ARR1-823817749

1-13-14-2 FTW-01-02-039-2-020

Transfer#: PT-412-2010-1876 **Box:5 CC:R6**

Asset#: AAC1-327274924 **Whole Container:** N

C/F: LAD008434185 VOL 2 SBA SHIPYARDS $00104433 **Created:** 1/10/2014

WLAMERS General Reference Temporary Loan of Records

Standard Other (contact FRC to arrange) BILL OUR UPS ACCOUNT

To: PATRICIA VINCENT
EPA / DALLAS , 1445 ROSS AVE., SUITE 1200
DALLAS, TX, 75202
P : (214) 665-6532 F :

$00104433

Rec#104433 /HZ/RC/GT/

47BB. LAD008434185 0002

SBA SHIPYARDS INC
JENNINGS LA 70546

701783

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MAR 09 1998

Mr. Robert D. Holmes
Area Director
U.S. Department of Labor
Occupational Safety and
Health Administration
2156 Wooddale Blvd. Suite 200
Baton Rouge, LA 70806

Re: SBA Shipyards, Jennings, Louisiana

Dear Mr. Holmes:

The United States Environmental Protection Agency (EPA) conducted an inspection at the SBA Shipyards facility on February 4, 1998, following a fire that occurred at the site on January 31, 1998.

It was reported that the cause of the fire, which occurred at an open oil pit, was sparks from an acetylene cutting torch used by a worker in the disassembling of a barge that is situated near the oil pit. During the EPA inspection, it was noted that workers on site were using cutting torches to clean residue from the scrap metal from the disassembled barge. Besides the environmental concerns, EPA is also concerned that these workers do not have the proper health and safety equipment available for continuing this type of work.

The Louisiana Department of Environmental Quality referred this site to you on October 12, 1994. EPA is concerned that safety violations may still exist at this site.

If you have any questions concerning this matter, please contact me at (214) 665-2210.

Sincerely yours,

Original Signed By:
Samuel Coleman
Samuel Coleman, P.E.
Director
Compliance Assurance and
Enforcement Division

Enclosure
6EN-HX:FAGAN-NANCYL:x8385:3/4/98:f:nlfagan\letter\sba-osr.wpd/LAD008434185

6EN-HX	6EN-H	6EN-H	6EN	~~6en~~
Gilmore	Morgan	Crouther	Wr.Ed.	~~Archuletta~~
3/5/98	3-8-98	For Efferra 3/6/98		

008 434 185
LAD~~008132268~~

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HAZARDOUS WASTE ENFORCEMENT BRANCH
1445 Ross Avenue
Dallas, Texas 75202

May 29, 1998

Certified Mail - Return Receipt Requested **Z 698 452 298**

Mr. Louis Smaihall, President
SBA Shipyards, Inc.
P.O. Box 1386
Jennings, La 70546

Dear Mr. Smaihall:

The purpose of this letter is to inform you of the EPA project manager change for the proposed RCRA Consent Administrative Order for SBA Shipyards, Inc., Jennings, Louisiana. It is my hope that continued progress will be made toward reaching corrective action goals with the incorporation of Mr. Gene Keepper (6EN-HX) as the new project manager. You may contact Gene at (214)665-2280.

Should you have any questions or comments, please do not hesitate to contact me at (214)665-8385.

Sincerely yours,

Nancy L. Fagan
Environmental Engineer
Arkansas/Louisiana Section (6PD-A)
Multimedia Planning and Permitting
Division

cc: Dr. James Brent, LDEQ
Mr. Donnie Hackler, LDEQ
Mr. Gerald L. Walter, Jr., Schwab & Walter
Mr. Dennis Reece, Woodward Clyde Consultants
Mr. Michael Pisani, Michael Pisani and Associates, Inc.
Mr. Michael Chernekoff, Customer Group representative

6PD-A:NFAGAN:nlf:X8385:5/29/98:
F:\USER\NFAGAN\FORMOSA\LETTER\proj-cng.wpd

6EN-HX
GILMORE

LAD008843485

Z 698 452 298

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, March 1993

Inchcape Testing Services
Environmental Laboratories

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: MR LUIS VEGA
CLIENT ID: 2291
GROUP NO : 9403017

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94

SAMPLE IDENTIFICATION CROSS REFERENCE

Inchcape Testing Service Identification	Client Identification	Matrix	Collection Date	Collection Time
9408260021	SBA-MW03	WATER	08/25/94	1335
9408260022	SBA-MW03MS	WATER	08/25/94	1335
9408260023	SBA-MW03MSD	WATER	08/25/94	1335
9408260024	SBA-MW02A	WATER	08/25/94	1355
9408260025	SBA-MW02B	WATER	08/25/94	1415
9408260026	SBA-MW01	WATER	08/25/94	1440
9408260027	SBA-ER02	WATER	08/25/94	1525
9408260028	SBA-FB02	WATER	08/25/94	1530
9408260029	SBA-TB02	WATER	08/25/94	1550

ppe

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

CASE NARRATIVE

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403017
Date: 09/27/94 Page: 1 of 2

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: All surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): All MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): Thallium was outside of Control Limits; however, a post digestion spike was performed and all S/D recoveries were then within quality control criteria.

All other S/D recoveries were within quality control criteria.

ppe

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

CASE NARRATIVE
(continued)

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403017
Date: 09/27/94 Page: 2 of 2

INORGANIC QUALITY CONTROL CRITERIA:

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

West-Paine Laboratories is pleased to have had the opportunity of providing this analytical characterization and is eager to assist you with any future requirements.

Inchcape Testing Services/Environmental Laboratories

Charles P. Byrne, General Manager

10/3/94
Date

ppe

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

GROUP NO. : 9403017
REPORT DATE: 09/27/94

METHODS & REFERENCES

A. Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983

Parameter	Method
Antimony	200.7
Arsenic	206.2
Beryllium	200.7
Cadmium	200.7
Chromium	200.7
Copper	200.7
Lead	200.7
Mercury	245.1
Silver	272.1
Nickel	200.7
Selenium	270.2
Thallium	279.2
Zinc	200.7

B. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Acid(Phenol)Fraction	8270
Base-Neutral Fraction	8270
Volatile Organic Fraction	8240
Flashpoint	1010
pH	4500-H&B
Reactivity Cyanide	7.3.3.2
Reactivity Sulfide	7.3.4.2

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

Sample receipt at Inchcape Testing Services is documented for your designated sample(s). Chain-of-custody documentation, if provided, is included in this report. Sample analysis was performed in accordance with Environmental Protection Agency protocol or other approved methods.

This report shall not be reproduced except in full, without the written permission of Inchcape Testing Services. The results herein relate only to the sample(s) tested. Documented results are shown on the following page(s).

Charles P. Byrne
General Manager
Vice President
Inchcape Testing Services

0000006

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260021
CLIENT ID : SBA-MW03
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 01:03 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000007

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260021
CLIENT ID : SBA-MW03
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb **ANALYSIS DATE:** 09/02/94 **METHOD:** 8270
ANALYSIS TIME: 01:03 **PREP REQ** : Y **PREP DATE** : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000008

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1365.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 01:03 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-21/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 16
Dil Factor: 1.000 Target Version: Target 3.00
tegrator: HP RTE Compound Sublist: all.sub
mple Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2354	0.416	0.416(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.518	(0.772)	264067	23.215	23.215
$	4 Phenol-d6	99.00	6.832	(0.956)	242710	22.775	22.775
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	246336	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.861	(1.100)	54391	6.560	6.560(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.889)	384175	33.932	33.932
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	8.597	(1.203)	2530	0.517	0.517(aQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	850928	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.182	(1.038)	57554	5.062	5.062(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.893)	558312	30.235	30.235
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	453084	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.142)	82205	31.728	31.728
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.175	(1.000)	635481	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.746	(1.104)	46423	1.567	1.567(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.011	(0.889)	479780	32.252	32.252
	69 Butylbenzylphthalate	149.00	20.275	(0.948)	10560	0.810	0.810(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.389	(1.000)	452255	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.016)	64628	3.654	3.654(a)
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	10751	0.365	0.365(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	349167	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

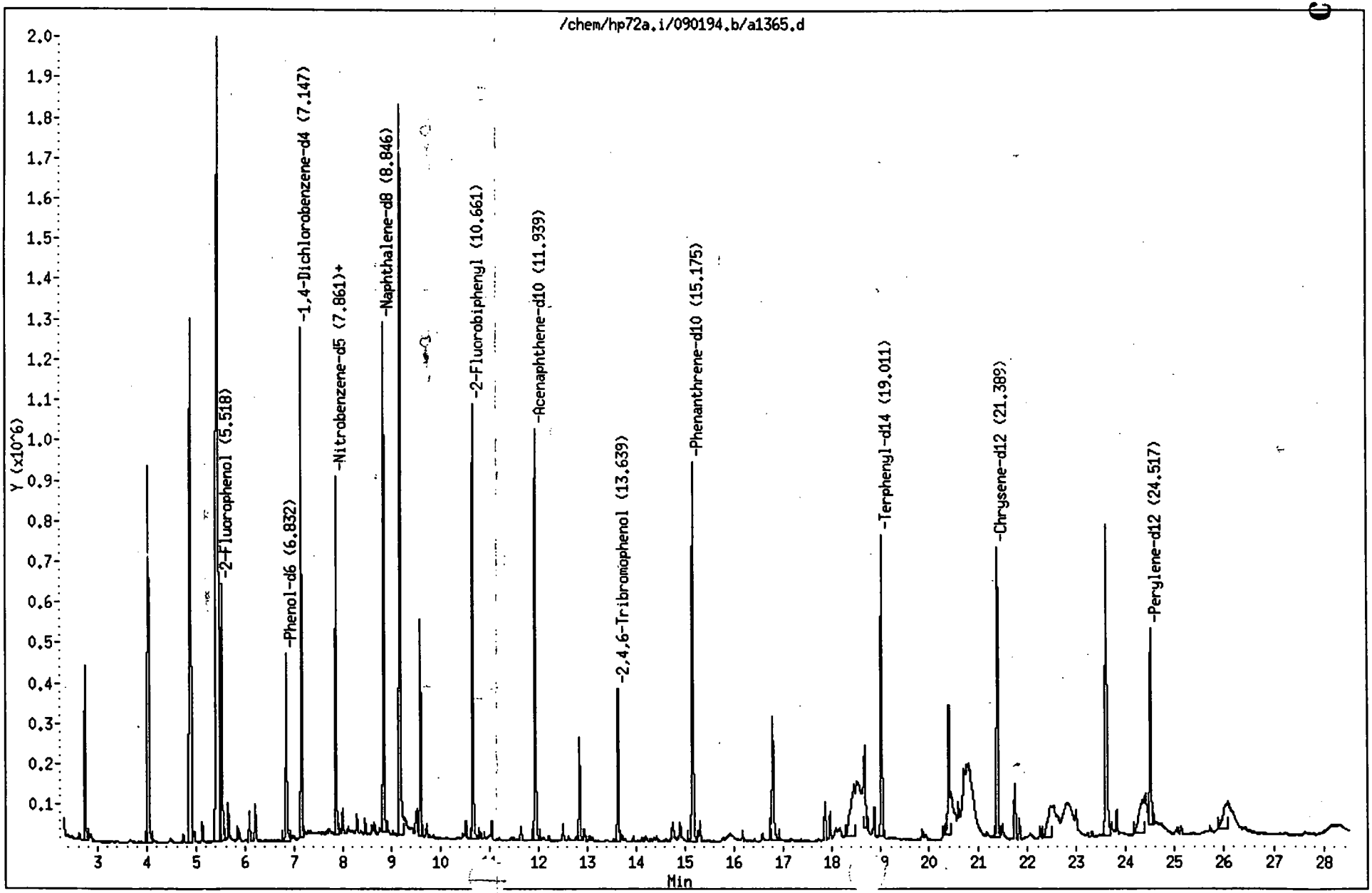
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1365.d
Date : 02-SEP-94 01:03
Instrument : hp72a.i
Sample ID :-
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

000012



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260024
CLIENT ID : SBA-MW02A
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 01:40 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260024
CLIENT ID : SBA-MW02A
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 01:40 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	<	DL	1	10
Hexachlorobutadiene	<	DL	1	10
Hexachlorocyclopentadiene	<	DL	1	10
Hexachloroethane	<	DL	1	10
Indeno(1,2,3-cd)pyrene	<	DL	1	10
Isophorone	<	DL	1	10
Naphthalene	<	DL	1	10
Nitrobenzene	<	DL	1	10
N-Nitrosodimethylamine	<	DL	1	10
N-Nitrosodi-n-propylamine	<	DL	1	10
N-Nitrosodiphenylamine **	<	DL	1	10
Phenanthrene	<	DL	1	10
Pyrene	<	DL	1	10
1,2,4-Trichlorobenzene	<	DL	1	10
2-Chlorophenol	<	DL	1	10
2,4-Dichlorophenol	<	DL	1	10
2,4-Dimethylphenol	<	DL	1	10
4,6-Dinitro-o-Cresol	<	DL	1	50
2,4-Dinitrophenol	<	DL	1	50
2-Nitrophenol	<	DL	1	10
4-Nitrophenol	<	DL	1	50
p-Chloro-m-cresol	<	DL	1	10
Pentachlorophenol	<	DL	1	50
Phenol	<	DL	1	10
2,4,6-Trichlorophenol	<	DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1366.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 01:40 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-24/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 17
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	2697	0.546	0.546(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.524	(0.773)	380466	38.332	38.332
$	4 Phenol-d6	99.00	6.845	(0.958)	304495	32.745	32.745
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	) 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	214948	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.381	(1.033)	2314	0.399	0.399(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.381	(1.033)	2314	0.295	0.295(TaQ)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.381	(1.033)	2314	0.329	0.329(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	43806	6.055	6.055(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.889)	314556	34.400	34.400
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.845	(1.000)	687241	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	440121	29.992	29.992
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	360067	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.638	(1.142)	106921	51.929	51.929
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	503455	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.745	(1.104)	32292	1.376	1.376(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.002	(0.889)	315278	26.616	26.616
	69 Butylbenzylphthalate	149.00	20.274	(0.948)	6096	0.587	0.587(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.381	(1.000)	360128	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.017)	28794	2.044	2.044(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	282981	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

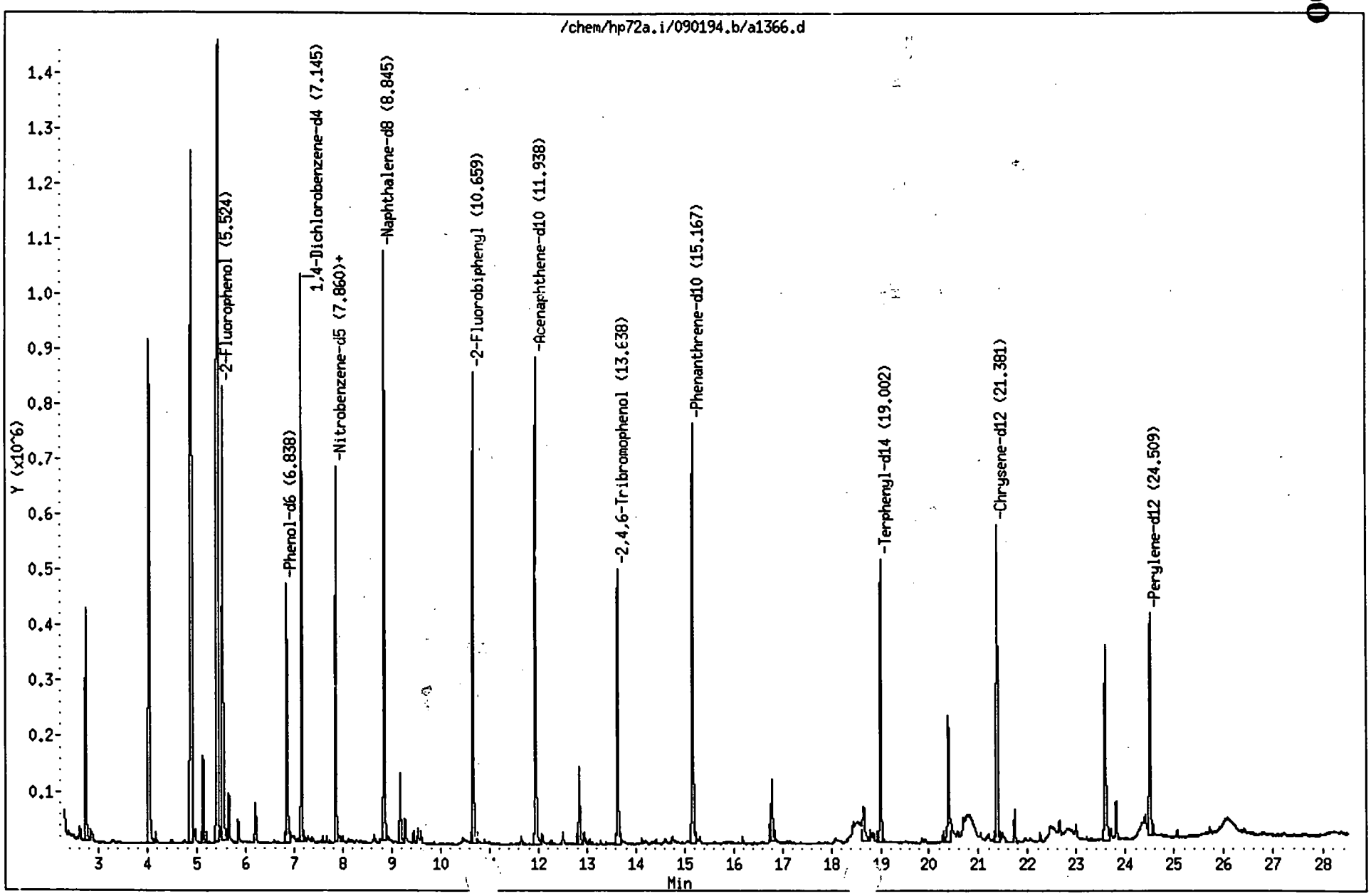
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1366.d
Date : 02-SEP-94 01:40
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000018



Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260025
CLIENT ID : SBA-MW02B
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:15

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 21:57 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000019

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260025
CLIENT ID : SBA-MW02B
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:15

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 21:57 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1360.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 21:57 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-25/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 11
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.619	(0.366)	1801	0.398	0.398(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.519	(0.772)	377137	41.519	41.519
$	4 Phenol-d6	99.00	6.833	(0.956)	318971	37.481	37.481
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	196714	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.376	(1.032)	1701	0.320	0.320(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.376	(1.032)	1701	0.237	0.237(TaQ)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.376	(1.032)	1701	0.264	0.264(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.854	(1.099)	43821	6.618	6.618(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.854	(0.888)	313579	35.127	35.127
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.840	(1.000)	670931	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
30 4-Chloroaniline	127.00	Compound Not Detected.				
31 Hexachlorobutadiene	225.00	Compound Not Detected.				
32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
33 2-Methylnaphthalene	142.00	Compound Not Detected.				
34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$ 37 2-Fluorobiphenyl	172.00	10.661	(0.893)	467804	32.742	32.742
38 2-Chloronaphthalene	162.00	Compound Not Detected.				
39 2-Nitroaniline	138.00	Compound Not Detected.				
40 Dimethylphthalate	163.00	Compound Not Detected.				
41 Acenaphthylene	152.00	Compound Not Detected.				
2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
43 3-Nitroaniline	138.00	Compound Not Detected.				
* 44 Acenaphthene-d10	164.00	11.940	(1.000)	350571	40.000	
45 Acenaphthene	152.00	Compound Not Detected.				
46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
47 4-Nitrophenol	109.00	Compound Not Detected.				
48 Dibenzofuran	168.00	Compound Not Detected.				
49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
50 Fluorene	166.00	Compound Not Detected.				
51 Diethylphthalate	149.00	Compound Not Detected.				
52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
53 4-Nitroaniline	138.00	Compound Not Detected.				
54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
56 Azobenzene	77.00	Compound Not Detected.				
$ 57 2,4,6-Tribromophenol	330.00	13.640	(1.142)	93809	46.794	46.794
58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
9 Hexachlorobenzene	284.00	Compound Not Detected.				
60 Pentachlorophenol	266.00	Compound Not Detected.				
* 61 Phenanthrene-d10	188.00	15.168	(1.000)	451762	40.000	
62 Phenanthrene	178.00	Compound Not Detected.				
63 Anthracene	178.00	Compound Not Detected.				
64 Di-n-butylphthalate	149.00	16.747	(1.104)	19618	0.931	0.931(a)
65 Fluoranthene	202.00	Compound Not Detected.				
66 Benzidine	184.00	Compound Not Detected.				
67 Pyrene	202.00	Compound Not Detected.				
$ 68 Terphenyl-d14	244.00	19.004	(0.889)	329173	33.030	33.030
69 Butylbenzylphthalate	149.00	20.275	(0.949)	4649	0.532	0.532(a)
70 Benzo(a)anthracene	228.00	Compound Not Detected.				
* 71 Chrysene-d12	240.00	21.375	(1.000)	302981	40.000	
72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
73 Chrysene	228.00	Compound Not Detected.				
74 bis(2-Ethylhexyl)phthalate	149.00	21.740	(1.017)	19937	1.683	1.683(a)
75 Di-n-octylphthalate	149.00	23.218	(0.948)	4335	0.223	0.223(a)
76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.504	(1.000)	230375	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

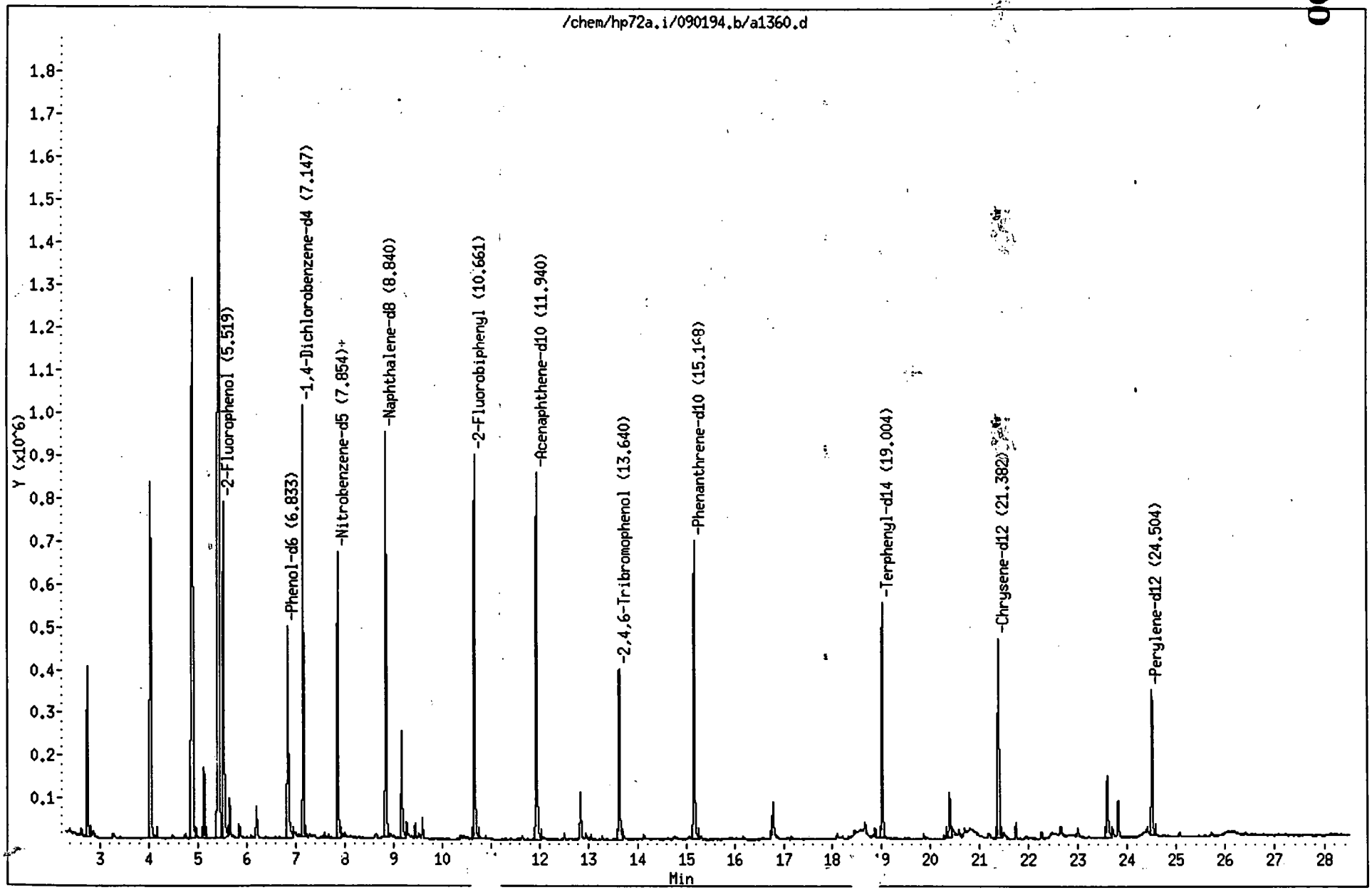
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1360.d
Date : 01-SEP-94 21:57
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (ul) : 1.0

Column diameter : 0.25

0000024



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260026
CLIENT ID : SBA-MW01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:40

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 22:34 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000025

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260026
CLIENT ID : SBA-MW01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:40

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 22:34 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	<	DL	1	10
Hexachlorobutadiene	<	DL	1	10
Hexachlorocyclopentadiene	<	DL	1	10
Hexachloroethane	<	DL	1	10
Indeno(1,2,3-cd)pyrene	<	DL	1	10
Isophorone	<	DL	1	10
Naphthalene	<	DL	1	10
Nitrobenzene	<	DL	1	10
N-Nitrosodimethylamine	<	DL	1	10
N-Nitrosodi-n-propylamine	<	DL	1	10
N-Nitrosodiphenylamine **	<	DL	1	10
Phenanthrene	<	DL	1	10
Pyrene	<	DL	1	10
1,2,4-Trichlorobenzene	<	DL	1	10
2-Chlorophenol	<	DL	1	10
2,4-Dichlorophenol	<	DL	1	10
2,4-Dimethylphenol	<	DL	1	10
4,6-Dinitro-o-Cresol	<	DL	1	50
2,4-Dinitrophenol	<	DL	1	50
2-Nitrophenol	<	DL	1	10
4-Nitrophenol	<	DL	1	50
p-Chloro-m-cresol	<	DL	1	10
Pentachlorophenol	<	DL	1	50
Phenol	<	DL	1	10
2,4,6-Trichlorophenol	<	DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000026

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1361.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 22:34 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-26/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 12
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2250	0.422	0.422(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.518	(0.772)	449499	41.980	41.980
$	4 Phenol-d6	99.00	6.832	(0.956)	373968	37.279	37.279
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	231881	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.854	(1.099)	46302	5.932	5.932(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.889)	349712	34.618	34.618
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	759231	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.893)	510340	30.052	30.052
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	416674	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.142)	126645	53.152	53.152
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	7 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.168	(1.000)	592225	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.746	(1.104)	14333	0.519	0.519(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.010	(0.889)	450748	31.958	31.958
	69 Butylbenzylphthalate	149.00	20.275	(0.948)	4804	0.388	0.388(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.382	(1.000)	428801	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.017)	17368	1.036	1.036(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.510	(1.000)	332861	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

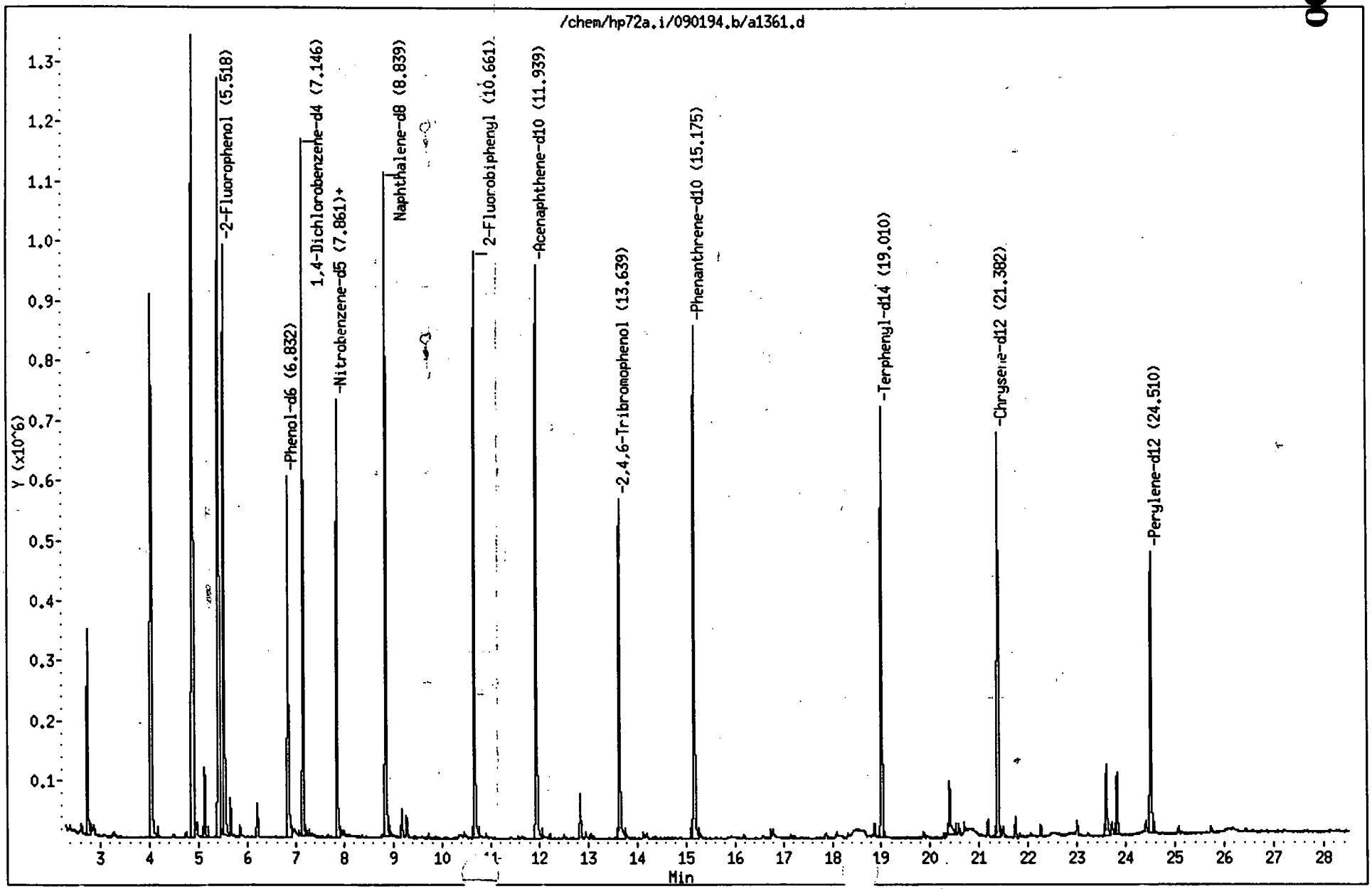
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1361.d
Date : 01-SEP-94 22:34
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000030



Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260027
CLIENT ID : SBA-ER02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 15:25

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 00:26 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260027
CLIENT ID : SBA-ER02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 15:25

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 00:26 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1364.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 00:26 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-27/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 15
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.594	(0.363)	1803	0.336	0.336(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.516	(0.771)	443306	41.131	41.131
$ 4	Phenol-d6	99.00	6.837	(0.956)	388262	38.451	38.451
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
0	1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	233410	40.000	
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	7.859	(1.099)	49521	6.303	6.303(aQ)
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	7.859	(0.889)	355913	34.776	34.776
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.844	(1.000)	769191	40.000	
29	Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	532641	30.919	30.919
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	422692	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.644	(1.142)	141481	58.533	58.533
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	591[illegible]	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	17721	0.642	0.642(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.008	(0.889)	487552	34.578	34.578
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.387	(1.000)	428675	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.016)	17263	1.030	1.030(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	332673	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

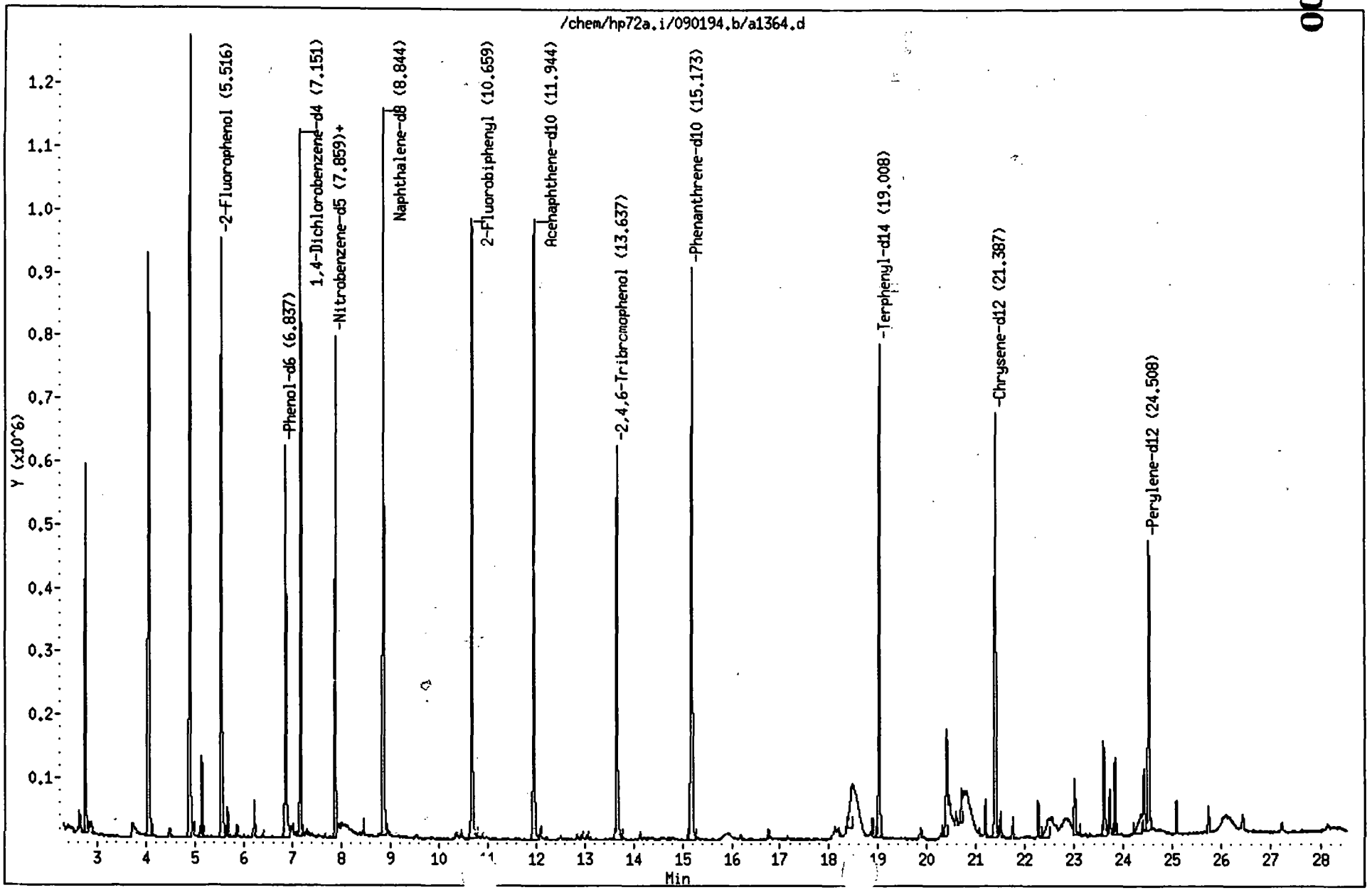
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1364.d
Date : 02-SEP-94 00:26
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000036



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SURROGATE DETAIL RESULTS

Sample#: 9408260021 Client ID: SBA-MW03
Matrix : WATER

Phenol-d6	23	10 - 94	8270
2-Fluorophenol	23	21 - 100	8270
Nitrobenzene-d5	58	35 - 114	8270
2-Fluorobiphenyl	60	43 - 116	8270
2,4,6-Tribromophenol	32	10 - 123	8270
Terphenyl-d14	66	33 - 141	8270

Sample#: 9408260022 Client ID: SBA-MW03 MS
Matrix : WATER

Phenol-d6	23	10 - 94	8270
2-Fluorophenol	28	21 - 100	8270
Nitrobenzene-d5	64	35 - 114	8270
2-Fluorobiphenyl	62	43 - 116	8270
2,4,6-Tribromophenol	41	10 - 123	8270
Terphenyl-d14	60	33 - 141	8270

Sample#: 9408260023 Client ID: SBA-MW03(MSD)
Matrix : WATER

Phenol-d6	28	10 - 94	8270
2-Fluorophenol	42	21 - 100	8270
Nitrobenzene-d5	64	35 - 114	8270
2-Fluorobiphenyl	63	43 - 116	8270
2,4,6-Tribromophenol	63	10 - 123	8270
Terphenyl-d14	63	33 - 141	8270

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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SURROGATE DETAIL RESULTS

Sample#: 9408260024 Client ID: SBA-MW02A
Matrix : WATER

Phenol-d6	33	10 - 94	8270
2-Fluorophenol	38	21 - 100	8270
Nitrobenzene-d5	60	35 - 114	8270
2-Fluorobiphenyl	60	43 - 116	8270
2,4,6-Tribromophenol	52	10 - 123	8270
Terphenyl-d14	83	33 - 141	8270

Sample#: 9408260025 Client ID: SBA-MW02B
Matrix : WATER

Phenol-d6	37	10 - 94	8270
2-Fluorophenol	42	21 - 100	8270
Nitrobenzene-d5	70	35 - 114	8270
2-Fluorobiphenyl	69	43 - 116	8270
2,4,6-Tribromophenol	47	10 - 123	8270
Terphenyl-d14	82	33 - 141	8270

Sample#: 9408260026 Client ID: SBA-MW01
Matrix : WATER

Phenol-d6	37	10 - 94	8270
2-Fluorophenol	42	21 - 100	8270
Nitrobenzene-d5	69	35 - 114	8270
2-Fluorobiphenyl	68	43 - 116	8270
2,4,6-Tribromophenol	53	10 - 123	8270
Terphenyl-d14	83	33 - 141	8270

Report#: 9403017

0000038

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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SURROGATE DETAIL RESULTS

Sample#: 9408260027 Client ID: SBA-ER02
Matrix : WATER

Phenol-d6	38	10 - 94	8270
2-Fluorophenol	43	21 - 100	8270
Nitrobenzene-d5	70	35 - 114	8270
2-Fluorobiphenyl	63	43 - 116	8270
2,4,6-Tribromophenol	59	10 - 123	8270
Terphenyl-d14	69	33 - 141	8270

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Calibration File Names:
Level 1: /chem/hp72a.i/083194#2.b/a1332.d
Level 2: /chem/hp72a.i/083194#2.b/a1331.d
Level 3: /chem/hp72a.i/083194#2.b/a1333.d
Level 4: /chem/hp72a.i/083194#2.b/a1334.d
Level 5: /chem/hp72a.i/083194#2.b/a1335.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
1 n-Nitrosodimethylamine	0.78064	0.90546	0.95591	0.93082	0.86559	0.88769	7.718
2 Pyridine	2.16318	2.48146	2.47691	2.43688	2.24496	2.36068	6.222
5 Aniline	2.43759	2.43410	2.51875	2.39804	2.21466	2.40063	4.705
6 Phenol	2.14003	2.22935	2.04650	2.04702	1.66652	2.02589	10.599
7 bis(-2-Chloroethyl)Ether	1.72267	1.82661	1.61368	1.53812	1.44508	1.62923	9.214
8 2-Chlorophenol	1.57557	1.65562	1.60217	1.57322	1.40905	1.56313	5.905
9 1,3-Dichlorobenzene	1.67345	1.80020	1.57777	1.58668	1.30367	1.58836	11.492
11 1,4-Dichlorobenzene	1.63325	1.77617	1.49992	1.54058	1.22859	1.53570	13.143
12 Benzyl alcohol	0.94300	1.00935	1.11504	1.05382	0.97765	1.01977	6.580
13 1,2-Dichlorobenzene	1.60247	1.70520	1.48458	1.48321	1.19028	1.49315	12.918
14 2-Methylphenol	1.39707	1.47056	1.53119	1.45312	1.27584	1.42556	6.762
15 Bis(2-chloroisopropyl)ether	2.00625	2.03234	2.14888	2.09548	1.87299	2.03119	5.142
16 3- & 4-Methylphenol	1.37194	1.39238	1.27564	1.20030	1.05416	1.25888	10.966
17 N-Nitroso-di-n-propylamine	1.28193	1.32347	1.39998	1.28681	1.23278	1.30499	4.761
18 Hexachloroethane	0.64144	0.67361	0.54256	0.53521	0.44369	0.56730	16.185
20 Nitrobenzene	0.47232	0.52016	0.47401	0.46568	0.43893	0.47422	6.177
21 Isophorone	0.92301	1.02419	1.03803	0.97139	0.93684	0.97869	5.234
22 2-Nitrophenol	0.27551	0.30866	0.30070	0.30253	0.29054	0.29559	4.391
23 2,4-Dimethyphenol	0.32572	0.37035	0.35162	0.33882	0.30251	0.33780	7.610
24 bis(-2-Chloroethoxy)methane	0.57236	0.64028	0.60293	0.56786	0.53836	0.58436	6.630
25 Benzoic Acid	0.58460	0.69957	0.91432	0.78787	0.96809	0.79089	19.744
26 2,4-Dichlorophenol	0.29806	0.33732	0.32080	0.30273	0.26800	0.30538	8.533
27 1,2,4-Trichlorobenzene	0.33781	0.37628	0.33715	0.33247	0.28122	0.33299	10.178
29 Naphthalene	1.14388	1.27105	1.08106	1.08281	0.90087	1.09593	12.192
30 4-Chloroaniline	0.49569	0.54753	0.50125	0.50499	0.42497	0.49489	8.925
31 Hexachlorobutadiene	0.18054	0.20226	0.18711	0.18238	0.16092	0.18264	8.127
32 4-Chloro-3-Methylphenol	0.34018	0.39209	0.38442	0.36941	0.33905	0.36503	6.738

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
33 2-Methylnaphthalene	0.67157	0.76438	0.69131	0.66865	0.58673	0.67653	9.374
34 Hexachlorocyclopentadiene	0.31455	0.33323	0.38852	0.37700	0.37674	0.35801	8.992
35 2,4,6-Trichlorophenol	0.37829	0.39282	0.41275	0.40193	0.41141	0.39944	3.579
36 2,4,5-Trichlorphenol	0.43804	0.47308	0.49306	0.48340	0.43765	0.46505	5.551
38 2-Chloronaphthalene	1.37848	1.38685	1.33682	1.29792	1.23225	1.32646	4.790
39 2-Nitroaniline	0.55978	0.59154	0.64509	0.62388	0.63961	0.61198	5.860
40 Dimethylphthalate	1.59604	1.64025	1.68912	1.60320	1.62967	1.63166	2.264
41 Acenaphthylene	2.21936	2.23238	2.15017	2.11405	1.98131	2.13946	4.720
42 2,6-Dinitrotoluene	0.37035	0.38742	0.39314	0.38367	0.37142	0.38120	2.626
43 3-Nitroaniline	0.41801	0.45942	0.47894	0.48047	0.46993	0.46136	5.558
45 Acenaphthene	0.65690	0.66282	0.61952	0.60764	0.57245	0.62387	5.962
46 2,4-Dinitrophenol	+++++	0.11530	0.22399	0.21591	0.27994	0.20880	32.819
47 4-Nitrophenol	0.13112	0.16724	0.19734	0.19391	0.22917	0.18376	19.984
48 Dibenzofuran	1.92770	1.97841	1.87827	1.84140	1.71689	1.86854	5.311
2,4-Dinitrotoluene	0.47697	0.51546	0.53516	0.52559	0.52415	0.51547	4.390
50 Fluorene	1.45263	1.49802	1.40904	1.37712	1.31365	1.41009	5.006
51 Diethylphthalate	1.63132	1.68720	1.62338	1.55390	1.59493	1.61815	3.033
52 4-Chlorophenyl-phenylether	0.71034	0.73154	0.70650	0.68805	0.64726	0.69674	4.547
53 4-Nitroaniline	0.43253	0.49259	0.50391	0.47519	0.37324	0.45549	11.721
54 4,6-Dinitro-o-cresol	0.12561	0.15872	0.21069	0.20693	0.21707	0.18380	21.728
55 N-nitrosodiphenylamine (1)	0.66342	0.69969	0.66750	0.65481	0.60795	0.65867	5.018
56 Azobenzene	3.36131	3.59404	3.48483	3.28107	3.27241	3.39873	4.076
58 4-Bromophenyl-phenylether	0.23259	0.25050	0.24008	0.23845	0.21860	0.23604	4.955
59 Hexachlorobenzene	0.26766	0.28144	0.26731	0.27524	0.24211	0.26675	5.611
60 Pentachlorophenol	+++++	0.10303	0.14975	0.15810	0.16273	0.14340	19.136
62 Phenanthrene	1.27692	1.38338	1.25424	1.28116	1.14115	1.26737	6.815
63 Anthracene	1.28031	1.37570	1.22671	1.27899	1.12259	1.25686	7.346
64 Di-n-butylphthalate	1.79751	1.98002	1.70655	1.75264	1.56793	1.76093	8.500
65 Fluoranthene	1.21517	1.40331	1.20513	1.27791	1.10483	1.24127	8.844
66 Benzidine	0.98189	0.66034	0.76489	0.74890	0.63832	0.75887	17.937
67 Pyrene	1.77983	1.92773	2.04251	1.83166	1.90640	1.89762	5.283
69 Butylbenzylphthalate	0.99548	1.09885	1.15363	1.05965	1.03607	1.06874	5.659
70 Benzo(a)anthracene	1.36137	1.53021	1.59014	1.53221	1.48330	1.49945	5.734
72 3,3'-Dichlorobenzidine	0.49324	0.56495	0.56115	0.57842	0.49070	0.53769	7.856

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
73 Chrysene	1.23671	1.38926	1.36062	1.30874	1.16978	1.29302	6.964
74 bis(2-Ethylhexyl)phthalate	1.39520	1.53737	1.54078	1.43921	1.33334	1.44918	6.230
75 Di-n-octylphthalate	2.33024	3.24627	2.99763	2.63579	1.87830	2.61765	20.653
76 Benzo(b)fluoranthene	1.14723	1.66260	1.64583	1.60135	1.25675	1.46275	16.558
77 Benzo(k)fluoranthene	1.18061	1.63730	1.50818	1.45608	1.04313	1.36506	17.965
78 Benzo(a)pyrene	1.05730	1.51330	1.40733	1.40755	0.96162	1.26942	19.188
80 Indeno(1,2,3-cd)pyrene	0.94491	1.41371	1.34083	1.34724	0.98335	1.20601	18.495
81 Dibenzo(a,h)anthracene	0.91896	1.36016	1.28467	1.27403	0.84430	1.13642	20.805
82 Benzo(g,h,i)perylene	0.98610	1.45498	1.33139	1.34671	0.91495	1.20683	19.895
$ 3 2-Fluorophenol	1.70028	1.85999	1.85070	1.79266	1.61228	1.76318	5.991
$ 4 Phenol-d6	1.71881	1.82331	1.59093	1.60368	1.39181	1.62571	9.924
$ 19 Nitrobenzene-d5	0.45882	0.51012	0.51775	0.50000	0.44487	0.48631	6.676
$ 37 2-Fluorobiphenyl	1.62843	1.63178	1.52441	1.48388	1.34152	1.52200	7.871
$ 7 2,4,6-Tribromophenol	0.19575	0.21994	0.23025	0.21905	0.23045	0.21909	6.451
$ 8 Terphenyl-d14	1.15515	1.22708	1.28646	1.16267	1.18535	1.20334	4.508

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1332.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 04:27 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD020
Misc Info : SSTD020
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.582	(0.361)	85928	17.588	17.588
	2 Pyridine	79.00	2.625	(0.367)	238109	18.327	18.327(M)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	187156	19.287	19.287
$	4 Phenol-d6	99.00	6.846	(0.957)	189195	21.145	21.145
	5 Aniline	93.00	6.754	(0.944)	268314	20.308	20.308
	6 Phenol	94.00	6.861	(0.959)	235561	21.127	21.127
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	189620	21.147	21.147
	8 2-Chlorophenol	128.00	6.932	(0.969)	173429	20.159	20.159
	9 1,3-Dichlorobenzene	146.00	7.075	(0.989)	184203	21.072	21.072
*	10 1,4-Dichlorobenzene-d4	152.00	7.154	(1.000)	220147	40.000	
	11 1,4-Dichlorobenzene	146.00	7.175	(1.003)	179777	21.270	21.270
	12 Benzyl alcohol	108.00	7.382	(1.032)	103799	18.494	18.494
	13 1,2-Dichlorobenzene	146.00	7.361	(1.029)	176390	21.464	21.464
	14 2-Methylphenol	108.00	7.575	(1.059)	153780	19.600	19.600
	15 Bis(2-chloroisopropyl)ether	45.00	7.525	(1.052)	220835	19.754	19.754
	16 3- & 4-Methylphenol	108.00	7.782	(1.088)	302028	45.009	45.009
	17 N-Nitroso-di-n-propylamine	70.00	7.689	(1.075)	141106	19.646	19.646
	18 Hexachloroethane	117.00	7.782	(1.088)	70606	22.614	22.614
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	182348	18.869	18.869
	20 Nitrobenzene	77.00	7.889	(0.891)	187713	19.920	19.920
	21 Isophorone	82.00	8.218	(0.928)	366830	18.862	18.862
	22 2-Nitrophenol	139.00	8.318	(0.939)	109495	18.641	18.641
	23 2,4-Dimethyphenol	122.00	8.454	(0.955)	129450	19.285	19.285
	24 bis(-2-Chloroethoxy)methane	93.00	8.532	(0.964)	227472	19.589	19.589
	25 Benzoic Acid	122.00	8.675	(1.213)	64349	15.779	15.779
	26 2,4-Dichlorophenol	162.00	8.711	(0.984)	118457	19.520	19.520
	27 1,2,4-Trichlorobenzene	180.00	8.775	(0.991)	134254	20.290	20.290
*	28 Naphthalene-d8	136.00	8.854	(1.000)	794858	40.000	
	29 Naphthalene	128.00	8.882	(1.003)	454613	20.875	20.875

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	197003	20.033	20.033
	31 Hexachlorobutadiene	225.00	9.082	(1.026)	71751	19.770	19.770
	32 4-Chloro-3-Methylphenol	107.00	9.853	(1.113)	135199	18.639	18.639
	33 2-Methylnaphthalene	142.00	9.996	(1.129)	266901	19.853	19.853
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	58262	17.572	17.572
	35 2,4,6-Trichlorophenol	196.00	10.539	(0.882)	70070	18.941	18.941
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.891)	81137	18.839	18.839
$	37 2-Fluorobiphenyl	172.00	10.675	(0.893)	301627	21.398	21.398
	38 2-Chloronaphthalene	162.00	10.868	(0.909)	255330	20.784	20.784
	39 2-Nitroaniline	138.00	11.111	(0.929)	103686	18.294	18.294
	40 Dimethylphthalate	163.00	11.489	(0.961)	295628	19.563	19.563
	41 Acenaphthylene	152.00	11.661	(0.976)	411084	20.747	20.747
	2,6-Dinitrotoluene	165.00	11.596	(0.970)	68598	19.431	19.431
	43 3-Nitroaniline	138.00	11.939	(0.999)	77427	18.121	18.121
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	370452	40.000	
	45 Acenaphthene	152.00	12.018	(1.005)	121675	21.059	21.059
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	12254	7.340	7.340(aM)
	47 4-Nitrophenol	109.00	12.496	(1.045)	24286	14.271	14.271(aM)
	48 Dibenzofuran	168.00	12.382	(1.036)	357060	20.633	20.633
	49 2,4-Dinitrotoluene	165.00	12.411	(1.038)	88347	18.506	18.506
	50 Fluorene	166.00	13.103	(1.096)	269064	20.603	20.603
	51 Diethylphthalate	149.00	12.982	(1.086)	302163	20.163	20.163
	52 4-Chlorophenyl-phenylether	204.00	13.161	(1.101)	131573	20.390	20.390
	53 4-Nitroaniline	138.00	13.232	(1.107)	80115	18.992	18.992
	54 4,6-Dinitro-o-cresol	198.00	13.282	(0.875)	34852	13.667	13.667
	55 N-nitrosodiphenylamine (1)	169.00	13.439	(0.885)	184080	20.144	20.144
	56 Azobenzene	77.00	13.503	(1.888)	369991	19.780	19.780
$	57 2,4,6-Tribromophenol	330.00	13.646	(1.142)	36258	17.869	17.869
	58 4-Bromophenyl-phenylether	248.00	14.232	(0.937)	64536	19.707	19.707
	Hexachlorobenzene	284.00	14.303	(0.942)	74267	20.068	20.068
	60 Pentachlorophenol	266.00	14.825	(0.976)	11718	6.857	6.857(aM)
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	554945	40.000	
	62 Phenanthrene	178.00	15.232	(1.003)	354309	20.151	20.151
	63 Anthracene	178.00	15.346	(1.011)	355251	20.373	20.373
	64 Di-n-butylphthalate	149.00	16.760	(1.104)	498759	20.415	20.415
	65 Fluoranthene	202.00	17.989	(1.185)	337175	19.579	19.579
	66 Benzidine	184.00	18.439	(2.578)	108080	25.878	25.878
	67 Pyrene	202.00	18.503	(0.865)	345201	18.758	18.758
$	68 Terphenyl-d14	244.00	19.010	(0.888)	224043	19.199	19.199
	69 Butylbenzylphthalate	149.00	20.296	(0.949)	193076	18.629	18.629
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	264041	18.158	18.158
*	71 Chrysene-d12	240.00	21.396	(1.000)	387904	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.425	(1.001)	95665	18.347	18.347
	73 Chrysene	228.00	21.453	(1.003)	239862	19.129	19.129
	74 bis(2-Ethylhexyl)phthalate	149.00	21.753	(1.017)	270601	19.255	19.255
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	457474	17.804	17.804
	76 Benzo(b)fluoranthene	252.00	23.753	(0.969)	225225	15.686	15.686
	77 Benzo(k)fluoranthene	252.00	23.810	(0.971)	231778	17.298	17.298
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	207569	16.658	16.658

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.524	(1.000)	392641	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	185506	15.670	15.670
81 Dibenzo(a,h)anthracene	278.00	26.632	(1.086)	180410	16.173	16.173
82 Benzo(g,h,i)perylene	276.00	27.103	(1.105)	193592	16.342	16.342

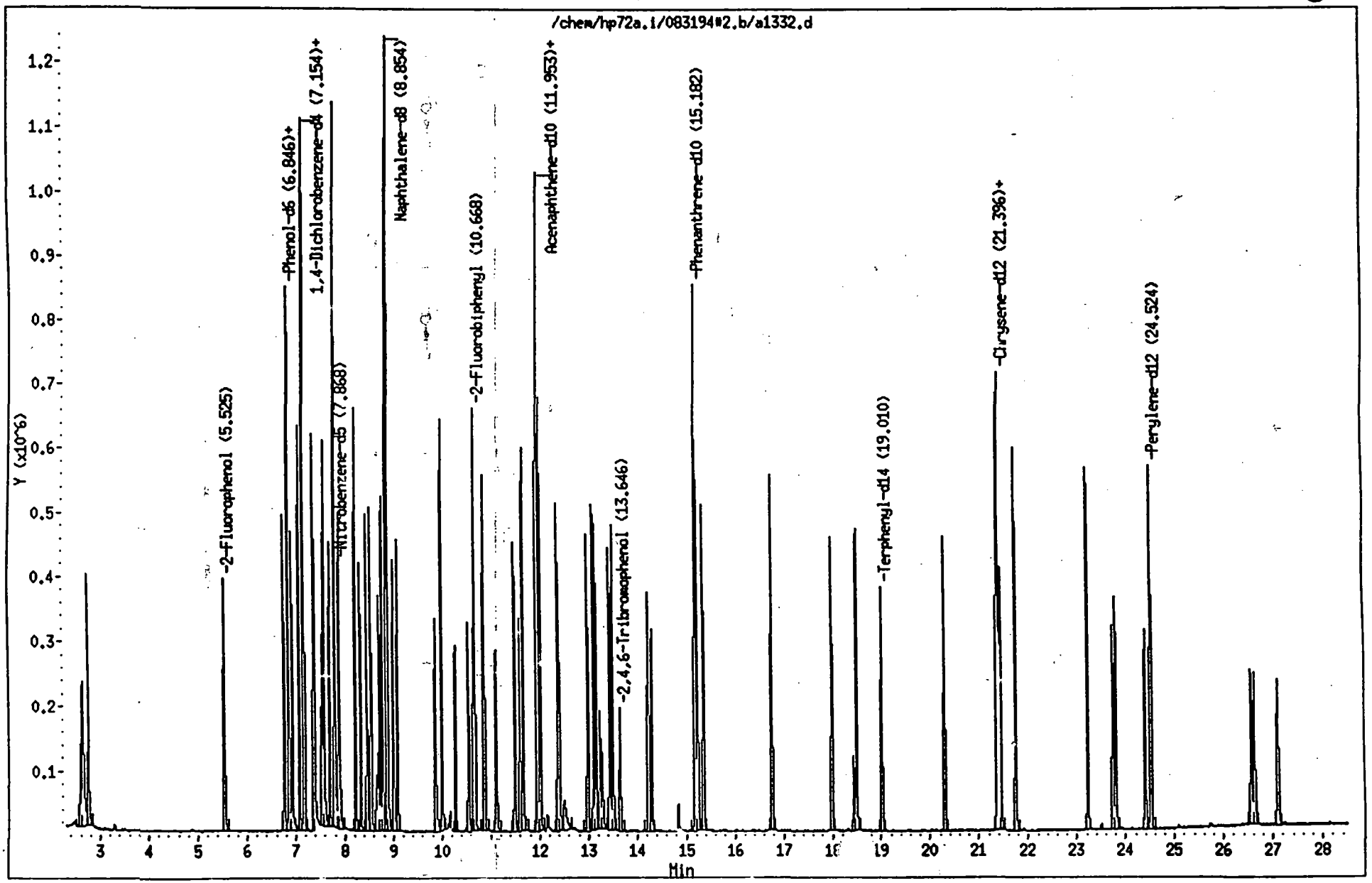
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem/hp72a.i/083194#2.b/a1332.d
Date : 01-SEP-94 04:27
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000046



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1331.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 03:50 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.553	(0.357)	116174	51.001	51.001
	2 Pyridine	79.00	2.581	(0.361)	318381	52.558	52.558(M)
$	3 2-Fluorophenol	112.00	5.517	(0.771)	238644	52.745	52.745
$	4 Phenol-d6	99.00	6.846	(0.957)	233937	56.077	56.077
	5 Aniline	93.00	6.760	(0.945)	312304	50.697	50.697
	6 Phenol	94.00	6.867	(0.960)	286034	55.022	55.022
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	234361	56.057	56.057
	8 2-Chlorophenol	128.00	6.931	(0.969)	212422	52.958	52.958
	9 1,3-Dichlorobenzene	146.00	7.074	(0.989)	230972	56.669	56.669
*	10 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	102643	40.000	
	11 1,4-Dichlorobenzene	146.00	7.174	(1.003)	227889	57.829	57.829
	12 Benzyl alcohol	108.00	7.388	(1.033)	129504	49.489	49.489
	13 1,2-Dichlorobenzene	146.00	7.360	(1.029)	218783	57.101	57.101
	14 2-Methylphenol	108.00	7.581	(1.060)	188678	51.578	51.578
	15 Bis(2-chloroisopropyl)ether	45.00	7.531	(1.053)	260757	50.028	50.028
	16 3- & 4-Methylphenol	108.00	7.788	(1.089)	357294	114.200	114.200
	17 N-Nitroso-di-n-propylamine	70.00	7.696	(1.076)	169806	50.708	50.708
	18 Hexachloroethane	117.00	7.788	(1.089)	86427	59.370	59.370
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	222310	52.448	52.448
	20 Nitrobenzene	77.00	7.896	(0.892)	226685	54.843	54.843
	21 Isophorone	82.00	8.224	(0.929)	446340	52.324	52.324
	22 2-Nitrophenol	139.00	8.324	(0.940)	134514	52.211	52.211
	23 2,4-Dimethyphenol	122.00	8.453	(0.955)	161399	54.818	54.818
	24 bis(-2-Chloroethoxy)methane	93.00	8.538	(0.964)	279032	54.785	54.785
	25 Benzoic Acid	122.00	8.696	(1.216)	89757	47.205	47.205
	26 2,4-Dichlorophenol	162.00	8.710	(0.984)	147004	55.229	55.229
	27 1,2,4-Trichlorobenzene	180.00	8.774	(0.991)	163982	56.501	56.501
*	28 Naphthalene-d8	136.00	8.853	(1.000)	348640	40.000	
	29 Naphthalene	128.00	8.888	(1.004)	553923	57.989	57.989

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	238615	55.319	55.319
	31 Hexachlorobutadiene	225.00	9.081	(1.026)	88147	55.372	55.372
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.114)	170872	53.706	53.706
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	333117	56.493	56.493
	34 Hexachlorocyclopentadiene	237.00	10.274	(0.860)	74461	46.540	46.540
	35 2,4,6-Trichlorophenol	196.00	10.546	(0.882)	87777	49.172	49.172
	36 2,4,5-Trichlorphenol	196.00	10.638	(0.890)	105711	50.864	50.864
$	37 2-Fluorobiphenyl	172.00	10.674	(0.893)	364625	53.606	53.606
	38 2-Chloronaphthalene	162.00	10.867	(0.909)	309894	52.276	52.276
	39 2-Nitroaniline	138.00	11.110	(0.929)	132182	48.330	48.330
	40 Dimethylphthalate	163.00	11.495	(0.962)	366519	50.263	50.263
	41 Acenaphthylene	152.00	11.667	(0.976)	498832	52.172	52.172
	2,6-Dinitrotoluene	165.00	11.595	(0.970)	86569	50.815	50.815
	43 3-Nitroaniline	138.00	11.945	(0.999)	102659	49.790	49.790
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	178762	40.000	
	45 Acenaphthene	152.00	12.017	(1.005)	148109	53.122	53.122
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	25763	27.611	27.611(M)
	47 4-Nitrophenol	109.00	12.503	(1.046)	37371	45.507	45.507(M)
	48 Dibenzofuran	168.00	12.381	(1.036)	442081	52.940	52.940
	49 2,4-Dinitrotoluene	165.00	12.417	(1.039)	115180	49.999	49.999
	50 Fluorene	166.00	13.110	(1.097)	334737	53.118	53.118
	51 Diethylphthalate	149.00	12.988	(1.087)	377010	52.134	52.134
	52 4-Chlorophenyl-phenylether	204.00	13.160	(1.101)	163465	52.498	52.498
	53 4-Nitroaniline	138.00	13.245	(1.108)	110071	54.073	54.073
	54 4,6-Dinitro-o-cresol	198.00	13.288	(0.875)	52714	43.178	43.178
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	232374	53.113	53.113
	56 Azobenzene	77.00	13.503	(1.888)	461129	52.873	52.873
$	57 2,4,6-Tribromophenol	330.00	13.653	(1.142)	49147	50.195	50.195
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	83193	53.062	53.062
	Hexachlorobenzene	284.00	14.310	(0.943)	93471	52.754	52.754
	60 Pentachlorophenol	266.00	14.824	(0.976)	34219	35.925	35.925
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	265689	40.000	
	62 Phenanthrene	178.00	15.238	(1.004)	459436	54.577	54.577
	63 Anthracene	178.00	15.352	(1.011)	456884	54.728	54.728
	64 Di-n-butylphthalate	149.00	16.767	(1.104)	657587	56.221	56.221
	65 Fluoranthene	202.00	17.995	(1.185)	466055	56.527	56.527
	66 Benzidine	184.00	18.438	(2.578)	84724	43.508	43.508
	67 Pyrene	202.00	18.510	(0.865)	478745	50.793	50.793
$	68 Terphenyl-d14	244.00	19.017	(0.889)	304741	50.986	50.986
	69 Butylbenzylphthalate	149.00	20.295	(0.949)	272896	51.409	51.409
	70 Benzo(a)anthracene	228.00	21.374	(0.999)	380021	51.026	51.026
*	71 Chrysene-d12	240.00	21.395	(1.000)	198677	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.431	(1.002)	140303	52.535	52.535
	73 Chrysene	228.00	21.452	(1.003)	345017	53.721	53.721
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.017)	381799	53.043	53.043
	75 Di-n-octylphthalate	149.00	23.231	(0.948)	664406	62.007	62.007
	76 Benzo(b)fluoranthene	252.00	23.759	(0.969)	340281	56.831	56.831
	77 Benzo(k)fluoranthene	252.00	23.824	(0.972)	335103	59.972	59.972
	78 Benzo(a)pyrene	252.00	24.409	(0.996)	309724	59.606	59.606

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	163734	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.574	(1.084)	289341	58.611	58.611
81 Dibenzo(a,h)anthracene	278.00	26.645	(1.087)	278380	59.844	59.844
82 Benzo(g,h,i)perylene	276.00	27.124	(1.106)	297788	60.281	60.281

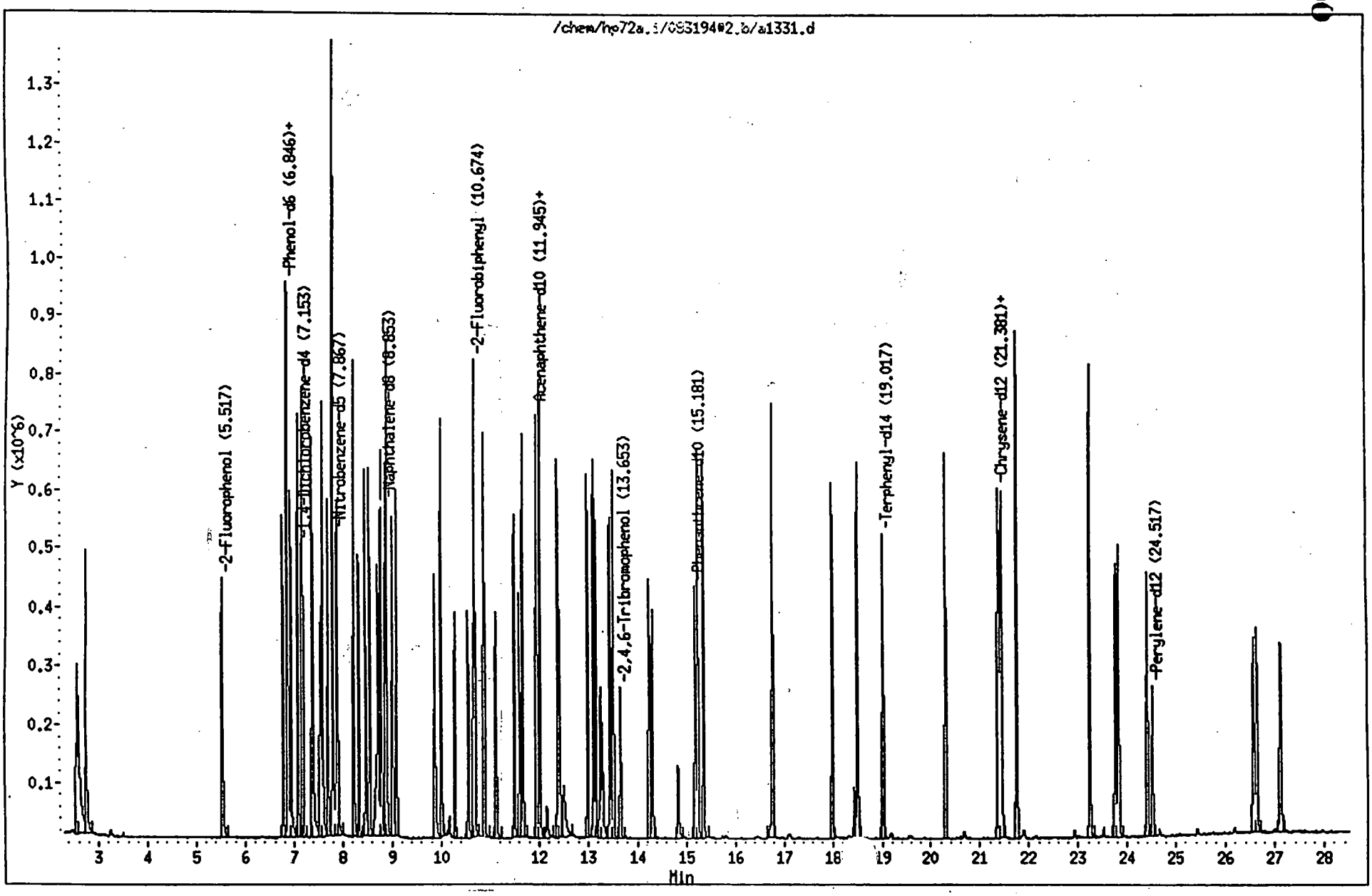
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/083194#2.b/a1331.d
Date : 01-SEP-94 03:50
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000050



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1333.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:04 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD080
Misc Info : SSTD080
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: Calibration Sample, Level: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.633	(0.368)	419871	86.148	86.148
	2 Pyridine	79.00	2.633	(0.000)	1087952	83.939	83.939(QM)
$	3 2-Fluorophenol	112.00	5.533	(0.773)	812897	83.971	83.971
$	4 Phenol-d6	99.00	6.868	(0.959)	698796	78.289	78.289
	5 Aniline	93.00	6.776	(0.946)	1106332	83.936	83.936
	6 Phenol	94.00	6.883	(0.961)	898899	80.814	80.814
	7 bis(-2-Chloroethyl)Ether	93.00	6.861	(0.958)	708789	79.236	79.236
	8 2-Chlorophenol	128.00	6.940	(0.969)	703734	81.998	81.998
	9 1,3-Dichlorobenzene	146.00	7.083	(0.989)	693017	79.467	79.467
*	1,4-Dichlorobenzene-d4	152.00	7.161	(1.000)	219619	40.000	
	11 1,4-Dichlorobenzene	146.00	7.183	(1.003)	658821	78.136	78.136
	12 Benzyl alcohol	108.00	7.411	(1.035)	489768	87.474	87.474
	13 1,2-Dichlorobenzene	146.00	7.368	(1.029)	652082	79.541	79.541
	14 2-Methylphenol	108.00	7.597	(1.061)	672557	85.928	85.928
	15 Bis(2-chloroisopropyl)ether	45.00	7.533	(1.052)	943870	84.635	84.635
	16 3- & 4-Methylphenol	108.00	7.811	(1.091)	1120618	167.400	167.400
	17 N-Nitroso-di-n-propylamine	70.00	7.740	(1.074)	614925	85.823	85.823(QMH)
	18 Hexachloroethane	117.00	7.790	(1.088)	238313	76.511	76.511
$	19 Nitrobenzene-d5	82.00	7.883	(0.890)	804608	85.172	85.172
	20 Nitrobenzene	77.00	7.911	(0.893)	736637	79.965	79.965
	21 Isophorone	82.00	8.254	(0.931)	1613154	84.851	84.851
	22 2-Nitrophenol	139.00	8.333	(0.940)	467298	81.383	81.383
	23 2,4-Dimethyphenol	122.00	8.468	(0.956)	546430	83.272	83.272
	24 bis(-2-Chloroethoxy)methane	93.00	8.554	(0.965)	936981	82.543	82.543
	25 Benzoic Acid	122.00	8.761	(1.223)	401605	89.262	89.262(QMH)
	26 2,4-Dichlorophenol	162.00	8.726	(0.985)	498543	84.040	84.040
	27 1,2,4-Trichlorobenzene	180.00	8.783	(0.991)	523951	81.001	81.001
*	28 Naphthalene-d8	136.00	8.861	(1.000)	777023	40.000	
	29 Naphthalene	128.00	8.897	(1.004)	1680010	78.914	78.914

mpounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
30 4-Chloroaniline	127.00	9.018	(1.018)	778973	81.029	81.029
31 Hexachlorobutadiene	225.00	9.090	(1.026)	290785	81.959	81.959
32 4-Chloro-3-Methylphenol	107.00	9.868	(1.114)	597401	84.249	84.249
33 2-Methylnaphthalene	142.00	10.011	(1.130)	1074331	81.748	81.748
34 Hexachlorocyclopentadiene	237.00	10.283	(0.860)	307488	86.819	86.819
35 2,4,6-Trichlorophenol	196.00	10.554	(0.882)	326661	82.665	82.665
36 2,4,5-Trichlorphenol	196.00	10.647	(0.890)	390219	84.818	84.818
37 2-Fluorobiphenyl	172.00	10.690	(0.894)	1206465	80.127	80.127
38 2-Chloronaphthalene	162.00	10.883	(0.910)	1058003	80.625	80.625
39 2-Nitroaniline	138.00	11.133	(0.931)	510541	84.328	84.328
40 Dimethylphthalate	163.00	11.518	(0.963)	1336824	82.818	82.818
41 Acenaphthylene	152.00	11.683	(0.977)	1701708	80.401	80.401
42 [illegible]-4-Dinitrotoluene	165.00	11.625	(0.972)	311146	82.507	82.507
43 [illegible]itroaniline	138.00	11.975	(1.001)	379049	83.049	83.049
44 Acenaphthene-d10	164.00	11.961	(1.000)	395715	40.000	
45 Acenaphthene	152.00	12.040	(1.007)	490308	79.443	79.443
46 2,4-Dinitrophenol	184.00	12.175	(1.018)	177275	99.410	99.410
47 4-Nitrophenol	109.00	12.511	(1.046)	156180	85.914	85.914(Q)
48 Dibenzofuran	168.00	12.397	(1.036)	1486520	80.417	80.417
49 2,4-Dinitrotoluene	165.00	12.447	(1.041)	423545	83.057	83.057
50 Fluorene	166.00	13.125	(1.097)	1115155	79.940	79.940
51 Diethylphthalate	149.00	13.018	(1.088)	1284795	80.259	80.259
52 4-Chlorophenyl-phenylether	204.00	13.175	(1.102)	559148	81.121	81.121
53 4-Nitroaniline	138.00	13.304	(1.112)	398812	88.505	88.505
54 4,6-Dinitro-o-cresol	198.00	13.333	(0.877)	251294	91.703	91.703
55 N-nitrosodiphenylamine (1)	169.00	13.468	(0.886)	796138	81.072	81.072
56 Azobenzene	77.00	13.525	(1.889)	1530670	82.027	82.027
57 2,4,6-Tribromophenol	330.00	13.668	(1.143)	182223	84.074	84.074
58 4-Bromophenyl-phenylether	248.00	14.254	(0.938)	286349	81.369	81.369
59 [illegible]achlorobenzene	284.00	14.325	(0.943)	318829	80.168	80.168
60 [illegible].tachlorophenol	266.00	14.833	(0.976)	178611	97.266	97.266
61 Phenanthrene-d10	188.00	15.197	(1.000)	596358	40.000	
62 Phenanthrene	178.00	15.254	(1.004)	1495949	79.171	79.171
63 Anthracene	178.00	15.375	(1.012)	1463120	78.081	78.081
64 Di-n-butylphthalate	149.00	16.775	(1.104)	2035428	77.529	77.529
65 Fluoranthene	202.00	18.011	(1.185)	1437375	77.671	77.671
66 Benzidine	184.00	18.447	(2.576)	335970	80.635	80.635
67 Pyrene	202.00	18.525	(0.865)	1406988	86.108	86.108
68 Terphenyl-d14	244.00	19.032	(0.889)	886186	85.526	85.526
69 Butylbenzylphthalate	149.00	20.311	(0.949)	794681	86.354	86.354
70 Benzo(a)anthracene	228.00	21.389	(0.999)	1095372	84.839	84.839
71 Chrysene-d12	240.00	21.411	(1.000)	344427	40.000	
72 3,3'-Dichlorobenzidine	252.00	21.447	(1.002)	386548	83.490	83.490
73 Chrysene	228.00	21.482	(1.003)	937271	84.183	84.183
74 bis(2-Ethylhexyl)phthalate	149.00	21.761	(1.016)	1061374	85.057	85.057
75 Di-n-octylphthalate	149.00	23.247	(0.948)	1764006	91.613	91.613
76 Benzo(b)fluoranthene	252.00	23.782	(0.970)	968516	90.013	90.013
77 Benzo(k)fluoranthene	252.00	23.847	(0.972)	887512	88.388	88.388
78 Benzo(a)pyrene	252.00	24.432	(0.996)	828166	88.691	88.691

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	294233	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.604	(1.085)	789032	88.943	88.943
81 Dibenzo(a,h)anthracene	278.00	26.668	(1.087)	755986	90.436	90.436
82 Benzo(g,h,i)perylene	276.00	27.154	(1.107)	783475	88.257	88.257

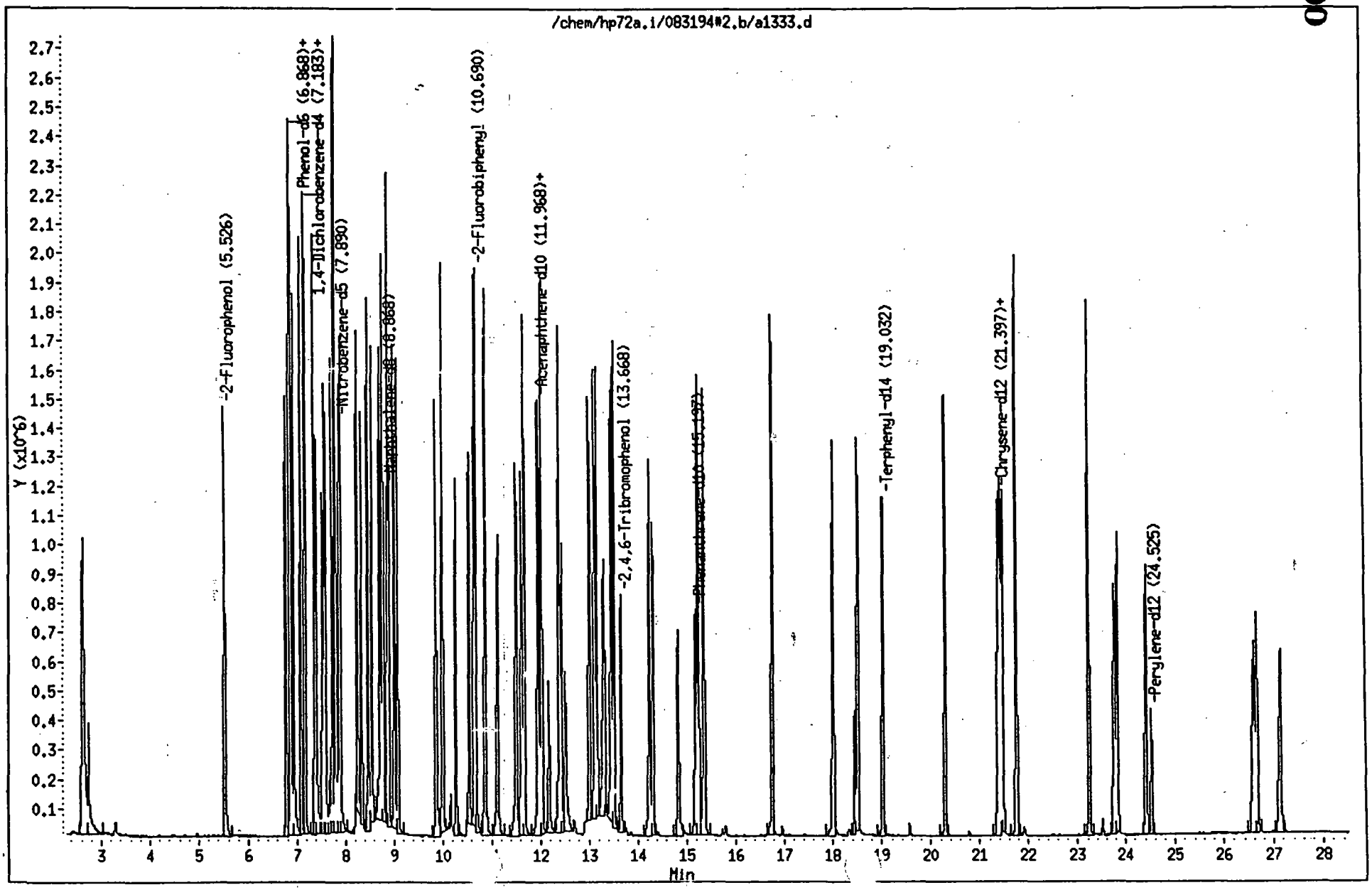
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1333.d
Date : 01-SEP-94 05:04
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000054



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1334.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:41 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD120
Misc Info : SSTD120
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.596	(0.363)	352728	125.832	125.832
	2 Pyridine	79.00	2.610	(0.000)	923435	126.759	126.759(QM)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	679313	122.006	122.006
$	4 Phenol-d6	99.00	6.860	(0.958)	607701	118.374	118.374
	5 Aniline	93.00	6.768	(0.945)	908719	119.871	119.871
	6 Phenol	94.00	6.875	(0.960)	775703	121.113	121.113
	7 bis(-2-Chloroethyl)Ether-	93.00	6.853	(0.957)	582860	113.290	113.290
	8 2-Chlorophenol	128.00	6.939	(0.969)	596160	120.775	120.775
	9 1,3-Dichlorobenzene	146.00	7.082	(0.989)	601260	119.874	119.874
	1 1,4-Dichlorobenzene-d4	152.00	7.160	(1.000)	126314	40.000	
	11 1,4-Dichlorobenzene	146.00	7.182	(1.003)	583789	120.381	120.381
	12 Benzyl alcohol	108.00	7.403	(1.034)	399337	124.007	124.007
	13 1,2-Dichlorobenzene	146.00	7.367	(1.029)	562052	119.202	119.202
	14 2-Methylphenol	108.00	7.596	(1.061)	550648	122.320	122.320
	15 Bis(2-chloroisopropyl)ether	45.00	7.532	(1.052)	794065	123.798	123.798
	16 3- & 4-Methylphenol	108.00	7.803	(1.090)	909690	236.271	236.271(A)
	17 N-Nitroso-di-n-propylamine	70.00	7.732	(1.073)	487625	118.328	118.328(QMH)
	18 Hexachloroethane	117.00	7.789	(1.088)	202813	113.211	113.211
$	19 Nitrobenzene-d5	82.00	7.882	(0.890)	663844	123.378	123.378
	20 Nitrobenzene	77.00	7.910	(0.893)	618284	117.840	117.840
	21 Isophorone	82.00	8.239	(0.930)	1289702	119.105	119.105
	22 2-Nitrophenol	139.00	8.332	(0.940)	401667	122.818	122.818
	23 2,4-Dimethyphenol	122.00	8.467	(0.956)	449851	120.362	120.362
	24 bis(-2-Chloroethoxy)methane	93.00	8.546	(0.965)	753940	116.612	116.612
	25 Benzoic Acid	122.00	8.760	(1.223)	298558	162.431	162.431
	26 2,4-Dichlorophenol	162.00	8.717	(0.984)	401926	118.957	118.957
	27 1,2,4-Trichlorobenzene	180.00	8.782	(0.991)	441420	119.815	119.815
*	28 Naphthalene-d8	136.00	8.860	(1.000)	442563	40.000	
	29 Naphthalene	128.00	8.896	(1.004)	1437641	118.563	118.563

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.010	(1.017)	670464	122.449	122.449
	31 Hexachlorobutadiene	225.00	9.082	(1.025)	242138	119.824	119.824
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.113)	490467	121.441	121.441
	33 2-Methylnaphthalene	142.00	10.003	(1.129)	887759	118.603	118.603
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	249497	126.365	126.365
	35 2,4,6-Trichlorophenol	196.00	10.553	(0.883)	265996	120.747	120.747
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.890)	319915	124.736	124.736
$	37 2-Fluorobiphenyl	172.00	10.682	(0.894)	982039	116.994	116.994
	38 2-Chloronaphthalene	162.00	10.882	(0.910)	858968	117.418	117.418
	39 2-Nitroaniline	138.00	11.132	(0.931)	412886	122.333	122.333
	40 Dimethylphthalate	163.00	11.510	(0.963)	1061005	117.907	117.907
	41 Acenaphthylene	152.00	11.675	(0.977)	1399086	118.575	118.575
	? 2,6-Dinitrotoluene	165.00	11.617	(0.972)	253915	120.778	120.778
	43 3-Nitroaniline	138.00	11.967	(1.001)	317976	124.971	124.971
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	220601	40.000	
	45 Acenaphthene	152.00	12.032	(1.007)	402140	116.879	116.879
	46 2,4-Dinitrophenol	184.00	12.167	(1.018)	142888	126.087	126.087
	47 4-Nitrophenol	109.00	12.503	(1.046)	128329	127.661	127.661
	48 Dibenzofuran	168.00	12.396	(1.037)	1218645	118.257	118.257
	49 2,4-Dinitrotoluene	165.00	12.439	(1.041)	347838	122.357	122.357
	50 Fluorene	166.00	13.124	(1.098)	911379	117.194	117.194
	51 Diethylphthalate	149.00	13.010	(1.088)	1028375	115.235	115.235
	52 4-Chlorophenyl-phenylether	204.00	13.174	(1.102)	455351	118.503	118.503
	53 4-Nitroaniline	138.00	13.296	(1.112)	314479	125.188	125.188
	54 4,6-Dinitro-o-cresol	198.00	13.324	(0.877)	199755	140.600	140.600
	55 N-nitrosodiphenylamine (1)	169.00	13.467	(0.887)	632123	119.297	119.297
	56 Azobenzene	77.00	13.517	(1.888)	1243337	115.846	115.846
$	57 2,4,6-Tribromophenol	330.00	13.667	(1.143)	144969	119.980	119.980
	58 4-Bromophenyl-phenylether	248.00	14.246	(0.938)	230185	121.222	121.222
	) Hexachlorobenzene	284.00	14.317	(0.943)	265701	123.817	123.817
	60 Pentachlorophenol	266.00	14.832	(0.976)	152619	132.297	132.297
*	61 Phenanthrene-d10	188.00	15.189	(1.000)	321783	40.000	
	62 Phenanthrene	178.00	15.253	(1.004)	1236765	121.306	121.306
	63 Anthracene	178.00	15.367	(1.012)	1234669	122.113	122.113
	64 Di-n-butylphthalate	149.00	16.774	(1.104)	1691911	119.435	119.435
	65 Fluoranthene	202.00	18.010	(1.186)	1233626	123.542	123.542
	66 Benzidine	184.00	18.446	(2.576)	283791	118.424	118.424
	67 Pyrene	202.00	18.524	(0.865)	1257309	115.828	115.828
$	68 Terphenyl-d14	244.00	19.031	(0.889)	798098	115.944	115.944
	69 Butylbenzylphthalate	149.00	20.310	(0.949)	727377	118.979	118.979
	70 Benzo(a)anthracene	228.00	21.389	(0.999)	1051762	122.622	122.622
*	71 Chrysene-d12	240.00	21.410	(1.000)	228811	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.446	(1.002)	397049	129.090	129.090
	73 Chrysene	228.00	21.481	(1.003)	898359	121.458	121.458
	74 bis(2-Ethylhexyl)phthalate	149.00	21.760	(1.016)	987921	119.175	119.175
	75 Di-n-octylphthalate	149.00	23.246	(0.948)	1712143	120.832	120.832
	76 Benzo(b)fluoranthene	252.00	23.788	(0.970)	1040196	131.370	131.370
	77 Benzo(k)fluoranthene	252.00	23.853	(0.972)	945834	132.197	132.197
	78 Benzo(a)pyrene	252.00	24.438	(0.996)	914307	133.057	133.057

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.531	(1.000)	216525	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.610	(1.085)	875133	134.053	134.053
81 Dibenzo(a,h)anthracene	278.00	26.681	(1.088)	827577	134.530	134.530
82 Benzo(g,h,i)perylene	276.00	27.167	(1.107)	874788	133.909	133.909

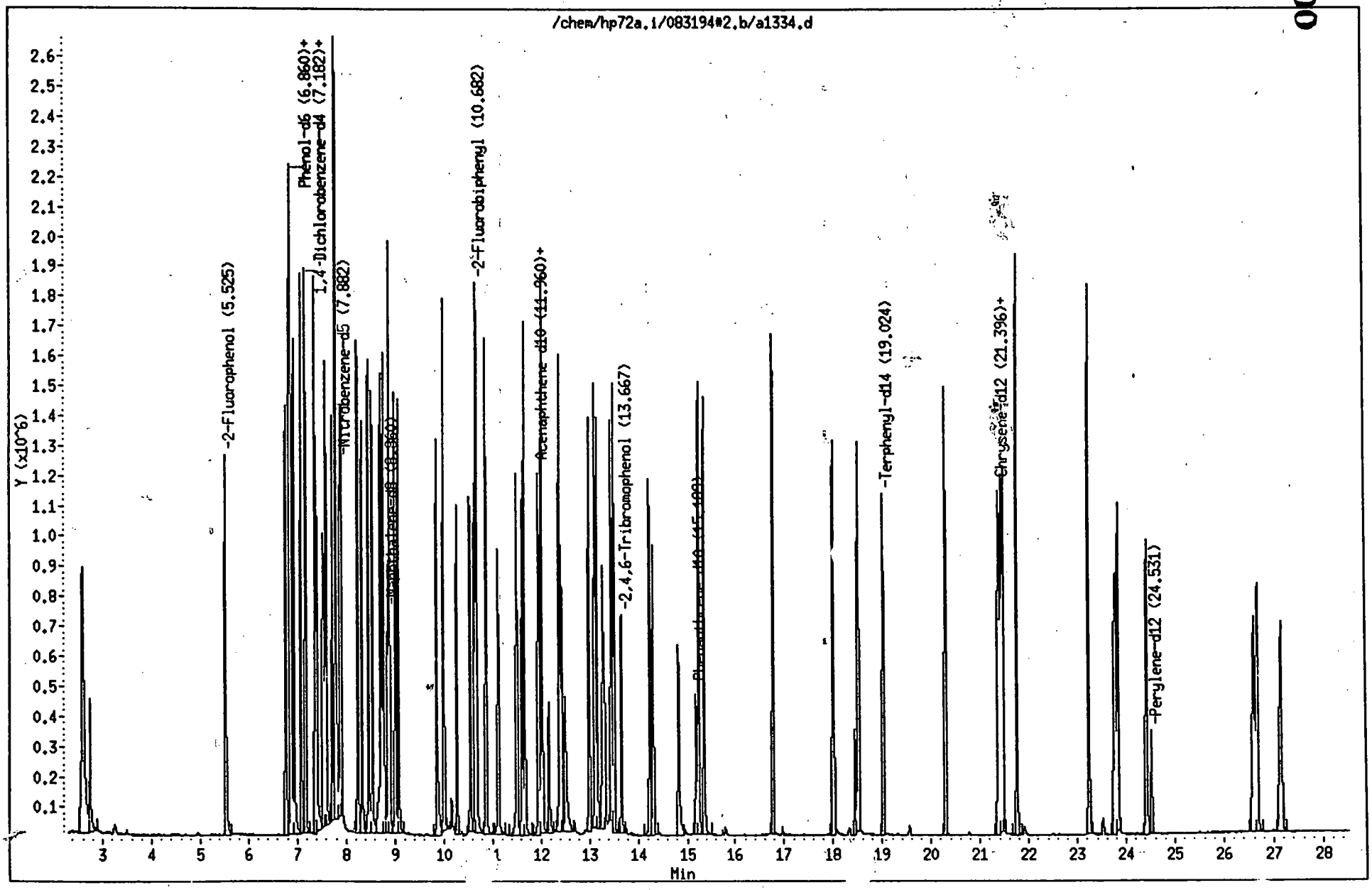
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
' Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1334.d
Date : 01-SEP-94 05:41
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000058



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1335.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 06:18 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD160
Misc Info : SSTD160
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:39 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.652	(0.370)	657576	156.018	156.018
	2 Pyridine	79.00	2.673	(0.000)	1705457	152.157	152.157(QM)
$	3 2-Fluorophenol	112.00	5.537	(0.773)	1224823	146.306	146.306
$	4 Phenol-d6	99.00	6.873	(0.959)	1057336	136.980	136.980
	5 Aniline	93.00	6.780	(0.946)	1682445	147.606	147.606
	6 Phenol	94.00	6.894	(0.962)	1266031	131.618	131.618(M)
	7 bis(-2-Chloroethyl)Ether	93.00	6.866	(0.958)	1097802	141.915	141.915
	8 2-Chlorophenol	128.00	6.951	(0.970)	1070436	144.229	144.229
	9 1,3-Dichlorobenzene	146.00	7.094	(0.990)	990379	131.323	131.323
	10 1,4-Dichlorobenzene-d4	152.00	7.166	(1.000)	189921	40.000	
	11 1,4-Dichlorobenzene	146.00	7.187	(1.003)	933338	128.003	128.003
	12 Benzyl alcohol	108.00	7.430	(1.037)	742707	153.391	153.391
	13 1,2-Dichlorobenzene	146.00	7.373	(1.029)	904234	127.546	127.546
	14 2-Methylphenol	108.00	7.601	(1.061)	969238	143.197	143.197
	15 Bis(2-chloroisopropyl)ether	45.00	7.544	(1.053)	1422880	147.538	147.538
	16 3- & 4-Methylphenol	108.00	7.823	(1.092)	1601651	267.960	267.960(AM)
	17 N-Nitroso-di-n-propylamine	70.00	7.751	(1.075)	936522	151.146	151.146(QMH)
	18 Hexachloroethane	117.00	7.794	(1.088)	337066	125.137	125.137
$	19 Nitrobenzene-d5	82.00	7.894	(0.890)	1212224	146.366	146.366
	20 Nitrobenzene	77.00	7.923	(0.894)	1196036	148.093	148.093
	21 Isophorone	82.00	8.273	(0.933)	2552794	153.158	153.158
	22 2-Nitrophenol	139.00	8.344	(0.941)	791702	157.270	157.270
	23 2,4-Dimethyphenol	122.00	8.480	(0.956)	824295	143.282	143.282
	24 bis(-2-Chloroethoxy)methane	93.00	8.566	(0.966)	1466976	147.406	147.406
	25 Benzoic Acid	122.00	8.823	(1.223)	735439	195.847	195.847(QMH)
	26 2,4-Dichlorophenol	162.00	8.730	(0.985)	730265	140.414	140.414
	27 1,2,4-Trichlorobenzene	180.00	8.787	(0.991)	766290	135.126	135.126
*	28 Naphthalene-d8	136.00	8.866	(1.000)	681222	40.000	
	29 Naphthalene	128.00	8.901	(1.004)	2454771	131.522	131.522

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.023	(1.018)	1157990	137.395	137.395
	31 Hexachlorobutadiene	225.00	9.087	(1.025)	438491	140.971	140.971
	32 4-Chloro-3-Methylphenol	107.00	9.873	(1.114)	923868	148.612	148.612
	33 2-Methylnaphthalene	142.00	10.016	(1.130)	1598765	138.762	138.762
	34 Hexachlorocyclopentadiene	237.00	10.280	(0.859)	484654	168.373	168.373
	35 2,4,6-Trichlorophenol	196.00	10.559	(0.882)	529248	164.794	164.794
	36 2,4,5-Trichlorphenol	196.00	10.651	(0.890)	563015	150.576	150.576
$	37 2-Fluorobiphenyl	172.00	10.694	(0.894)	1725779	141.027	141.027
	38 2-Chloronaphthalene	162.00	10.887	(0.910)	1585217	148.636	148.636
	39 2-Nitroaniline	138.00	11.151	(0.932)	822821	167.224	167.224
	40 Dimethylphthalate	163.00	11.530	(0 964)	2096467	159.805	159.805
	41 Acenaphthylene	152.00	11.694	(0.977)	2548834	148.173	148.173
	2 2,6-Dinitrotoluene	165.00	11.644	(0.973)	477803	155.894	155.894
	43 3-Nitroaniline	138.00	11.994	(1.002)	604541	162.975	162.975
*	44 Acenaphthene-d10	164.00	11.966	(1.000)	321609	40.000	
	45 Acenaphthene	152.00	12.051	(1.007)	736421	146.813	146.813
	46 2,4-Dinitrophenol	184.00	12.194	(1.019)	360122	248.477	248.477(A)
	47 4-Nitrophenol	109.00	12.537	(1.048)	294813	199.544	199.544
	48 Dibenzofuran	168.00	12.408	(1.037)	2208674	147.015	147.015
	49 2,4-Dinitrotoluene	165.00	12.466	(1.042)	674291	162.697	162.697
	50 Fluorene	166.00	13.137	(1.098)	1689925	149.057	149.057
	51 Diethylphthalate	149.00	13.037	(1.090)	2051778	157.704	157.704
	52 4-Chlorophenyl-phenylether	204.00	13.187	(1.102)	832656	148.637	148.637
	53 4-Nitroaniline	138.00	13.344	(1.115)	480149	131.108	131.108
	54 4,6-Dinitro-o-cresol	198.00	13.358	(0.879)	450094	188.956	188.956(M)
	55 N-nitrosodiphenylamine (1)	169.00	13.487	(0.887)	1260610	147.679	147.679
	56 Azobenzene	77.00	13.537	(1.889)	2485995	154.053	154.053
$	57 2,4,6-Tribromophenol	330.00	13.680	(1.143)	296462	168.299	168.299
	58 4-Bromophenyl-phenylether	248.00	14.258	(0.938)	453283	148.179	148.179
	9 Hexachlorobenzene	284.00	14.337	(0.943)	502033	145.221	145.221
	60 Pentachlorophenol	266.00	14.844	(0.977)	337421	211.388	211.388(A)
*	61 Phenanthrene-d10	188.00	15.201	(1.000)	518386	40.000	
	62 Phenanthrene	178.00	15.266	(1.004)	2366230	144.066	144.066
	63 Anthracene	178.00	15.387	(1.012)	2327734	142.907	142.907
	64 Di-n-butylphthalate	149.00	16.787	(1.104)	3251175	142.464	142.464
	65 Fluoranthene	202.00	18.030	(1.186)	2290915	142.413	142.413
	66 Benzidine	184.00	18.458	(2.576)	484922	134.584	134.584
	67 Pyrene	202.00	18.544	(0.865)	2292137	160.740	160.740
$	68 Terphenyl-d14	244.00	19.044	(0.889)	1425194	157.608	157.608
	69 Butylbenzylphthalate	149.00	20.315	(0.948)	1245711	155.110	155.110
	70 Benzo(a)anthracene	228.00	21.408	(0.999)	1783434	158.277	158.277
*	71 Chrysene-d12	240.00	21.430	(1.000)	300585	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.458	(1.001)	589984	146.016	146.016
	73 Chrysene	228.00	21.501	(1.003)	1406479	144.750	144.750
	74 bis(2-Ethylhexyl)phthalate	149.00	21.773	(1.016)	1603125	147.210	147.210
	75 Di-n-octylphthalate	149.00	23.258	(0.948)	2668173	114.808	114.808
	76 Benzo(b)fluoranthene	252.00	23.808	(0.970)	1785248	137.467	137.467
	77 Benzo(k)fluoranthene	252.00	23.865	(0.973)	1481791	122.266	122.266(M)
	78 Benzo(a)pyrene	252.00	24.451	(0.997)	1366004	121.204	121.204

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.537	(1.000)	355132	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.630	(1.085)	1396872	130.460	130.460
81 Dibenzo(a,h)anthracene	278.00	26.694	(1.088)	1199347	118.871	118.871
82 Benzo(g,h,i)perylene	276.00	27.187	(1.108)	1299706	121.303	121.303

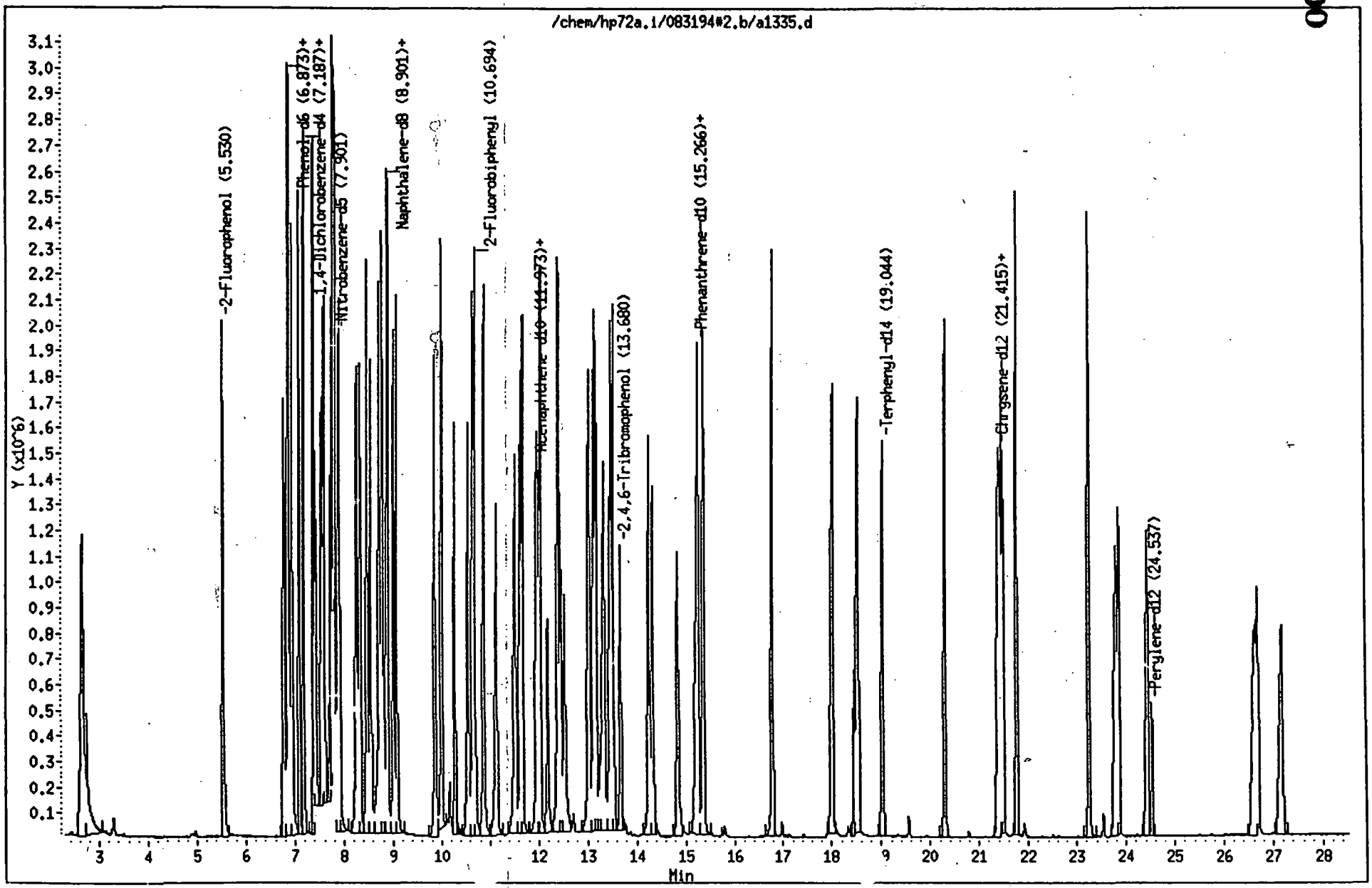
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
  - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1335.d
Date : 01-SEP-94 06:18
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000062



Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

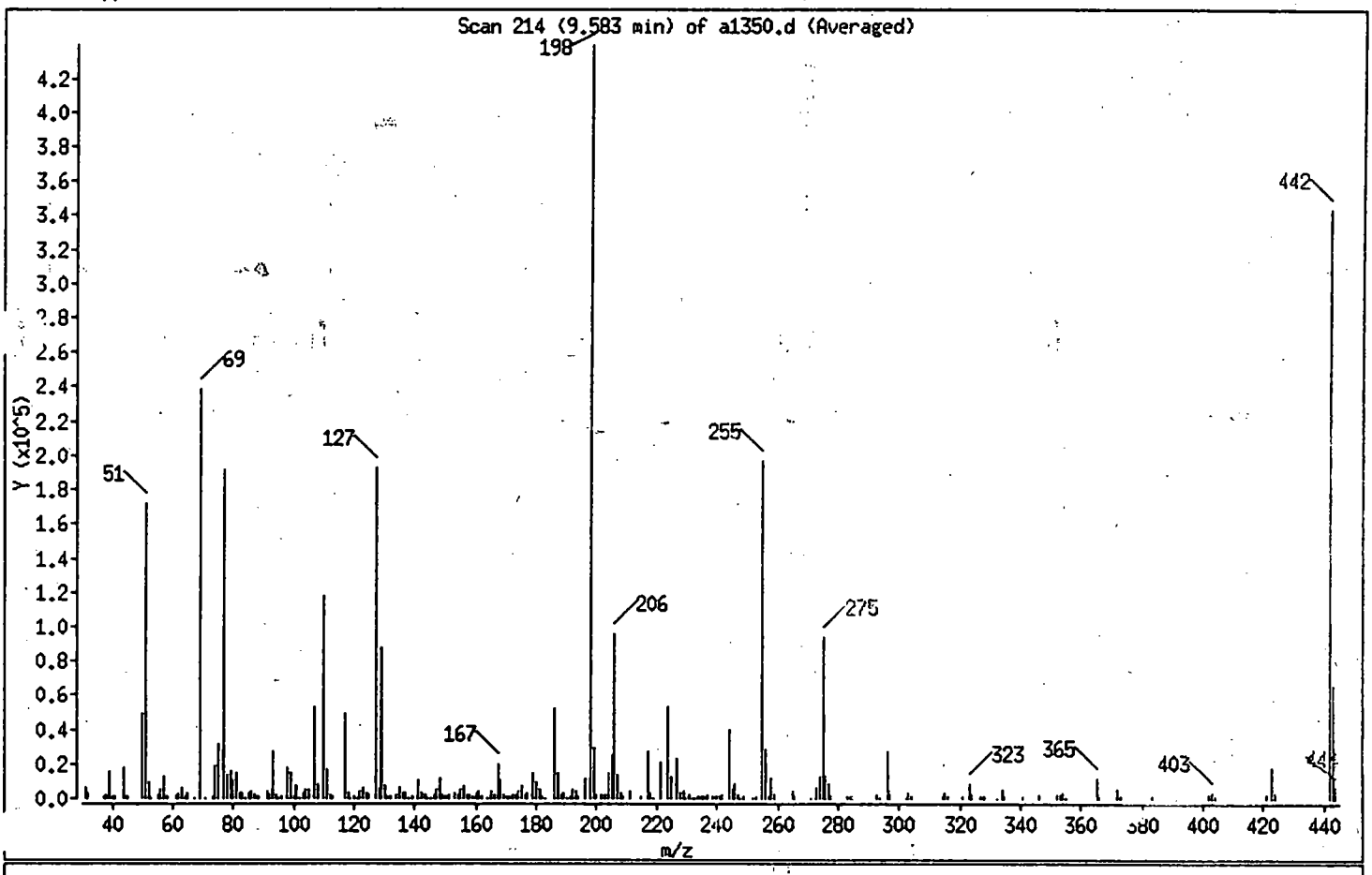
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	39.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	54.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	21.3
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	78.3
443	17.00 - 23.00% of mass 442	18.9

Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207

Location of Maximum: 198.00

Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6443	117.00	48522	181.00	4706	258.00	11826
37.00	1002	118.00	3444	182.00	857	259.00	1927
38.00	2467	119.00	371	183.00	213	265.00	4386
39.00	15566	120.00	758	186.00	52232	266.00	645
40.00	705	121.00	193	187.00	14978	271.00	200
41.00	209	122.00	3835	188.00	1755	273.00	6369
45.00	50	123.00	6324	189.00	3360	274.00	12797
50.00	48674	124.00	3106	190.00	476	275.00	93736
51.00	171858	125.00	2263	191.00	1196	276.00	12248
52.00	8965	127.00	192981	192.00	5092	277.00	7909
53.00	219	128.00	6272	193.00	4683	278.00	1325
55.00	769	129.00	87472	194.00	1116	283.00	923
56.00	5725	130.00	6859	196.00	11623	284.00	595
57.00	12093	131.00	1334	198.00	439381	285.00	1326
58.00	589	132.00	638	199.00	29322	293.00	1683
61.00	2451	134.00	2490	200.00	2230	294.00	169
62.00	2785	135.00	6457	202.00	1879	296.00	27021
63.00	6566	136.00	2625	203.00	2188	297.00	3755
64.00	980	137.00	3240	204.00	14100	302.00	450
65.00	3485	138.00	178	205.00	25354	303.00	3126
67.00	170	139.00	643	206.00	95976	304.00	846
69.00	238144	141.00	10590	207.00	13206	314.00	846
71.00	511	142.00	3259	208.00	3323	315.00	2757
73.00	1009	143.00	2197	209.00	1242	316.00	1452
74.00	18635	144.00	441	211.00	4154	321.00	792
75.00	30960	145.00	445	215.00	1196	323.00	8600
77.00	191509	146.00	1921	217.00	26552	324.00	1662
78.00	13636	147.00	5021	218.00	3549	327.00	1458
79.00	15342	148.00	11736	219.00	183	328.00	858
80.00	10528	149.00	2376	221.00	20701	332.00	487
81.00	14717	150.00	743	224.00	52696	334.00	5456
82.00	3319	151.00	1814	225.00	12433	335.00	1516
83.00	3345	153.00	3368	227.00	23266	341.00	899
84.00	219	154.00	2434	228.00	3150	346.00	1710
85.00	2857	155.00	5204	229.00	4439	352.00	2406

Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207
Location of Maximum: 198.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4447	156.00	7272	230.00	405	353.00	1755
87.00	1830	157.00	1576	231.00	1727	354.00	2614
88.00	641	158.00	2108	232.00	171	355.00	231
91.00	3728	159.00	1289	233.00	202	365.00	11802
92.00	2465	160.00	3183	234.00	1402	366.00	1372
93.00	27117	161.00	4583	235.00	1544	372.00	4687
94.00	1941	162.00	1218	236.00	837	373.00	1162
95.00	455	164.00	251	237.00	1603	383.00	1248
96.00	1198	165.00	3662	239.00	966	390.00	687
98.00	18151	166.00	2031	240.00	778	391.00	337
99.00	14665	167.00	19375	241.00	1305	402.00	1864
100.00	1005	168.00	10612	242.00	2475	403.00	2948
101.00	7292	169.00	1729	244.00	39661	404.00	1049
102.00	355	170.00	739	245.00	5546	421.00	2457
103.00	2662	171.00	956	246.00	7934	423.00	17827
104.00	5371	172.00	1581	247.00	1630	424.00	3575
105.00	4973	173.00	2476	248.00	181	442.00	343957
107.00	53133	174.00	4394	249.00	1366	443.00	65152
108.00	8276	175.00	6988	252.00	167	444.00	6026
110.00	117658	176.00	2209	253.00	916		
111.00	17116	177.00	3551	255.00	196522		
112.00	2172	179.00	14641	256.00	28469		
113.00	596	180.00	9751	257.00	1040		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.919	0.010	3.5	500.0
	2 Pyridine	2.361	2.424	0.010	2.7	500.0
$	3 2-Fluorophenol	1.763	1.847	0.010	4.8	500.0
$	4 Phenol-d6	1.626	1.730	0.010	6.4	500.0
	5 Aniline	2.401	2.547	0.010	6.1	500.0
	6 Phenol	2.026	2.133	0.010	5.3	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.701	0.010	4.4	500.0
	8 2-Chlorophenol	1.563	1.651	0.010	5.6	500.0
	9 1,3-Dichlorobenzene	1.588	1.717	0.010	8.1	500.0
	11 1,4-Dichlorobenzene	1.536	1.668	0.010	8.6	30.0
	12 Benzyl alcohol	1.020	1.079	0.010	5.8	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.3	500.0
	14 2-Methylphenol	1.426	1.459	0.010	2.3	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.308	0.010	3.9	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.346	0.050	3.2	500.0
	18 Hexachloroethane	0.567	0.583	0.010	2.8	500.0
$	19 Nitrobenzene-d5	0.486	0.532	0.010	9.4	500.0
	20 Nitrobenzene	0.474	0.526	0.010	10.9	500.0
	21 Isophorone	0.979	0.943	0.010	3.6	500.0
	22 2-Nitrophenol	0.296	0.323	0.010	9.3	30.0
	23 2,4-Dimethyphenol	0.338	0.365	0.010	8.1	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.621	0.010	6.3	500.0
	25 Benzoic Acid	0.791	0.795	0.010	0.5	500.0
	26 2,4-Dichlorophenol	0.305	0.340	0.010	11.2	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.374	0.010	12.2	500.0
	29 Naphthalene	1.096	1.192	0.010	8.8	500.0
	30 4-Chloroaniline	0.495	0.534	0.010	8.0	500.0
	31 Hexachlorobutadiene	0.183	0.204	0.010	11.8	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.383	0.010	4.8	30.0
	33 2-Methylnaphthalene	0.677	0.738	0.010	9.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.381	0.050	6.3	500.0
	35 2,4,6-Trichlorophenol	0.399	0.420	0.010	5.0	30.0
	36 2,4,5-Trichlorphenol	0.465	0.504	0.010	8.3	500.0
$	37 2-Fluorobiphenyl	1.522	1.630	0.010	7.1	500.0
	38 2-Chloronaphthalene	1.326	1.408	0.010	6.1	500.0
	39 2-Nitroaniline	0.612	0.634	0.010	3.7	500.0
	40 Dimethylphthalate	1.632	1.677	0.010	2.8	500.0
	41 Acenaphthylene	2.139	2.284	0.010	6.8	500.0
	42 2,6-Dinitrotoluene	0.381	0.415	0.010	8.9	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.456	0.010	1.1	500.0
	45 Acenaphthene	0.624	0.651	0.010	4.4	30.0
	46 2,4-Dinitrophenol	0.209	0.172	0.050	17.5	500.0
	47 4-Nitrophenol	0.184	0.173	0.050	6.1	500.0
	48 Dibenzofuran	1.869	1.958	0.010	4.8	500.0
	49 2,4-Dinitrotoluene	0.515	0.543	0.010	5.3	500.0
	50 Fluorene	1.410	1.440	0.010	2.1	500.0
	51 Diethylphthalate	1.618	1.668	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.733	0.010	5.2	500.0
	53 4-Nitroaniline	0.455	0.455	0.010	0.0	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.192	0.010	4.3	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.688	0.010	4.5	30.0
	56 Azobenzene	3.399	3.410	0.010	0.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.229	0.010	4.4	500.0
	58 4-Bromophenyl-phenylether	0.236	0.255	0.010	8.1	500.0
	59 Hexachlorobenzene	0.267	0.285	0.010	6.8	500.0
	60 Pentachlorophenol	0.143	0.124	0.010	13.3	30.0
	62 Phenanthrene	1.267	1.295	0.010	2.2	500.0
	63 Anthracene	1.257	1.332	0.010	6.0	500.0
	64 Di-n-butylphtnalate	1.761	1.865	0.010	5.9	500.0
	65 Fluoranthene	1.241	1.271	0.010	2.4	30.0
	66 Benzidine	0.759	0.744	0.010	2.0	500.0
	67 Pyrene	1.898	2.037	0.010	7.3	500.0
$	68 Terphenyl-d14	1.203	1.316	0.010	9.3	500.0
	69 Butylbenzylphthalate	1.069	1.154	0.010	7.9	500.0
	70 Benzo(a)anthracene	1.499	1.569	0.010	4.6	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.573	0.010	6.6	500.0
	73 Chrysene	1.293	1.379	0.010	6.6	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.564	0.010	7.9	500.0
	75 Di-n-octylphthalate	2.618	3.371	0.010	28.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.723	0.010	17.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.666	0.010	22.1	500.0
	78 Benzo(a)pyrene	1.269	1.551	0.010	22.2	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.432	0.010	18.7	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.398	0.010	23.0	500.0
	82 Benzo(g,h,i)perylene	1.207	1.399	0.010	15.9	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1351.d
Lab. Id. :
Inj Date : 01-SEP-94 16:21
Operator :
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 01-Sep-1994 16:53
Cal Date : 01-SEP-94 16:21
Als bottle: 2
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: hp72a.i
Cal File: a1351.d
Continuing Calibration Sample
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.598	(0.363)	237937	51.770	51.770
	2 Pyridine	79.00	2.619	(0.366)	627523	51.342	51.342
$	3 2-Fluorophenol	112.00	5.519	(0.771)	478155	52.378	52.378
$	4 Phenol-d6	99.00	6.848	(0.957)	447975	53.222	53.222
	5 Aniline	93.00	6.762	(0.945)	659484	53.059	53.059
	6 Phenol	94.00	6.862	(0.959)	552291	52.654	52.654
	7 bis(-2-Chloroethyl)Ether	93.00	6.848	(0.957)	440326	52.200	52.200
	8 2-Chlorophenol	128.00	6.933	(0.969)	427280	52.795	52.795
	9 1,3-Dichlorobenzene	146.00	7.076	(0.989)	444403	54.039	54.039
	10 1,4-Dichlorobenzene-d4	152.00	7.155	(1.000)	207101	40.000	
	11 1,4-Dichlorobenzene	146.00	7.176	(1.003)	431776	54.304	54.304
	12 Benzyl alcohol	108.00	7.390	(1.033)	279[illegible]	52.919	52.919
	13 1,2-Dichlorobenzene	146.00	7.362	(1.029)	418768	54.169	54.169
	14 2-Methylphenol	108.00	7.583	(1.060)	377688	51.171	51.171
	15 Bis(2-chloroisopropyl)ether	45.00	7.526	(1.052)	547303	52.042	52.042
	16 3- & 4-Methylphenol	108.00	7.790	(1.089)	677130	103.888	103.888
	17 N-Nitroso-di-n-propylamine	70.00	7.712	(1.078)	348540	51.585	51.585
	18 Hexachloroethane	117.00	7.783	(1.088)	151032	51.420	51.420
$	19 Nitrobenzene-d5	82.00	7.876	(0.889)	469753	54.720	54.720
	20 Nitrobenzene	77.00	7.898	(0.892)	464313	55.465	55.465
	21 Isophorone	82.00	8.233	(0.930)	832315	48.176	48.176
	22 2-Nitrophenol	139.00	8.326	(0.940)	285264	54.670	54.670
	23 2,4-Dimethyphenol	122.00	8.455	(0.955)	322178	54.028	54.028
	24 bis(-2-Chloroethoxy)methane	93.00	8.540	(0.965)	548363	53.159	53.159
	25 Benzoic Acid	122.00	8.733	(1.221)	205857	50.272	50.272
	26 2,4-Dichlorophenol	162.00	8.712	(0.984)	299674	55.590	55.590
	27 1,2,4-Trichlorobenzene	180.00	8.776	(0.991)	329734	56.095	56.095
*	28 Naphthalene-d8	136.00	8.855	(1.000)	706108	40.000	
	29 Naphthalene	128.00	8.890	(1.004)	1052169	54.386	54.386

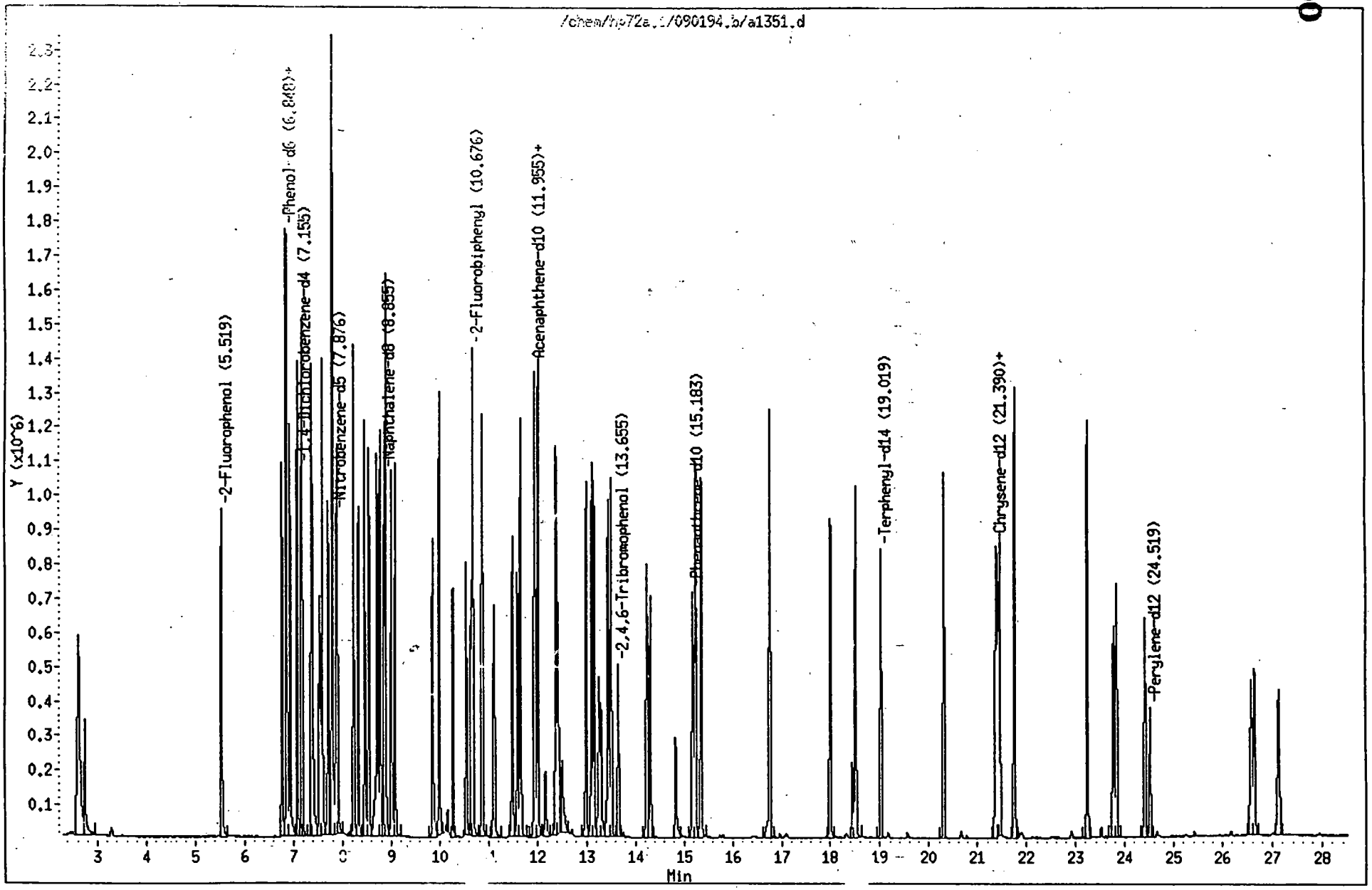
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.005	(1.017)	471698	53.994	53.994
	31 Hexachlorobutadiene	225.00	9.083	(1.026)	180273	55.914	55.914
	32 4-Chloro-3-Methylphenol	107.00	9.855	(1.113)	337778	52.419	52.419
	33 2-Methylnaphthalene	142.00	9.998	(1.129)	651236	54.531	54.531
	34 Hexachlorocyclopentadiene	237.00	10.276	(0.860)	168155	53.143	53.143
	35 2,4,6-Trichlorophenol	196.00	10.540	(0.882)	185406	52.517	52.517
	36 2,4,5-Trichlorphenol	196.00	10.640	(0.890)	222645	54.168	54.168
$	37 2-Fluorobiphenyl	172.00	10.676	(0.893)	720421	53.555	53.555
	38 2-Chloronaphthalene	162.00	10.869	(0.909)	622128	53.066	53.066
	39 2-Nitroaniline	138.00	11.119	(0.930)	280381	51.837	51.837
	40 Dimethylphthalate	163.00	11.505	(0.962)	741138	51.393	51.393
	41 Acenaphthylene	152.00	11.669	(0.976)	1009374	53.380	53.380
	2 2,6-Dinitrotoluene	165.00	11.605	(0.971)	183478	54.458	54.458
	43 3-Nitroaniline	138.00	11.955	(1.000)	201562	49.431	49.431
*	44 Acenaphthene-d10	164.00	11.955	(1.000)	353533	40.000	
	45 Acenaphthene	152.00	12.026	(1.006)	287802	52.195	52.195
	46 2,4-Dinitrophenol	184.00	12.162	(1.017)	76124	41.250	41.250
	47 4-Nitrophenol	109.00	12.497	(1.045)	76262	46.957	46.957
	48 Dibenzofuran	168.00	12.383	(1.036)	865473	52.406	52.406
	49 2,4-Dinitrotoluene	165.00	12.426	(1.039)	239883	52.654	52.654
	50 Fluorene	166.00	13.112	(1.097)	636373	51.062	51.062
	51 Diethylphthalate	149.00	12.997	(1.087)	737124	51.541	51.541
	52 4-Chlorophenyl-phenylether	204.00	13.162	(1.101)	323779	52.579	52.579
	53 4-Nitroaniline	138.00	13.269	(1.110)	201256	49.992	49.992
	54 4,6-Dinitro-o-cresol	198.00	13.305	(0.876)	124461	52.133	52.133
	55 N-nitrosodiphenylamine (1)	169.00	13.447	(0.886)	446897	52.236	52.236
	56 Azobenzene	77.00	13.512	(1.888)	882829	50.169	50.169
$	57 2,4,6-Tribromophenol	330.00	13.655	(1.142)	101082	52.202	52.202
	58 4-Bromophenyl-phenylether	248.00	14.240	(0.938)	165719	54.052	54.052
	9 Hexachlorobenzene	284.00	14.312	(0.943)	184937	53.376	53.376
	60 Pentachlorophenol	266.00	14.826	(0.976)	80741	43.349	43.349
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	519552	40.000	
	62 Phenanthrene	178.00	15.240	(1.004)	840917	51.084	51.084
	63 Anthracene	178.00	15.355	(1.011)	865012	52.987	52.987
	64 Di-n-butylphthalate	149.00	16.769	(1.104)	1211097	52.950	52.950
	65 Fluoranthene	202.00	17.997	(1.185)	825626	51.209	51.209
	66 Benzidine	184.00	18.440	(2.577)	192487	48.991	48.991
	67 Pyrene	202.00	18.512	(0.865)	824074	53.667	53.667
$	68 Terphenyl-d14	244.00	19.019	(0.889)	532325	54.669	54.669
	69 Butylbenzylphthalate	149.00	20.297	(0.948)	466724	53.969	53.969
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	634767	52.316	52.316
*	71 Chrysene-d12	240.00	21.404	(1.000)	323674	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.433	(1.001)	231946	53.310	53.310
	73 Chrysene	228.00	21.461	(1.003)	557778	53.310	53.310
	74 bis(2-Ethylhexyl)phthalate	149.00	21.754	(1.016)	632918	53.973	53.973
	75 Di-n-octylphthalate	149.00	23.233	(0.948)	1054628	64.385	64.385
	76 Benzo(b)fluoranthene	252.00	23.769	(0.969)	539090	58.896	58.896
	77 Benzo(k)fluoranthene	252.00	23.826	(0.972)	521371	61.037	61.037
	78 Benzo(a)pyrene	252.00	24.411	(0.996)	485348	61.100	61.100

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.519	(1.000)	250302	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.583	(1.084)	448003	59.364	59.364
81 Dibenzo(a,h)anthracene	278.00	26.647	(1.087)	437413	61.510	61.510
82 Benzo(g,h,i)perylene	276.00	27.133	(1.107)	437712	57.962	57.962

Data File: /chem/hp72a.i/090194.b/a1351.d
Date : 01-SEP-94 16:21
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000071



Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

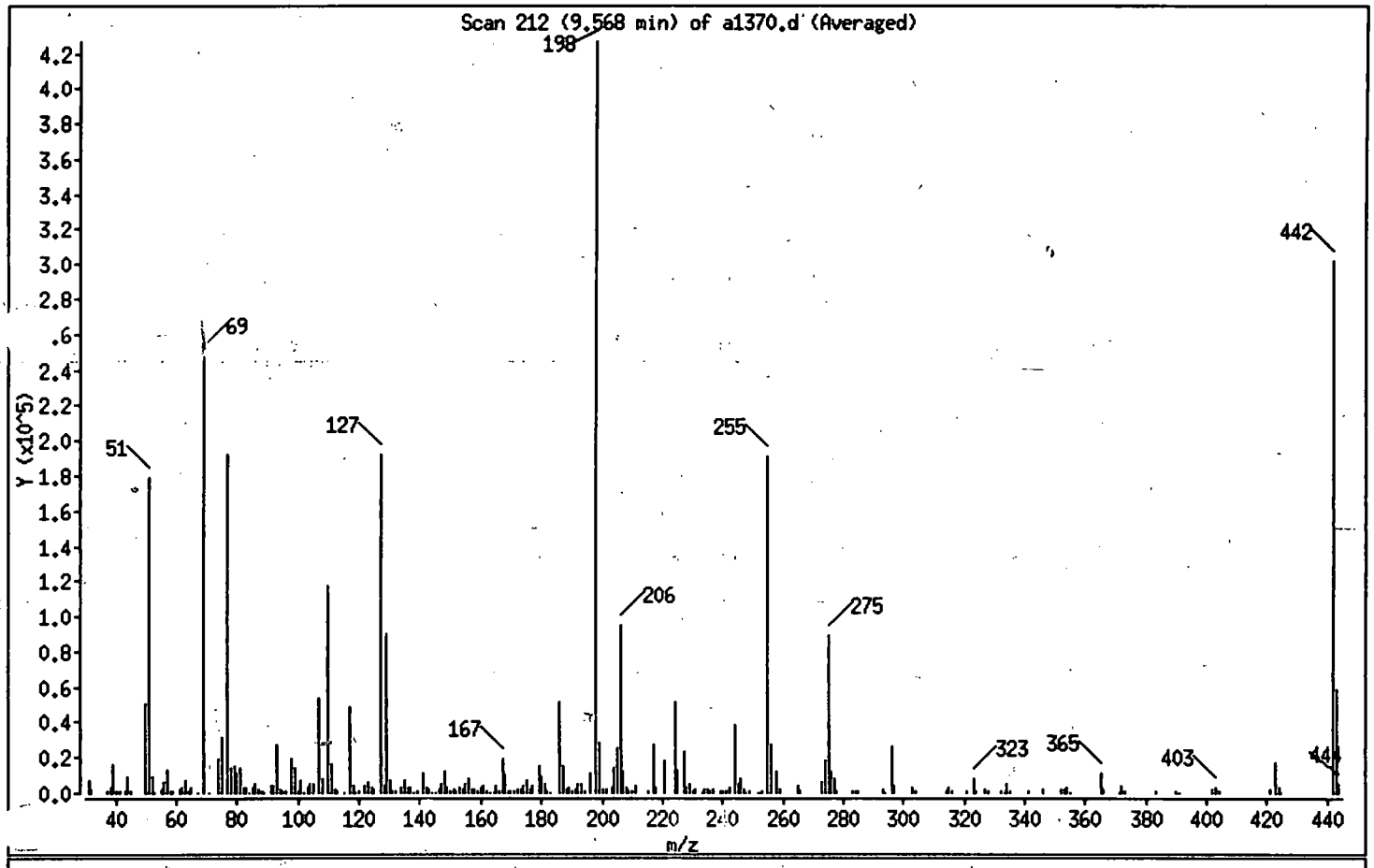
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	57.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.6
275	10.00 - 30.00% of mass 198	20.8
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	70.8
443	17.00 - 23.00% of mass 442	19.4

Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	7225	115.00	201	179.00	15369	258.00	11892
37.00	1103	117.00	48714	180.00	9570	259.00	1853
38.00	2844	118.00	3669	181.00	4556	265.00	4406
39.00	15518	119.00	171	182.00	559	266.00	695
40.00	814	120.00	746	183.00	170	273.00	5689
41.00	145	122.00	4331	186.00	52005	274.00	18194
45.00	28	123.00	6003	187.00	14836	275.00	88944
50.00	50509	124.00	3149	188.00	1691	276.00	11901
51.00	179413	125.00	2434	189.00	3460	277.00	7896
52.00	9359	127.00	192064	190.00	572	278.00	1232
53.00	181	128.00	4483	191.00	2064	283.00	737
55.00	1086	129.00	90061	192.00	4967	284.00	630
56.00	6262	130.00	7394	193.00	5050	285.00	1238
57.00	12233	131.00	1425	194.00	1042	293.00	1890
58.00	530	132.00	776	196.00	10892	294.00	167
61.00	2341	134.00	2607	198.00	426666	296.00	25930
62.00	2638	135.00	6678	199.00	28368	297.00	3573
63.00	6909	136.00	2528	200.00	2159	303.00	2730
64.00	1078	137.00	3139	202.00	1598	304.00	766
65.00	3366	138.00	361	203.00	3207	314.00	1177
67.00	395	139.00	681	204.00	[illegible]	315.00	3036
69.00	246998	141.00	10693	205.00	25120	316.00	1473
71.00	173	142.00	3478	206.00	94890	321.00	858
74.00	19184	143.00	2366	207.00	12052	323.00	7927
75.00	31458	144.00	435	208.00	3426	324.00	1479
77.00	192277	145.00	378	209.00	1184	327.00	1565
78.00	14046	146.00	2067	210.00	1449	328.00	886
79.00	15616	147.00	5390	211.00	4217	332.00	737
80.00	11127	148.00	12524	215.00	1227	333.00	295
81.00	13912	149.00	2610	217.00	26970	334.00	5389
82.00	3401	150.00	533	218.00	3496	335.00	1373
83.00	3308	151.00	1541	221.00	18029	341.00	965
84.00	359	152.00	633	224.00	51957	346.00	1888
85.00	3390	153.00	3324	225.00	13338	352.00	2402
86.00	4710	154.00	2394	227.00	23725	353.00	1761

Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1936	155.00	5318	228.00	3106	354.00	2589
88.00	811	156.00	8045	229.00	4853	355.00	180
89.00	168	157.00	1757	230.00	712	365.00	11617
91.00	3638	158.00	2022	231.00	1970	366.00	1750
92.00	4304	159.00	1499	233.00	184	371.00	216
93.00	27162	160.00	3418	234.00	1547	372.00	4173
94.00	1914	161.00	4500	235.00	1613	373.00	1098
95.00	711	162.00	1303	236.00	987	383.00	1144
96.00	1121	163.00	167	237.00	1569	390.00	654
98.00	19047	164.00	243	239.00	913	391.00	180
99.00	14106	165.00	4155	240.00	752	402.00	1821
100.00	1359	166.00	933	241.00	1237	403.00	2548
101.00	7239	167.00	18792	242.00	2602	404.00	944
102.00	261	168.00	10342	244.00	38893	421.00	2234
103.00	2678	169.00	1502	245.00	5435	423.00	16737
104.00	4850	170.00	660	246.00	8149	424.00	3128
105.00	4796	171.00	729	247.00	1695	425.00	192
107.00	53469	172.00	1783	248.00	176	442.00	301888
108.00	8447	173.00	2304	249.00	1282	443.00	58445
110.00	117309	174.00	4027	252.00	178	444.00	5531
111.00	16013	175.00	7068	253.00	1108		
112.00	2263	176.00	2033	255.00	191488		
113.00	744	177.00	3705	256.00	27688		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.937	0.010	5.6	500.0
	2 Pyridine	2.361	2.351	0.010	0.4	500.0
$	3 2-Fluorophenol	1.763	1.816	0.010	3.0	500.0
$	4 Phenol-d6	1.626	1.682	0.010	3.5	500.0
	5 Aniline	2.401	2.480	0.010	3.3	500.0
	6 Phenol	2.026	2.126	0.010	4.9	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.666	0.010	2.3	500.0
	8 2-Chlorophenol	1.563	1.630	0.010	4.3	500.0
	9 1,3-Dichlorobenzene	1.588	1.711	0.010	7.7	500.0
	11 1,4-Dichlorobenzene	1.536	1.638	0.010	6.6	30.0
	12 Benzyl alcohol	1.020	1.010	0.010	1.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.4	500.0
	14 2-Methylphenol	1.426	1.420	0.010	0.4	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.316	0.010	4.5	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.317	0.050	0.9	500.0
	18 Hexachloroethane	0.567	0.602	0.010	6.2	500.0
$	19 Nitrobenzene-d5	0.486	0.539	0.010	10.8	500.0
	20 Nitrobenzene	0.474	0.551	0.010	16.3	500.0
	21 Isophorone	0.979	0.980	0.010	0.1	500.0
	22 2-Nitrophenol	0.296	0.317	0.010	7.3	30.0
	23 2,4-Dimethyphenol	0.338	0.359	0.010	6.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.612	0.010	4.7	500.0
	25 Benzoic Acid	0.791	0.638	0.010	19.4	500.0
	26 2,4-Dichlorophenol	0.305	0.332	0.010	8.7	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.377	0.010	13.1	500.0
	29 Naphthalene	1.096	1.196	0.010	9.2	500.0
	30 4-Chloroaniline	0.495	0.538	0.010	8.7	500.0
	31 Hexachlorobutadiene	0.183	0.211	0.010	15.5	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.379	0.010	3.9	30.0
	33 2-Methylnaphthalene	0.677	0.730	0.010	7.9	500.0
	34 Hexachlorocyclopentadiene	0.358	0.380	0.050	6.2	500.0
	35 2,4,6-Trichlorophenol	0.399	0.410	0.010	2.5	30.0
	36 2,4,5-Trichlorphenol	0.465	0.491	0.010	5.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.650	0.010	8.4	500.0
	38 2-Chloronaphthalene	1.326	1.428	0.010	7.7	500.0
	39 2-Nitroaniline	0.612	0.598	0.010	2.2	500.0
	40 Dimethylphthalate	1.632	1.620	0.010	0.7	500.0
	41 Acenaphthylene	2.139	2.250	0.010	5.2	500.0
	42 2,6-Dinitrotoluene	0.381	0.400	0.010	5.0	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.434	0.010	5.9	500.0
	45 Acenaphthene	0.624	0.643	0.010	3.0	30.0
	46 2,4-Dinitrophenol	0.209	0.120	0.050	42.5	500.0
	47 4-Nitrophenol	0.184	0.154	0.050	16.1	500.0
	48 Dibenzofuran	1.860	1.898	0.010	1.6	500.0
	49 2,4-Dinitrotoluene	0.515	0.522	0.010	1.4	500.0
	50 Fluorene	1.410	1.425	0.010	1.0	500.0
	51 Diethylphthalate	1.618	1.669	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.720	0.010	3.3	500.0
	53 4-Nitroaniline	0.455	0.415	0.010	8.9	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.177	0.010	3.8	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.676	0.010	2.7	30.0
	56 Azobenzene	3.399	3.217	0.010	5.3	500.0
$	57 2,4,6-Tribromophenol	0.210	0.214	0.010	2.2	500.0
	58 4-Bromophenyl-phenylether	0.236	0.254	0.010	7.8	500.0
	59 Hexachlorobenzene	0.267	0.287	0.010	7.5	500.0
	60 Pentachlorophenol	0.143	0.104	0.010	27.8	30.0
	62 Phenanthrene	1.267	1.297	0.010	2.3	500.0
	63 Anthracene	1.257	1.302	0.010	3.6	500.0
	64 Di-n-butylphthalate	1.761	1.855	0.010	5.3	500.0
	65 Fluoranthene	1.241	1.280	0.010	3.1	30.0
	66 Benzidine	0.759	0.715	0.010	5.8	500.0
	67 Pyrene	1.898	1.996	0.010	5.2	500.0
$	68 Terphenyl-d14	1.203	1.286	0.010	6.9	500.0
	69 Butylbenzylphthalate	1.069	1.137	0.010	6.4	500.0
	70 Benzo(a)anthracene	1.499	1.563	0.010	4.3	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.563	0.010	4.8	500.0
	73 Chrysene	1.293	1.380	0.010	6.7	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.541	0.010	6.3	500.0
	75 Di-n-octylphthalate	2.618	3.318	0.010	26.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.708	0.010	16.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.695	0.010	24.2	500.0
	78 Benzo(a)pyrene	1.269	1.565	0.010	23.3	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.412	0.010	17.1	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.410	0.010	24.1	500.0
	82 Benzo(g,h,i)perylene	1.207	1.449	0.010	20.1	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1371.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-1994 08:15 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 02-Sep-1994 10:18 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.359)	201767	52.797	52.797
	2 Pyridine	79.00	2.595	(0.000)	506100	49.798	49.798(M)
$	3 2-Fluorophenol	112.00	5.502	(0.770)	390995	51.510	51.510
$	4 Phenol-d6	99.00	6.838	(0.957)	362083	51.735	51.735
	5 Aniline	93.00	6.745	(0.944)	533885	51.658	51.658
	6 Phenol	94.00	6.852	(0.959)	457545	52.461	52.461
	7 bis(-2-Chloroethyl)Ether	93.00	6.838	(0.957)	358642	51.132	51.132
	8 2-Chlorophenol	128.00	6.924	(0.969)	350813	52.131	52.131
	9 1,3-Dichlorobenzene	146.00	7.067	(0.989)	368352	53.868	53.868
	0 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	172205	40.000	
	11 1,4-Dichlorobenzene	146.00	7.167	(1.003)	352539	53.323	53.323
	12 Benzyl alcohol	108.00	7.381	(1.033)	217360	49.510	49.510
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	348255	54.176	54.176
	14 2-Methylphenol	108.00	7.574	(1.060)	305674	49.807	49.807
	15 Bis(2-chloroisopropyl)ether	45.00	7.517	(1.052)	455158	52.051	52.051
	16 3- & 4-Methylphenol	108.00	7.781	(1.089)	566420	104.512	104.512
	17 N-Nitroso-di-n-propylamine	70.00	7.695	(1.077)	283487	50.459	50.459
	18 Hexachloroethane	117.00	7.774	(1.088)	129638	53.080	53.080
$	19 Nitrobenzene-d5	82.00	7.859	(0.889)	389079	55.389	55.389
	20 Nitrobenzene	77.00	7.888	(0.892)	398252	58.140	58.140
	21 Isophorone	82.00	8.224	(0.930)	707731	50.064	50.064
	22 2-Nitrophenol	139.00	8.309	(0.939)	229170	53.675	53.675
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	259280	53.138	53.138
	24 bis(-2-Chloroethoxy)methane	93.00	8.531	(0.964)	441838	52.346	52.346
	25 Benzoic Acid	122.00	8.717	(1.220)	137286	40.320	40.320
	26 2,4-Dichlorophenol	162.00	8.702	(0.984)	239785	54.360	54.360
	27 1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	271965	56.544	56.544
*	28 Naphthalene-d8	136.00	8.845	(1.000)	577777	40.000	
	29 Naphthalene	128.00	8.874	(1.003)	863948	54.576	54.576

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.995	(1.017)	388343	54.326	54.326
	31 Hexachlorobutadiene	225.00	9.067	(1.025)	152413	57.772	57.772
	32 4-Chloro-3-Methylphenol	107.00	9.845	(1.113)	273871	51.942	51.942
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	527303	53.960	53.960
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	135357	53.078	53.078
	35 2,4,6-Trichlorophenol	196.00	10.531	(0.882)	145852	51.261	51.261
	36 2,4,5-Trichlorphenol	196.00	10.631	(0.890)	174746	52.751	52.751
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	587526	54.192	54.192
	38 2-Chloronaphthalene	162.00	10.859	(0.910)	508748	53.843	53.843
	39 2-Nitroaniline	138.00	11.109	(0.931)	213125	48.890	48.890
	40 Dimethylphthalate	163.00	11.488	(0.962)	576911	49.637	49.637
	41 Acenaphthylene	152.00	11.652	(0.976)	801301	52.579	52.579
	2 2,6-Dinitrotoluene	165.00	11.595	(0.971)	142552	52.498	52.498
	43 3-Nitroaniline	138.00	11.938	(1.000)	154602	47.044	47.044
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	284930	40.000	
	45 Acenaphthene	152.00	12.009	(1.006)	228838	51.494	51.494
	46 2,4-Dinitrophenol	184.00	12.152	(1.018)	42749	28.742	28.742
	47 4-Nitrophenol	109.00	12.495	(1.047)	54883	41.930	41.930
	48 Dibenzofuran	168.00	12.374	(1.036)	676128	50.798	50.798
	49 2,4-Dinitrotoluene	165.00	12.409	(1.039)	186089	50.681	50.681
	50 Fluorene	166.00	13.102	(1.098)	507453	50.521	50.521
	51 Diethylphthalate	149.00	12.981	(1.087)	594271	51.557	51.557
	52 4-Chlorophenyl-phenylether	204.00	13.152	(1.102)	256411	51.664	51.664
	53 4-Nitroaniline	138.00	13.245	(1.109)	147822	45.560	45.560
	54 4,6-Dinitro-o-cresol	198.00	13.281	(0.876)	89078	48.106	48.106
	55 N-nitrosodiphenylamine (1)	169.00	13.431	(0.886)	340656	51.336	51.336
	56 Azobenzene	77.00	13.495	(1.889)	692500	47.328	47.328
$	57 2,4,6-Tribromophenol	330.00	13.638	(1.142)	76316	48.901	48.901
	58 4-Bromophenyl-phenylether	248.00	14.224	(0.938)	128160	53.894	53.894
	9 Hexachlorobenzene	284.00	14.295	(0.943)	144504	53.771	53.771
	60 Pentachlorophenol	266.00	14.809	(0.976)	52169	36.111	36.111(M)
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	402979	40.000	
	62 Phenanthrene	178.00	15.223	(1.004)	653401	51.175	51.175
	63 Anthracene	178.00	15.338	(1.011)	655980	51.806	51.806
	64 Di-n-butylphthalate	149.00	16.752	(1.105)	934396	52.670	52.670
	65 Fluoranthene	202.00	17.988	(1.186)	644624	51.549	51.549
	66 Benzidine	184.00	18.431	(2.579)	153928	47.116	47.116
	67 Pyrene	202.00	18.495	(0.865)	656550	52.605	52.605
$	68 Terphenyl-d14	244.00	19.002	(0.888)	422831	53.425	53.425
	69 Butylbenzylphthalate	149.00	20.280	(0.948)	374043	53.213	53.213
	70 Benzo(a)anthracene	228.00	21.359	(0.999)	514082	52.128	52.128
*	71 Chrysene-d12	240.00	21.388	(1.000)	263081	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.416	(1.001)	185292	52.396	52.396
	73 Chrysene	228.00	21.445	(1.003)	453757	53.357	53.357
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	506622	53.154	53.154
	75 Di-n-octylphthalate	149.00	23.216	(0.947)	846634	63.377	63.377
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	435908	58.394	58.394
	77 Benzo(k)fluoranthene	252.00	23.809	(0.971)	432557	62.092	62.092
	78 Benzo(a)pyrene	252.00	24.402	(0.996)	399397	61.652	61.652

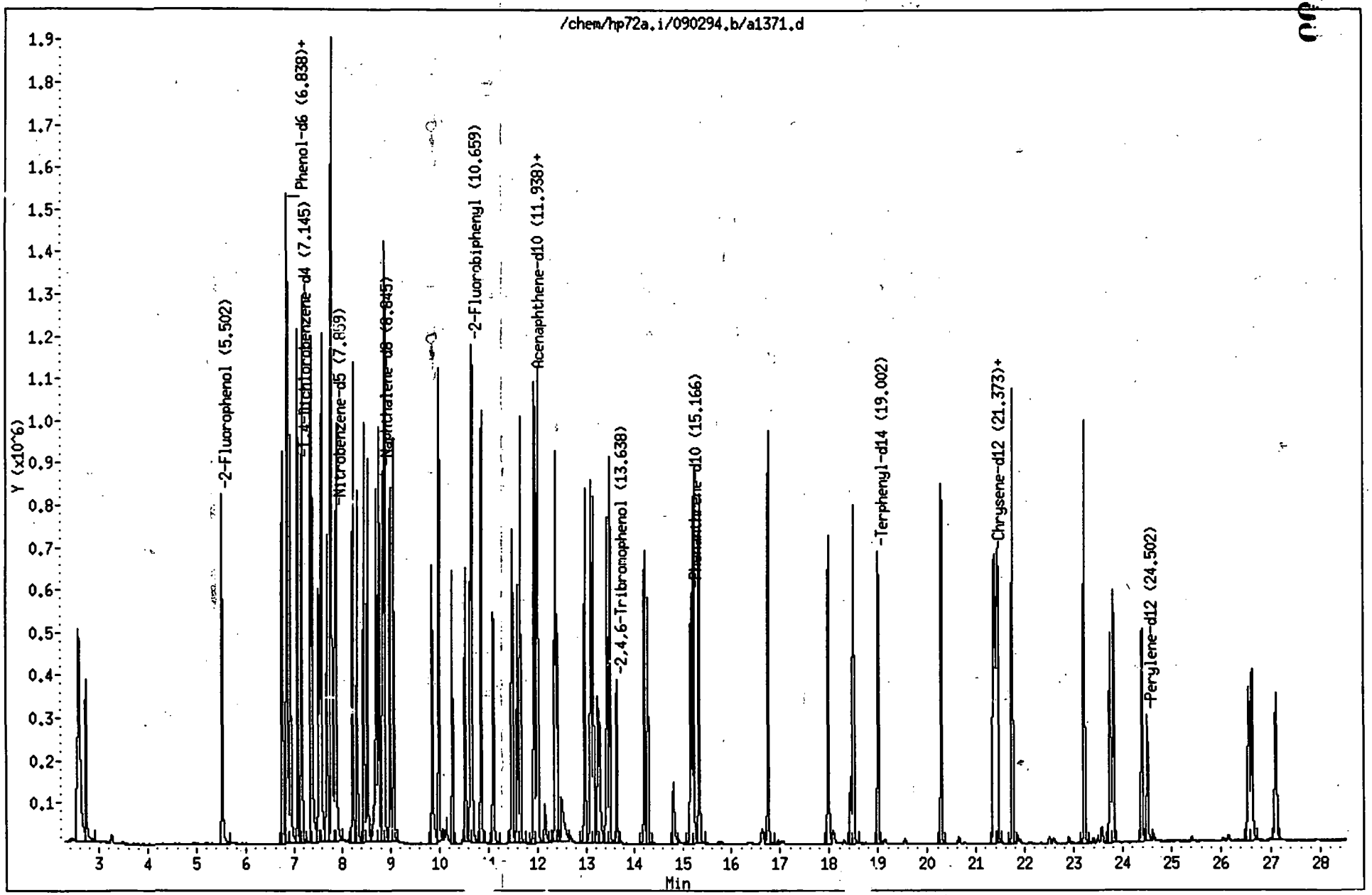
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)'	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	204133	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.084)	360374	58.553	58.553
81 Dibenzo(a,h)anthracene	278.00	26.630	(1.087)	359883	62.054	62.054
82 Benzo(g,h,i)perylene	276.00	27.109	(1.106)	369852	60.052	60.052

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/090294.b/a1371.d
Date : 02-SEP-1994 08:15
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

090080



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1365.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-21

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
0 1,4-Dichlorobenzene-	207101	103550	414202	246336	18.94
8 Naphthalene-d8	706108	353054	1412216	850928	20.51
44 Acenaphthene-d10	353533	176766	707066	453084	28.16
61 Phenanthrene-d10	519552	259776	1039104	635481	22.31
71 Chrysene-d12	323674	161837	647348	452255	39.73
79 Perylene-d12	250302	125151	500604	349167	39.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.09
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.13
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.05
1 Chrysene-d12	21.40	20.90	21.90	21.39	-0.07
9 Perylene-d12	24.52	24.02	25.02	24.52	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1366.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 08.26-24

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	214948	3.79
28 Naphthalene-d8	706108	353054	1412216	687241	-2.67
44 Acenaphthene-d10	353533	176766	707066	360067	1.85
61 Phenanthrene-d10	519552	259776	1039104	503433	-3.10
71 Chrysene-d12	323674	161837	647348	360128	11.26
79 Perylene-d12	250302	125151	500604	282981	13.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.13
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.11
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.14
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.11
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1360.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-25

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	196714	-5.02
28 Naphthalene-d8	706108	353054	1412216	670931	-4.98
44 Acenaphthene-d10	353533	176766	707066	350571	-0.84
61 Phenanthrene-d10	519552	259776	1039104	451762	-13.05
71 Chrysene-d12	323674	161837	647348	302981	-6.39
79 Perylene-d12	250302	125151	500604	230375	-7.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.17
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.12
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.14
79 Perylene-d12	24.52	24.02	25.02	24.50	-0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1361.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-26

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	231881	11.97
28 Naphthalene-d8	706108	353054	1412216	759231	7.52
44 Acenaphthene-d10	353533	176766	707066	416674	17.86
61 Phenanthrene-d10	519552	259776	1039104	592225	13.99
71 Chrysene-d12	323674	161837	647348	428801	32.48
79 Perylene-d12	250302	125151	500604	332861	32.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.17
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.13
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1364.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-17

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	233410	12.70
28 Naphthalene-d8	706108	353054	1412216	769191	8.93
44 Acenaphthene-d10	353533	176766	707066	422692	19.56
61 Phenanthrene-d10	519552	259776	1039104	591791	13.90
71 Chrysene-d12	323674	161837	647348	428675	32.44
79 Perylene-d12	250302	125151	500604	332673	32.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.05
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.09
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.07
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.08
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1362.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-21MS

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	120421	-41.85
28 Naphthalene-d8	706108	353054	1412216	398128	-43.62
44 Acenaphthene-d10	353533	176766	707066	212081	-40.01
61 Phenanthrene-d10	519552	259776	1039104	304826	-41.33
71 Chrysene-d12	323674	161837	647348	237283	-26.69
79 Perylene-d12	250302	125151	500604	187662	-25.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.05
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.15
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.12
71 Chrysene-d12	21.40	20.90	21.90	21.37	-0.15
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1363.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0816-11 MSD

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	191749	-7.41
28 Naphthalene-d8	706108	353054	1412216	662594	-6.16
44 Acenaphthene-d10	353533	176766	707066	348052	-1.55
61 Phenanthrene-d10	519552	259776	1039104	486713	-6.32
71 Chrysene-d12	323674	161837	647348	340290	5.13
79 Perylene-d12	250302	125151	500604	259039	3.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.04
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.09
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.07
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1386.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0829SBLK02/1000;1/S-1/BNA

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	107940	-37.32
28 Naphthalene-d8	577777	288888	1155554	362146	-37.32
44 Acenaphthene-d10	284930	142465	569860	190478	-33.15
61 Phenanthrene-d10	402979	201489	805958	278696	-30.84
71 Chrysene-d12	263081	131540	526162	220834	-16.06
79 Perylene-d12	204133	102066	408266	176774	-13.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.93	-0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.16	-0.04
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.06
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1386.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 19:30 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SBLK02/1000;1/S-1/BNA
Misc Info : 0829SBLK02/1000;1/S-1/BNA
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 18
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2868	1.134	1.134(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.510	(0.771)	225624	46.031	46.031
$	4 Phenol-d6	99.00	6.839	(0.957)	158694	34.961	34.961
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	107940	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.853	(0.888)	180453	36.998	36.998
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	362146	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.653	(0.893)	271990	34.625	34.625
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.932	(1.000)	190478	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.143)	59814	58.621	58.621
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.160	(1.000)	278696	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.003	(0.889)	272721	38.419	38.419
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.374	(1.000)	220834	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.731	(1.017)	4832	0.568	0.568(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

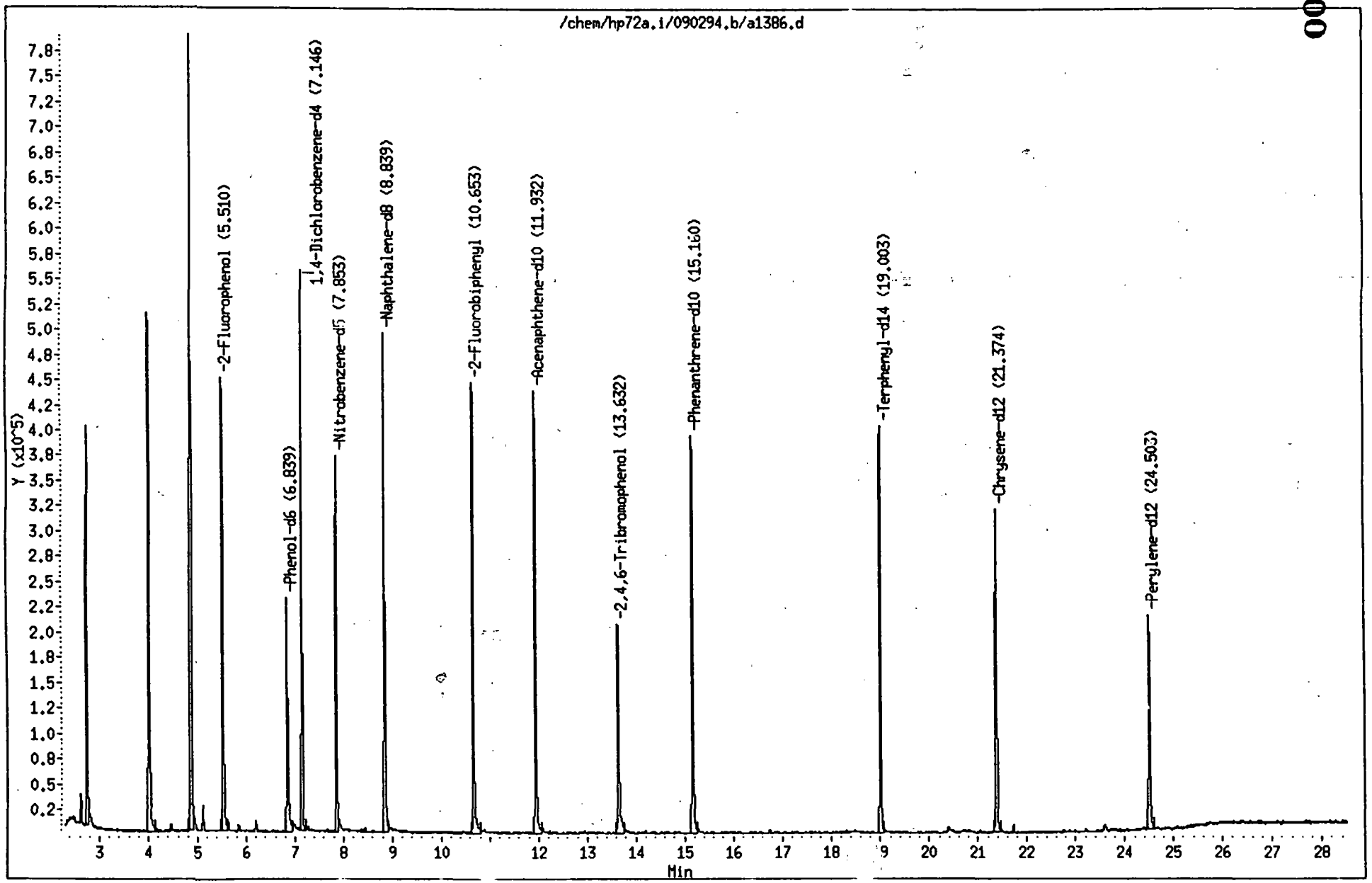
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.503	(1.000)	176774	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/hp72a.i/090294.b/a1386.d
Date : 02-SEP-94 19:30
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

2600000



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090194.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-21MS

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	100.000	21.244	21.24	12-89
8	2-Chlorophenol	100.000	43.154	43.15	27-123
11	1,4-Dichlorobenzen	50.000	31.306	62.61	36-97
17	N-Nitroso-di-n-pro	50.000	30.787	61.57	41-116
27	1,2,4-Trichloroben	50.000	30.710	61.42	39-98
32	4-Chloro-3-Methylp	100.000	36.332	36.33	23-97
45	Acenaphthene	50.000	31.646	63.29	46-118
47	4-Nitrophenol	100.000	32.554	32.55	10-80
49	2,4-Dinitrotoluene	50.000	28.808	57.62	24-96
60	Pentachlorophenol	100.000	20.883	20.88	9-103
67	Pyrene	50.000	30.442	60.88	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	100.000	27.656	27.66	21-100
$ 4	Phenol-d6	100.000	23.049	23.05	10-94
$ 19	Nitrobenzene-d5	50.000	32.217	64.43	35-114
$ 37	2-Fluorobiphenyl	50.000	30.905	61.81	43-116
$ 57	2,4,6-Tribromophen	100.000	41.495	41.50	10-123
$ 68	Terphenyl-d14	50.000	30.245	60.49	33-141

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090194.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-21 MSD

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	100.000	25.648	25.65	12-89
8	2-Chlorophenol	100.000	48.491	48.49	27-123
11	1,4-Dichlorobenzen	50.000	32.819	65.64	36-97
17	N-Nitroso-di-n-pro	50.000	33.573	67.15	41-116
27	1,2,4-Trichloroben	50.000	32.148	64.30	39-98
32	4-Chloro-3-Methylp	100.000	39.584	39.58	23-97
45	Acenaphthene	50.000	32.322	64.64	46-118
47	4-Nitrophenol	100.000	37.513	37.51	10-80
49	2,4-Dinitrotoluene	50.000	31.136	62.27	24-96
60	Pentachlorophenol	100.000	26.796	26.80	9-103
67	Pyrene	50.000	32.683	65.37	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	100.000	31.389	31.39	21-100
$ 4	Phenol-d6	100.000	28.370	28.37	10-94
$ 19	Nitrobenzene-d5	50.000	35.689	71.38	35-114
$ 37	2-Fluorobiphenyl	50.000	30.898	61.80	43-116
$ 57	2,4,6-Tribromophen	100.000	43.433	43.43	10-123
$ 68	Terphenyl-d14	50.000	31.822	63.64	33-141

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260022
CLIENT ID : SBA-MW03 MS
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 16:20 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260022
CLIENT ID : SBA-MW03 MS
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 16:20 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1362.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 23:11 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-21MS/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 13 QC Sample: MS
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	5148	1.860	1.860(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.523	(0.772)	153785	27.656	27.656
$	4 Phenol-d6	99.00	6.844	(0.957)	120074	23.049	23.049
	5 Aniline	93.00	6.923	(0.968)	4602	0.600	0.600(aQ)
	6 Phenol	94.00	6.858	(0.959)	136445	21.244	21.244
	7 bis(-2-Chloroethyl)Ether	93.00	6.923	(0.968)	4602	0.899	0.899(aQ)
	8 2-Chlorophenol	128.00	6.923	(0.968)	214431	43.154	43.154
	9 1,3-Dichlorobenzene	146.00	7.173	(1.003)	157192	30.416	30.416
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	120421	40.000	
	11 1,4-Dichlorobenzene	146.00	7.173	(1.003)	157192	31.306	31.306
	12 Benzyl alcohol	108.00	7.173	(1.003)	725	0.223	0.223(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.173	(1.003)	157192	32.278	32.278
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.680	(1.074)	124789	30.787	30.787
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.858	(0.889)	170664	32.217	32.217
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.765	(0.991)	114188	30.710	30.710
*	28 Naphthalene-d8	136.00	8.844	(1.000)	398128	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.851	(1.114)	138388	36.332	36.332
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.658	(0.893)	267126	30.905	30.905
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.001	(1.005)	109273	9.023	9.023(Ta)
	? 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	212081	40.000	
	45 Acenaphthene	152.00	12.001	(1.005)	109273	31.646	31.646
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.501	(1.047)	29786	32.554	32.554
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.401	(1.039)	82912	28.808	28.808
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	50324	41.495	41.495
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	) Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.801	(0.976)	19785	20.883	20.883
*	61 Phenanthrene-d10	188.00	15.165	(1.000)	304826	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.751	(1.105)	461215	32.454	32.454
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.494	(0.865)	367818	30.442	30.442
$	68 Terphenyl-d14	244.00	19.001	(0.889)	236061	30.245	30.245
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.372	(1.000)	237283	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.736	(1.017)	27672	2.982	2.982(a)
	75 Di-n-octylphthalate	149.00	23.222	(0.948)	5537	0.350	0.350(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	187662	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

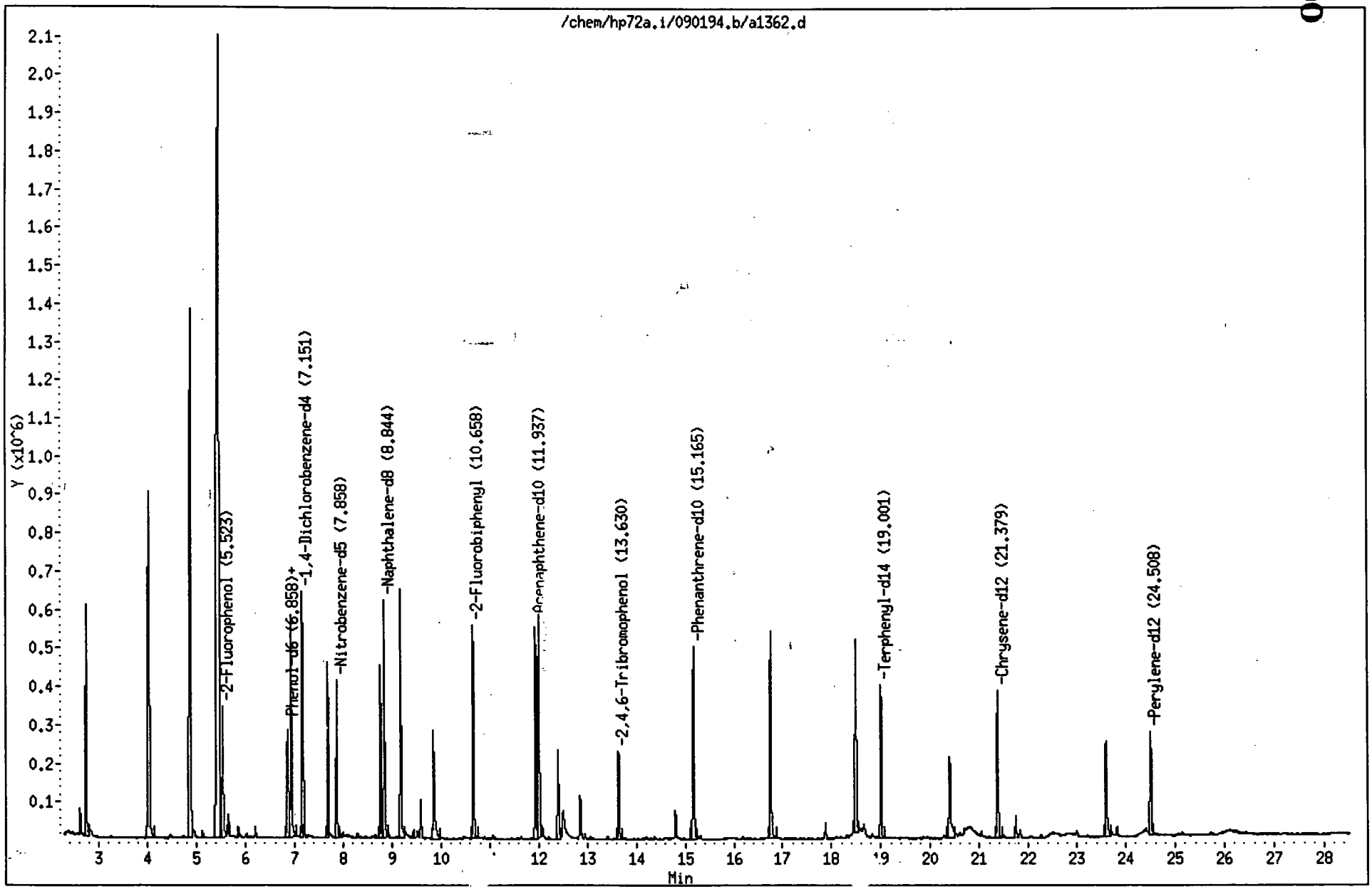
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1362.d
Date : 01-SEP-94 23:11
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000100



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260023
CLIENT ID : SBA-MW03(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 16:25 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000101

Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260023
CLIENT ID : SBA-MW03(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: lgb ANALYSIS DATE: 09/01/94 METHOD: 8270
ANALYSIS TIME: 16:25 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1363.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 23:49 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-21MSD/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	3614	0.820	0.820(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.530	(0.773)	277928	31.389	31.389
$	4 Phenol-d6	99.00	6.837	(0.956)	235343	28.370	28.370
	5 Aniline	93.00	6.923	(0.968)	8220	0.673	0.673(aQ)
	6 Phenol	94.00	6.859	(0.959)	262300	25.648	25.648
	7 bis(-2-Chloroethyl)Ether	93.00	6.923	(0.968)	8220	1.008	1.008(aQ)
	8 2-Chlorophenol	128.00	6.923	(0.968)	383665	48.491	48.491
	9 1,3-Dichlorobenzene	146.00	7.173	(1.003)	262403	31.887	31.887
	1,4-Dichlorobenzene-d4	152.00	7.152	(1.000)	191749	40.000	
	11 1,4-Dichlorobenzene	146.00	7.173	(1.003)	262403	32.819	32.819
	12 Benzyl alcohol	108.00	7.173	(1.003)	2267	0.438	0.438(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.173	(1.003)	262403	33.839	33.839
	14 2-Methylphenol	108.00	7.173	(1.003)	2267	0.324	0.324(TaQ)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.687	(1.075)	216680	33.573	33.573
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.859	(0.889)	314641	35.689	35.689
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	8.609	(1.204)	1338	0.351	0.351(aQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.766	(0.991)	198943	32.148	32.148
*	28 Naphthalene-d8	136.00	8.844	(1.000)	662594	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.173	(1.037)	24789	2.800	2.800(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.852	(1.114)	250930	39.584	39.584
	33 2-Methylnaphthalene	142.00	9.852	(1.114)	193808	15.857	15.857(Q)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.892)	438288	30.898	30.898
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.009	(1.005)	183165	9.216	9.216(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	348052	40.000	
	45 Acenaphthene	152.00	12.009	(1.005)	183165	32.322	32.322
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.501	(1.047)	56330	37.513	37.513
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.409	(1.039)	147062	31.136	31.136
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	86445	43.433	43.433
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.801	(0.976)	40536	26.796	26.796
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	486713	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.759	(1.105)	828707	36.521	36.521
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.494	(0.865)	566320	32.683	32.683
$	68 Terphenyl-d14	244.00	19.008	(0.889)	356181	31.822	31.822
	69 Butylbenzylphthalate	149.00	20.280	(0.949)	13926	1.419	1.419(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.380	(1.000)	340290	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.017)	60033	4.511	4.511(a)
	75 Di-n-octylphthalate	149.00	23.223	(0.948)	18822	0.862	0.862(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	259039	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

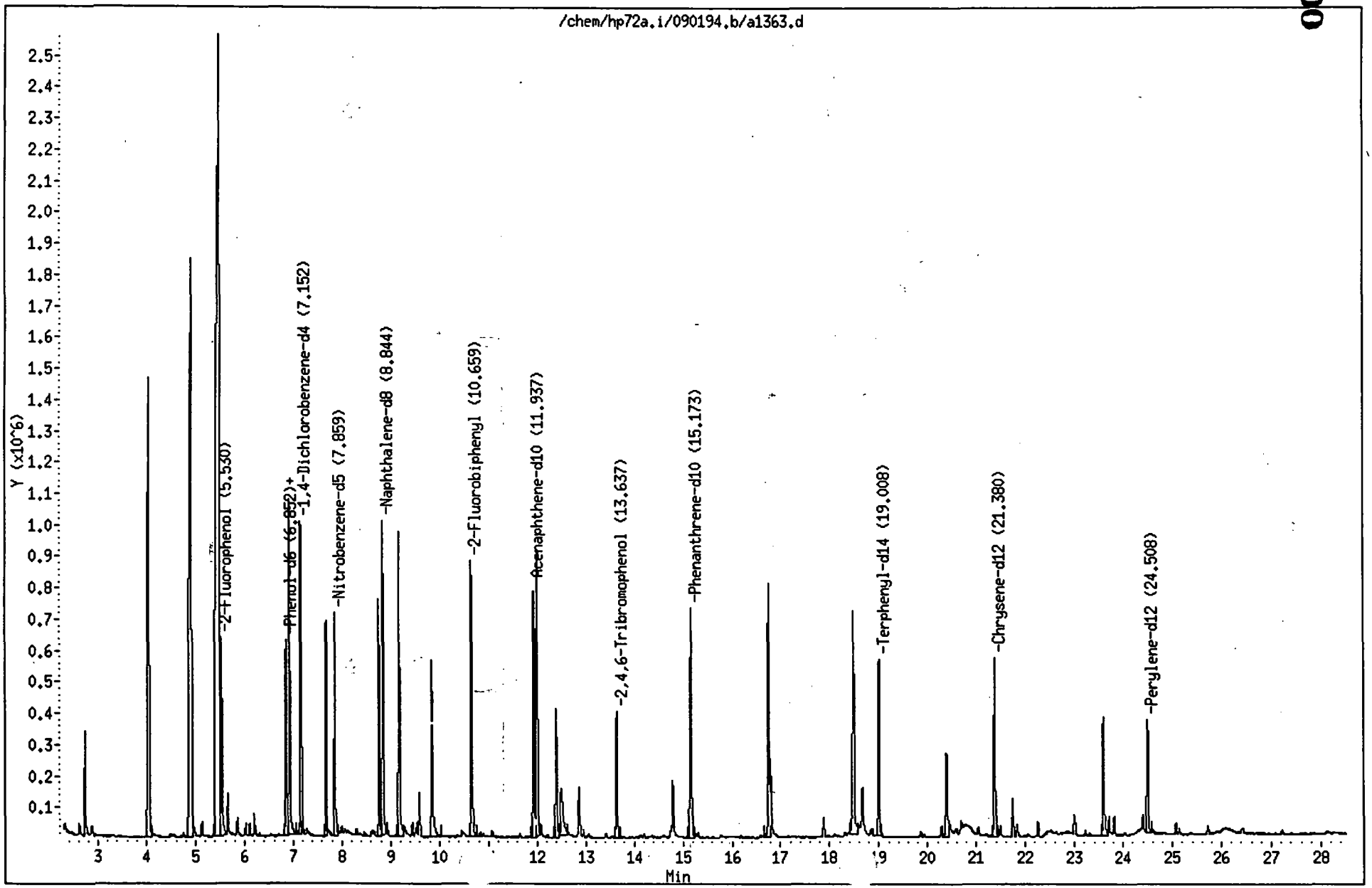
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1363.d
Date : 01-SEP-94 23:49
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000106



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260021
CLIENT ID : SBA-MW03
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 14:48
METHOD: 8240
PREP REQ : N
PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	5
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

QUANT REPORT

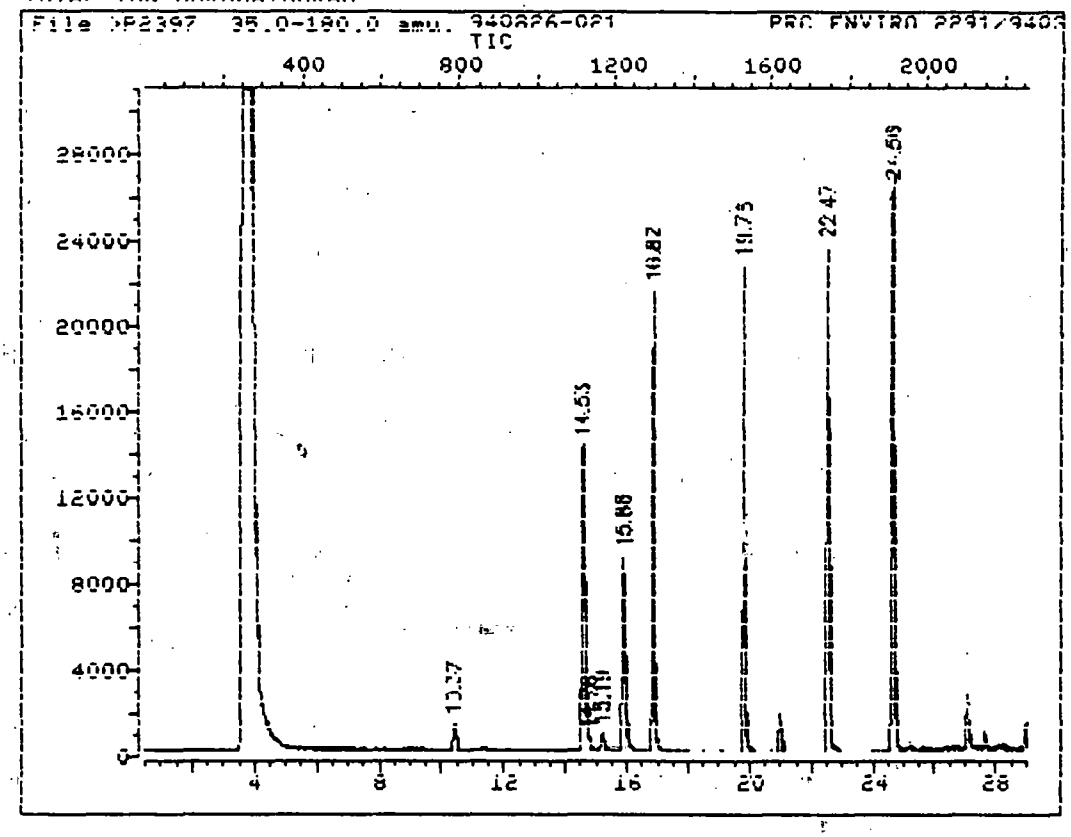
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940902 15:18
Output File: ^F239?::D1 Injected at: 940902 14:48
Data File: >F239?:=D2 Dilution Factor: 1.00000
Name: 940826-021
Misc: PRC ENVIRO 2291/940301?/NEAT/J5

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.53	1115	10452	50.00	PPB	3
11)	Methylene chloride	10.37	?85	1864	~~4.69~~	PPB	??
18)	Chloroform	14.?6	1133	254	~~.34~~	PPB	9?
19)	1,1,1-Trichloroethane	15.19	1167	2057	~~3.53~~	PPB	9?
20)	*1,4-DIFLUOROBENZENE	16.82	1296	48820	50.00	PPB	8?
22)	1,2-DICHLOROETHANE-D4	15.86	1220	19279	49.60 99	PPB	8?
31)	TOLUENE-D8	19.?6	1529	43032	52.25 105	PPB	9?
35)	*CHLOROBENZENE-D5	22.47	1?44	36139	50.00	PPB	8?
36)	Tetrachloroethene	20.94	1623	1189	~~3.11~~	PPB	9?
46)	BROMOFLUOROBENZENE	24.?6	1910	33472	56.06 112	PPB	6?

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2397::D2 Quant Output File: ^P2397::D1
Name: 940826-021
Misc: PRC ENVIRO 2291/9403017/NEAT/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

Operator ID BUBBA
Quant Time: 940902 15:18
Injected at: 940902 14:48

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260024
CLIENT ID : SBA-MW02A
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: hjp ANALYSIS DATE: 09/03/94 METHOD: 8240
ANALYSIS TIME: 19:34 PREP REQ : N PREP DATE :

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	<	DL	1	5
Bromoform	<	DL	1	5
Carbon tetrachloride	<	DL	1	5
Chlorobenzene	<	DL	1	5
Chlorodibromomethane	<	DL	1	5
Chloroethane	<	DL	1	5
2-Chloroethylvinyl ether	<	DL	1	5
Chloroform	<	DL	1	5
1,2-Dichlorobenzene	<	DL	1	5
1,4-Dichlorobenzene	<	DL	1	5
1,3-Dichlorobenzene	<	DL	1	5
Dichlorobromomethane	<	DL	1	5
1,1-Dichloroethane	<	DL	1	5
1,2-Dichloroethane	<	DL	1	5
1,1-Dichloroethene	<	DL	1	5
trans-1,2-Dichloroethene	<	DL	1	5
1,2-Dichloropropane	<	DL	1	5
1,3-Dichloropropylene	<	DL	1	5
trans-1,3-Dichloropropene	<	DL	1	5
Ethylbenzene	<	DL	1	5
Methyl bromide	<	DL	1	5
Methyl chloride	<	DL	1	5
Methylene chloride	<	DL	1	10
1,1,2,2-Tetrachloroethane	<	DL	1	5
Tetrachloroethene	<	DL	1	5
Toluene	<	DL	1	5
1,1,1-Trichloroethane	<	DL	1	5
1,1,2-Trichloroethane	<	DL	1	5
Trichloroethene	<	DL	1	5
Trichlorofluoromethane	<	DL	1	5
Vinyl chloride	<	DL	1	5
Total Xylene	<	DL	1	5

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 20:04
Output File: ^P2434::D1 Injected at: 940903 19:34
Data File: >P2434::D2 Dilution Factor: 1.00000
Name: 940826-024
Misc: PRC ENVIRO 2291/940301//NEAT/JS

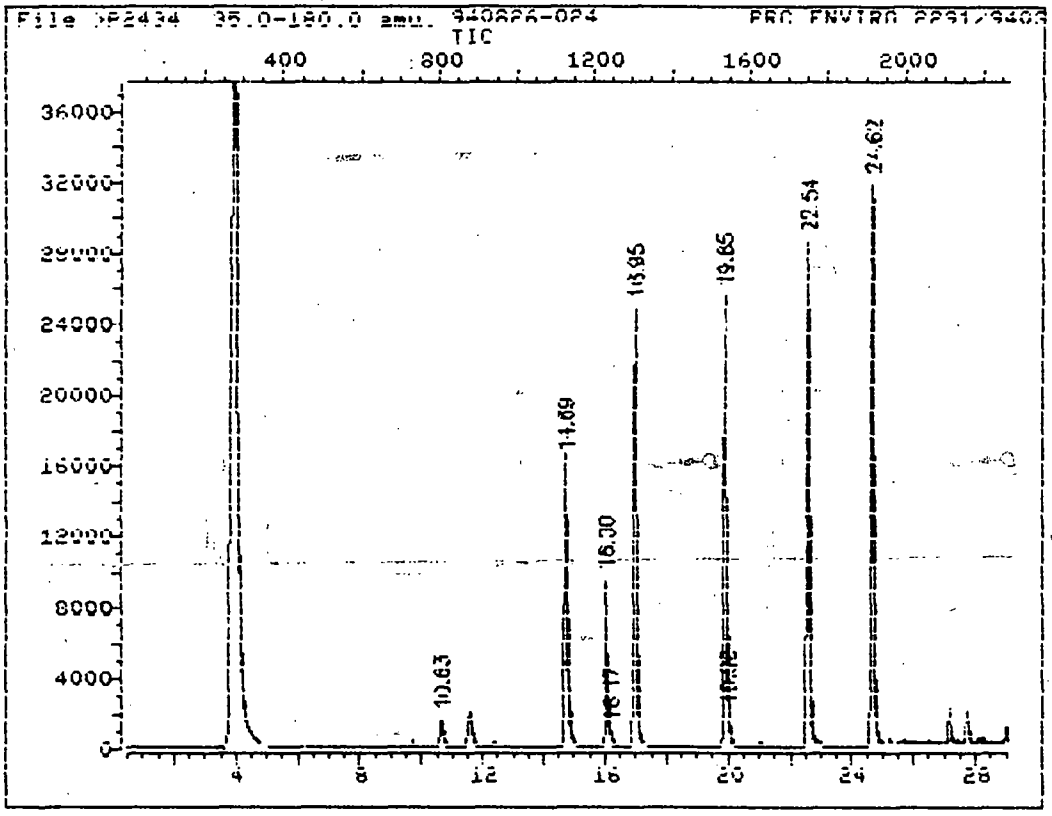
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1128	11924	50.00	PPB	7
11)	Methylene chloride	10.63	806	2224	~~5.88~~	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.95	1307	57147	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.00	1232	20616	47.51 95	PPB	8
23)	1,2-Dichloroethane	16.17	1245	1643	~~3.25~~	PPB	8
31)	TOLUENE-D8	19.85	1537	47737	50.78 102	PPB	9
32)	Toluene	19.98	1547	1497	~~1.32~~	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1750	42884	50.00	PPB	9
36)	Tetrachloroethene	21.02	1630	153	~~.36~~	PPB	9
46)	BROMOFLUOROBENZENE	24.62	1915	38781	52.66 105	PPB	7

* Compound is ISTD

OK Narrative Method
DL #11 to 10ppb

TOTAL ION CHROMATOGRAM



Data File: >P2434::D2 Quant Output File: ^P2434::D1
Name: 940826-024
Misc: PRC ENVIRO 2291/940301//NEHT/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 20:04
Injected at: 940903 19:34

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :

SAMPLE NO. : 9408260025
CLIENT ID : SBA-MW02B
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:15

REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

ANALYST: hjp ANALYSIS DATE: 09/03/94 METHOD: 8240
ANALYSIS TIME: 20:09 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 20:39
Output File: ^P2435::D1 Injected at: 940903 20:09
Data File: >P2435::D2 Dilution Factor: 1.00000
Name: 940826-025
Misc: PRC ENVIRO 2291/940301//NEAT/JS

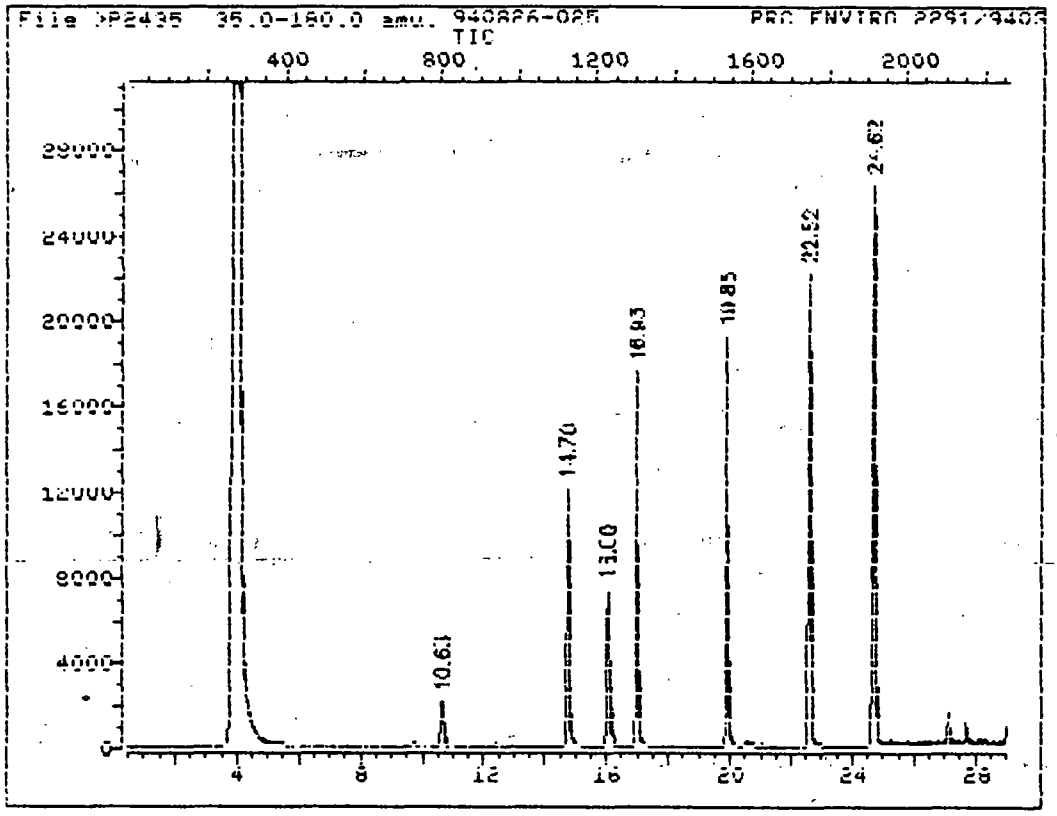
ID File: IDCCWT::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc		Units	q
1)	*BROMOCHLOROMETHANE	14.20	1129	8563	50.00		PPB	
11)	Methylene chloride	10.63	806	3038	9.51		PPB	
20)	*1,4-DIFLUOROBENZENE	16.93	1306	40359	50.00		PPB	
22)	1,2-DICHLOROETHANE-D4	16.00	1232	16098	52.53	105	PPB	
31)	TOLUENE-D8	19.85	1537	36117	54.40	109	PPB	
35)	*CHLOROBENZENE-D5	22.52	1749	33739	50.00		PPB	
46)	BROMOFLUOROBENZENE	24.62	1915	31932	55.11	110	PPB	

* Compound is ISTD

ok

TOTAL ION CHROMATOGRAM



Data File: >P2435::D2 Quant Output File: ^P2435::D1
Name: 940826-025
Misc: PRC ENVIRO 2291/9403017/NEAT/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 20:39
Injected at: 940903 20:09

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 05/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260026
CLIENT ID : SBA-MW01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 14:40

ANALYST: hjp ANALYSIS DATE: 09/05/94 METHOD: 8240
ANALYSIS TIME: 18:57 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

QUANT REPORT

Operator ID: BUBBA
Output File: ^F2458::D1
Data File: >F2458::D1
Name: 940826-026
Misc: PRC

Quant Rev: 6 Quant Time: 940906 07:11
Injected at: 940905 18:57
Dilution Factor: 1.00000

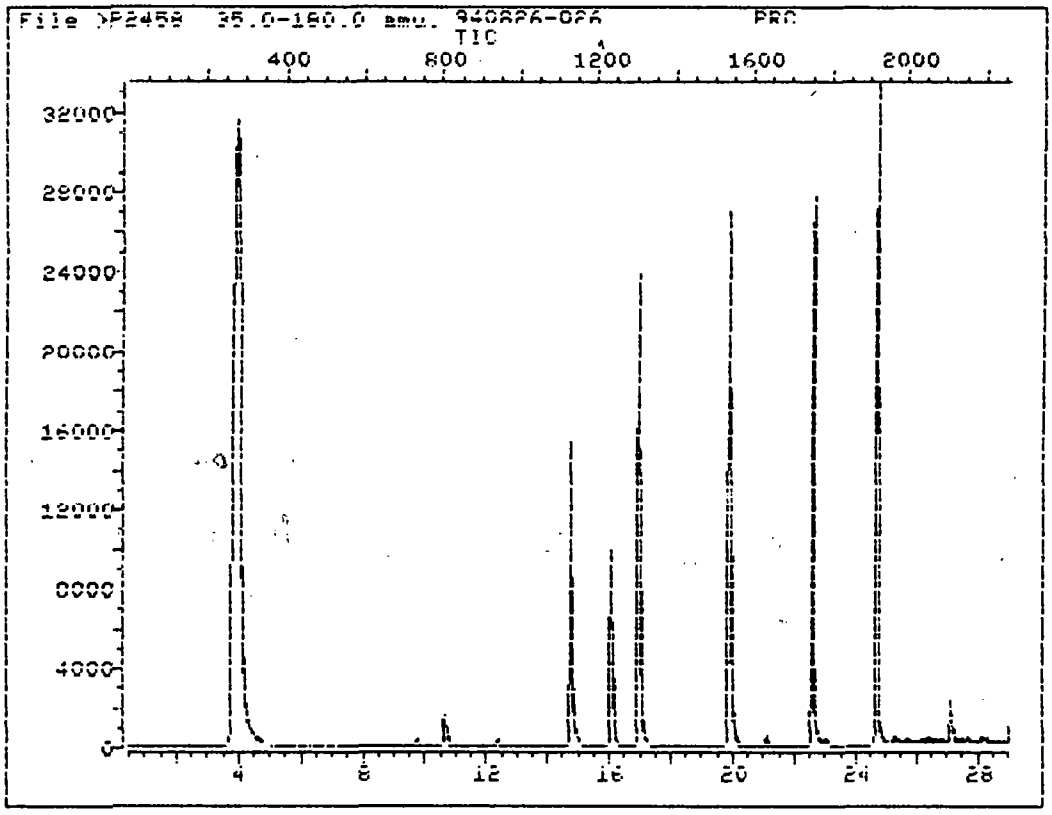
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 06:11

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1130	11461	50.00	PPB	
11)	Methylene chloride	10.64	807	2276	5.52	PPB	
20)	*1,4-DIFLUOROBENZENE	16.96	1308	55102	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.01	1233	21258	49.43 99	PPB	8
31)	TOLUENE-D8	19.88	1539	50546	53.38 107	PPB	9
32)	Toluene	19.99	1548	1658	~~1.45~~	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1750	41429	50.00	PPB	9
36)	Tetrachloroethene	21.02	1630	364	~~.49~~	PPB	8
46)	BROMOFLUOROBENZENE	24.64	1917	40521	56.33 113	PPB	6

* Compound is ISTD

0000117

TOTAL ION CHROMATOGRAM



Data File: >P2458::D1 Quant Output File: ^P2458::D1
Name: 940826-026
Misc: PRC

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940905 19:26
Injected at: 940905 18:57

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Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260027
CLIENT ID : SBA-ER02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 15:25

ANALYST: hjp ANALYSIS DATE: 09/01/94 METHOD: 8240
ANALYSIS TIME: 05:29 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	24.2	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	5
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 21:49
Output File: ^P2437::D1 Injected at: 940903 21:20
Data File: >P2437::D2 Dilution Factor: 1.00000
Name: 940826-02?
Misc: PRC ENVIRO 2291/940301?//NEAT/JS

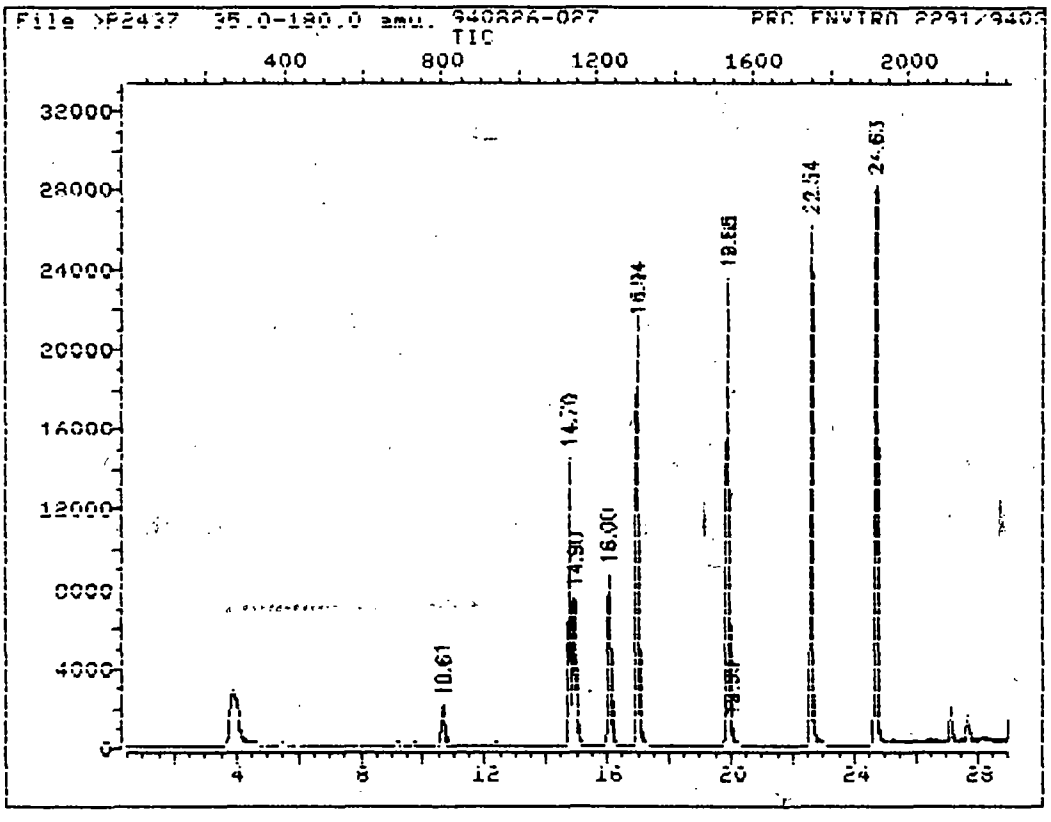
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1129	10547	50.00	PPB	?
11)	Methylene chloride	10.61	805	2887	7.34	PPB	?
18)	Chloroform	14.90	1145	17398	24.23	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.94	1306	49353	50.00	PPB	9
22)	1,2-DICHLOROETHANE-D4	16.00	1232	19143	51.08 102	PPB	?
31)	TOLUENE-D8	19.85	1537	44160	54.39 109	PPB	9
32)	Toluene	19.99	1548	208	.21	PPB	8
35)	*CHLOROBENZENE-D5	22.54	1750	39738	50.00	PPB	8
46)	BROMOFLUOROBENZENE	24.63	1916	34294	50.25 101	PPB	8

* Compound is ISTD

OR

TOTAL ION CHROMATOGRAM



Data File: >P2437::D2 Quant Output File: ^P2437::D1
Name: 940826-027
Misc: PRC ENVIRO 2291/9403017/NEAT/JS

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 21:49
Injected at: 940903 21:20

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260028
CLIENT ID : SBA-FB02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 15:30

ANALYST: hjp ANALYSIS DATE: 09/01/94 METHOD: 8240
ANALYSIS TIME: 05:49 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	32.9	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	5
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000122

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 22:25
Output File: ^P2438::D1 Injected at: 940903 21:55
Data File: >P2438::D2 Dilution Factor: 1.00000
Name: 940826-028
Misc: PRC ENVIRO 2291/9403017//NEAT/JS

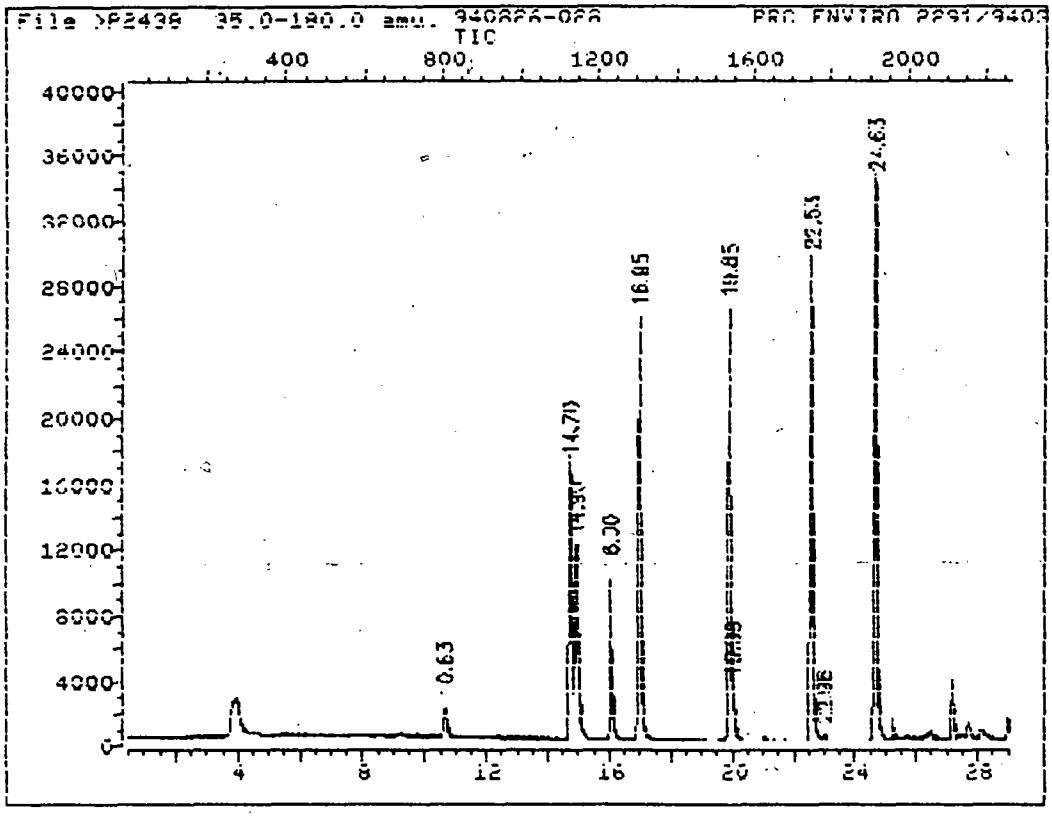
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1129	12476	50.00	PPB	78
11)	Methylene chloride	10.63	806	2733	5.67	PPB	73
18)	Chloroform	14.90	1145	27914	32.87	PPB	99
20)	*1,4-DIFLUOROBENZENE	16.95	1302	57738	50.00	PPB	85
22)	1,2-DICHLOROETHANE-D4	16.00	1232	21383	48.7/96	PPB	82
31)	TOLUENE-D8	19.85	1537	49298	51.90/104	PPB	98
32)	Toluene	19.98	1547	4755	4.15	PPB	98
35)	*CHLOROBENZENE-D5	22.53	1749	45102	50.00	PPB	92
41)	Ethyl benzene	22.98	1785	223	~~61~~	PPB	72
42)	p,m-Xylene	22.98	1785	223	~~48~~	PPB	67
46)	BROMOFLUOROBENZENE	24.63	1916	42127	54.39/109	PPB	65

* Compound is ISTD

Ok
✓MC — DL 10ppb
✓Chloro — Rpt

TOTAL ION CHROMATOGRAM

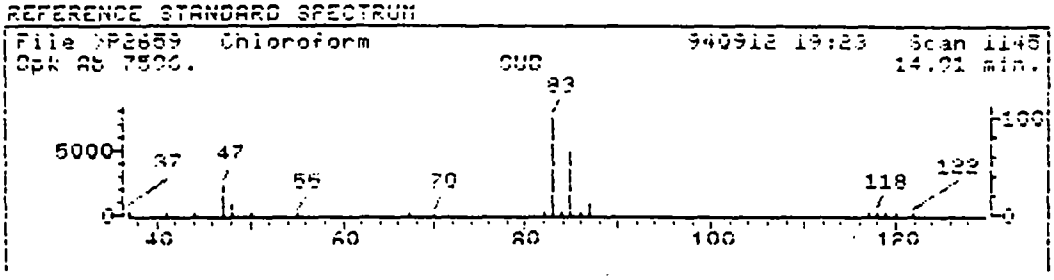


Data File: >P2438::D2 Quant Output File: ^P2438::D1
Name: 940826-028
Misc: PRC ENVIRO 2291/9403017/NEAT/J5

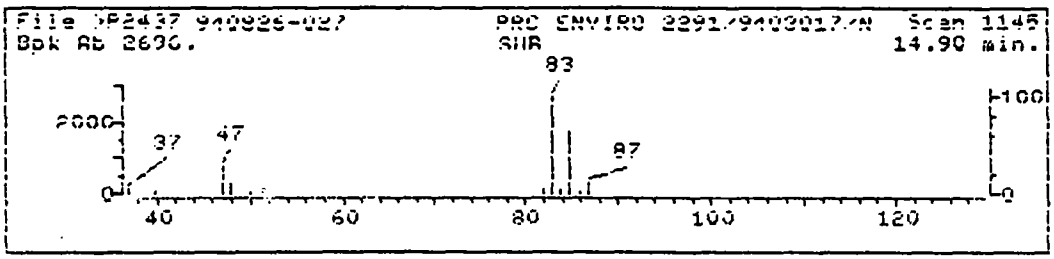
Id File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 22:25
Injected at: 940903 21:55

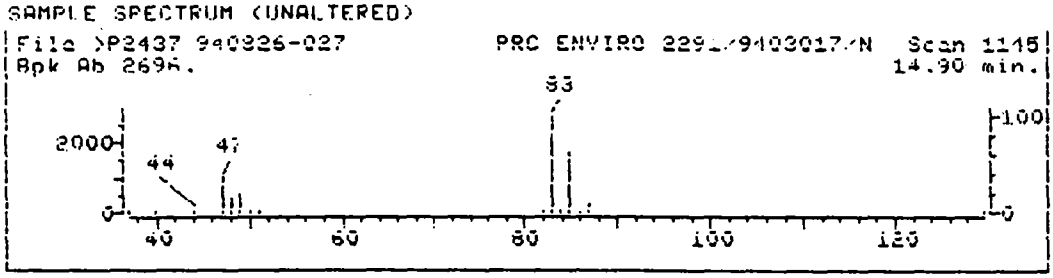
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2437::D2 Quant Output File: ^P2437::D1
Name: 940826-027
Misc: PRC ENVIRO 2291/9403017//NEAT/JS
Quant Time: 940903 21:49 Quant ID File: IDCC01::B3
Injected at: 940903 21:20 Last Calibration: 940903 12:39

Compound No: 18
Compound Name: Chloroform
Scan Number: 1145
Retention Time: 14.90 min.
Quant Ion: 83.0
Area: 17398
Concentration: 24.23 PPB
q-value: 94

REFERENCE >P2659 Chloroform 940912 19:23 Scan 1145 14.91 min. Bpk Ab 7596.

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260029
CLIENT ID : SBA-TB02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 15:50

ANALYST: hjp ANALYSIS DATE: 09/05/94 METHOD: 8240
ANALYSIS TIME: 19:31 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000126

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2459::D1
Data File: >P2459::D1
Name: 940826-029
Misc: PRC

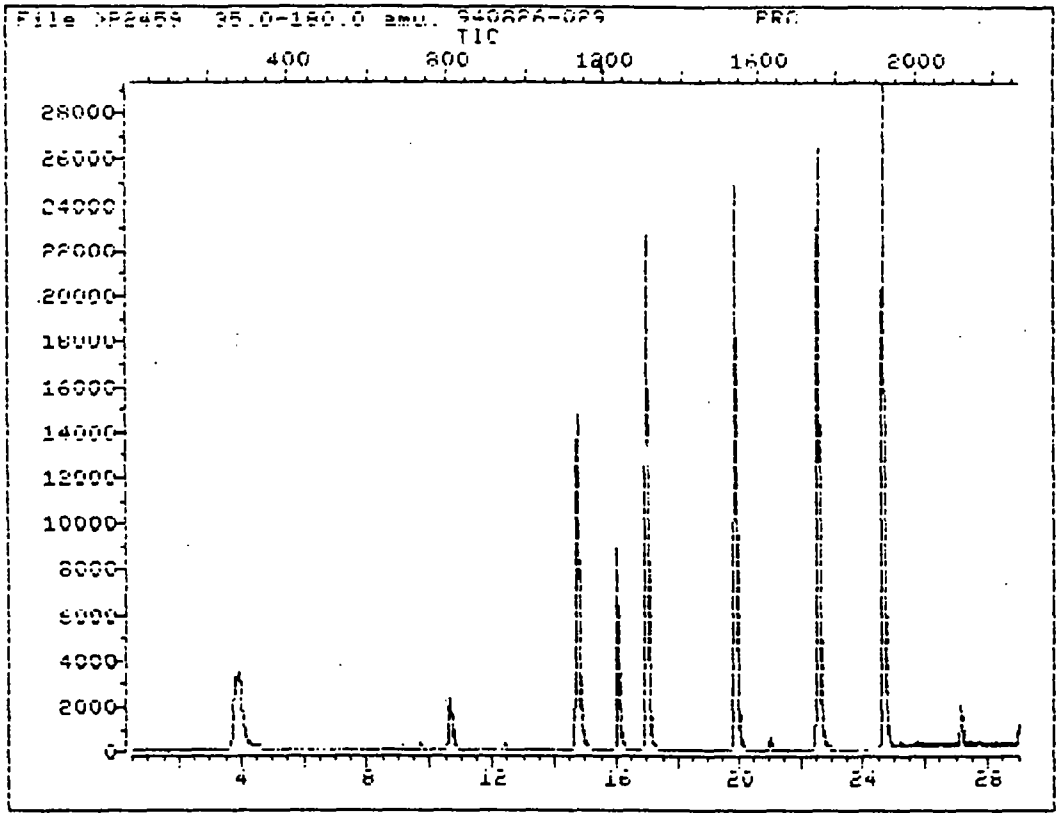
Quant Rev: 6 Quant Time: 940908 07:12
Injected at: 940905 15:31
Dilution Factor: 1.000000

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940908 06:11

	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.73	1131	10907	50.00	PPB
11)	Methylene chloride	10.64	807	3399	8.66	PPB
20)	*1,4-DIFLUOROBENZENE	16.96	1308	52265	50.00	PPB
22)	1,2-DICHLOROETHANE-D4	16.03	1234	19426	47.62 95	PPB
31)	TOLUENE-D8	19.88	1539	46210	51.45 103	PPB
32)	Toluene	20.00	1549	465	.43	PPB
35)	*CHLOROBENZENE-D5	22.55	1751	39186	50.00	PPB
36)	Tetrachloroethene	21.04	1631	314	.72	PPB
40)	Chlorobenzene	22.60	1755	1435	1.91	PPB
46)	BROMOFLUOROBENZENE	24.65	1917	34662	50.94 102	PPB

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2459::D1 Quant Output File: ^P2459::D1
Name: 940826-029
Misc: PRC

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940905 20:01
Injected at: 940905 19:31

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SURROGATE DETAIL RESULTS

Sample#: 9408260021 Client ID: SBA-MW03
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	105	88 - 110	8240
1,2-Dichloroethane-d4	93	76 - 114	8240
4-Bromofluorobenzene	112	86 - 115	8240

Sample#: 9408260022 Client ID: SBA-MW03 MS
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	88 - 110	8240
1,2-Dichloroethane-d4	93	76 - 114	8240
4-Bromofluorobenzene	102	86 - 115	8240

Sample#: 9408260023 Client ID: SBA-MW03(MSD)
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	102	76 - 114	8240
4-Bromofluorobenzene	113	86 - 115	8240

Report#: 9403017

0000129

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SURROGATE DETAIL RESULTS

Sample#: 9408260024 Client ID: SBA-MW02A
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	88 - 110	8240
1,2-Dichloroethane-d4	95	76 - 114	8240
4-Bromofluorobenzene	105	86 - 115	8240

Sample#: 9408260025 Client ID: SBA-MW02B
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	88 - 110	8240
1,2-Dichloroethane-d4	105	76 - 114	8240
4-Bromofluorobenzene	110	86 - 115	8240

Sample#: 9408260026 Client ID: SBA-MW01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	107	88 - 110	8240
1,2-Dichloroethane-d4	99	76 - 114	8240
4-Bromofluorobenzene	113	86 - 115	8240

Report#: 9403017

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SURROGATE DETAIL RESULTS

Sample#: 9408260027 Client ID: SBA-ER02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	101	88 - 110	8240
1,2-Dichloroethane-d4	96	76 - 114	8240
4-Bromofluorobenzene	91	86 - 115	8240

Sample#: 9408260028 Client ID: SBA-FB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	88 - 110	8240
1,2-Dichloroethane-d4	93	76 - 114	8240
4-Bromofluorobenzene	93	86 - 115	8240

Sample#: 9408260029 Client ID: SBA-TB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	88 - 110	8240
1,2-Dichloroethane-d4	95	76 - 114	8240
4-Bromofluorobenzene	102	86 - 115	8240

Report#: 9403017

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PHINE Calibration Date: 08/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>P2151	>P2152	>P2153	>P2154	>P2156				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Chloromethane	1.57256	1.47968	1.34179	1.33642	1.31515	1.40912	7.961		**
Vinyl chloride	1.47301	1.43734	1.32821	1.35319	1.30967	1.38028	5.159	*	
Chloroethane	.73529	.73227	.69707	.69260	.68110	.70771	3.467		
Bromomethane	1.36559	1.31816	1.20556	1.18108	1.12415	1.23891	8.067		
Trichlorofluoromethane	2.72059	2.77513	2.51754	2.14518	1.89259	2.40421	15.535		
1-Dichloroethene	1.51295	1.47149	1.35846	1.40769	1.35664	1.42145	4.878	*	
Acrolein	.07486	.08929	.09791	.10302	.93172	.25936	144.976		(Conc=100.0,250.0,500.0,750.0,100
Carbon disulfide	4.43779	4.45737	4.25736	4.29421	4.28714	4.34677	2.147		
Acetone	.42272	.33739	.34385	.35074	.34593	.36013	9.807		
Methylene chloride	2.21859	1.93352	1.68505	1.71903	1.60040	1.83132	13.590		
t-1,2-Dichloroethene	1.73293	1.68788	1.57415	1.57185	1.57521	1.62841	4.700		
Acrylonitrile	.24782	.28956	.28882	.30679	.28482	.28356	7.650		(Conc=100.0,250.0,500.0,750.0,100
1,1-Dichloroethane	3.82716	3.70677	3.46520	3.43662	3.42024	3.57120	5.164		**
Vinyl acetate	2.57777	2.88150	2.93678	2.95965	2.88317	2.84778	5.432		
cis-1,2-Dichloroethylene	7.82740	7.47832	6.80294	7.00350	6.56916	7.09626	7.752		
2-Butanone	.08345	.10099	.10493	.10734	.10611	.10056	9.801		(Conc=100.0,250.0,500.0,750.0,100
Chloroform	3.83442	3.57234	3.31176	3.36710	3.26883	3.47089	6.747	*	
1,1,1-Trichloroethane	3.04648	2.94707	2.73024	2.79517	2.66173	2.83614	5.571		
Carbon tetrachloride	.60664	.52567	.49886	.60832	.55647	.55919	8.686		
1,2-DICHLOROETHANE-D4	.43391	.43377	.42009	.39187	.37960	.41185	6.039		
1,2-Dichloroethane	.47326	.49523	.47382	.46844	.45558	.47726	3.535		
Benzene	1.06890	1.03141	.95133	.91854	.90967	.97597	7.247		
Trichloroethene	.40525	.39856	.36608	.37054	.36866	.38182	4.860		
1,2-Dichloropropane	.48884	.47750	.45188	.45231	.44089	.46228	4.329	*	
Bromodichloromethane	.65235	.68799	.68829	.70031	.69940	.68567	2.848		
2-Choloroethyl vinyl ether	.18744	.21321	.22542	.22143	-	.21188	8.054		
c-1,3-Dichloropropene	.54818	.57750	.56744	.58101	.57337	.56950	2.273		
4-Methyl-2-pentanone	.44730	.44364	.43882	.43044	.39431	.43090	4.968		
TOLUENE-D8	.98210	.93253	.88760	.82009	.80399	.88526	8.466		
Toluene	1.15173	1.07706	.99077	.97465	.95309	1.02946	8.062	*	
t-1,3-Dichloropropene	.41605	.45825	.45736	.46937	.45941	.45209	4.583		
1,1,2-Trichloroethane	.30121	.30478	.28918	.28581	.27349	.29089	4.317		

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000132

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PAINE Calibration Date: 03/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID: >P2151 >P2152 >P2153 >P2154 >P2156

Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Tetrachloroethene	.75189	.66002	.60730	.62252	.60025	.64855	9.611		
Dibromochloromethane	.55502	.64375	.66318	.68454	.68375	.64605	8.295		
2-Hexanone	.32556	.36049	.38806	.38270	.39851	.36311	6.819		
1,2-Dibromoethane (EDB)	.68322	.72222	.69482	.73166	.68329	.70304	3.210		
Chlorobenzene	1.10281	1.00757	.94477	.92226	.72173	.97983	7.874		**
hyl benzene	.48261	.46287	.44306	.43429	.43525	.45162	4.603	*	
p,m-Xylene	.60848	.57522	.55647	.54844	.54483	.56669	4.614		
o-Xylene	.60349	.58406	.55297	.54598	.54642	.56658	4.572		
Styrene	.99182	.98303	.95582	.94176	.93636	.96176	2.566		
Bromoform	.33770	.42386	.46509	.47795	.47370	.43566	13.500		**
BROMOFLUOROBENZENE	1.00762	.94211	.90821	.85350	.83860	.91001	7.544		
1,1,2,2-Tetrachloroethane	.70101	.75759	.78691	.75614	.77979	.74629	4.341		**
1,3-Dichlorobenzene	.80019	.75629	.71648	.75062	.71478	.74767	4.679		
1,4-Dichlorobenzene	1.03272	.97508	.87710	.90544	.90396	.93886	6.793		
1,2-Dichlorobenzene	.80734	.76687	.70002	.74766	.69744	.74387	6.251		
1,2-Dibromo-3-chloropropane	.08721	.11948	.13033	.13994	.13513	.12242	17.229		

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000133

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2151::A2
Data File: >P2151::D3
Name: 20 PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 09:35
Injected at: 940826 09:05
Dilution Factor: 1.000000

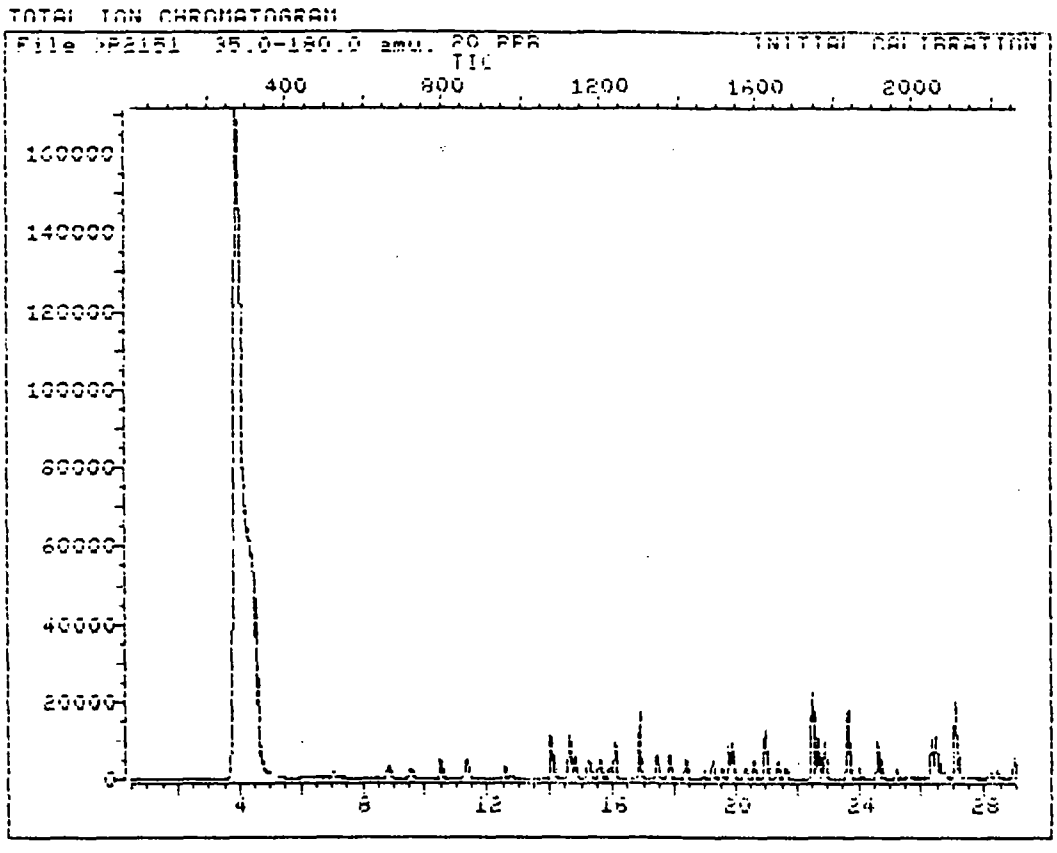
ID File: IDINIT::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.56	1118	8262	50.00	PPB
2)	Chloromethane	4.91	353	5197M	22.75	PPB
3)	Vinyl chloride	5.25	380	4868	22.00	PPB
4)	Chloroethane	6.31	464	2430	21.02	PPB
5)	Bromomethane	6.06	444	4513M	21.64	PPB
6)	Trichlorofluoromethane	7.03	521	8381	22.35	PPB
7)	Acrolein	8.49	637	1237	54.17	PPB
8)	1,1-Dichloroethene	8.78	660	5000	22.13	PPB
9)	Carbon disulfide	9.50	717	14666	21.21	PPB
10)	Acetone	9.10	685	1397M	28.43	PPB
11)	Methylene chloride	10.49	795	7332	25.53	PPB
12)	t-1,2-Dichloroethene	11.33	862	5727	22.37	PPB
13)	Acrylonitrile	11.26	856	4095M	99.57	PPB
14)	1,1-Dichloroethane	12.51	955	12648	23.75	PPB
15)	Vinyl acetate	12.75	974	8519	23.30	PPB
16)	cis-1,2-Dichloroethylene	14.02	1075	25868	24.81	PPB
17)	2-Butanone	14.10	1081	1379	85.00	PPB
18)	Chloroform	14.79	1136	12672	23.38	PPB
19)	1,1,1-Trichloroethane	15.21	1169	10068	24.02	PPB
20)	*1,4-DIFLUOROBENZENE	16.82	1297	39599	50.00	PPB
21)	Carbon tetrachloride	15.59	1199	9609	25.08	PPB
22)	1,2-DICHLOROETHANE-D4	15.89	1223	6873	23.10	PPB
23)	1,2-Dichloroethane	16.05	1236	7813	21.38	PPB
24)	Benzene	16.03	1234	16931	23.54	PPB
25)	Trichloroethene	17.39	1342	6419	20.40	PPB
26)	1,2-Dichloropropane	17.82	1376	7743	22.75	PPB
27)	Bromodichloromethane	18.36	1419	10333	18.66	PPB
28)	2-Choloroethyl vinyl ether	18.93	1464	2969	15.49	PPB
29)	c-1,3-Dichloropropene	19.23	1488	8683	19.67	PPB
30)	4-Methyl-2-pentanone	19.50	1509	7085	23.80	PPB
31)	TOLUENE-D8	19.75	1529	15556	23.89	PPB
32)	Toluene	19.88	1539	18243	23.76	PPB
33)	t-1,3-Dichloropropene	20.26	1569	6590	18.51	PPB
34)	1,1,2-Trichloroethane	20.60	1596	4771	20.44	PPB
35)	*CHLOROBENZENE-D5	22.44	1742	30071	50.00	PPB
36)	Tetrachloroethene	20.91	1621	9044	30.93	PPB
37)	Dibromochloromethane	21.35	1656	6676	15.92	PPB
38)	2-Hexanone	21.05	1632	3916M	19.73	PPB
39)	1,2-Dibromoethane (EDB)	21.59	1675	8218	19.52	PPB
40)	Chlorobenzene	22.49	1746	13265	23.02	PPB
41)	Ethyl benzene	22.68	1761	5805	22.09	PPB
42)	p,m-Xylene	22.88	1777	7319M	22.76	PPB
43)	o-Xylene	23.21	1802	7081	22.44	PPB

000134

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.83	1836	11938	21.23	PPB
45)	Bromoform	24.02	1867	4062	13.16	PPB
46)	BROMOFLUOROBENZENE	24.55	1918	12120	22.51	PPB
47)	1,1,2,2-Tetrachloroethane	24.72	1923	8432	20.47	PPB
48)	1,3-Dichlorobenzene	26.29	2047	9625	20.69	PPB
49)	1,4-Dichlorobenzene	26.43	2058	12422	21.35	PPB
50)	1,2-Dichlorobenzene	27.06	2108	9711	55.03	PPB
51)	1,2-Dibromo-3-chloropropane	28.37	2212	1049M	21.05	PPB

* Compound is ISTD



Data File: >P2151::D3 Quant Output File: ^P2151::A2
Name: 20 PPB
Misc: INITIAL CALIBRATION

Id File: ID1[illegible]1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 09:35
Injected at: 940826 09:05

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2152::A2
Data File: >P2152::D3
Name: 50 PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:12
Injected at: 940826 09:42
Dilution Factor: 1.00000

ID File: 1D1N01::A3
Title: VOA 1DFILE
Last Calibration: 940822 10:41

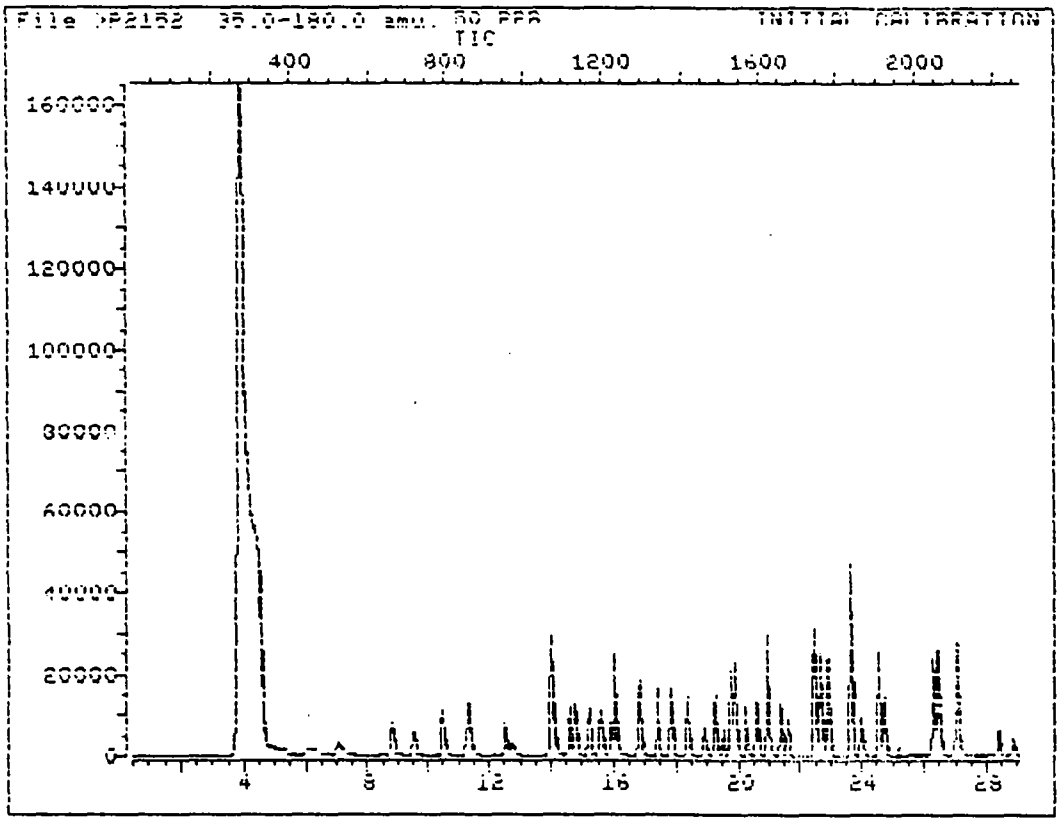
	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.57	1118	8785	50.00	PPB
2)	Chloromethane	4.86	357	12999	53.51	PPB
3)	Vinyl chloride	5.24	379	12627	53.68	PPB
4)	Chloroethane	6.32	465	6433M	52.32	PPB
5)	Bromomethane	6.02	441	11580M	52.22	PPB
6)	Trichlorofluoromethane	7.02	520	24116	56.39	PPB
7)	Acrolein	8.46	636	3922	161.52	PPB
8)	1,1-Dichloroethene	8.76	658	12927	53.82	PPB
9)	Carbon disulfide	9.48	715	39158	53.26	PPB
10)	Acetone	9.09	684	2964	56.73	PPB
11)	Methylene chloride	10.45	792	16986	55.61	PPB
12)	t-1,2-Dichloroethene	11.32	861	14828	54.48	PPB
13)	Acrylonitrile	11.23	854	12719	290.84	PPB
14)	1,1-Dichloroethane	12.50	954	32564	57.51	PPB
15)	Vinyl acetate	12.71	971	25314	65.10	PPB
16)	cis-1,2-Dichloroethylene	14.00	1073	65697	59.25	PPB
17)	2-Butanone	14.05	1077	4436	257.16	PPB
18)	Chloroform	14.77	1134	31383	55.61	PPB
19)	1,1,1-Trichloroethane	15.18	1167	25890	58.09	PPB
20)	*1,4-DIFLUOROBENZENE	16.81	1296	41617	50.00	PPB
21)	Carbon tetrachloride	15.56	1198	21877	54.34	PPB
22)	1,2-DICHLOROETHANE-D4	15.87	1221	18052	57.72	PPB
23)	1,2-Dichloroethane	16.02	1233	20610	53.67	PPB
24)	Benzene	16.00	1232	42924	56.80	PPB
25)	Trichloroethene	17.37	1340	16587	50.15	PPB
26)	1,2-Dichloropropane	17.80	1374	19872	55.56	PPB
27)	Bromodichloromethane	18.34	1417	28632	49.21	PPB
28)	2-Choloroethyl vinyl ether	18.91	1462	8873	44.85	PPB
29)	c-1,3-Dichloropropene	19.21	1486	24034	51.82	PPB
30)	4-Methyl-2-pentanone	19.49	1508	18463	59.82	PPB
31)	TOLUENE-D8	19.74	1528	38809	56.70	PPB
32)	Toluene	19.87	1538	44824	55.55	PPB
33)	t-1,3-Dichloropropene	20.23	1567	19071	50.98	PPB
34)	1,1,2-Trichloroethane	20.59	1595	12684	51.70	PPB
35)	*CHLOROBENZENE-D5	22.42	1740	31579	50.00	PPB
36)	Tetrachloroethene	20.90	1620	20868	67.96	PPB
37)	Dibromochloromethane	21.35	1655	20329	46.16	PPB
38)	2-Hexanone	21.03	1630	11384	54.62	PPB
39)	1,2-Dibromoethane (EDB)	21.59	1674	22807	51.57	PPB
40)	Chlorobenzene	22.47	1744	31818	52.58	PPB
41)	Ethyl benzene	22.66	1759	14617	52.97	PPB
42)	p,m-Xylene	22.86	1775	18165M	52.61	PPB
43)	o-Xylene	23.59	1833	18448	52.98	PPB

0000137

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.61	1864	31043	52.60	PPB
45)	Bromoform	23.98	1864	13385	41.21	PPB
46)	BROMOFLUOROBENZENE	24.54	1918	29751	52.63	PPB
47)	1,1,2,2-Tetrachloroethane	24.70	1921	23924	55.30	PPB
48)	1,3-Dichlorobenzene	26.26	2044	23883	48.89	PPB
49)	1,4-Dichlorobenzene	26.40	2055	30792	50.40	PPB
50)	1,2-Dichlorobenzene	27.04	2106	24217	130.69	PPB
51)	1,2-Dibromo-3-chloropropane	28.35	2210	3773	72.11	PPB

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2152::D3 Quant Output File: ^P2152::R2
Name: 50 PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::R3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:12
Injected at: 940826 09:42

QUANT REPORT

Operator ID: BURBA
Output File: ^P2153::A%
Data File: >P2153::D3
Name: 100PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:49
Injected at: 940826 10:19
Dilution Factor: 1.00000

ID File: IDINM1::A3
Title: DOA IDFILE
Last Calibration: 940822 10:41

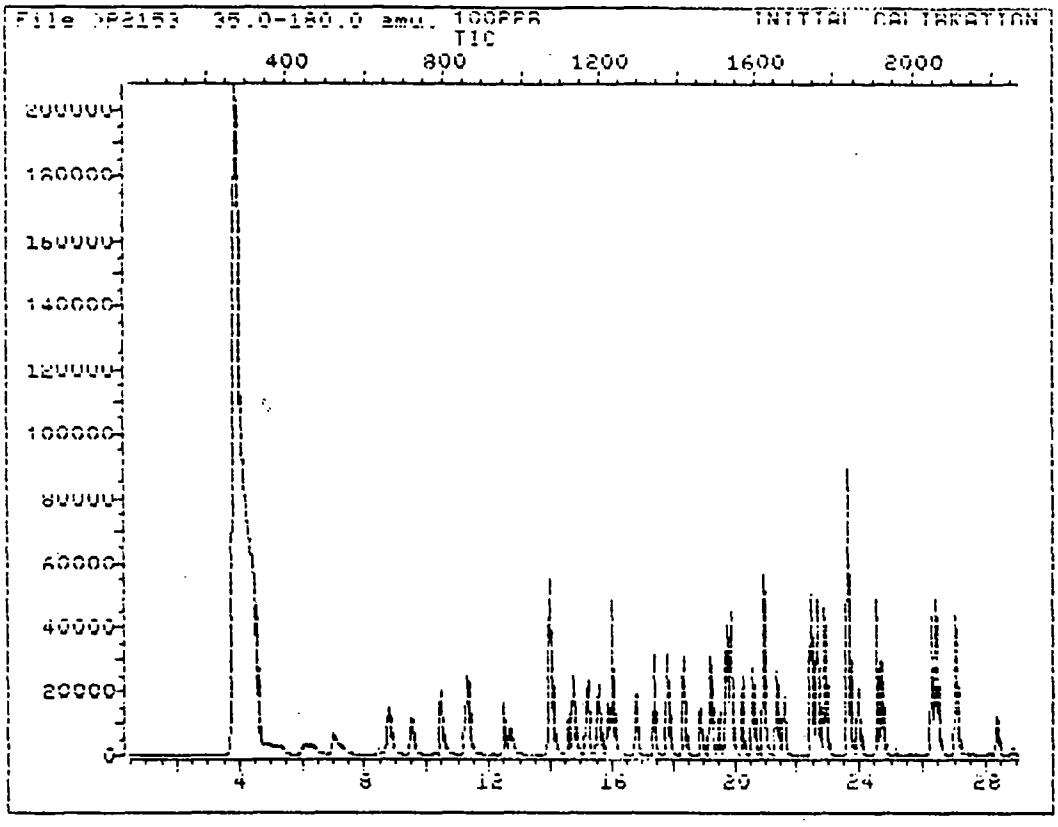
	Compound	R.T.	Scan#	Area	Conc	Units	
1)	*BROMOCHLOROMETHANE	14.54	1116	9238	50.00	PPB	
2)	Chloromethane	4.96	357	24791	97.05	PPB	
3)	Vinyl chloride	5.24	379	24540M	99.20	PPB	
4)	Chloroethane	6.30	463	12879	99.62	PPB	
5)	Bromomethane	6.08	446	22274	95.52	PPB	
6)	Trichlorofluoromethane	7.03	521	46514	103.43	PPB	
7)	Acrolein	8.46	634	9045	354.23	PPB	
8)	1,1-Dichloroethene	8.75	657	25099	99.37	PPB	
9)	Carbon disulfide	9.49	716	78659	101.75	PPB	
10)	Acetone	9.05	681	6353	115.63	PPB	
11)	Methylene chloride	10.44	791	31133	96.93	PPB	
12)	t-1,2-Dichloroethene	11.31	860	29084	101.62	PPB	
13)	Acrylonitrile	11.21	852	26681	580.19	PPB	
14)	1,1-Dichloroethane	12.48	953	64023	107.53	PPB	
15)	Vinyl acetate	12.70	970	54260M	132.70	PPB	
16)	cis-1,2-Dichloroethylene	13.98	1072	121936	104.63	PPB	
17)	2-Butanone	14.04	1076	9693	534.35	PPB	
18)	Chloroform	14.76	1133	61188	103.11	PPB	
19)	1,1,1-Trichloroethane	15.18	1167	50444	107.63	PPB	
20)	*1,4-DIFLUOROBENZENE	16.81	1296	43055	50.00	PPB	
21)	Carbon tetrachloride	15.56	1197	42957	103.13	PPB	
22)	1,2-DICHLOROETHANE-D4	15.85	1220	36174	111.80	PPB	
23)	1,2-Dichloroethane	16.02	1233	40801	102.70	PPB	
24)	Benzene	15.99	1231	81919	104.78	PPB	
25)	Trichloroethene	17.36	1339	31523	92.12	PPB	
26)	1,2-Dichloropropane	17.79	1373	38911	105.16	PPB	
27)	Bromodichloromethane	18.34	1417	59269	98.46	PPB	
28)	2-Choloroethyl vinyl ether	18.90	1461	19411M	93.14	PPB	
29)	c-1,3-Dichloropropene	19.20	1485	48862	101.83	PPB	
30)	4-Methyl-2-pentanone	19.48	1507	37787	116.77	PPB	
31)	TOLUENE-D8	19.73	1527	76431	107.94	PPB	
32)	Toluene	19.86	1537	85315	102.19	PPB	
33)	t-1,3-Dichloropropene	20.22	1566	39383	101.76	PPB	
34)	1,1,2-Trichloroethane	20.58	1594	24901	98.10	PPB	
35)	*CHLOROBENZENE-D5	22.42	1740	31567	50.00	PPB	
36)	Tetrachloroethene	20.91	1620	38341	124.92	PPB	
37)	Dibromochloromethane	21.35	1655	41869	95.11	PPB	
38)	2-Hexanone	21.02	1629	24500	117.60	PPB	
39)	1,2-Dibromoethane (EDB)	21.58	1673	43867	99.23	PPB	
40)	Chlorobenzene	22.47	1744	59647	98.61	PPB	
41)	Ethyl benzene	22.65	1758	27972	101.41	PPB	
42)	p,m-Xylene	22.85	1774	35132M	101.79	PPB	
43)	o-Xylene						

0000140

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.61	1834	60345	102.29	PPB
45)	Bromoform	23.98	1863	29363	91.61	PPB
46)	BROMOFLUOROBENZENE	24.53	1907	57339	101.47	PPB
47)	1,1,2,2-Tetrachloroethane	24.69	1920	49681	114.87	PPB
48)	1,3-Dichlorobenzene	26.26	2044	45234	92.63	PPB
49)	1,4-Dichlorobenzene	26.39	2054	55375	90.66	PPB
50)	1,2-Dichlorobenzene	27.03	2105	44135	238.59	PPB
51)	1,2-Dibromo-3-chloropropane	28.36	2210	8228	157.31	PPB

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2153::D3 Quant Output File: ^P2153::A2
Name: 100PPB
Misc: INITIAL CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:49
Injected at: 940826 10:19

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2154::A2
Data File: >P2154::D3
Name: 150PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 11:27
Injected at: 940826 10:57
Dilution Factor: 1.00000

ID File: IDINB1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

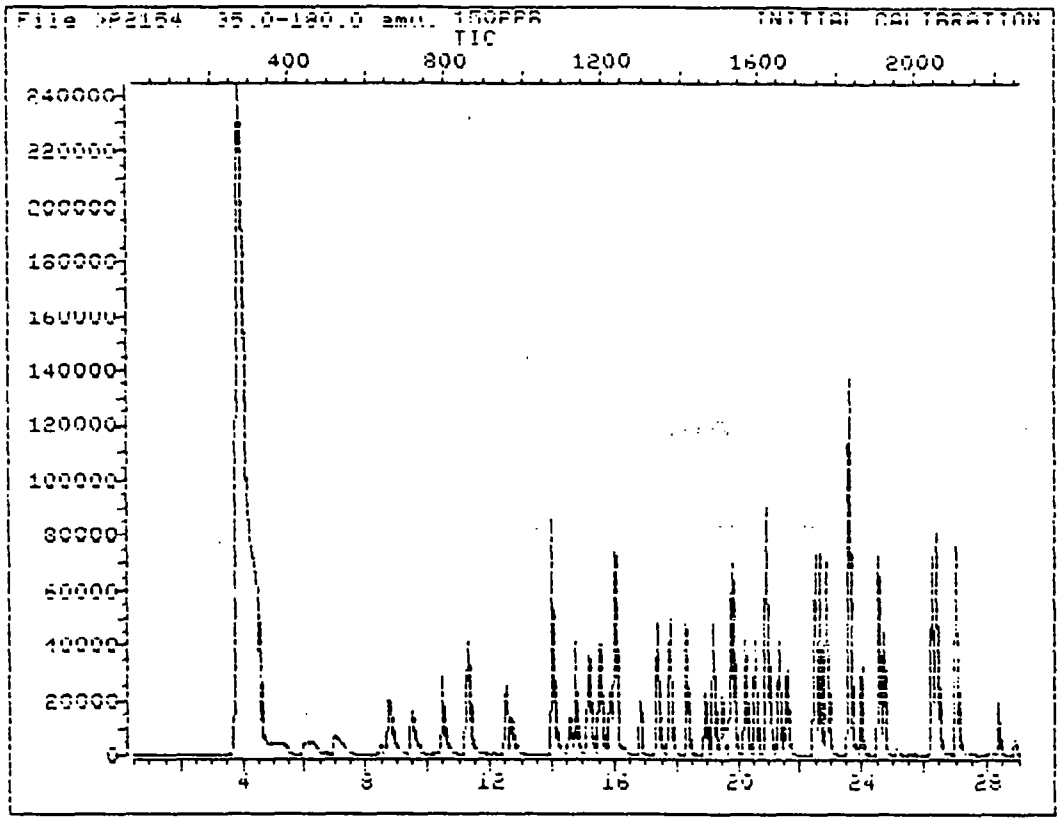
	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.54	1115	9517	50.00	PPB
2)	Chloromethane	4.93	304	381568M	144.99	PPB
3)	Vinyl chloride	5.25	379	38635	151.60	PPB
4)	Chloroethane	6.27	460	19780	148.51	PPB
5)	Bromomethane	6.07	444	33721M	140.38	PPB
6)	Trichlorofluoromethane	6.99	517	61247M	132.19	PPB
7)	Acrolein	8.49	636	14707	559.08	PPB
8)	1,1-Dichloroethene	8.76	657	40191	154.46	PPB
9)	Carbon disulfide	9.48	714	122604	153.95	PPB
10)	Acetone	9.11	685	10014	176.92	PPB
11)	Methylene chloride	10.45	791	49080	148.33	PPB
12)	t-1,2-Dichloroethene	11.31	859	44878	152.20	PPB
13)	Acrylonitrile	11.24	854	43796	924.44	PPB
14)	1,1-Dichloroethane	12.48	952	98119	159.97	PPB
15)	Vinyl acetate	12.70	969	845018M	200.60	PPB
16)	cis-1,2-Dichloroethylene	13.98	1071	199957	166.46	PPB
17)	2-Butanone	14.06	1077	15323	819.96	PPB
18)	Chloroform	14.75	1132	96134	157.25	PPB
19)	1,1,1-Trichloroethane	15.17	1165	79805	165.28	PPB
20)	*1,4-DIFLUOROBENZENE	16.80	1294	44719	50.00	PPB
21)	Carbon tetrachloride	15.55	1195	81611	188.64	PPB
22)	1,2-DICHLOROETHANE-D4	15.85	1219	52572	156.44	PPB
23)	1,2-Dichloroethane	16.01	1231	62844	152.30	PPB
24)	Benzene	15.98	1229	123229	151.75	PPB
25)	Trichloroethene	17.34	1337	49710	139.87	PPB
26)	1,2-Dichloropropane	17.79	1372	60680	157.89	PPB
27)	Bromodichloromethane	18.33	1415	93951	150.27	PPB
28)	2-Choloroethyl vinyl ether	18.90	1460	29707M	137.24	PPB
29)	c-1,3-Dichloropropene	19.19	1483	77946	156.40	PPB
30)	4-Methyl-2-pentanone	19.47	1505	57747	171.80	PPB
31)	TOLUENE-D8	19.72	1525	110021	149.60	PPB
32)	Toluene	19.85	1535	130756	150.80	PPB
33)	t-1,3-Dichloropropene	20.22	1565	62969	156.64	PPB
34)	1,1,2-Trichloroethane	20.57	1592	38344	145.44	PPB
35)	*CHLOROBENZENE-D5	22.41	1738	33060	50.00	PPB
36)	Tetrachloroethene	20.89	1618	61742	192.08	PPB
37)	Dibromochloromethane	21.34	1653	67893	147.27	PPB
38)	2-Hexanone	21.01	1627	37976	174.08	PPB
39)	1,2-Dibromoethane (EDB)	21.56	1671	72566	156.74	PPB
40)	Chlorobenzene	22.46	1742	91470	144.38	PPB
41)	Ethyl benzene	22.64	1756	43073	149.10	PPB
42)	p,m-Xylene	22.85	1773	543944M	150.48	PPB
43)	o-Xylene	23.59	1831	54150	148.52	PPB

000143

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.60	1832	93404	151.18	PPB
45)	Bromoform	23.96	1861	47403	139.74	PPB
46)	BROMOFLUOROBENZENE	24.52	1905	84650	143.03	PPB
47)	1,1,2,2-Tetrachloroethane	24.70	1919	74994	165.57	PPB
48)	1,3-Dichlorobenzene	26.25	2042	74446	145.57	PPB
49)	1,4-Dichlorobenzene	26.39	2053	89802	140.39	PPB
50)	1,2-Dichlorobenzene	27.02	2103	74153	382.24	PPB
51)	1,2-Dibromo-3-chloropropane	28.34	2207	13879	253.37	PPB

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2154::D3 Quant Output File: ^P2154::A2
Name: 150PPB
Misc: INITIAL CALIBRATION

Id File: ID1NW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 11:27
Injected at: 940826 10:57

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2156::A2
Data File: >P2156::D3
Name: 200PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 13:28
Injected at: 940826 12:58
Dilution Factor: 1.00000

ID File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

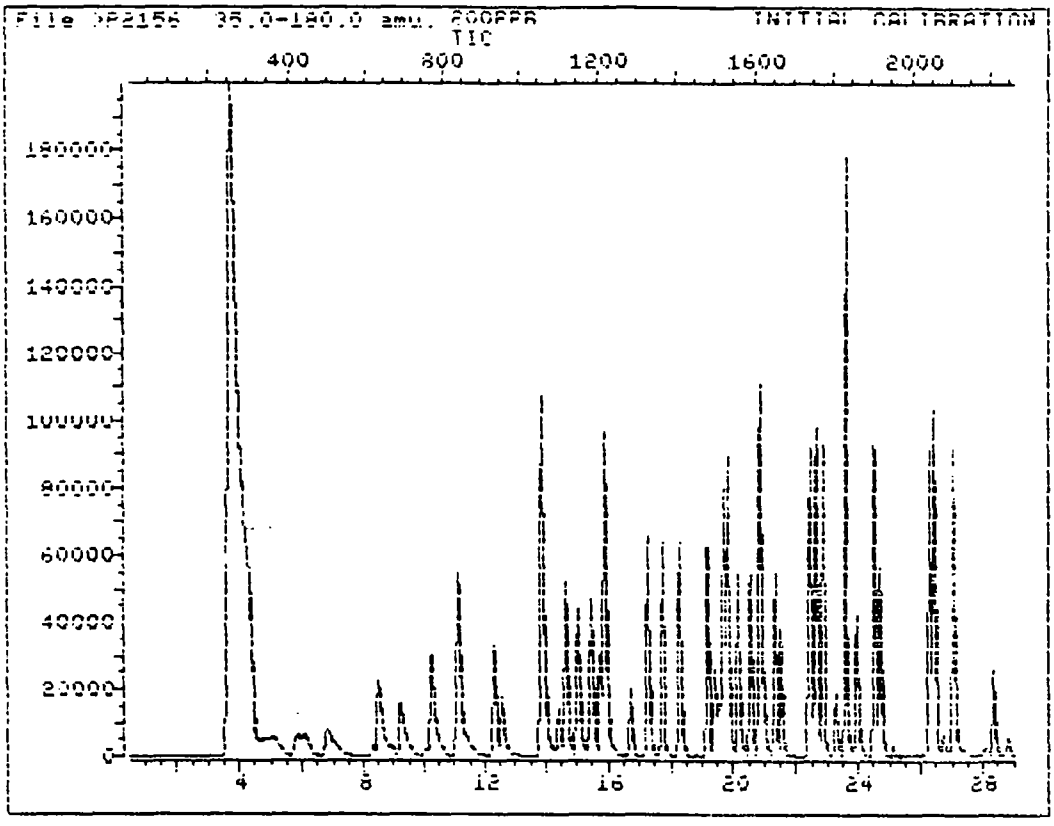
	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.39	1101	9666	50.00	PPB
2)	Chloromethane	4.78	340	50849	190.24	PPB
3)	Vinyl chloride	5.07	363	50637	195.64	PPB
4)	Chloroethane	6.07	442	26334	194.67	PPB
5)	Bromomethane	5.86	425	43464	178.15	PPB
6)	Trichlorofluoromethane	6.78	498	731?5M	155.50	PPB
7)	Acrolein	8.26	615	18012	674.17	PPB
8)	1,1-Dichloroethene	8.48	633	52453	198.47	PPB
9)	Carbon disulfide	9.20	690	165?58	204.92	PPB
10)	Acetone	8.89	665	13375	232.66	PPB
11)	Methylene chloride	10.21	770	61878	184.13	PPB
12)	t-1,2-Dichloroethene	11.08	839	60904	203.37	PPB
13)	Acrylonitrile	11.05	836	55062	1144.33	PPB
14)	1,1-Dichloroethane	12.30	935	132240	212.27	PPB
15)	Vinyl acetate	12.54	954	1114?5M	260.56	PPB
16)	cis-1,2-Dichloroethylene	13.84	1057	253990	208.19	PPB
17)	2-Butanone	13.91	1063	20513	1080.?6	PPB
18)	Chloroform	14.62	1119	126386	203.55	PPB
19)	1,1,1-Trichloroethane	15.04	1152	102913	209.86	PPB
20)	*1,4-DIFLUOROBENZENE	16.69	1283	45026	50.00	PPB
21)	Carbon tetrachloride	15.44	1184	100222	230.08	PPB
22)	1,2-DICHLOROETHANE-D4	15.?3	1207	68367	202.05	PPB
23)	1,2-Dichloroethane	15.90	1220	82051	197.49	PPB
24)	Benzene	15.88	1219	163836	200.37	PPB
25)	Trichloroethene	17.25	1327	66398	185.55	PPB
26)	1,2-Dichloropropane	17.69	1362	?9406	205.20	PPB
27)	Bromodichloromethane	18.25	1406	125964	200.10	PPB
28)	c-1,3-Dichloropropene	19.12	1475	103266	205.?9	PPB
29)	4-Methyl-2-pentanone	19.41	1498	?1016	209.84	PPB
30)	TOLUENE-D8	19.65	1517	144802	195.55	PPB
31)	Toluene	19.79	1528	171655	196.62	PPB
32)	t-1,3-Dichloropropene	20.17	1558	82?42	204.43	PPB
33)	1,1,2-Trichloroethane	20.52	1586	49256	185.56	PPB
34)	*CHLOROBENZENE-D5	22.36	1732	32699	50.00	PPB
35)	Tetrachloroethene	20.84	1611	78510	246.94	PPB
36)	Dibromochloromethane	21.28	1646	89432	196.13	PPB
37)	2-Hexanone	20.98	1622	46892	217.29	PPB
38)	1,2-Dibromoethane (EDB)	21.52	1665	89371	195.17	PPB
39)	Chlorobenzene	22.43	1737	120559	192.40	PPB
40)	Ethyl benzene	22.61	1751	56929	199.24	PPB
41)	p,m-Xylene	22.82	1768	?1261M	199.32	PPB
42)	o-Xylene	23.55	1826	?1469	198.26	PPB
43)	Styrene	23.52	1822	[illegible]	[illegible]	[illegible]

0000146

	Compound	R.T.	Scan#	Area	Conc	Units
45)	Bromoform	23.93	1856	61958	184.66	PPB
46)	BROMOFLUOROBENZENE	24.49	1900	109685	187.38	PPB
47)	1,1,2,2-Tetrachloroethane	24.68	1915	95453	213.06	PPB
48)	1,3-Dichlorobenzene	26.23	2038	93491	184.83	PPB
49)	1,4-Dichlorobenzene	26.37	2049	118234	186.88	PPB
50)	1,2-Dichlorobenzene	27.00	2099	91223	475.42	PPB
51)	1,2-Dibromo-3-chloropropane	28.32	2203	17675	326.24	PPB

* Compound is ISTD

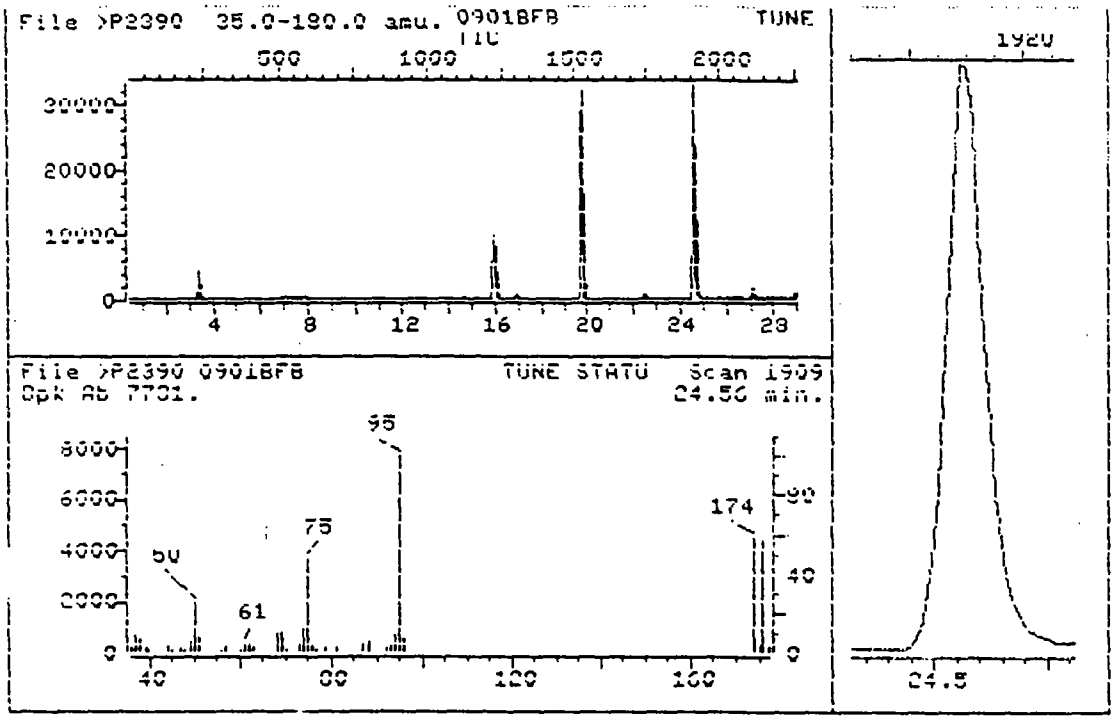
TOTAL ION CHROMATOGRAM



Data File: >P2156::D3 Quant Output File: ^P2156::R2
Name: 200PPB
Misc: INITIAL CALIBRATION

Id File: ID.NW1::R3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 13:28
Injected at: 940826 12:58



FMGR : TUNER,=BFB

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	24.94	24.94	Ok
75	30-60% of mass 95	47.52	47.52	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.96	6.96	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	58.75	58.75	Ok
175	5-9% of mass 174	3.92	6.67	Ok
176	95-101% of mass 174	57.78	98.35	Ok
177	5-9% of mass 176	3.66	6.34	Ok

Injection Date: 09/02/94
Injection Time: 09:12
Data File: >P2390
Scan: 1909

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/02/94

Contractor: WEST PRINE Time: 09:48

Contract No: Laboratory ID:)PZ391

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.49648	6.20		**	
Vinyl chloride	1.38028	1.43248	3.78	*		
Chloroethane	.70771	.84307	19.13			
Bromomethane	1.23891	1.28241	3.51			
Trichlorofluoromethane	2.40421	2.61685	8.84			
1,1-Dichloroethene	1.42145	1.44247	1.48	*		
Acrolein	.25936	.00320	98.77			(Conc=250.00)
Carbon disulfide	4.34677	4.35762	.25			
Acetone	.36013	.32497	9.76			
Methylene chloride	1.83132	1.90117	3.81			
t-1,2-Dichloroethene	1.62841	1.69561	4.13			
Acrylonitrile	.28356	.28726	1.30			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.73053	4.46		**	
Vinyl acetate	2.84778	2.71689	4.60			
cis-1,2-Dichloroethylene	7.09626	7.44629	4.93			
2-Butanone	.10056	.09079	9.72			(Conc=250.00)
Chloroform	3.47089	3.55901	2.54	*		
1,1,1-Trichloroethane	2.83614	2.78619	1.76			
Carbon tetrachloride	.55919	.50556	9.59			
1,2-DICHLOROETHANE-D4	.41185	.39809	3.34			
1,2-Dichloroethane	.47726	.50316	5.42			
Benzene	.97597	1.02705	5.23			
Trichloroethene	.38182	.38901	1.88			
1,2-Dichloropropane	.46228	.48790	5.54	*		
Bromodichloromethane	.68567	.68916	.51			
2-Choloroethyl vinyl ether	.21188	.18665	11.91			
c-1,3-Dichloropropene	.56950	.55936	1.78			
4-Methyl-2-pentanone	.43090	.39480	8.36			
TOLUENE-D8	.88526	.84357	4.71			
Toluene	1.02946	1.08232	5.13	*		
t-1,3-Dichloropropene	.45209	.42391	6.23			
1,1,2-Trichloroethane	.29089	.28828	.90			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form 6I

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/02/94

Contractor: WEST PAINE Time: 09:48

Contract No: Laboratory ID: >P2391

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.52897	18.44		
Dibromochloromethane	.64605	.57426	11.11		
2-Hexanone	.36311	.29536	18.66		
1,2-Dibromoethane (EDB)	.70304	.63818	9.23		
Chlorobenzene	.97983	.95717	2.31		**
Ethyl benzene	.45162	.44456	1.56	*	
p,m-Xylene	.56669	.56519	.26		
o-Xylene	.56658	.57234	1.02		
Styrene	.96176	.95021	1.20		
Bromoform	.43566	.37253	14.49		**
BROMOFLUOROBENZENE	.91001	.82611	9.22		
1,1,2,2-Tetrachloroethane	.74629	.71932	3.61		**
1,3-Dichlorobenzene	.74767	.75091	.43		
1,4-Dichlorobenzene	.93886	.90906	3.17		
1,2-Dichlorobenzene	.74387	.76612	2.99		
1,2-Dibromo-3-chloropropane	.12242	.10542	13.88		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form 6I

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2391::D2
Data File: >P2391::D2
Name: 0902VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940902 10:18
Injected at: 940902 09:48
Dilution Factor: 1.00000

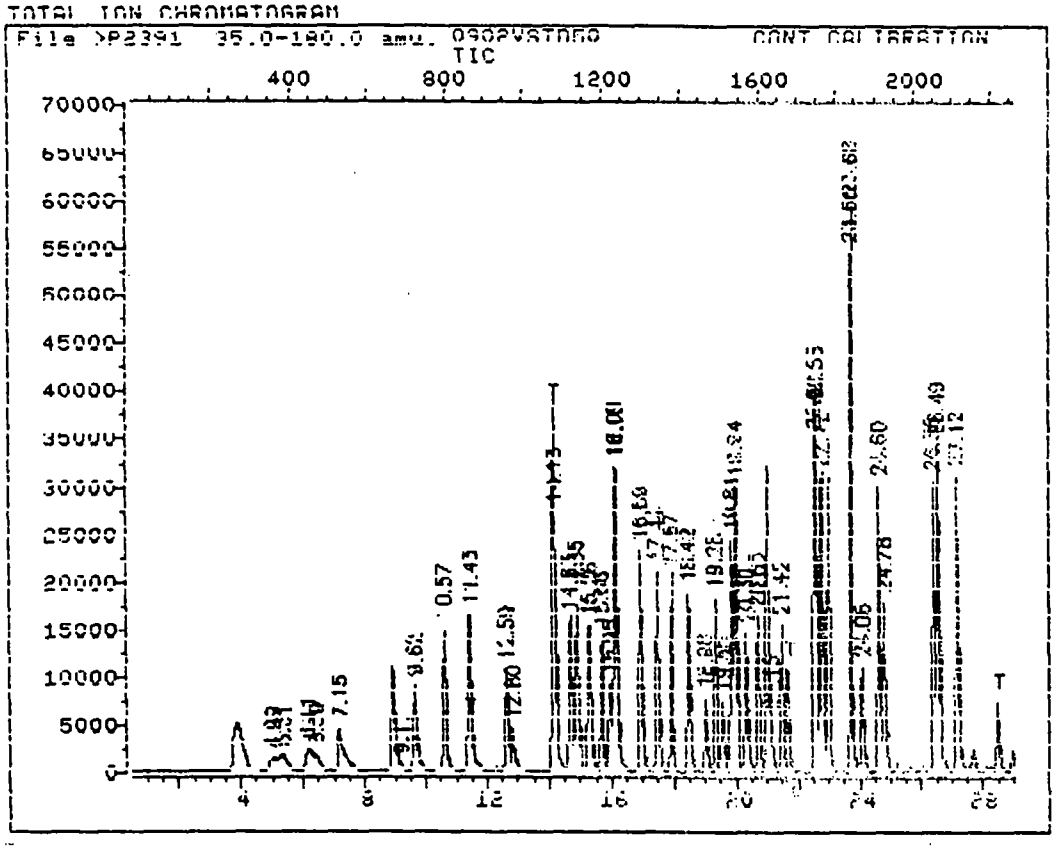
ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units
1)	*BROMOCHLOROMETHANE	14.63	1120	11515	50.00	PPB
2)	Chloromethane	4.99	356	17232	53.10	PPB
3)	Vinyl chloride	5.31	381	16495	51.89	PPB
4)	Chloroethane	6.39	467	9708	59.56	PPB
5)	Bromomethane	6.11	445	14767	51.76	PPB
6)	Trichlorofluoromethane	7.15	527	30133	54.42	PPB
7)	Acrolein	8.60	642	184M	3.08	PPB
8)	1,1-Dichloroethene	8.88	664	16610	50.74	PPB
9)	Carbon disulfide	9.62	723	50178	50.12	PPB
10)	Acetone	9.17	687	3742M	45.12	PPB
11)	Methylene chloride	10.57	798	21892	51.91	PPB
12)	t-1,2-Dichloroethene	11.43	866	19525	52.06	PPB
13)	Acrylonitrile	11.33	858	16539	253.26	PPB
14)	1,1-Dichloroethane	12.59	958	42957	52.23	PPB
15)	Vinyl acetate	12.80	975	31285	47.70	PPB
16)	cis-1,2-Dichloroethylene	14.08	1076	85744	52.47	PPB
17)	2-Butanone	14.13	1080	5227	225.69	PPB
18)	Chloroform	14.85	1137	40982	51.27	PPB
19)	1,1,1-Trichloroethane	15.26	1170	32083	49.12	PPB
20)	*1,4-DIFLUOROBENZENE	16.89	1299	52757	50.00	PPB
21)	Carbon tetrachloride	15.66	1201	26672	45.20	PPB
22)	1,2-DICHLOROETHANE-D4	15.95	1224	21002	48.33	PPB
23)	1,2-Dichloroethane	16.10	1236	26545	52.71	PPB
24)	Benzene	16.09	1235	54184	52.62	PPB
25)	Trichloroethene	17.44	1342	20523	50.94	PPB
26)	1,2-Dichloropropane	17.87	1376	25740	52.77	PPB
27)	Bromodichloromethane	18.42	1420	36358	50.25	PPB
28)	2-Choloroethyl vinyl ether	18.98	1464	9847	44.05	PPB
29)	c-1,3-Dichloropropene	19.28	1488	29510	49.11	PPB
30)	4-Methyl-2-pentanone	19.55	1509	20786	45.72	PPB
31)	TOLUENE-D8	19.81	1530	44504	47.65	PPB
32)	Toluene	19.94	1540	57100	52.57	PPB
33)	t-1,3-Dichloropropene	20.30	1569	22364	46.88	PPB
34)	1,1,2-Trichloroethane	20.65	1596	15209	49.55	PPB
35)	*CHLOROBENZENE-D5	22.50	1743	41556	50.00	PPB
36)	Tetrachloroethene	20.97	1622	21982	40.78	PPB
37)	Dibromochloromethane	21.42	1657	23864	44.44	PPB
38)	2-Hexanone	21.10	1632	12274	40.67	PPB
39)	1,2-Dibromoethane (EDB)	21.64	1675	26520	45.39	PPB
40)	Chlorobenzene	22.55	1747	39776	48.84	PPB
41)	Ethyl benzene	22.72	1760	18474	49.22	PPB

0000152

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.68	1836	39487	49.40	PPB
45)	Bromoform	24.06	1866	15481	42.76	PPB
46)	BROMOFLUOROBENZENE	24.60	1909	34330	45.39	PPB
47)	1,1,2,2-Tetrachloroethane	24.78	1923	29892	48.19	PPB
48)	1,3-Dichlorobenzene	26.35	2048	31205	50.22	PPB
49)	1,4-Dichlorobenzene	26.49	2059	37777	48.41	PPB
50)	1,2-Dichlorobenzene	27.12	2109	31837	51.50	PPB
51)	1,2-Dibromo-3-chloropropane	28.45	2214	4381	43.06	PPB

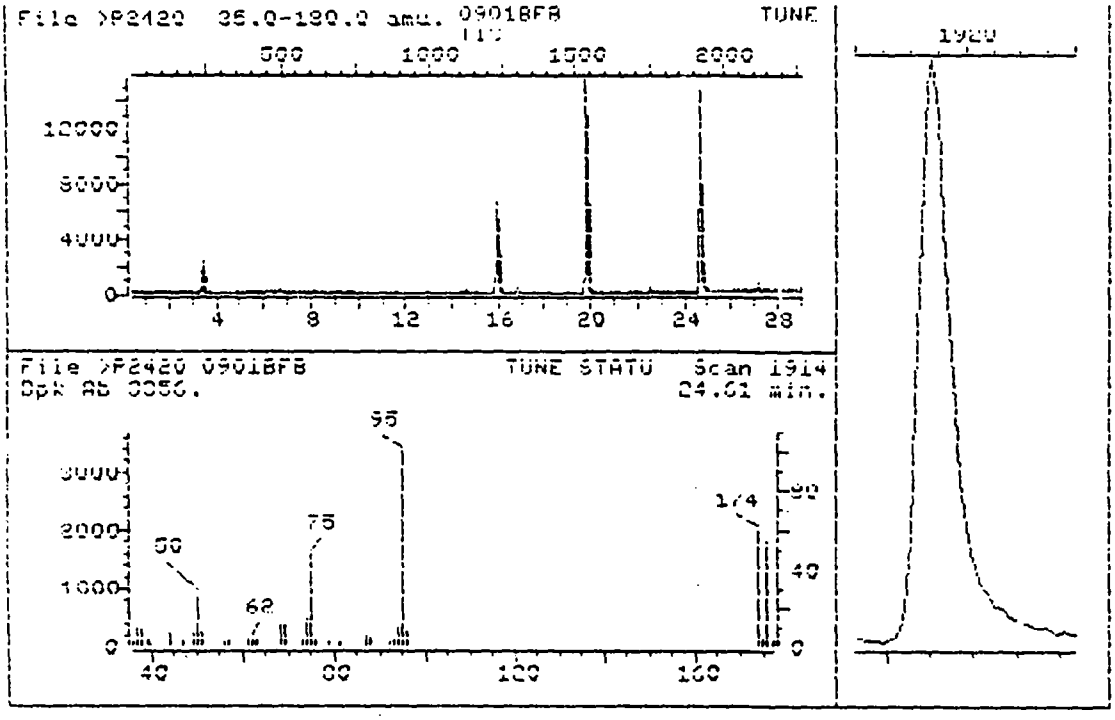
* Compound is ISTD



Data File: >P2391::D2 Quant Output File: ^P2391::D2
Name: 0902VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BOBBA
Quant Time: 940902 10:18
Injected at: 940902 09:48



EMGR : TUNER,=BFB

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	26.38	26.38	Ok
75	30-60% of mass 95	48.50	48.50	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.48	7.48	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.52	59.52	Ok
175	5-9% of mass 174	4.33	7.28	Ok
176	95-101% of mass 174	58.30	98.00	Ok
177	5-9% of mass 176	3.74	6.41	Ok

Injection Date: 09/03/94
Injection Time: 10:54
Data File: >P2420
Scan: 1914

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PAINE Time: 11:29

Contract No: Laboratory ID: >P2471

Instrument ID: HP 5970 INST I Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.43408	1.77		**	
Vinyl chloride	1.38028	1.36465	1.13	*		
Chloroethane	.70771	.85417	20.70			
Bromomethane	1.23891	1.32436	6.90			
Trichlorofluoromethane	2.40421	2.51543	4.63			
1,1-Dichloroethene	1.42145	1.41831	.22	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.15341	4.45			
Acetone	.36013	.27619	23.31			
Methylene chloride	1.83132	1.86500	1.84			
t-1,2-Dichloroethene	1.62841	1.66017	1.95			
Acrylonitrile	.28356	.25708	9.34			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.51713	1.51		**	
Vinyl acetate	2.84778	2.33906	17.86			
cis-1,2-Dichloroethylene	7.09626	6.97549	1.70			
2-Butanone	.10056	.07731	23.13			(Conc=250.00)
Chloroform	3.47089	3.40385	1.93	*		
1,1,1-Trichloroethane	2.83614	2.68159	5.45			
Carbon tetrachloride	.55919	.46881	16.16			
1,2-DICHLOROETHANE-D4	.41185	.37968	7.81			
1,2-Dichloroethane	.47726	.44457	6.85			
Benzene	.97597	.95639	2.01			
Trichloroethene	.38182	.36025	5.65			
1,2-Dichloropropane	.46228	.43792	5.27	*		
Bromodichloromethane	.68567	.62084	9.46			
2-Chloroethyl vinyl ether	.21188	.15759	25.62			
c-1,3-Dichloropropene	.56950	.49544	13.01			
4-Methyl-2-pentanone	.43090	.32908	23.63			
TOLUENE-D8	.88526	.82257	7.08			
Toluene	1.02946	.99257	3.58	*		
t-1,3-Dichloropropene	.45209	.37989	15.97			
1,1,2-Trichloroethane	.29089	.26477	8.98			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000156

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PAINE Time: 11:29

Contract No: Laboratory ID: >P2421

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachlornethene	.64855	.49014	24.43		
Dibromochloromethane	.64605	.50279	22.18		
2-Hexanone	.36311	.24317	33.03		
1,2-Dibromoethane (EDB)	.70304	.55932	20.44		
Chlorobenzene	.97983	.86430	11.79		**
Ethyl benzene	.45162	.40536	10.24	*	
p,m-Xylene	.56669	.51409	9.28		
o-Xylene	.56658	.52310	7.68		
Styrene	.96176	.85047	11.57		
Bromoform	.43566	.32799	24.71		**
BROMOFLUOROBENZENE	.91001	.85866	5.64		
1,1,2,2-Tetrachloroethane	.74629	.63493	14.92		**
1,3-Dichlorobenzene	.74767	.65020	13.04		
1,4-Dichlorobenzene	.93886	.82841	11.76		
1,2-Dichlorobenzene	.74387	.68663	7.69		
1,2-Dibromo-3-chloropropane	.12242	.08669	29.19		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000157

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2421::D1
Data File: >P2421::D2
Name: 0903VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940903 11:59
Injected at: 940903 11:29
Dilution Factor: 1.00000

ID File: IDINN1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

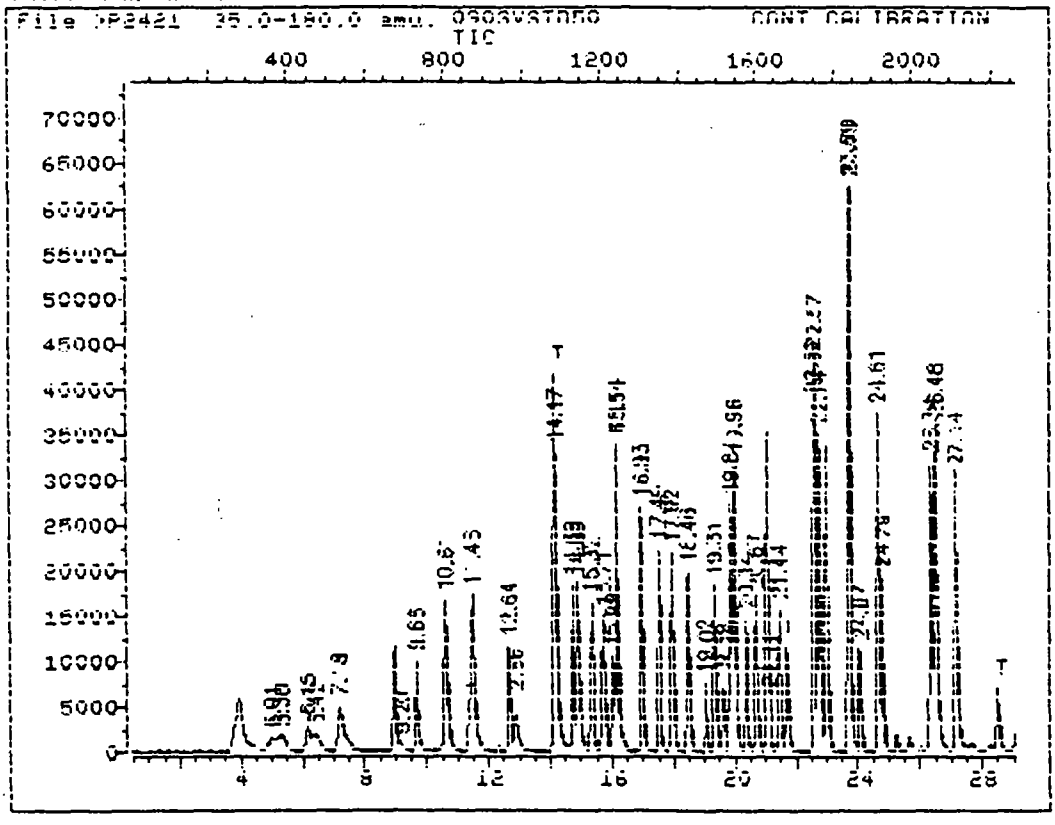
	Compound	R.T.	Scan#	Area	Conc	Units	
1)	*BROMOCHLOROMETHANE	14.69	1127	12933	50.00	PPB	
2)	Chloromethane	5.01	360	18547	50.89	PPB	
3)	Vinyl chloride	5.30	383	17649	49.43	PPB	
4)	Chloroethane	6.42	472	11047	60.35	PPB	
5)	Bromomethane	6.15	451	17128	53.45	PPB	
6)	Trichlorofluoromethane	7.18	532	32532	52.31	PPB	
8)	1,1-Dichloroethene	8.93	671	18343	49.89	PPB	
9)	Carbon disulfide	9.66	729	53716	47.78	PPB	
10)	Acetone	9.20	692	35?2M	58.35	PPB	
11)	Methylene chloride	10.61	804	24120	50.92	PPB	
12)	t-1,2-Dichloroethene	11.46	871	21471	50.98	PPB	
13)	Acrylonitrile	11.35	863	16624	226.65	PPB	
14)	1,1-Dichloroethane	12.64	965	45487	49.24	PPB	
15)	Vinyl acetate	12.86	982	30251	41.07	PPB	
16)	cis-1,2-Dichloroethylene	14.14	1084	90214	49.15	PPB	
17)	2-Butanone	14.17	1086	4999	192.18	PPB	
18)	Chloroform	14.89	1143	44022	49.03	PPB	
19)	1,1,1-Trichloroethane	15.32	1177	34681	47.23	PPB	
20)	*1,4-DIFLUOROBENZENE	16.93	1305	60694	50.00	PPB	
21)	Carbon tetrachloride	15.71	1208	28454	41.92	PPB	
22)	1,2-DICHLOROETHANE-D4	15.99	1230	23044	46.09	PPB	
23)	1,2-Dichloroethane	16.15	1243	26983	46.58	PPB	
24)	Benzene	16.14	1242	58047	49.00	PPB	1
25)	Trichloroethene	17.49	1349	21865	47.18	PPB	
26)	1,2-Dichloropropane	17.92	1383	26579	47.36	PPB	
27)	Bromodichloromethane	18.46	1426	37681	45.27	PPB	
28)	2-Chloroethyl vinyl ether	19.02	1470	9565	37.19	PPB	
29)	c-1,3-Dichloropropene	19.31	1493	30070	43.50	PPB	
30)	4-Methyl-2-pentanone	19.59	1515	19973	38.18	PPB	
31)	TOLUENE-D8	19.84	1535	49925	46.46	PPB	
32)	Toluene	19.96	1545	60243	48.21	PPB	
33)	t-1,3-Dichloropropene	20.34	1575	23057	42.02	PPB	
34)	1,1,2-Trichloroethane	20.67	1601	16070	45.51	PPB	
35)	*CHLOROBENZENE-D5	22.52	1747	49188	50.00	PPB	
36)	Tetrachloroethene	21.00	1627	24109	37.79	PPB	
37)	Dibromochloromethane	21.44	1662	24731	38.91	PPB	
38)	2-Hexanone	21.11	1636	11961M	33.48	PPB	
39)	1,2-Dibromoethane (EDB)	21.67	1680	27512	39.78	PPB	
40)	Chlorobenzene	22.57	1751	42513	44.10	PPB	
41)	Ethyl benzene	22.74	1765	19939	44.88	PPB	
42)	p,m-Xylene	22.96	1782	25287M	45.36	PPB	
43)	o-Xylene	23.69	1840	25730	46.16	PPB	
44)	Styrene	23.70	1841	41833	44.21	PPB	

0000158

	Compound	R.T.	Scan#	Area	Conc	Units
45)	Bromoform	24.07	1870	16133	37.64	PPB
46)	BROMOFLUOROBENZENE	24.61	1913	42236	47.18	PPB
47)	1,1,2,2-Tetrachloroethane	24.79	1927	31231	42.54	PPB
48)	1,3-Dichlorobenzene	26.34	2050	31982	43.48	PPB
49)	1,4-Dichlorobenzene	26.48	2061	40748	44.12	PPB
50)	1,2-Dichlorobenzene	27.14	2113	33774	46.15	PPB
51)	1,2-Dibromo-3-chloropropane	28.48	2219	4264	35.41	PPB

* Compound is ISTD

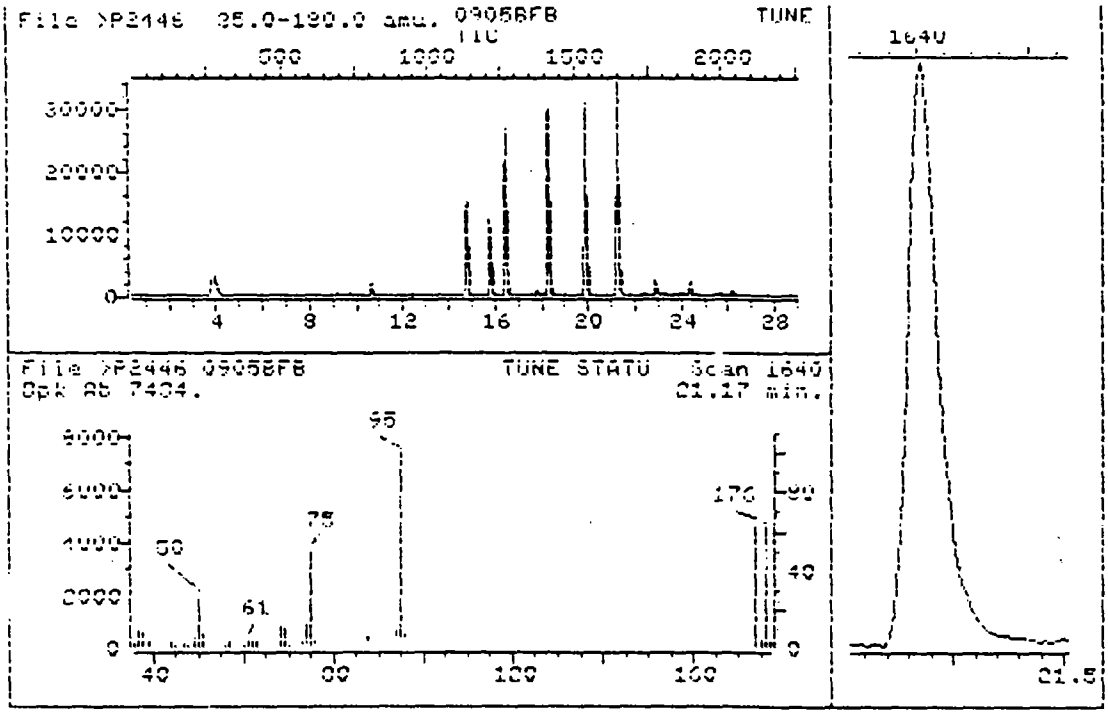
TOTAL ION CHROMATOGRAM



Data File: >P2421::D2 Quant Output File: ^P2421::D1
Name: 0903VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940903 11:59
Injected at: 940903 11:29



MMGR : TUNER,=BFB

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	26.59	26.59	Ok
75	30-60% of mass 95	49.65	49.65	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.04	7.04	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	82.51	82.51	Ok
175	5-9% of mass 174	4.69	7.51	Ok
176	95-101% of mass 174	82.63	100.19	Ok
177	5-9% of mass 176	4.30	6.87	Ok

Injection Date: 09/05/94
Injection Time: 11:13
Data File: >P2446
Scan: 1640

Continuing Calibration Check
HSL Compounds

Case No:
Calibration Date: 09/05/94
Contractor: WEST PAINE
Time: 13:04
Contract No:
Laboratory ID: >P2448
Instrument ID: HP 5970 INST 1
Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30
Maximum % Diff for CCC is 25%

Compound	RF	$\overline{RF}$	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.33710	5.11		**	
Vinyl chloride	1.38028	1.30472	5.47	*		
Chloroethane	.70771	.87654	23.86			
Bromomethane	1.23891	1.30083	5.00			
Trichlorofluoromethane	2.40421	2.49136	3.63			
1,1-Dichloroethene	1.42145	1.42272	.09	*		
Acrolein	.25936	.00531	97.95			(Conc=250.00)
Carbon disulfide	4.34677	4.14297	4.69			
Acetone	.36013	.23921	33.58			
Methylene chloride	1.83132	1.79982	1.72			
t-1,2-Dichloroethene	1.62841	1.70605	4.77			
Acrylonitrile	.28356	.24687	12.94			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.58558	.40		**	
Vinyl acetate	2.84778	2.21880	22.09			
cis-1,2-Dichloroethylene	7.09626	6.77784	4.49			
2-Butanone	.10056	.07485	25.57			(Conc=250.00)
Chloroform	3.47089	3.42735	1.25	*		
1,1,1-Trichloroethane	2.83614	2.69027	5.14			
Carbon tetrachloride	.55919	.47373	15.28			
1,2-DICHLOROETHANE-D4	.41185	.39028	5.24			
1,2-Dichloroethane	.47726	.45637	4.38			
Benzene	.97597	.99475	1.92			
Trichloroethene	.38182	.37801	1.00			
1,2-Dichloropropane	.46228	.45221	2.18	*		
Bromodichloromethane	.68567	.64375	6.11			
2-Choloroethyl vinyl ether	.21188	.16124	23.90			
c-1,3-Dichloropropene	.56950	.50836	10.74			
4-Methyl-2-pentanone	.43090	.30989	28.08			
TOLUENE-D8	.88526	.85931	2.93			
Toluene	1.02946	1.03766	.80	*		
t-1,3-Dichloropropene	.45209	.38542	14.75			
1,1,2-Trichloroethane	.29089	.26679	8.29			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000162

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/05/94

Contractor: WEST PAINE Time: 13:04

Contract No: Laboratory ID: >P2448

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.55850	13.89		
Dibromochloromethane	.64605	.55394	14.26		
2-Hexanone	.36311	.24599	32.25		
1,2-Dibromoethane (EDB)	.70304	.58875	16.26		
Chlorobenzene	.97983	.96104	1.92		**
Ethyl benzene	.45162	.45295	.30	*	
p,m-Xylene	.56669	.57797	1.99		
o-Xylene	.56658	.58491	3.23		
Styrene	.96176	.95376	.83		
Bromoform	.43566	.35798	17.83		**
BROMOFLUOROBENZENE	.91001	.86815	4.60		
1,1,2,2-Tetrachloroethane	.74629	.67906	9.01		**
1,3-Dichlorobenzene	.74767	.71940	3.78		
1,4-Dichlorobenzene	.93886	.87533	6.77		
1,2-Dichlorobenzene	.74387	.71886	3.36		
1,2-Dibromo-3-chloropropane	.12242	.08797	28.14		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000163

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2448::D1
Data File: >P2448::D1
Name: 0905STD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940905 13:34
Injected at: 940905 13:04
Dilution Factor: 1.00000

ID File: 1D1N01::B3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

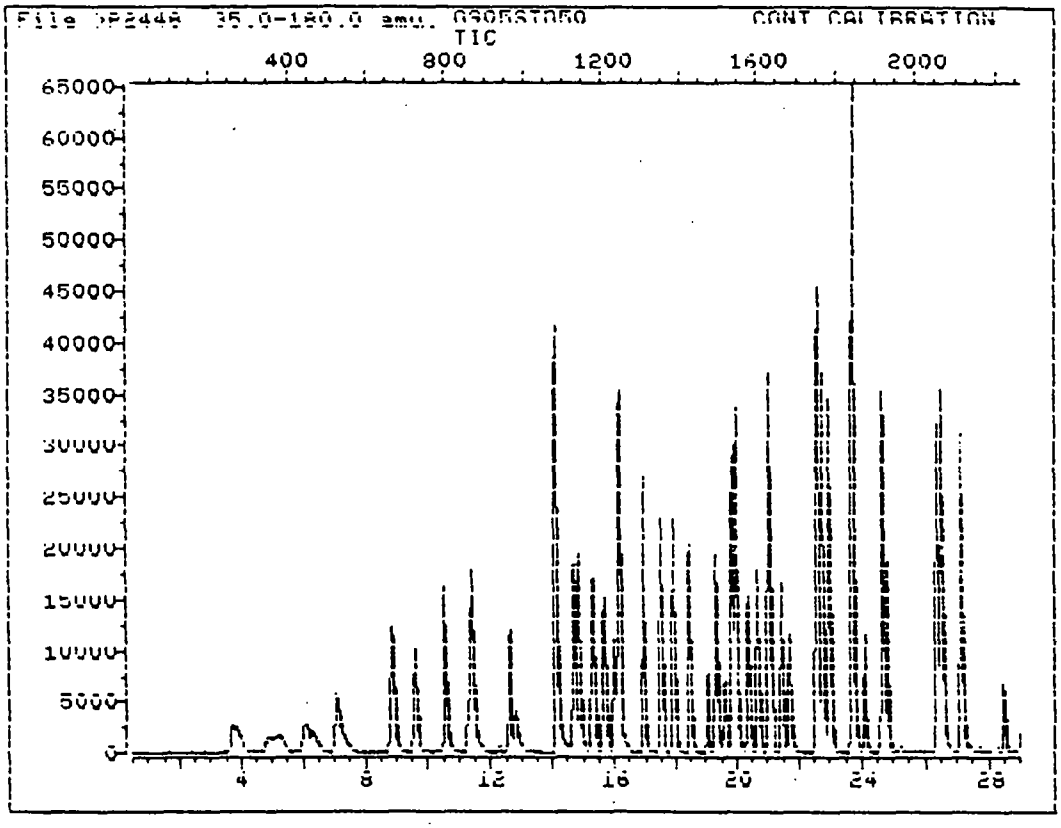
	Compound	R.T.	Scan#	Area	Conc	Units	
1)	*BROMOCHLOROMETHANE	14.65	1125	13373	50.00	PPB	
2)	Chloromethane	4.91	353	17881	47.44	PPB	
3)	Vinyl chloride	5.23	378	17448	47.26	PPB	
4)	Chloroethane	6.32	465	11722	61.93	PPB	
5)	Bromomethane	6.05	443	17396	52.50	PPB	
6)	Trichlorofluoromethane	7.08	525	33317	51.81	PPB	
7)	Acrolein	8.53	640	355	5.12	PPB	
8)	1,1-Dichloroethene	8.84	664	19026	50.04	PPB	
9)	Carbon disulfide	9.57	722	55404	47.66	PPB	
10)	Acetone	9.09	684	3199M	33.21	PPB	
11)	Methylene chloride	10.53	798	24069	49.14	PPB	
12)	t-1,2-Dichloroethene	11.49	867	22815	52.38	PPB	
13)	Acrylonitrile	11.30	859	16507	217.65	PPB	
14)	1,1-Dichloroethane	12.58	961	47950	50.20	PPB	
15)	Vinyl acetate	12.80	978	29672	38.96	PPB	
16)	cis-1,2-Dichloroethylene	14.10	1081	90640	47.76	PPB	
17)	2-Butanone	14.14	1084	5005	186.08	PPB	
18)	Chloroform	14.37	1142	45834	49.37	PPB	
19)	1,1,1-Trichloroethane	15.28	1175	35977	47.43	PPB	
20)	*1,4-DIFLUOROBENZENE	16.91	1304	62086	50.00	PPB	
21)	Carbon tetrachloride	15.68	1206	29412	42.36	PPB	
22)	1,2-DICHLOROETHANE-D4	15.97	1229	24231	47.38	PPB	
23)	1,2-Dichloroethane	16.13	1242	28334	47.81	PPB	
24)	Benzene	16.11	1240	61760	50.96	PPB	
25)	Trichloroethene	17.47	1348	23469	49.50	PPB	
26)	1,2-Dichloropropane	17.91	1383	28076	48.91	PPB	
27)	Bromodichloromethane	18.45	1426	39968	46.94	PPB	
28)	2-Choloroethyl vinyl ether	19.02	1471	10011	38.05	PPB	
29)	c-1,3-Dichloropropene	19.31	1494	31562	44.63	PPB	
30)	4-Methyl-2-pentanone	19.59	1516	19240	35.96	PPB	
31)	TOLUENE-D8	19.84	1536	53351	48.53	PPB	
32)	Toluene	19.97	1546	64424	50.40	PPB	
33)	t-1,3-Dichloropropene	20.35	1576	23929	42.63	PPB	
34)	1,1,2-Trichloroethane	20.69	1603	16564	45.86	PPB	
35)	*CHLOROBENZENE-D5	22.53	1749	46539	50.00	PPB	
36)	Tetrachloroethene	21.00	1628	25992	43.06	PPB	
37)	Dibromochloromethane	21.46	1664	25780	42.87	PPB	
38)	2-Hexanone	21.13	1638	11448	33.87	PPB	
39)	1,2-Dibromoethane (EDB)	21.69	1682	27400	41.87	PPB	
40)	Chlorobenzene	22.58	1753	44726	49.04	PPB	
41)	Ethyl benzene	22.76	1767	21080	50.15	PPB	
42)	p,m-Xylene	22.87	1784	26898M	51.00	PPB	

0000164

	Compound	R.T.	Scan#	Area	Conc	Units
44)	Styrene	23.72	1843	44387	49.58	PPB
45)	Bromoform	24.09	1872	16660	41.08	PPB
46)	BROMOFLUOROBENZENE	24.63	1915	40403	47.70	PPB
47)	1,1,2,2-Tetrachloroethane	24.81	1929	31603	45.50	PPB
48)	1,3-Dichlorobenzene	26.36	2052	33480	48.11	PPB
49)	1,4-Dichlorobenzene	26.50	2063	40737	46.62	PPB
50)	1,2-Dichlorobenzene	27.14	2114	33455	48.32	PPB
51)	1,2-Dibromo-3-chloropropane	28.48	2220	4094	35.93	PPB

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2448::D1 Quant Output File: ^P2448::D1
Name: 090SSTD50
Misc: CONT CALIBRATION

Id File: ID:NW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940905 13:34
Injected at: 940905 13:04

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/03/94

Lab File ID : >P2421 Time Analyzed: 11:29

	0903VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12933		14.69		60694	16.93		49188	22.52	
	UPPER LIMIT	25866		15.19		121388	17.43		98376	23.02	
	LOWER LIMIT	6467		14.19		30347	16.43		24594	22.02	
	SAMPLE NO.										
01	0903VBLK	11605		14.68		55084	16.92		43987	22.52	
02	9408260024	11924		14.69		57147	16.95		42884	22.54	
03	9408260025	8563		14.70		40359	16.93		33739	22.52	
04	9408260027	10547		14.70		49353	16.94		39794	22.54	
05	9408260028	12476		14.70		57738	16.95		45102	22.53	
06	9408260042	12404		14.71		56535	16.96		44667	22.54	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/02/94

Lab File ID: >P2391 Time Analyzed: 9:48

	0902VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	11515		14.63		52757	16.89		41556	22.50	
	UPPER LIMIT	23030		15.13		105514	17.39		83112	23	
	LOWER LIMIT	5758		14.13		26379	16.39		20778	22	
	SAMPLE NO.										
01	0902VBLK	11142		14.56		52238	16.82		38106	22.46	
02	940826002[illegible]	10452		14.53		48820	16.82		36139	22.47	
03	9408260022	11419		14.63		52838	16.87		39436	22.49	
04	9408260023	10987		14.61		50713	16.86		37596	22.46	
05			*		*			*			*
06			*		*			*			*
07			*		*			*			*
08			*		*			*			*
09			*		*			*			*
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/05/94

Lab File ID : >P2448 Time Analyzed: 13:04

	0905STD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	13373		14.65		62086	16.91		46539	22.53	
	UPPER LIMIT	26746		15.15		124172	17.41		93078	23.03	
	LOWER LIMIT	6687		14.15		31043	16.41		23269.5	22.03	
	SAMPLE NO										
01	0905BLK	11149		14.70		53129	16.95		40151	22.54	
02	9408260026	11461		14.71		55102	16.96		41429	22.54	
03	9408260029	10907		14.73		52265	16.96		39186	22.55	
04		*		*		*	*		*	*	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2392::D1
Data File: >P2392::D2
Name: 0902VBLK
Misc: METHOD BLANK

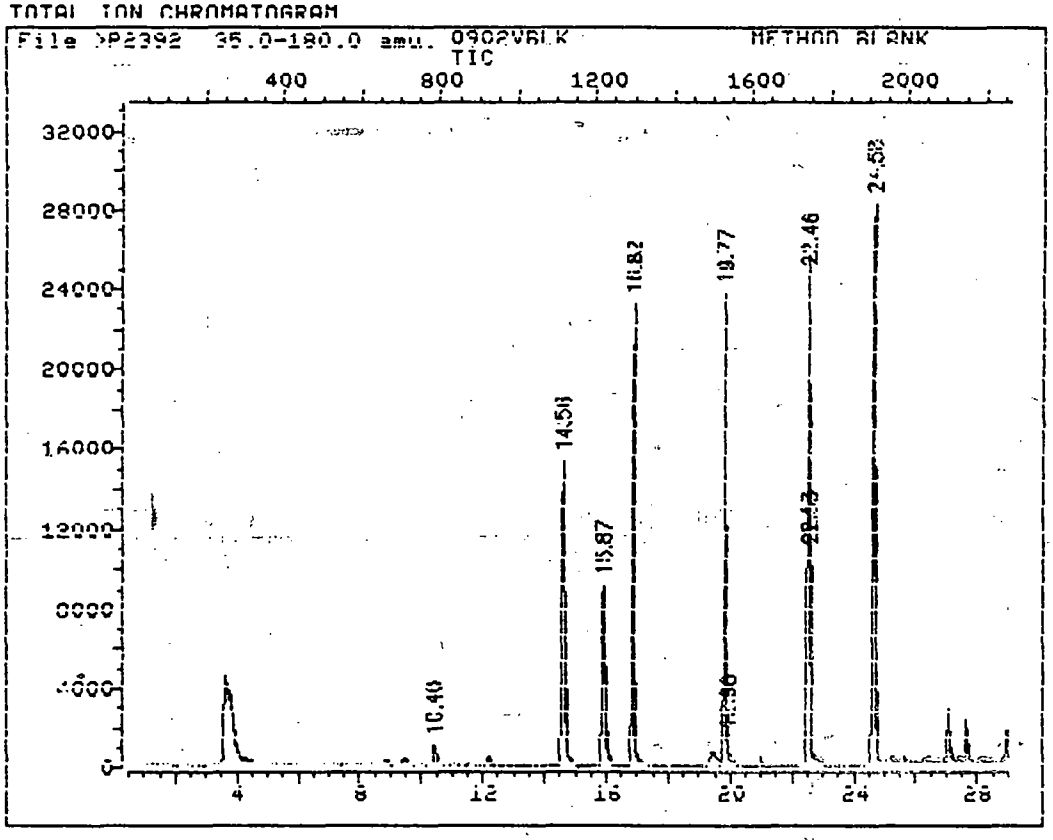
Quant Rev: 6 Quant Time: 940902 11:29
Injected at: 940902 10:45
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

	Compound	R.T.	Scan#	Area	Conc.	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1117	11142	50.00	PPB	73
11)	Methylene chloride	10.40	787	1355	3.20	PPB	80
20)	*1,4-DIFLUOROBENZENE	16.82	1296	52238	50.00	PPB	87
22)	1,2-DICHLOROETHANE-D4	15.87	1221	19760	47.51 95	PPB	87
31)	TOLUENE-D8	19.77	1530	43890	49.80 900	PPB	97
32)	Toluene	19.90	1540	477	.42	PPB	93
35)	*CHLOROBENZENE-D5	22.46	1743	38106	50.00	PPB	87
36)	Tetrachloroethene	20.96	1624	252	.63	PPB	98
40)	Chlorobenzene	22.53	1748	1184	1.62	PPB	86
46)	BROMOFLUOROBENZENE	24.58	1911	34880	55.40 //	PPB	66

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2392::D2 Quant Output File: ^P2392::D1
Name: 0902VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

Operator ID: BUBBA
Quant Time: 940902 11:29
Injected at: 940902 10:45

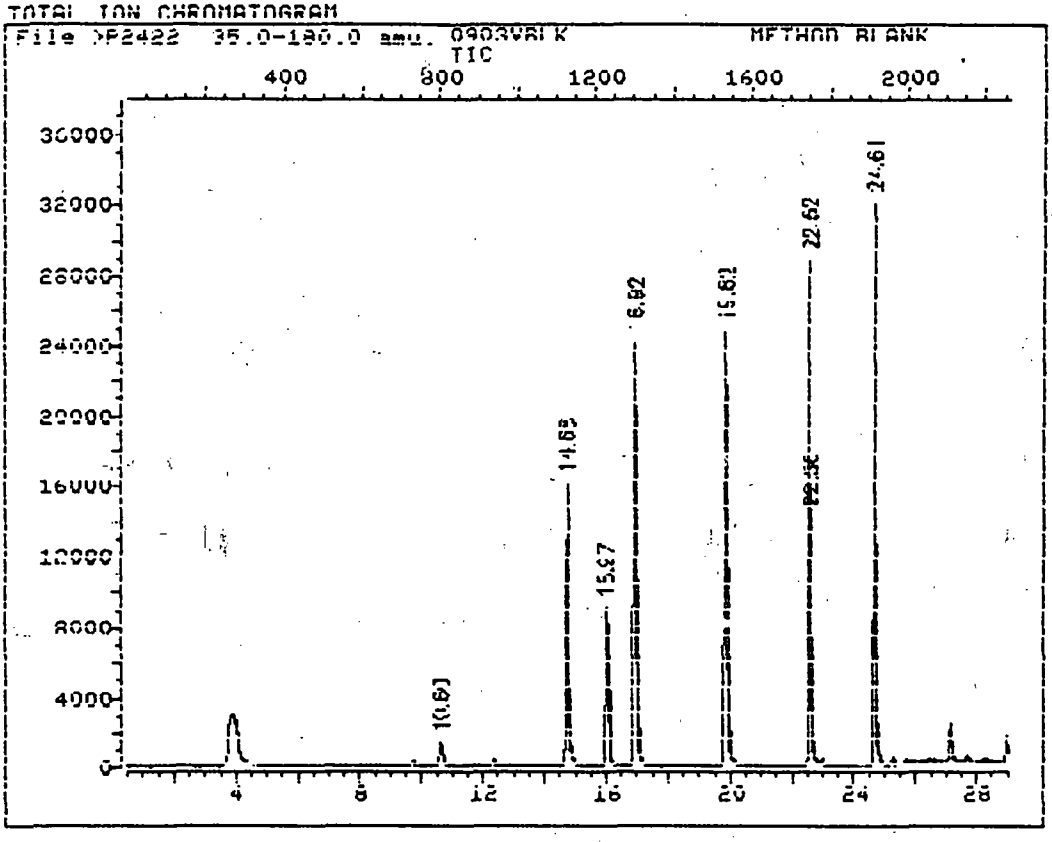
QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 12:41
Output File: ^P2422::D1 Injected at: 940903 12:04
Data File: >P2422:^D2 Dilution Factor: 1.00000
Name: 0903VBLK
Misc: METHOD BLANK

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	11605	50.00	PPB	76
11)	Methylene chloride	10.60	804	1961	4.53	PPB	76
20)	*1,4-DIFLUOROBENZENE	16.92	1304	55084	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	15.97	1229	19936	47.66	PPB	78
31)	TOLUENE-D8	19.82	1534	46071	50.84	PPB	98
35)	*CHLOROBENZENE-D5	22.52	1748	43987	50.00	PPB	89
40)	Chlorobenzene	22.56	1751	1246	1.64	PPB	88
46)	BROMOFLUOROBENZENE	24.61	1914	38696	51.23	PPB	70

* Compound is ISTD



Data File: >P2422::D2 Quant Output File: ^P2422::D1
Name: 0903VBLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 12:41
Injected at: 940903 12:04

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2449::D1
Data File: >P2449::D1
Name: 0905BLK
Misc: METHOD BLANK

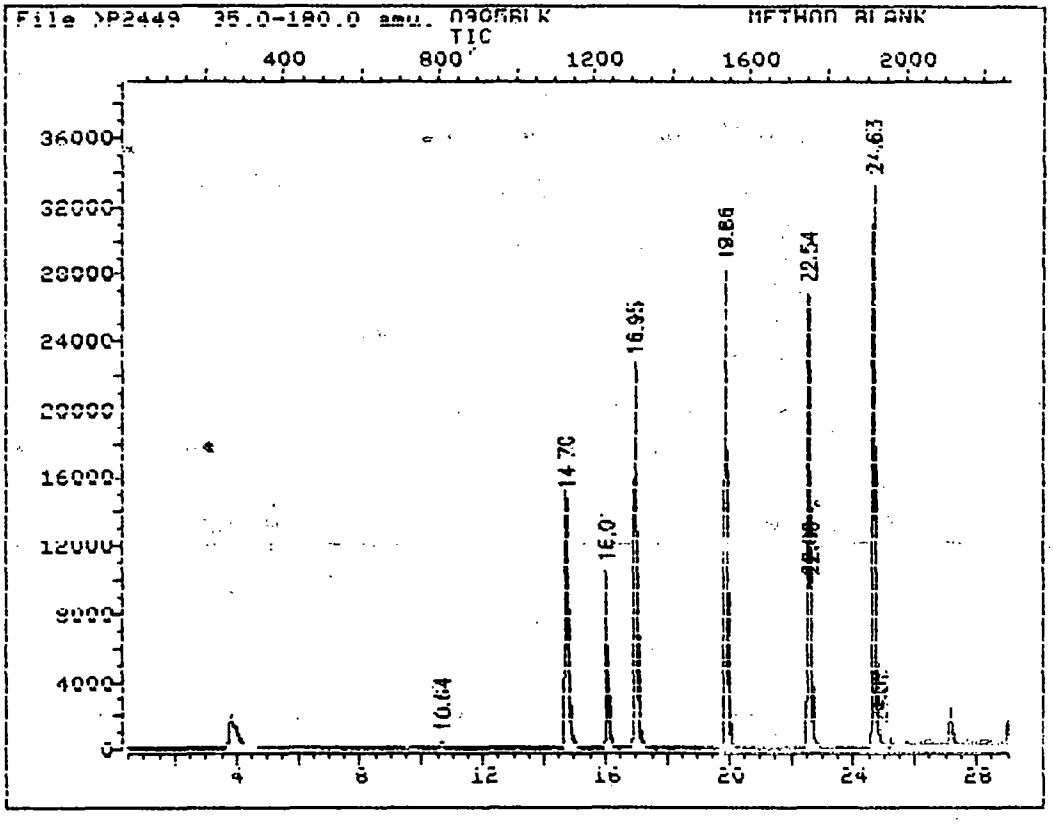
Quant Rev: 6 Quant Time: 940906 06:27
Injected at: 940905 13:39
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 06:11

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1129	11149	50.00	PPB	80
11)	Methylene chloride	10.64	807	457	1.14	PPB	77
20)	*1,4-DIFLUOROBENZENE	16.95	1307	53129	50.00	PPB	87
22)	1,2-DICHLOROETHANE-D4	16.01	1233	22561	54.40	PPB	80
31)	TOLUENE-D8	19.86	1538	50394M	55.19	PPB	98
35)	*CHLOROBENZENE-D5	22.54	1750	40151	50.00	PPB	94
40)	Chlorobenzene	22.60	1755	1141	1.48	PPB	94
46)	BROMOFLUOROBENZENE	24.63	1916	40093	57.51	PPB	71
47)	1,1,2,2-Tetrachloroethane	24.82	1931	159	.29	PPB	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2449::D1 Quant Output File: ^P2449::D1
Name: 0905BLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: JOA IDFILE
Last Calibration: 940906 06:11

Operator ID: BUBBA
Quant Time: 940906 06:27
Injected at: 940905 13:39

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WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260022MS and 9408260023MSD Level:(low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	50.0	< 5.0	51.3	103	61-145
Trichloroethene	50.0	< 5.0	53.8	108	71-120
Benzene	50.0	< 5.0	52.5	105	76-127
Toluene	50.0	< 5.0	48.7	97	76-125
Chlorobenzene	50.0	< 5.0	53.4	107	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	55.6	111	8	14	61-145
Trichloroethene	50.0	53.6	107	1	14	71-120
Benzene	50.0	51.4	103	2	11	76-127
Toluene	50.0	48.9	98	1	13	76-125
Chlorobenzene	50.0	54.0	108	1	13	75-130

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

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

COMMENTS: VOWLO-268

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 08/26/94

SAMPLE NO. : 9408260022
CLIENT ID : SBA-MW03 MS
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: hjp ANALYSIS DATE: 09/02/94 METHOD: 8240
ANALYSIS TIME: 15:25 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	5
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000177

QUANT REPORT

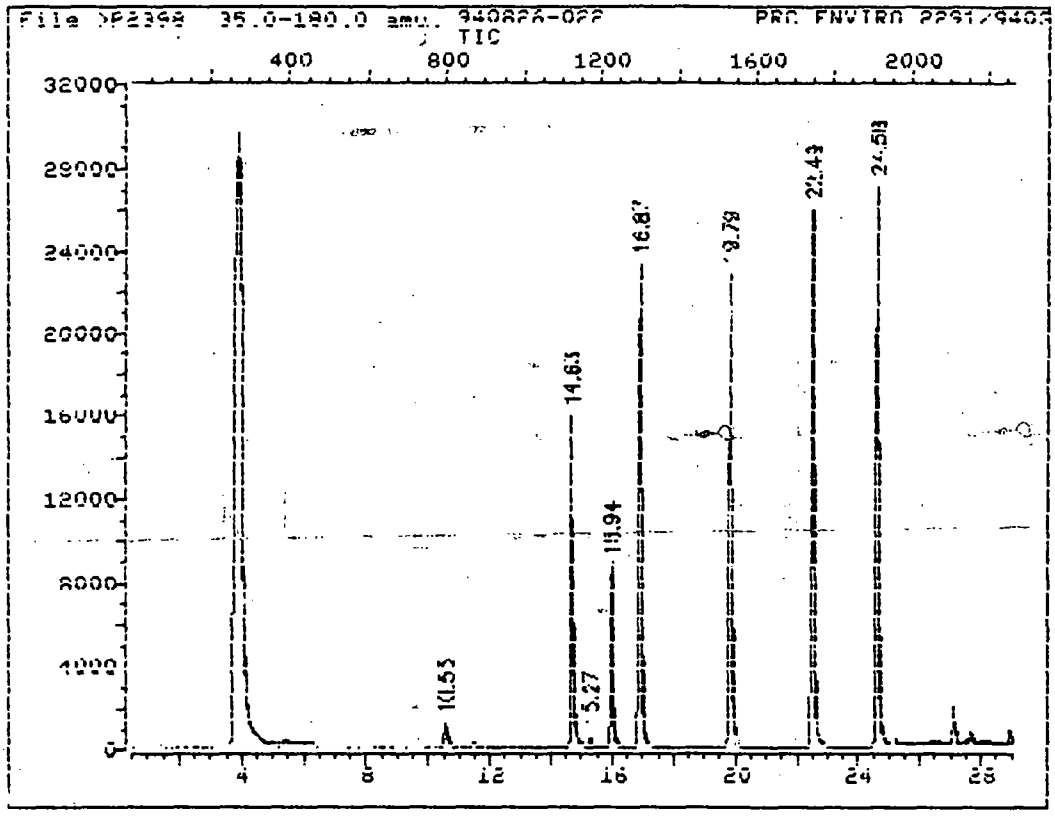
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940902 15:54
Output File: ^P2398::D1 Injected at: 940902 15:25
Data File: >P2398::D2 Dilution Factor: 1.00000
Name: 940826-022
Misc: PRC ENVIRO 2291/940301//NEAT/JS

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940902 11:27

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.63	1123	11419	50.00	PPB	75
11)	Methylene chloride	10.55	800	1670	~~2.85~~	PPB	77
19)	1,1,1-Trichloroethane	15.27	1174	1350	~~2.12~~	PPB	93
20)	*1,4-DIFLUOROBENZENE	16.87	1301	52838	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	15.94	1227	19620	46.64 93	PPB	84
31)	TOLUENE-D8	19.79	1532	42872	48.09 96	PPB	99
35)	*CHLOROBENZENE-D5	22.49	1746	39436	50.00	PPB	89
46)	BROMOFLUOROBENZENE	24.58	1912	33217	50.98 102	PPB	66

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2398::D2 Quant Output File: ^P2398::D1
Name: 940826-022
Misc: PRC ENVIRO 2291/9403017/NEAT/35

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

Operator ID: BUBBA
Quant Time: 940902 15:54
Injected at: 940902 15:25

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO. :
REPORT DATE : 09/27/94
MATRIX : WATER
RECEIVE DATE: 09/26/94

SAMPLE NO. : 9408260023
CLIENT ID : SBA-MW03(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 13:35

ANALYST: hjp ANALYSIS DATE: 09/02/94 METHOD: 8240
ANALYSIS TIME: 16:01 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	5
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940902 16:31
Output File: ^P2399::D1 Injected at: 940902 16:01
Data File: >P2399::D2 Dilution Factor: 1.00000
Name: 940826-023
Misc: PRC ENVIRO 2291/940301//NEAT/JS

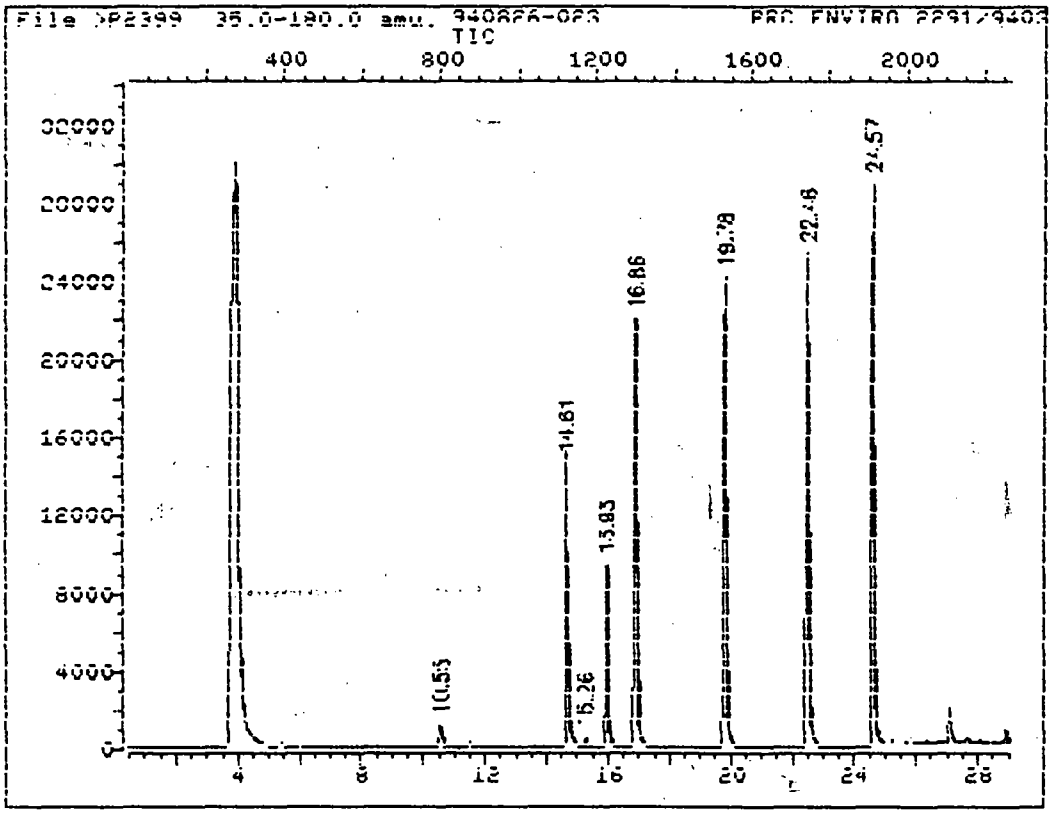
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

	Compound	R.T.	Scan#	Area	Conc		Units	q
1)	*BROMOCHLOROMETHANE	14.61	1122	10987	50.00		PPB	
11)	Methylene chloride	10.55	800	1651	~~3.95~~		PPB	
19)	1,1,1-Trichloroethane	15.26	1173	1308	~~2.14~~		PPB	
20)	*1,4-DIFLUOROBENZENE	16.86	1300	50713	50.00		PPB	
22)	1,2-DICHLOROETHANE-D4	15.93	1226	20493	50.75	102	PPB	
31)	TOLUENE-D8	19.78	1531	44623	52.15	104	PPB	
35)	*CHLOROBENZENE-D5	22.46	1744	37596	50.00		PPB	
46)	BROMOFLUOROBENZENE	24.57	1911	35109	56.52	113	PPB	

* Compound is ISTD

0000181

TOTAL ION CHROMATOGRAM



Data File: >P2399::D2 Quant Output File: ^P2399::D1
Name: 940826-023
Misc: PRC ENVIRO 2291/9403012//NEAT/JS

Id File: ID^CW1::A3
Title: VOA IDFILE
Last Calibration: 940902 11:27

Operator ID: BUBBA
Quant Time: 940902 16:31
Injected at: 940902 16:01

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 272.1

PARAMETER: Silver
TEST CODE: AG D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Ag)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.01	08/25/94 13:35	08/29/94	08/29/94 15:35	hbr
9408260022	SBA-MW03 MS	<DL	0.01	08/25/94 13:35	08/29/94	08/29/94 15:35	hbr
9408260023	SBA-MW03(MSD)	<DL	0.01	08/25/94 13:35	08/29/94	08/29/94 15:35	hbr
9408260024	SBA-MW02A	<DL	0.01	08/25/94 13:35	08/29/94	08/29/94 15:35	hbr
9408260025	SBA-MW02B	<DL	0.01	08/25/94 14:15	08/29/94	08/29/94 15:35	hbr
9408260026	SBA-MW01	<DL	0.01	08/25/94 14:40	08/29/94	08/29/94 15:35	hbr
9408260027	SBA-ER02	<DL	0.01	08/25/94 15:25	08/29/94	08/29/94 15:35	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 206.2

PARAMETER: Arsenic
TEST CODE: AS F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L As)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	0.053	0.01	08/25/94 13:35	08/29/94	08/29/94 13:45	hbr
9408260022	SBA-MW03 MS	0.053	0.01	08/25/94 13:35	08/29/94	08/29/94 13:45	hbr
9408260023	SBA-MW03 (MSD)	0.053	0.01	08/25/94 13:35	08/29/94	08/29/94 13:45	hbr
9408260024	SBA-MW02A	<DL	0.01	08/25/94 13:35	08/29/94	08/29/94 13:45	hbr
9408260025	SBA-MW02B	<DL	0.01	08/25/94 14:15	08/29/94	08/29/94 13:45	hbr
9408260026	SBA-MW01	<DL	0.01	08/25/94 14:40	08/29/94	08/29/94 13:45	hbr
9408260027	SBA-ER02	<DL	0.01	08/25/94 15:25	08/29/94	08/29/94 13:45	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Beryllium
TEST CODE: BE D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Be)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.01	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.01	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.01	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:

PARAMETER: Cadmium
TEST CODE: CD D
MATRIX : WATER

REPORT DATE: 09/27/94
METHOD : 200.7

ALL UNITS ARE REPORTED IN (mg/L Cd)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.01	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.01	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.01	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Chromium
TEST CODE: CR D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Cr)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.05	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.05	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.05	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Copper
TEST CODE: CU D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Cu)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	0.031	0.02	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	0.031	0.02	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03 (MSD)	0.031	0.02	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	0.026	0.02	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	0.030	0.02	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.02	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.02	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 245.1

PARAMETER: Mercury
TEST CODE: HGCV
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Hg)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.0002	08/25/94 13:35	08/29/94	08/30/94 10:45	sod
9408260022	SBA-MW03 MS	<DL	0.0002	08/25/94 13:35	08/29/94	08/30/94 10:45	sod
9408260023	SBA-MW03(MSD)	<DL	0.0002	08/25/94 13:35	08/29/94	08/30/94 10:45	sod
9408260024	SBA-MW02A	<DL	0.0002	08/25/94 13:35	08/29/94	08/30/94 10:45	sod
9408260025	SBA-MW02B	<DL	0.0002	08/25/94 14:15	08/29/94	08/30/94 10:45	sod
9408260026	SBA-MW01	0.0005	0.0002	08/25/94 14:40	08/29/94	08/30/94 10:45	sod
9408260027	SBA-ER02	<DL	0.0002	08/25/94 15:25	08/29/94	08/30/94 10:45	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Nickel
TEST CODE: NI D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Ni)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.05	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.05	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.05	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.05	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Lead
TEST CODE: PB D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Pb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03 (MSD)	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.1	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.1	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.1	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Antimony
TEST CODE: SB D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Sb) **PREP REQUIRED:** Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	<DL	0.1	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	<DL	0.1	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	<DL	0.1	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	<DL	0.1	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 270.2

PARAMETER: Selenium
TEST CODE: SE F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Se)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.002	08/25/94 13:35	08/29/94	08/30/94 08:45	hbr
9408260022	SBA-MW03 MS	<DL	0.002	08/25/94 13:35	08/29/94	08/30/94 08:45	hbr
9408260023	SBA-MW03(MSD)	<DL	0.002	08/25/94 13:35	08/29/94	08/30/94 08:45	hbr
9408260024	SBA-MW02A	<DL	0.002	08/25/94 13:35	08/29/94	08/30/94 08:45	hbr
9408260025	SBA-MW02B	<DL	0.002	08/25/94 14:15	08/29/94	08/30/94 08:45	hbr
9408260026	SBA-MW01	0.003	0.002	08/25/94 14:40	08/29/94	08/30/94 08:45	hbr
9408260027	SBA-ER02	<DL	0.002	08/25/94 15:25	08/29/94	08/30/94 08:45	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 279.2

PARAMETER: Thallium
TEST CODE: TL F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Tl)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET_LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.003	08/25/94 13:35	08/29/94	08/30/94 16:00	sod
9408260022	SBA-MW03 MS	<DL	0.003	08/25/94 13:35	08/29/94	08/30/94 16:00	sod
9408260023	SBA-MW03 (MSD)	<DL	0.003	08/25/94 13:35	08/29/94	08/30/94 16:00	sod
9408260024	SBA-MW02A	<DL	0.003	08/25/94 13:35	08/29/94	08/30/94 16:00	sod
9408260025	SBA-MW02B	<DL	0.003	08/25/94 14:15	08/29/94	08/30/94 16:00	sod
9408260026	SBA-MW01	<DL	0.003	08/25/94 14:40	08/29/94	08/30/94 16:00	sod
9408260027	SBA-ER02	<DL	0.003	08/25/94 15:25	08/29/94	08/30/94 16:00	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 200.7

PARAMETER: Zinc
TEST CODE: ZN D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Zn)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	0.049	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260022	SBA-MW03 MS	0.049	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260023	SBA-MW03(MSD)	0.049	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260024	SBA-MW02A	0.074	0.01	08/25/94 13:35	08/29/94	08/31/94 14:30	rak
9408260025	SBA-MW02B	0.065	0.01	08/25/94 14:15	08/29/94	08/31/94 14:30	rak
9408260026	SBA-MW01	0.022	0.01	08/25/94 14:40	08/29/94	08/31/94 14:30	rak
9408260027	SBA-ER02	0.016	0.01	08/25/94 15:25	08/29/94	08/31/94 14:30	rak

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration				
Analyte	True	Found	%R(1)	True	Found 1	%R(1)	Found 2	%R(1)
Aluminum	10000			2000				
Antimony	2500	2526	101	2000	1886	94	1906	95
Arsenic	50	49	98	50	51	102	49	98
Barium	10000			2000				
Beryllium	250	259	104	2000	1961	98	1988	99
Cadmium	250	254	102	2000	2044	102	2004	100
Calcium	5000			2000				
Chromium	1000	976	98	2000	1804	90	1876	94
Cobalt	2500			2000				
Copper	1250	1225	98	2000	1973	99	1956	98
Iron	5000			2000				
Lead	2500	2517	101	2000	2007	100	2034	102
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5	5.50	110	5	5.00	100	4.90	98
Nickel	2500	2458	98	2000	1934	97	1944	97
Potassium	5000			5000				
Selenium	50	50	100	50	45	90	48	96
Silver	500			500				
Sodium	5000			50000				
Thallium	100	101	101	100	99	99	101	101
Tin	25000							
Vanadium	2500			2000				
Zinc	2500	2590	104	2000	2001	100	1891	95

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				
	True	Found	%R(1)	True	Found 3	%R(1)	Found 4	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000	1960	98		
Arsenic	50			50	48	96	54	108
Barium	10000			2000				
Beryllium	250			2000	1964	98		
Cadmium	250			2000	2002	100		
Calcium	5000			2000				
Chromium	1000			2000	1801	90		
Cobalt	2500			2000				
Copper	1250			2000	1970	99		
Iron	5000			2000				
Lead	2500			2000	2050	103		
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	4.80	96		
Nickel	2500			2000	1976	99		
Potassium	5000			5000				
Selenium	50			50				
Silver	500			500				
Sodium	5000			50000				
Thallium	100			100	103	103	103	103
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000	1948	97		

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 1	2	3	Method Blank
Aluminum					
Antimony	<100	<100	<100	<100	<100
Arsenic	<10	<10	<10	<10	<10
Barium					
Beryllium	<10	<10	<10	<10	<10
Cadmium	<10	<10	<10	<10	<10
Calcium					
Chromium	<50	<50	<50	<50	<50
Cobalt					
Copper	<20	<20	<20	<20	<20
Iron					
Lead	<100	<100	<100	<100	<100
Magnesium					
Manganese					
Mercury	<0.2	<0.2	<0.2	<0.2	
Nickel	<50	<50	<50	<50	<50
Potassium					
Selenium	<2	<2	<2		<2
Silver					
Sodium					
Thallium	<3	<3	<3	<3	<3
Tin					
Vanadium					
Zinc	<10	<10	<10	<10	<10

INCHCAPE TESTING SERVICES

3

BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 4			Method Blank
Aluminum					
Antimony					
Arsenic		<10			
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium		<3			
Tin					
Vanadium					
Zinc					

INCHCAPE TESTING SERVICES

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: ug/L

	True		Initial Found			Final Found		
Analyte	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200000	200000	192699	190487	95	188271	188570	94
Antimony								
Arsenic								
Barium		500		502	100.4		498	99.6
Beryllium		500		508	102		507	101
Cadmium		1000		1007	101		1001	100.1
Calcium	200000	200000	196528	195219	98	192048	197144	99
Chromium		500		455	91		450	90
Cobalt		500						
Copper		500		496	99		491	98
Iron	80000	80000	75700	76616	96	75888	74664	93
Lead		1000		1027	103		970	97
Magnesium	200000	200000	195235	197359	99	195501	190510	95
Manganese		500						
Mercury								
Nickel		1000		934	93		919	92
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Tin								
Vanadium		500						
Zinc		1000		950	95		951	95

INCHCAPE TESTING SERVICES
5
SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260022

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	2545	<100	2500	102
Arsenic	75-125	112	53	50	118
Barium				10000	
Beryllium	75-125	252	<10	250	101
Cadmium	75-125	233	<10	250	93
Calcium					
Chromium	75-125	966	<50	1000	97
Cobalt				2500	
Copper	75-125	1220	31	1250	95
Iron					
Lead	75-125	2384	<100	2500	95
Magnesium					
Manganese					
Mercury	75-125	4.14	<0.2	5	83
Nickel	75-125	2227	<50	2500	89
Potassium					
Selenium	75-125	38	<2	50	76
Silver				250	
Sodium					
Thallium	75-125	28	<3	50	56
Tin				10000	
Vanadium				2500	
Zinc	75-125	2411	49	2500	95

COMMENTS: See post-digestion spike data (p. 5B) for Tl.

INCHCAPE TESTING SERVICES
5A
SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260023

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	2468	<100	2500	99
Arsenic	75-125	107	53	50	108
Barium				10000	
Beryllium	75-125	249	<10	250	99.6
Cadmium	75-125	234	<10	250	94
Calcium					
Chromium	75-125	958	<50	1000	96
Cobalt				2500	
Copper	75-125	1202	31	1250	94
Iron					
Lead	75-125	2391	<100	2500	96
Magnesium					
Manganese					
Mercury	75-125	4.22	<0.2	5	84
Nickel	75-125	2272	<50	2500	91
Potassium					
Selenium	75-125	39	<2.0	50	78
Silver				250	
Sodium					
Thallium	75-125	24	<3	50	48
Tin				10000	
Vanadium				2500	
Zinc	75-125	2370	49	2500	93

COMMENTS: See post-digestion spike data (p. 5B) for Tl.

INCHCAPE TESTING SERVICES

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260021

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony				2500	
Arsenic				50	
Barium				10000	
Beryllium				250	
Cadmium				250	
Calcium					
Chromium				1000	
Cobalt				2500	
Copper				1250	
Iron					
Lead				2500	
Magnesium					
Manganese					
Mercury				5	
Nickel				2500	
Potassium					
Selenium				50	
Silver				250	
Sodium					
Thallium	75-125	55	<3	100	55
Tin				10000	
Vanadium				2500	
Zinc				2500	

COMMENTS: A physical or chemical interference should be suspected for Tl.

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INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260021

Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Aluminum				
Antimony	<20%	<100	<100	0
Arsenic	<20%	53	54	2
Barium				
Beryllium	<20%	<10	<10	0
Cadmium	<20%	<10	<10	0
Calcium				
Chromium	<20%	<50	<50	0
Cobalt				
Copper	<20%	31	30	3
Iron				
Lead	<20%	<100	<100	0
Magnesium				
Manganese				
Mercury	<20%	<0.2	<0.2	0
Nickel	<20%	<50	<50	0
Potassium				
Selenium	<20%	<2.0	<2.0	0
Silver				
Sodium				
Thallium	<20%	<3	<3	0
Tin				
Vanadium				
Zinc	<20%	49	91	60

COMMENTS:

INCHCAPE TESTING SERVICES
7
LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: ug/L

Analyte	Aqueous (ug/L) True	Found	%R
Aluminum	10000		
Antimony	2500	2652	106
Arsenic	50	44	88
Barium	1000		
Beryllium	250	246	98
Cadmium	250	243	97
Calcium	5000		
Chromium	1000	929	93
Cobalt	2500		
Copper	1250	1268	101
Iron	5000		
Lead	2500	2495	100
Magnesium	5000		
Manganese	2500		
Mercury	5	5.00	100
Nickel	2500	2402	96
Potassium	5000		
Selenium	50	44	88
Silver	250		
Sodium	5000		
Thallium	5	5.30	106
Tin	10000		
Vanadium	2500		
Zinc	2500	2567	103

INCHCAPE TESTING SERVICES

9

ICP SERIAL DILUTIONS

Lab Name: INCHCAPE TESTING SERVICES Group No: 9403017

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference
Aluminum			
Antimony	<100	<500	N/A
Arsenic			
Barium			
Beryllium	<10	<50	N/A
Cadmium	<10	<50	N/A
Calcium			
Chromium	<50	<250	N/A
Cobalt			
Copper	31	<100	N/A
Iron			
Lead	<100	<500	N/A
Magnesium			
Manganese			
Mercury			
Nickel	<50	<250	N/A
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	49	<50	N/A

COMMENTS:

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 1010

PARAMETER: Flashpoint
TEST CODE: FP
MATRIX : WATER

ALL UNITS ARE REPORTED IN (DEG F)

PREP REQUIRED: N

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	>212	50	08/25/94 13:35		08/29/94 11:20	rla
9408260024	SBA-MW02A	>212	50	08/25/94 13:35		08/29/94 11:20	rla
9408260025	SBA-MW02B	>212	50	08/25/94 14:15		08/29/94 11:20	rla
9408260026	SBA-MW01	>206	50	08/25/94 14:40		08/29/94 11:20	rla
9408260027	SBA-ER02	>212	50	08/25/94 15:25		08/29/94 11:20	rla

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 4500-H+B

PARAMETER: pH
TEST CODE: PH
MATRIX : WATER

ALL UNITS ARE REPORTED IN (Units)

PREP REQUIRED: N

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	6.9	2	08/25/94 13:35		08/26/94 14:00	vac
9408260024	SBA-MW02A	7.0	2	08/25/94 13:35		08/26/94 14:00	vac
9408260025	SBA-MW02B	7.1	2	08/25/94 14:15		08/26/94 14:00	vac
9408260026	SBA-MW01	7.2	2	08/25/94 14:40		08/26/94 14:00	vac
9408260027	SBA-ER02	6.0	2	08/25/94 15:25		08/26/94 14:00	vac

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 7.3.3.2

PARAMETER: Reactivity Cyanide
TEST CODE: CNR
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L CN)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.02	08/25/94 13:35	08/29/94	08/29/94 16:50	chi
9408260022	SBA-MW03 MS *	<DL	0.02	08/25/94 13:35	08/29/94	08/29/94 16:50	chi
9408260023	SBA-MW03(MSD)**	<DL	0.02	08/25/94 13:35	08/29/94	08/29/94 16:50	chi
9408260024	SBA-MW02A	<DL	0.02	08/25/94 13:35	08/29/94	08/29/94 16:50	chi
9408260025	SBA-MW02B	<DL	0.02	08/25/94 14:15	08/29/94	08/29/94 16:50	chi
9408260026	SBA-MW01	<DL	0.02	08/25/94 14:40	08/29/94	08/29/94 16:50	chi
9408260027	SBA-ER02	<DL	0.02	08/25/94 15:25	08/29/94	08/29/94 16:50	chi

*Spike Recovery = 104%
**Spike Recovery = 84%

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403017
PROJECT NO.:
REPORT DATE: 09/27/94
METHOD : 7.3.4.2

PARAMETER: Reactivity Sulfide
TEST CODE: S R
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L S)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260021	SBA-MW03	<DL	0.1	08/25/94 13:35	08/29/94	08/29/94 17:00	chi
9408260022	SBA-MW03 MS *	<DL	0.1	08/25/94 13:35	08/29/94	08/29/94 17:00	chi
9408260023	SBA-MW03(MSD) **	<DL	0.1	08/25/94 13:35	08/29/94	08/29/94 17:00	chi
9408260024	SBA-MW02A	<DL	0.1	08/25/94 13:35	08/29/94	08/29/94 17:00	chi
9408260025	SBA-MW02B	<DL	0.1	08/25/94 14:15	08/29/94	08/29/94 17:00	chi
9408260026	SBA-MW01	<DL	0.1	08/25/94 14:40	08/29/94	08/29/94 17:00	chi
9408260027	SBA-ER02	<DL	0.1	08/25/94 15:25	08/29/94	08/29/94 17:00	chi

*Spike Recovery = 92%
**Spike Recovery = 93%

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: mg/L

Analyte	Initial Calibratio			Continuing Calibration				
	True	Found	%R(1)	True	Found 1	%R(1)	Found 2	%R(1)
React.Cyanide	0.050	0.044	88	0.050	0.044	88	0.044	88
React.Sulfide	0.50	0.46	92	0.50	0.50	100	0.50	100

0000211

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Analyte	Initial Calib. (mg/L)	Method Blank (mg/L)
Reactive Cyanide	<0.002	<0.002
Reactive Sulfide	<0.05	<0.05

INCHCAPE TESTING SERVICES

5

SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260022

Concentration Units: mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Reactive Cyanide	75-125	0.054	<0.02	0.050	108
Reactivity Sulfide	75-125	0.23	<0.1	0.25	92

COMMENTS:

0000213

INCHCAPE TESTING SERVICES

5A

SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260023

Concentration Units: mg/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Reactive Cyanide	75-125	0.042	<0.02	0.050	84
Reactive Sulfide	75-125	0.23	<0.1	0.25	92

COMMENTS:

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES

Group No.: 9403017

Lab Id.: 9408260021

Concentration Units: Degrees Fahrenheit

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Ignitability	<20%	>212	>212	0

COMMENTS:

0000215

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Lab Id.: 9408260027

Concentration Units: mg/L

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Reactive Cyanide	<20%	<0.02	<0.02	0
Reactive Sulfide	<20%	<0.1	<0.1	0

COMMENTS:

INCHCAPE TESTING SERVICES
7
LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: Degrees Fahrenheit

Analyte	True	Found	%R
Ignitability	81	84	104

INCHCAPE TESTING SERVICES

7

LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403017

Concentration Units: mg/L

Analyte	Aqueous (mg/L) True	Found	%R
Reactive Cyanide	0.050	0.044	88
Reactive Sulfide	0.50	0.46	92

Inchcape Testing Services
West-Paine Laboratories
(504) 769-4900 • Fax (504) 767-5717

CHAIN OF CUSTODY RECORD

Lab use only:

Client Name	Client #	Group #	Due Date
PRC	2291	940 3017	9-06-94

Submitted by
Client: PRC
Address: 350 N. ST. PAUL ST. #2600
DALLAS, TX 75201
Contact: JOAN MIDDLETON
Phone: (214) 754 8765
Fax: (214) 922-9715

Bill to
Client: (Same as Left)
Address:
Contact:
Phone:

P. O. Number

Project Name/Number: SBA SHIPYARDS / 070R0602401SA

Sampled By: L. Vega · W. Pierson · Paul Dubois

ORIGINAL

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	VOA	ABN	TOTAL METALS	RCI	Remarks	Lab ID
W	8/25/94	1335		X	SBA-MW03	HCl Sod Thios	6	X				MS/MSD	21
W		1335		X	↓		12		X	X	X	MS/MSD	
W		1355		X	SBA-MW02A	HCl Sod Thios	2	X					24
W		1355		X	↓		4		X	X	X		
W		1415		X	SBA-MW02B	HCl Sod Thios	2	X					25
W		1415		X	↓		4		X	X	X		
W		1440		X	SBA-MW01	HCl Sod Thios	2	X					26
W		1440		X	↓		4		X	X	X		
W	8/25/94	1525		X	SBA-ER02	HCl Sod Thios	2	X					27
W		1525		X	↓		4		X	X	X		
W		1530		X	SBA-FB02	HCl Sod Thios	2	X					28
W	8/25/94	1550		X	SBA-TB02	HCl Sod Thios	2	X					29

Analytical Requests

Lab use only:
- LAB M ☑ ☐
- Gen Chem ☑ ☐
- Metals ☑ ☐
- GC/MS VOA ☑ ☐
- GC/MS Semi-V ☑ ☐
- GC/Semi-V ☐ ☐
- GC ☐ ☐
- Extractions ☑ ☐
- Client Services ☑ ☐
- Ship ☐ ☐
- Info Request ☐ ☐

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 10°

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ☐ Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
L. Vega	Michelle Crochet	8/26/94	1110
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to the terms and conditions contained in the most recent schedule of services.

___ Water
___ Solid
___ Oil
___ Sludge

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

nnnn219

TERMS AND CONDITIONS OF SERVICES

All work or services performed by WEST-PAINE LABORATORIES, INC. (herein "W-P") for the person or entity ordering such work or services (herein "Customer") are undertaken and the rates and charges of W-P are based upon the following Terms and Conditions of Services (herein "Terms and Conditions of Service"):

1. CONTRACT DOCUMENTS. The contract (herein "Contract") between Customer and W-P shall consist exclusively of:
   a.) These Terms and Conditions of Services;
   b.) The Price Schedule published by W-P in effect at the time Customer places an order with W-P;
   c.) Customer's Purchase Order, without reference to any Terms or Conditions contained therein;
   d.) Customer's telephone instructions confirmed in writing by W-P;
   e.) Customer's acceptance of any special quotation by W-P; and
   f.) Any revisions to the foregoing agreed to in writing between Customer and W-P.

No Terms or Conditions placed on Customer's Purchase Order or other documents shall be part of the Contract, unless accepted by W-P's authorized representative in writing. There are no other oral or written agreements between Customer and W-P other than those identified herein.

2. SEVERABILITY. The invalidity or unenforceability of any provision or term of this Contract shall not affect in any way the remainder of the provisions or terms of this Contract.

3. CONTRACT FORMATION. Customers may order analytical or related services from W-P by a Purchase Order, by Chain of Custody document, by telecopy, or by telephone conversation confirmed in writing by W-P. Any such order by Customer is acceptance of W-P's offer to do business with Customer under these Terms and Conditions of Services. Additionally, Customer's delivery of samples to W-P is acceptance by Customer of these Terms and Conditions of Services.

4. JURISDICTION, VENUE AND CHOICE OF LAW.

4.1 Jurisdiction. Customer agrees that by placing an order with W-P it is doing business in the State of Louisiana where W-P has its principal place of business. All claims or causes of action which in any way arise out of or relate to the provision of work or services by W-P to Customer shall be brought exclusively in a court of competent jurisdiction in the Parish of East Baton Rouge, State of Louisiana.

4.2 Venue. Customer hereby specifically and voluntarily waives the right to seek to transfer venue from the court in which any action has been filed by W-P against Customer.

4.3 Choice of Law. The laws of the State of Louisiana, to the exclusion of any other procedural rules for choice of applicable law, shall apply to any dispute arising from or related to the provision of work or services by W-P to Customer.

5. TERM OF PAYMENT. Customer agrees to pay to W-P for an order those prices published by W-P in its Price Schedule in effect at the time of the placement of an order by Customer with W-P, together with all taxes and assessments prescribed by law. Customer agrees to make payment to W-P at its principal place of business unless otherwise designated by W-P on an invoice. Unless otherwise provided, customer's account with W-P becomes delinquent if payment is not received by W-P on or before thirty (30) days from the date of any invoice, or at such other time as specifically agreed to in writing by W-P (60-day accounts).

Customer agrees to a $15.00 handling fee for any of Customer's checks returned to W-P because of insufficient funds or for any other reason which prevents W-P from processing the check upon its receipt. This $15.00 handling fee is a minimum charge; if the check is dishonored upon resubmission, or if W-P incurs damage or additional costs due to the dishonoring of Customer's check, Customer shall be liable for all such additional costs and damages together with such other remedies as may be available under Louisiana law.

6. INTEREST CHARGE. Customer agrees to pay to W-P the lesser of an annual rate of interest of 18% (or a monthly rate of 1.5%) or the maximum rate allowed by law on all accounts which are delinquent. If the transactions contemplated by this provision should be determined to be usurious by a court of competent jurisdiction, W-P and Customer agree: (a) that the total amount contracted for, charged or received by W-P which constitutes interest shall not exceed the maximum amount of interest allowed by law; and (b) that any excess interest which is above that allowed by law previously received by W-P shall be credited or paid to Customer by W-P.

7. SAMPLES CONTAINING HAZARDOUS SUBSTANCE. Preceding the shipment of samples or accompanying the samples, Customer shall supply for each sample a complete written disclosure of the presence, known or suspected by Customer, of any hazardous substance, such as one defined by the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), or any hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA), and implementing regulations, or applicable State equivalents of either act, or any local or municipal ordinance. Each sample containing any hazardous substance or hazardous waste shall be packaged, labeled, transported, manifested (accompanied by all applicable Material Safety Data Sheets) and delivered in accordance with all applicable laws and regulations. Information shall be supplied as to the exact time and place where each sample was taken.

8. REFUSAL TO ACCEPT SAMPLE. W-P reserves the right to refuse to accept or to revoke acceptance of and return at Customer's sole expense any sample supplied by Customer which, in the sole opinion of W-P, is of insufficient volume; is not in conformity with the standards set forth in the Inchcape Environmental's Quality Assurance/Quality Control (hereinafter "QA/QC") Manual; is received in damaged, contaminated, or improperly preserved condition, or is likely to pose any unreasonable risk in handling or in analyzing, whether or not such risk has been disclosed by Customer. Customer shall bear the risk of loss, damage, liability or delay in transit.

9. SAMPLE RETENTION. Upon completion of analysis, all samples will be retained for thirty (30) days, except for potable water and perishables, which are discarded immediately after analysis and for which Customer agrees to pay a sample disposal fee.

10. SUBCONTRACTING. W-P reserves the right to subcontract with other laboratories in order to perform any portion of services ordered by Customer.

11. WARRANTY. W-P warrants only that its services shall be performed in a manner consistent with that level of care and skill ordinarily exercised by other professionals providing like services under similar circumstances. All services shall be performed in accordance with EPA and/or LDEQ protocols and/or specifications and QA/QC's Manual in effect at the time the services are performed, except that W-P reserves the right to deviate from standard methodologies where this, in W-P's sole discretion, is advisable and Customer is so notified. W-P makes no other warranties, expressed or implied.

12. CUSTOMER'S EXCLUSIVE REMEDY FOR W-P'S BREACH OF WARRANTY. Customer's exclusive remedy for W-P's breach of its express warranty shall be either (a) refund of the price paid for the specific defective test; or (b) retesting of the sample(s) without charges; however, should the retest confirm the results of the prior test, Customer agrees to pay for any retesting. Any customer seeking greater protection from loss or damage than is provided for herein should obtain appropriate insurance.

13. WAIVER OF CLAIMS, CAUSES OF ACTION AND DAMAGES. Customer waives any and all other claims or causes of action for incidental, consequential, special or any other damage or loss, including but not limited to lost profits, resulting from W-P work, services, or goods.

14. INDEMNITY AND HOLD HARMLESS AGREEMENT. If any suit, proceeding, claim or action arising from negligence or fault, including the sole negligence or fault of W-P or breach of contract by W-P, whether actual or alleged, whether civil, criminal, administrative, investigative or of any nature whatsoever, is threatened or brought against W-P, its parent, subsidiaries, or affiliated companies by any third party including, without limitation, any insurer asserting subrogation rights of Customer, any governmental or administrative body, or any private person or entity arising out of or relating to work or services provided by W-P, Customer shall defend, indemnity and hold harmless W-P, its parent, subsidiaries, or affiliated companies, and their officers, directors, agents, employees, and subcontractors from and against any expenses (including attorneys' fees for an attorney chosen by W-P), damages, judgments, fines or amounts paid in settlement.

Customer shall furnish to W-P evidence of an endorsement to Customer's liability policy for blanket contractual coverage for Customer's indemnity herein.

15. WAIVER. No waiver by W-P of any of these Terms and Conditions or of any obligation of the Customer hereunder shall constitute any future waiver of such provision or a waiver of any other obligation of Customer.

16. TERMINATION. Either party may terminate this Agreement at any time by sending or delivering to the other written Notice of Termination, which termination shall be effective 24 hours after receipt. Upon termination, W-P shall invoice Customer for services performed and charges incurred prior to termination, plus termination charges for bringing ongoing work to a reasonable stopping place and returning all samples.

17. FORCE MAJEURE. W-P shall not be responsible for damages or delays in performance caused by but not limited to, unusual weather conditions, fires, floods, epidemics, war, riots, strikes, lockouts, governmental action or failure to act, industrial disturbances, unanticipated site conditions, inability with reasonable diligence to supply personnel, equipment, or material to the project, delays or damage during shipment.

18. COMPLIANCE WITH LEGAL PROCESS. In the event any of W-P's personnel are required to testify in a court proceeding or arbitration regarding any services performed by W-P relating to an order placed by Customer, Customer agrees to pay to W-P an amount equal to the number of hours spent by W-P personnel complying with such legal process multiplied by the standard hourly rate of that person as established on the current Fee Schedule in effect for W-P, together with the cost of all materials and out of pocket expenses.

19. NO THIRD PARTY BENEFICIARIES. Customer and W-P agree that all test results are provided only for the benefit and use of Customer and not for any other party. Customer and W-P also agree that each intends no third parties to benefit from the test results.

LAD008434185

DOCUMENTS FOR THIS SITE HAVE

BEEN SENT TO THE STATE FOR FILING.

FILES ARE BEING REINSTATED DUE TO A CHANGE

IN THE STATUS OF THE SITE.

DATE 10.31.94

1-13-14-2

ARR1-823817788

Transfer#: PT-412-2010-1876 Box:5 CC:R6

Asset#: AAC1-327274924 Whole Container: N

C/F: LAD008434185 VOL 3 SBA SHIPYARDS $00104435 Created: 1/10/2014

WLAMERS General Reference Temporary Loan of Records

Standard Other (contact FRC to arrange) BILL OUR UPS ACCOUNT

To: PATRICIA VINCENT
EPA / DALLAS , 1445 ROSS AVE., SUITE 1200
DALLAS, TX, 75202
P : (214) 665-6532 F :

$00104435

Rec#104435 /HZ/RC/GT/

478B. LAD008434185 0003

SBA SHIPYARDS INC
JENNINGS LA 70546

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 11:56
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

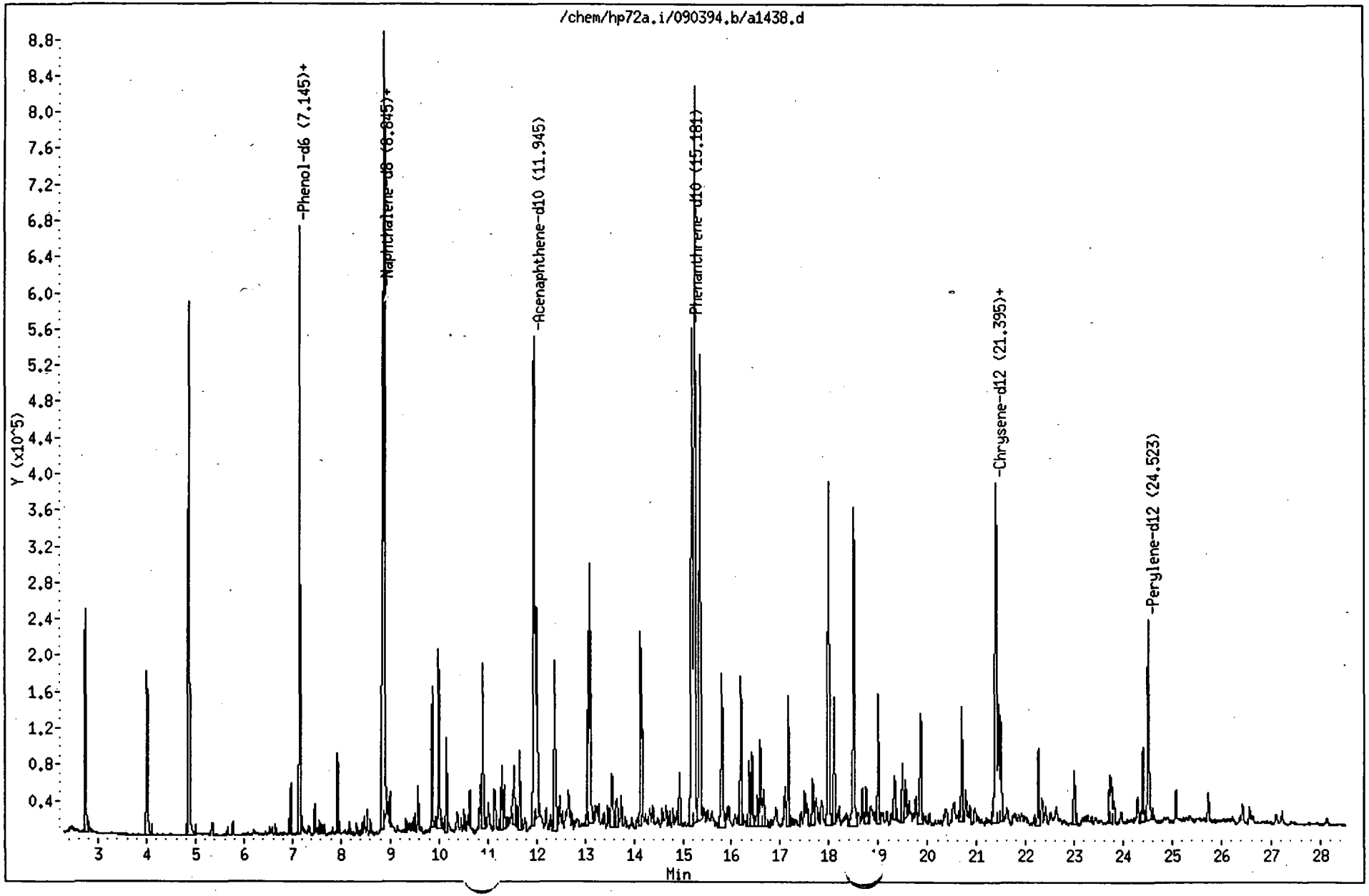
TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.11	200.0	0.05	1	8270
m & p-Cresol	0.17	200.0	0.05	1	8270
Cresols	0.28	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000046

0000045

Data File: /chem/hp72a.i/090394.b/a1438.d
Date : 04-SEP-94 00:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.523	(1.000)	175464	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.083)	19476	3.259	260.730(a)
81 Dibenzo(a,h)anthracene	278.00	26.623	(1.086)	6091	0.982	78.575(a)
82 Benzo(g,h,i)perylene	276.00	27.102	(1.105)	12440	1.968	157.452(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test. -

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.874	(1.003)	53980	10.332	826.535(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	99229	13.891	1111.289(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	47987	4.020	321.593(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	213856	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	41004	11.772	941.792(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.366	(1.035)	505	0.465	37.193(aQ)
	48 Dibenzofuran	168.00	12.366	(1.035)	136937	13.156	1052.461(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.096)	155281	20.244	1619.492(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.402	(0.883)	4071	0.811	64.883(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	292041	40.000	(a)
	62 Phenanthrene	178.00	15.238	(1.004)	592935	62.263	4981.021(a)
	63 Anthracene	178.00	15.352	(1.011)	404650	41.934	3354.688(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.995	(1.185)	329283	34.193	2735.461(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	254662	22.309	1784.702(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	75824	8.501	680.111(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	226166	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.445	(1.002)	88642	11.323	905.865(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	50494	6.607	528.598(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.991)	18025	2.482	198.528(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.995)	35902	5.180	414.416(a)

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BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1438.d
Lab. Id. : Quant Type: ISTD
Inj Date : 04-SEP-94 00:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2 /0826-33
Misc Info : PRC/BNA/5:400/S-2 /0826-33
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 19
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.738	(0.383)	1076	0.316	25.313(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	7.145	(1.000)	1566	0.307	24.577(Ta)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
0	1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	122848	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.874	(1.003)	879	0.262	20.964(TaQ)
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.845	(1.000)	389616	40.000	(a)
29	Naphthalene	128.00	8.874	(1.003)	489230	42.710	3416.833(a)

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		3420	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4980	2400	792
Pyrene		1780	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000041

Inchcape Testing Services
Environmental Laboratories

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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:51 PREP REQ : Y PREP DATE : 08/29/94

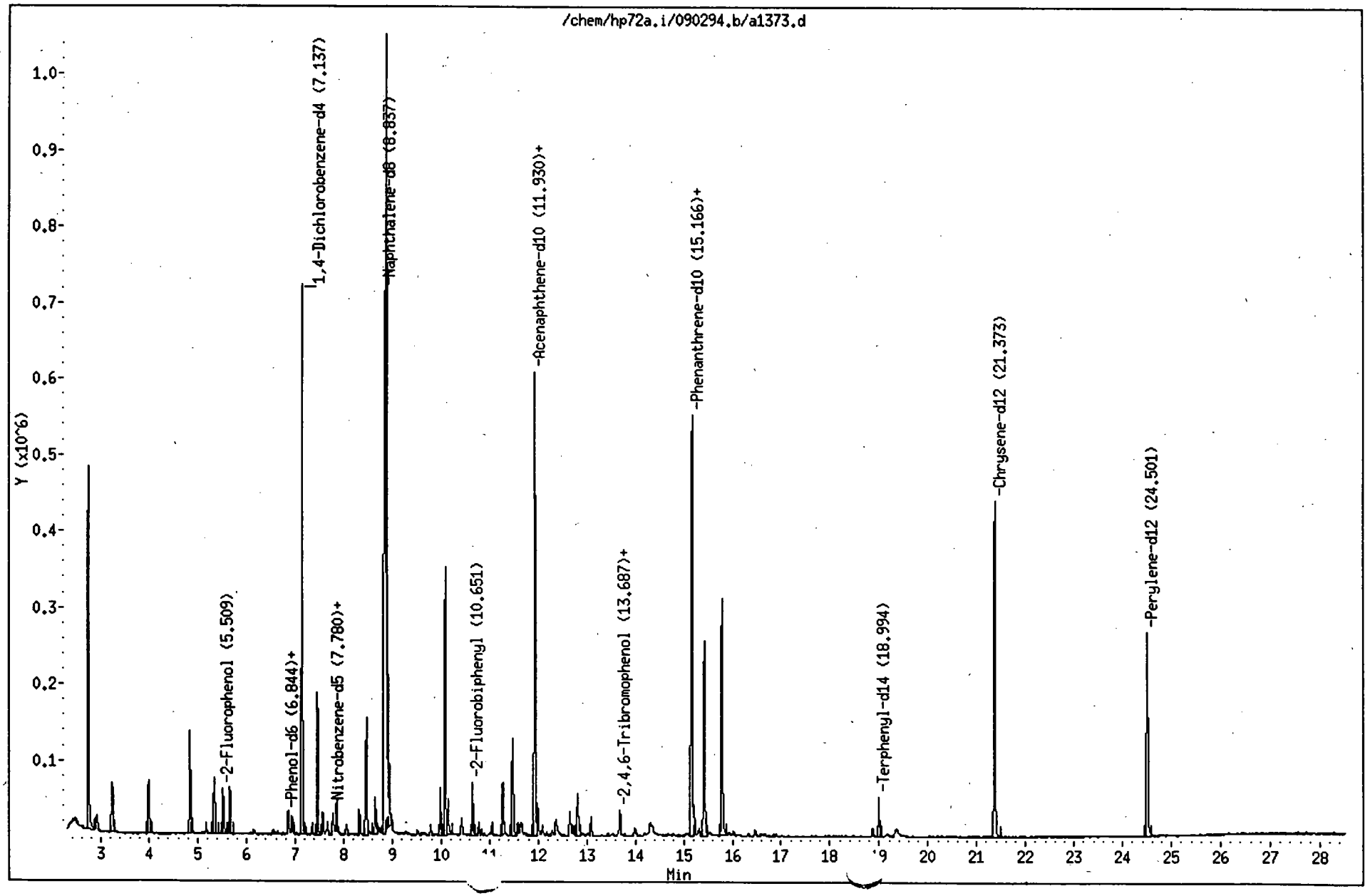
PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		942	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		3350	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		906	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2740	2400	792
Fluorene		1620	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Data File: /chem/hp72a.i/090294.b/a1373.d
Date : 02-SEP-94 10:36
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000039



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.501	(1.000)	205165	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.880	(1.005)	16762	2.768	138.395(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	28595	3.478	173.876(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.651	(0.893)	39056	3.817	190.850(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.637	(0.975)	14151	1.014	50.702(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.930	(1.000)	248112	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	6968	1.748	87.420(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.359	(1.036)	18086	1.536	76.797(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.097)	14604	1.652	82.624(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.687	(0.902)	1698	0.290	14.475(TaQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.651	(1.144)	3305	2.487	124.333(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	346916	40.000	
	62 Phenanthrene	178.00	15.208	(1.003)	24138	2.146	107.280(a)
	63 Anthracene	178.00	15.323	(1.010)	9526	0.843	42.171(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.994	(0.889)	37041	4.286	214.306(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.373	(1.000)	268850	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

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BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1373.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 10:36 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-32/PRC/TCP/200:10/S-1
Misc Info : 0826-32/PRC/TCP/200:10/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 4
Dil Factor: 50.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.587	(0.363)	917	0.272	13.617(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.509	(0.772)	33013	5.060	252.983(a)
$	4 Phenol-d6	99.00	6.844	(0.959)	22181	3.671	183.548(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.866	(0.962)	3194	0.418	20.916(a)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.137	(1.000)	143684	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.573	(1.061)	12210	3.366	168.311(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.573	(1.061)	12210	2.394	119.684(a)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.780	(1.090)	17010	3.599	179.959(a)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.852	(0.888)	21054	3.470	173.503(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.444	(0.956)	23448	5.799	289.965(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.909	(1.008)	22163	3.217	160.833(TaQ)
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	450496	40.000	
	29 Naphthalene	128.00	8.873	(1.004)	708471	52.586	2629.322

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 10:36
PREP DATE: 08/29/94

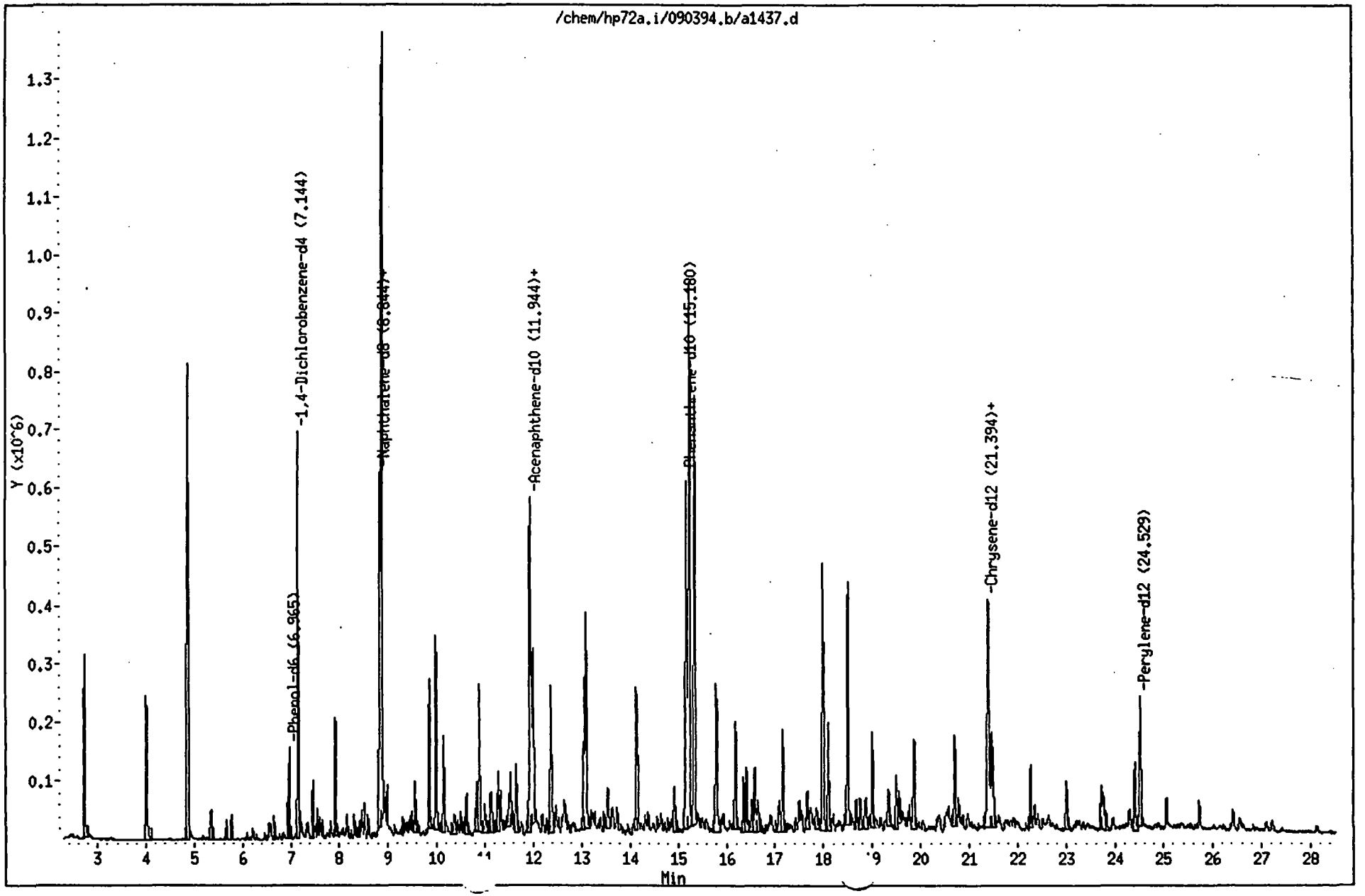
ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.5	10	8270
2,4-Dinitrotoluene	< DL	0.13	0.5	10	8270
Hexachlorobenzene	< DL	0.13	0.5	10	8270
Hexachlorobutadiene	< DL	0.5	0.5	10	8270
Hexachloroethane	< DL	3.0	0.5	10	8270
Nitrobenzene	< DL	2.0	0.5	10	8270
Pyridine	< DL	5.0	0.5	10	8270
o-Cresol	< DL	200.0	0.5	10	8270
m & p-Cresol	< DL	200.0	0.5	10	8270
Cresols	< DL	200.0	0.5	10	8270
Pentachlorophenol	< DL	100.0	0.5	10	8270
2,4,5-Trichlorophenol	< DL	400.0	0.5	10	8270
2,4,6-Trichlorophenol	< DL	2.0	0.5	10	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000034

Data File: /chem/hp72a.i/090394.b/a1437.d
Date : 04-SEP-94 00:14
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.529	(1.000)	187517	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.565	(1.083)	24678	3.864	309.135(a)
81 Dibenzo(a,h)anthracene	278.00	26.629	(1.086)	7522	1.135	90.798(a)
82 Benzo(g,h,i)perylene	276.00	27.108	(1.105)	15725	2.328	186.236(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.887	(1.005)	32679	6.134	490.725(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.987	(1.129)	155351	21.328	1706.254(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	65094	5.329	426.311(a)
	2 2,6-Dinitrotoluene	165.00	11.944	(1.000)	31681	13.638	1091.017(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	218836	40.000	(a)
	45 Acenaphthene	152.00	12.008	(1.005)	58650	16.455	1316.435(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.372	(1.036)	868	0.781	62.473(aQ)
	48 Dibenzofuran	168.00	12.372	(1.036)	179773	16.878	1350.244(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.101	(1.097)	199365	25.399	2031.946(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.401	(0.883)	5291	1.030	82.433(aQ)
	56 Azobenzene	77.00	13.101	(1.834)	2720	0.252	20.198(TaQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	298750	40.000	(a)
	62 Phenanthrene	178.00	15.244	(1.004)	719424	73.849	5907.886(a)
	63 Anthracene	178.00	15.358	(1.012)	605591	61.348	4907.812(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.994	(1.185)	382752	38.853	3108.240(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.501	(0.864)	292219	23.874	1909.911(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.372	(0.999)	92596	9.682	774.584(a)
*	71 Chrysene-d12	240.00	21.401	(1.000)	242507	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.451	(1.002)	106704	12.712	1016.968(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.751	(0.968)	60195	7.371	589.649(a)
	77 Benzo(k)fluoranthene	252.00	24.294	(0.990)	22570	2.908	232.608(Ta)
	78 Benzo(a)pyrene	252.00	24.401	(0.995)	43101	5.819	465.535(a)

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1437.d
Lab. Id. : Quant Type: ISTD
Inj Date : 04-SEP-94 00:14 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-32
Misc Info : PRC/BNA/5:400/S-2/0826-32
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 18
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.737	(0.383)	1402	0.409	32.682(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	6.965	(0.975)	1658	0.322	25.785(aQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	123975	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.880	(1.004)	1811	0.529	42.360(TaQ)
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	8.880	(1.243)	1811	0.865	69.227(aQ)
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.844	(1.000)	397279	40.000	(a)
29	Naphthalene	128.00	8.880	(1.004)	837180	71.677	5734.172(a)

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:14 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	< DL	2400	792
Hexachlorobutadiene	< DL	2400	792
Hexachlorocyclopentadiene	< DL	2400	792
Hexachloroethane	< DL	2400	792
Indeno(1,2,3-c,d)pyrene	< DL	2400	792
Isophorone	< DL	2400	792
Naphthalene	5730	2400	792
Nitrobenzene	< DL	2400	792
N-Nitrosodimethylamine	< DL	2400	792
N-Nitrosodi-n-propylamine	< DL	2400	792
N-Nitrosodiphenylamine **	< DL	2400	792
Phenanthrene	5910	2400	792
Pyrene	1910	2400	792
1,2,4-Trichlorobenzene	< DL	2400	792
2-Chlorophenol	< DL	2400	792
2,4-Dichlorophenol	< DL	2400	792
2,4-Dimethylphenol	< DL	2400	792
4,6-Dinitro-o-cresol	< DL	2400	3960
2,4-Dinitrophenol	< DL	2400	3960
2-Nitrophenol	< DL	2400	792
4-Nitrophenol	< DL	2400	3960
p-Chloro-m-cresol	< DL	2400	792
Pentachlorophenol	< DL	2400	3960
Phenol	< DL	2400	792
2,4,6-Trichlorophenol	< DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000030

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

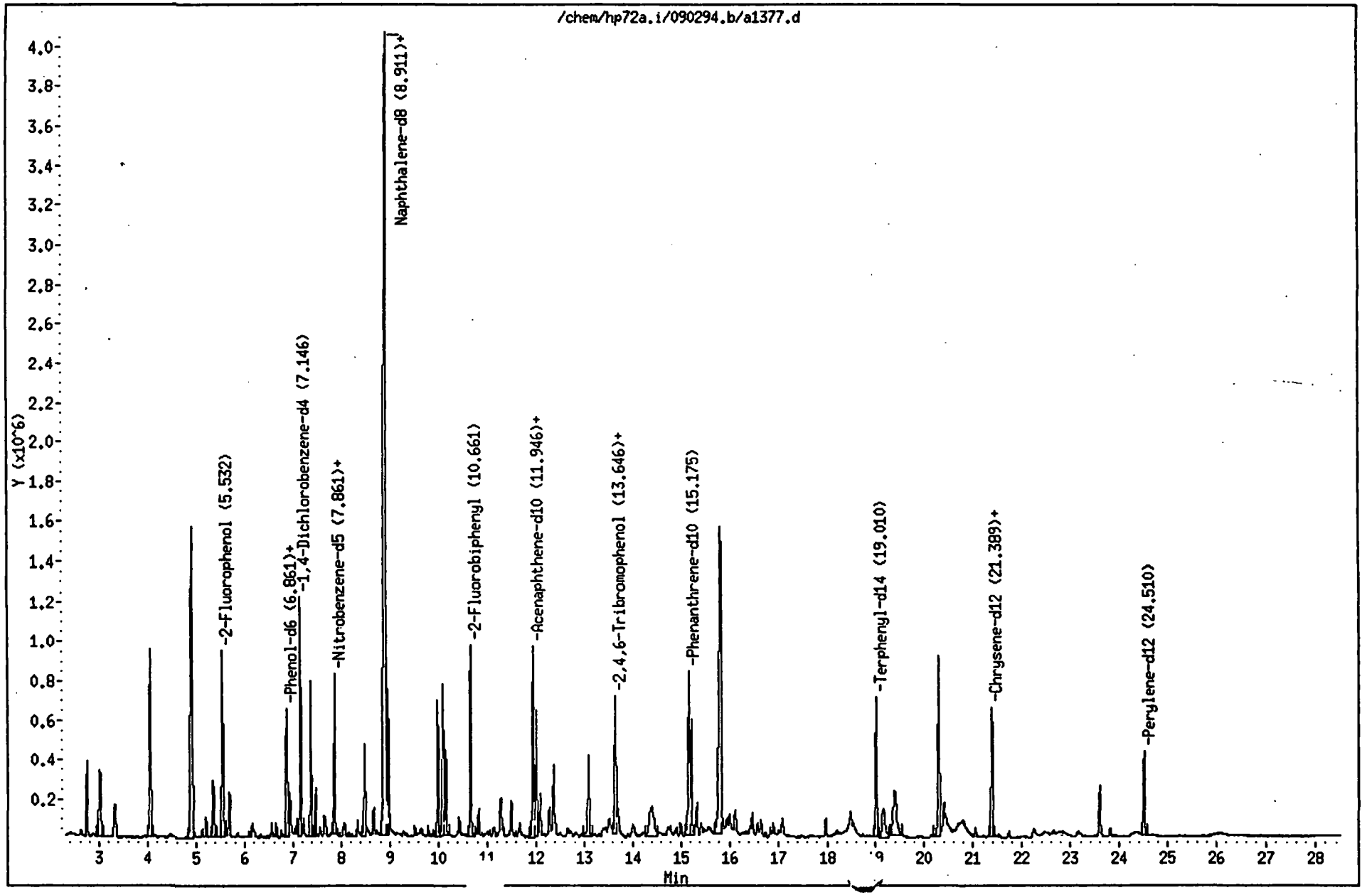
ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:14 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		1320	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		4910	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1020	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3110	2400	792
Fluorene		2030	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Data File: /chem/hp72a.i/090294.b/a1377.d
Date : 02-SEP-94 13:52
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.510	(1.000)	326875	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.946	(1.010)	2699	0.280	1.401(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.128)	301121	23.023	115.115
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	514142	28.749	143.747
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	17515	0.718	3.591(a)
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	56537	13.030	65.148(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	433647	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	124202	17.831	89.154
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.368	(1.035)	859	0.514	2.571(aQ)
	48 Dibenzofuran	168.00	12.368	(1.035)	259265	12.598	62.988
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	230741	14.938	74.691
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.703	(0.903)	3383	0.322	1.609(TaQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.653	(1.143)	175443	75.525	377.626
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.175	(1.000)	621665	40.000	
	62 Phenanthrene	178.00	15.225	(1.003)	415753	20.623	103.115
	63 Anthracene	178.00	15.332	(1.010)	137265	6.782	33.911(a)
	64 Di-n-butylphthalate	149.00	16.753	(1.104)	20496	0.711	3.555(a)
	65 Fluoranthene	202.00	17.975	(1.185)	70293	3.534	17.671(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.482	(0.864)	42965	2.019	10.096(a)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	473307	34.539	172.695
	69 Butylbenzylphthalate	149.00	20.296	(0.949)	435398	35.917	179.584
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	6458	0.388	1.938(a)
*	71 Chrysene-d12	240.00	21.389	(1.000)	426311	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.432	(1.002)	5200	0.354	1.768(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.016)	15485	0.943	4.716(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1377.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 13:52 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-31
Misc Info : PRC/TCP/200:1/S-1/0826-31
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 9
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	3223	0.590	2.949(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.532	(0.774)	538675	50.865	254.326
$	4 Phenol-d6	99.00	6.853	(0.959)	472826	48.212	241.062
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.875	(0.962)	7698	0.621	3.106(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	233212	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.346	(1.028)	2274	0.386	1.931(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.582	(1.061)	8594	1.038	5.190(a)
	15 Bis(2-chloroisopropyl)ether	45.00	7.118	(0.996)	3737	0.303	1.516(TaQ)
	16 3- & 4-Methylphenol	108.00	7.796	(1.091)	2649	0.345	1.727(aQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.861	(1.100)	50050	6.518	32.592(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.888)	364616	37.781	188.907
	20 Nitrobenzene	77.00	8.046	(0.909)	6656	0.674	3.369(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.453	(0.955)	37873	5.889	29.445(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.961	(1.012)	8620	0.787	3.933(TaQ)
	25 Benzoic Acid	122.00	8.661	(1.212)	61025	16.411	82.057(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	716557	40.000	
	29 Naphthalene	128.00	8.911	(1.006)	4752607	221.781	1108.904(A)

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 13:52
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

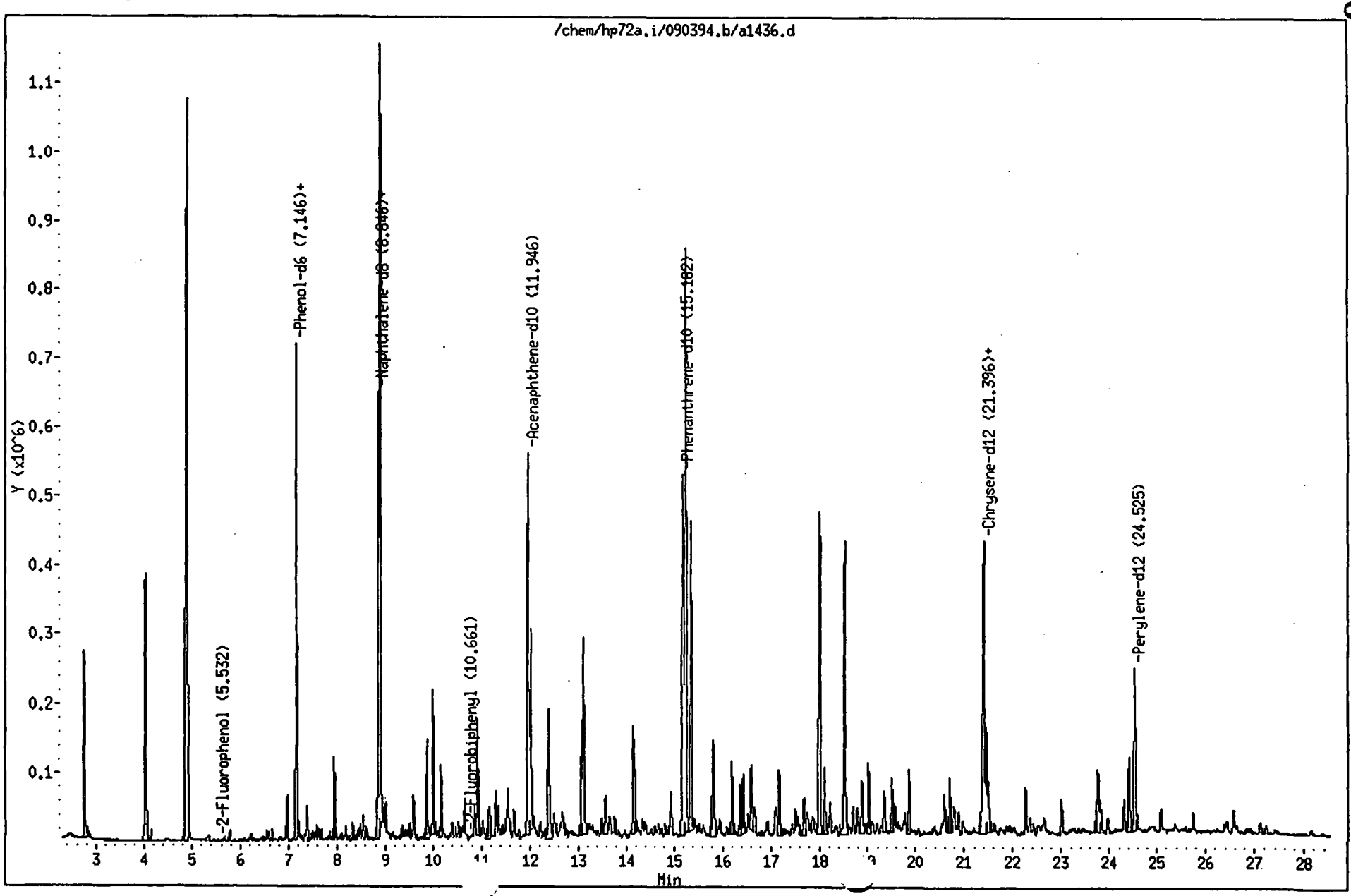
TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Data File: /chem/hp72a.i/090394.b/a1436.d
Date : 03-SEP-94 23:37
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000023



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.525	(1.000)	193337	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	38076	5.783	231.305(a)
81 Dibenzo(a,h)anthracene	278.00	26.632	(1.086)	10437	1.527	61.096(a)
82 Benzo(g,h,i)perylene	276.00	27.103	(1.105)	19996	2.871	114.845(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.875	(1.003)	89460	15.555	622.193(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.129)	98537	12.531	501.252(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	2735	0.294	11.761(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	16042	1.245	49.781(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	230926	40.000	(a)
	45 Acenaphthene	152.00	12.003	(1.005)	53671	14.270	570.804(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.368	(1.035)	480	0.409	16.369(aQ)
	48 Dibenzofuran	168.00	12.368	(1.035)	134314	11.950	477.997(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	146431	17.679	707.151(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.403	(0.883)	2784	0.498	19.909(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	325425	40.000	(a)
	62 Phenanthrene	178.00	15.239	(1.004)	630494	59.415	2376.595(a)
	63 Anthracene	178.00	15.346	(1.011)	352997	32.828	1313.126(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.996	(1.185)	433213	40.371	1614.825(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.503	(0.865)	309784	24.908	996.305(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	108898	11.206	448.255(a)
*	71 Chrysene-d12	240.00	21.396	(1.000)	246414	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.446	(1.002)	112219	13.157	526.286(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.753	(0.969)	88107	10.464	418.542(a)
	77 Benzo(k)fluoranthene	252.00	24.296	(0.991)	31031	3.877	155.090(Ta)
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	65286	8.549	341.964(a)

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1436.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 23:37 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-31
Misc Info : PRC/BNA/5:200/S-2/0826-31
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 17
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.382)	1265	0.348	13.929(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.532	(0.774)	1679	0.279	11.164(a)
$	4 Phenol-d6	99.00	7.146	(1.000)	2040	0.375	14.985(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	131233	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.882	(1.004)	1312	0.355	14.213(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	428883	40.000	(a)
	29 Naphthalene	128.00	8.875	(1.003)	633392	50.233	2009.330(a)

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:37 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene		2010	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		2380	1200	396
Pyrene		996	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

000019

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:37 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		571	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1310	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene		448	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene		419	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene		526	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene		1610	1200	396
Fluorene		707	1200	396

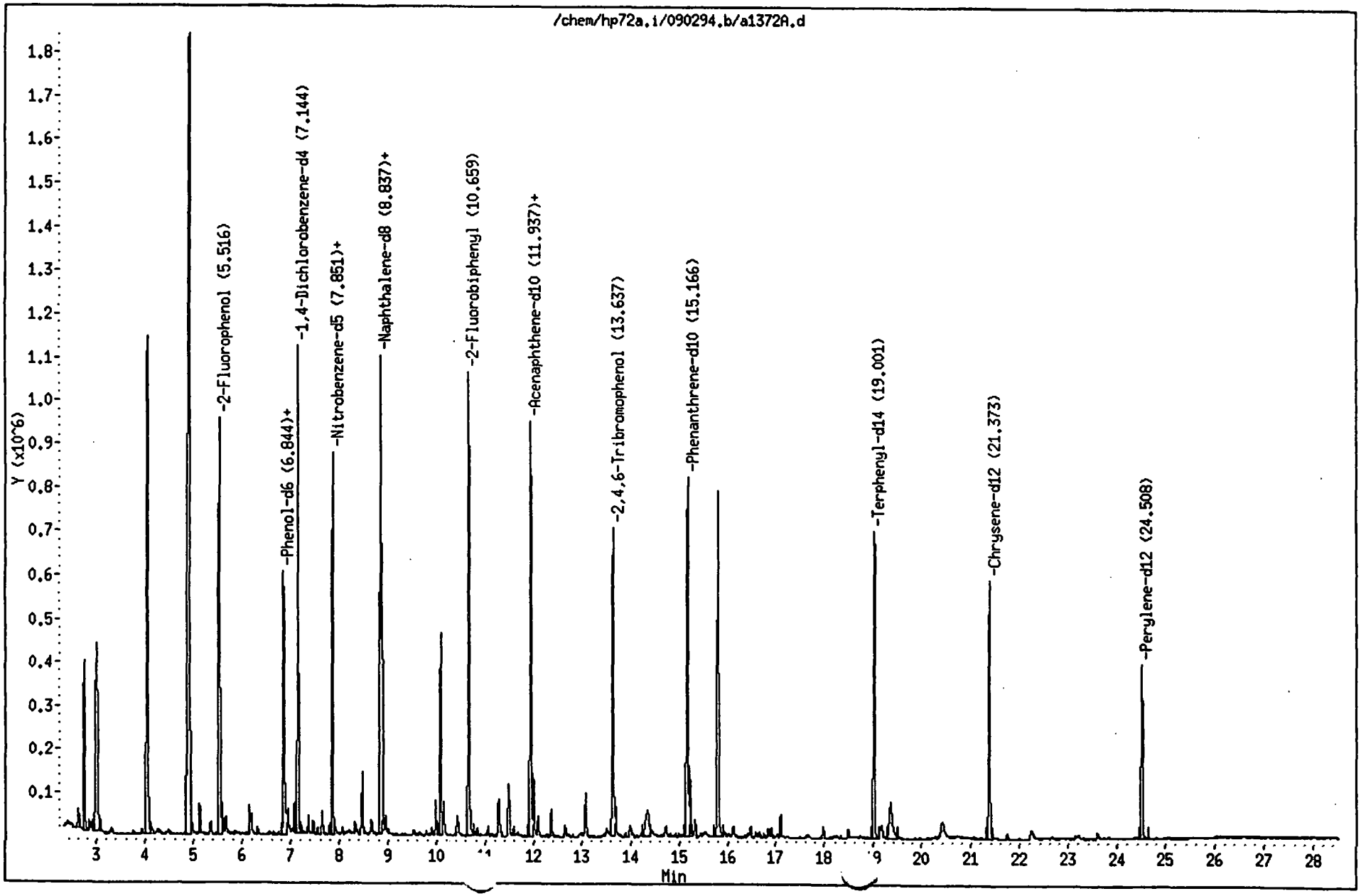
*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000018

Data File: /chem/hp72a.i/090294.b/a1372A.d
Date : 02-SEP-94 09:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000017



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	296275	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.880	(1.005)	10150	1.032	5.161(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	33718	2.526	12.628(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	544848	33.169	165.845
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.994	(1.005)	24997	1.116	5.579(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	398313	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	24997	3.907	19.535(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.358	(1.035)	45379	2.401	12.003(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.096)	52675	3.713	18.564(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	150996	70.767	353.837
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	544635	40.000	
	62 Phenanthrene	178.00	15.216	(1.003)	103236	5.845	29.226(a)
	63 Anthracene	178.00	15.323	(1.010)	32324	1.823	9.115(a)
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	8783	0.348	1.739(a)
	65 Fluoranthene	202.00	17.965	(1.185)	22091	1.268	6.339(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.480	(0.865)	14972	0.784	3.920(a)
$	68 Terphenyl-d14	244.00	19.001	(0.889)	449623	36.557	182.783
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.373	(1.000)	382626	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.017)	8218	0.558	2.788(a)
	75 Di-n-octylphthalate	149.00	23.208	(0.947)	5838	0.238	1.188(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1372A.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 09:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-30/PRC/TCP/200:1/S-1
Misc Info : 0826-30/PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-94 08:15 Cal File: a1371.d
Als bottle: 3
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	4942	0.953	4.763(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.516	(0.772)	508134	50.546	252.730
$	4 Phenol-d6	99.00	6.844	(0.958)	430532	46.246	231.231
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.859	(0.960)	2731	0.232	1.161(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	221379	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.851	(1.099)	55441	7.606	38.032(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.851	(0.888)	397262	40.326	201.631
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.451	(0.956)	6985	1.064	5.320(a)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	8.651	(1.211)	16310	4.621	23.103(aQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	731447	40.000	
	29 Naphthalene	128.00	8.866	(1.003)	394133	18.018	90.089

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk

ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 09:07

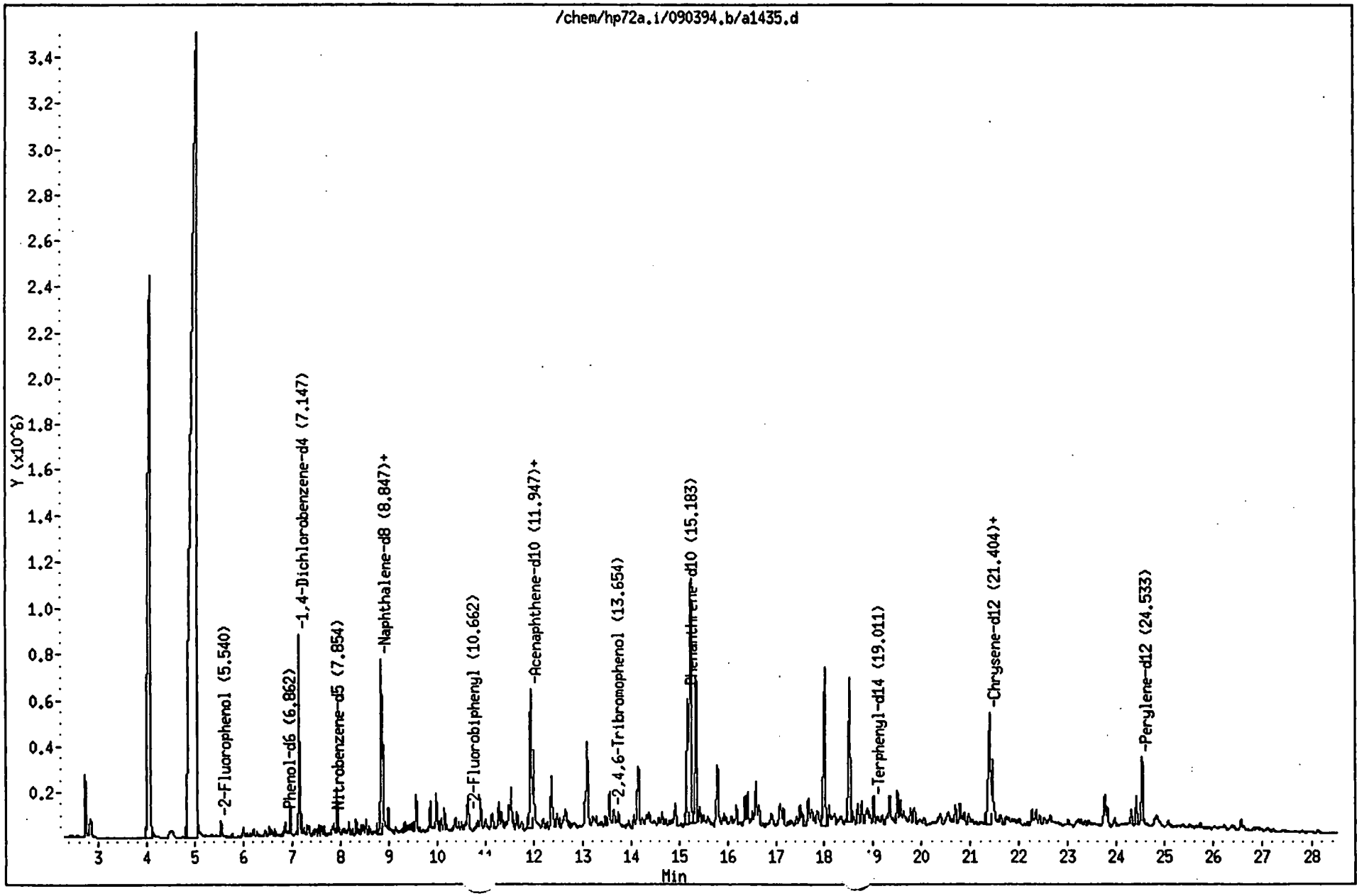
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Data File: /chem/hp72a.i/090394.b/a1435.d
Date : 03-SEP-94 23:00
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.533	(1.000)	232551	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.575	(1.083)	50382	6.361	25.445(a)
81 Dibenzo(a,h)anthracene	278.00	26.625	(1.085)	14992	1.824	7.296(a)
82 Benzo(g,h,i)perylene	276.00	27.111	(1.105)	20514	2.449	9.795(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.876	(1.003)	29267	4.393	17.574(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	74015	8.126	32.506(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.662	(0.892)	38631	3.604	14.417(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	22120	1.489	5.957(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(0.999)	37091	13.131	52.525(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	266088	40.000	(a)
	45 Acenaphthene	152.00	12.004	(1.005)	65492	15.112	60.448(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.461	(1.043)	1126	0.833	3.333(aQ)
	48 Dibenzofuran	168.00	12.369	(1.035)	161858	12.498	49.990(a)
	49 2,4-Dinitrotoluene	165.00	12.397	(1.038)	1038	0.275	1.099(aQ)
	50 Fluorene	166.00	13.097	(1.096)	220167	23.068	92.274(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.404	(0.883)	8958	1.377	5.509(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.143)	7858	4.905	19.620(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	? Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	378421	40.000	(a)
	62 Phenanthrene	178.00	15.247	(1.004)	901955	73.093	292.371(a)
	63 Anthracene	178.00	15.354	(1.011)	525473	42.024	168.098(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.011	(1.186)	688374	55.165	220.660(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.511	(0.865)	520133	35.257	141.029(a)
$	68 Terphenyl-d14	244.00	19.011	(0.888)	32589	3.375	13.501(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.383	(0.999)	162804	14.124	56.498(a)
*	71 Chrysene-d12	240.00	21.404	(1.000)	292283	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.461	(1.003)	196455	19.419	77.675(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.761	(0.969)	128531	12.690	50.761(a)
	77 Benzo(k)fluoranthene	252.00	24.304	(0.991)	44368	4.609	18.436(Ta)
	78 Benzo(a)pyrene	252.00	24.411	(0.995)	88163	9.598	38.392(a)

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1435.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 23:00 Autotune Date: (
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-20/0826-30
Misc Info : PRC/BNA/5:20/S-20/0826-30
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 16
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.733	(0.382)	1153	0.281	1.122(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.540	(0.775)	35540	5.222	20.886(a)
$	4 Phenol-d6	99.00	6.862	(0.960)	35703	5.795	23.180(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	) 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	148483	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.854	(0.888)	23537	3.317	13.269(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	496769	40.000	(a)
	29 Naphthalene	128.00	8.876	(1.003)	213731	14.634	58.537(a)

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	< DL	120	39.6
Hexachlorobutadiene	< DL	120	39.6
Hexachlorocyclopentadiene	< DL	120	39.6
Hexachloroethane	< DL	120	39.6
Indeno(1,2,3-c,d)pyrene	< DL	120	39.6
Isophorone	< DL	120	39.6
Naphthalene	58.5	120	39.6
Nitrobenzene	< DL	120	39.6
N-Nitrosodimethylamine	< DL	120	39.6
N-Nitrosodi-n-propylamine	< DL	120	39.6
N-Nitrosodiphenylamine **	< DL	120	39.6
Phenanthrene	292	120	39.6
Pyrene	141	120	39.6
1,2,4-Trichlorobenzene	< DL	120	39.6
2-Chlorophenol	< DL	120	39.6
2,4-Dichlorophenol	< DL	120	39.6
2,4-Dimethylphenol	< DL	120	39.6
4,6-Dinitro-o-cresol	< DL	120	198
2,4-Dinitrophenol	< DL	120	198
2-Nitrophenol	< DL	120	39.6
4-Nitrophenol	< DL	120	198
p-Chloro-m-cresol	< DL	120	39.6
Pentachlorophenol	< DL	120	198
Phenol	< DL	120	39.6
2,4,6-Trichlorophenol	< DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		60.4	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		168	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene		56.5	120	39.6
Benzo(a)pyrene	<	DL	120	39.6
Benzo(b)fluoranthene		50.8	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		77.7	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		221	120	39.6
Fluorene		92.3	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Jenni Volatiles

Jenni Volatiles

Inchcape Testing Services
Environmental Laboratories

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Sample receipt at Inchcape Testing Services is documented for your designated sample(s). Chain-of-custody documentation, if provided, is included in this report. Sample analysis was performed in accordance with Environmental Protection Agency protocol or other approved methods.

This report shall not be reproduced except in full, without the written permission of Inchcape Testing Services. The results herein relate only to the sample(s) tested. Documented results are shown on the following page(s).

Charles P. Byrne
General Manager
Vice President
Inchcape Testing Services

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Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

GROUP NO. : 9403016
REPORT DATE: 09/27/94

METHODS & REFERENCES

C. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Acid(Phenol)Fraction	TCLP 1311/8270
Base-Neutral Fraction	TCLP 1311/8270
Volatile Organic Fraction	ZHE 1311/8240
Arsenic	TCLP 1311/6010
Beryllium	TCLP 1311/6010
Cadmium	TCLP 1311/6010
Chromium	TCLP 1311/6010
Lead	TCLP 1311/6010
Mercury	TCLP 1311/7471
Silver	TCLP 1311/7760
Selenium	TCLP 1311/6010

Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS
3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

GROUP NO. : 9403016
REPORT DATE: 09/27/94

METHODS & REFERENCES

A. Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983

Parameter	Method
Antimony	200.7
Arsenic	206.2
Beryllium	200.7
Cadmium	200.7
Chromium	200.7
Copper	200.7
Lead	200.7
Mercury	245.1
Silver	272.1
Nickel	200.7
Selenium	270.2
Thallium	279.2
Zinc	200.7

B. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Acid(Phenol)Fraction	8270
Base-Neutral Fraction	8270
Volatile Organic Fraction	8240
Flashpoint	1010
Antimony	6010
Arsenic	7060
Beryllium	6010
Cadmium	6010
Chromium	6010
Copper	6010
Lead	6010
Mercury	7471
Silver	7760
Nickel	6010
Selenium	7740
Thallium	7841
Zinc	6010

Inchcape Testing Services
Environmental Laboratories

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CASE NARRATIVE
(continued)

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403016
Date: 09/27/94 Page: 2 of 2

INORGANIC QUALITY CONTROL CRITERIA:

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

West-Paine Laboratories is pleased to have had the opportunity of providing this analytical characterization and is eager to assist you with any future requirements.

Inchcape Testing Services/Environmental Laboratories

Charles P. Byrne, General Manager

10/4/94
Date

ppe

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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CASE NARRATIVE

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403016
Date: 09/27/94 Page: 1 of 2

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: In the Semivolatile analysis, sample 9408260048(SBA-11) had one surrogate (2-Fluorophenol) out of Acceptable Limits, but was within laboratory acceptable criteria.

All other surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): All MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): Antimony, Arsenic, Thallium and Zinc were outside of Control Limits; however, post digestion spikes were performed and all S/D recoveries were then within quality control criteria.

All other S/D recoveries were within quality control criteria.

ppe

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/27/94

SAMPLE IDENTIFICATION CROSS REFERENCE

Inchcape Testing Service Identification	Client Identification	Matrix	Collection Date	Collection Time
9408260030	SBA-01	SLUDGE	08/24/94	1250
9408260031	SBA-02	SLUDGE	08/24/94	1300
9408260032	SBA-03	SLUDGE	08/24/94	1320
9408260033	SBA-04	SLUDGE	08/24/94	1330
9408260034	SBA-05	SLUDGE	08/24/94	1355
9408260035	SBA-05MSD	SLUDGE	08/24/94	1355
9408260036	SBA-05MS	SLUDGE	08/24/94	1355
9408260037	SBA-06	SLUDGE	08/24/94	1410
9408260038	SBA-07	SLUDGE	08/24/94	1415
9408260039	SBA-08	SLUDGE	08/24/94	1510
9408260040	SBA-09	SLUDGE	08/24/94	1520
9408260041	SBA-10	SLUDGE	08/24/94	1540
9408260042	SBA-TB01	WATER	08/25/94	1105
9408260043	SBA-FB01	WATER	08/25/94	0915
9408260045	SBA-ER01	WATER	08/25/94	0920
9408260046	SBA-TB02	WATER	08/25/94	1108
9408260048	SBA-11	SOIL	08/25/94	0805
9408260049	SBA-12	SOIL	08/25/94	0812
9408260050	SBA-13	SOIL	08/25/94	0817
9408260051	SBA-13MS	SOIL	08/25/94	0817
9408260052	SBA-13MSD	SOIL	08/25/94	0817
9408260053	SBA-14	SOIL	08/25/94	0850

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Inchcape Testing Services
Environmental Laboratories

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ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

PART 1 OF 2

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: MR LUIS VEGA
CLIENT ID: 2291
GROUP NO : 9403016

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1374.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 11:56 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-33/PRC/TCP/200:1/S-1
Misc Info : 0826-33/PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 6
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	4377	0.856	4.281(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.531	(0.774)	458538	46.283	231.417
$	4 Phenol-d6	99.00	6.853	(0.959)	413908	45.115	225.573
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.874	(0.962)	18162	1.567	7.833(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	218170	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.581	(1.061)	167131	30.346	151.729(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.581	(1.061)	167131	21.578	107.892
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.788	(1.090)	249871	34.820	174.100
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	52872	7.361	36.803(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.888)	368929	40.121	200.604
	20 Nitrobenzene	77.00	8.038	(0.908)	6170	0.656	3.278(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.460	(0.956)	252816	41.257	206.286
	24 bis(-2-Chloroethoxy)methane	93.00	8.474	(0.957)	29988	2.872	14.359(aQ)
	25 Benzoic Acid	122.00	8.738	(1.223)	60463	17.381	86.907(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	682757	40.000	
	29 Naphthalene	128.00	8.903	(1.006)	3661054	179.301	896.505

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.938	(1.010)	3786	0.413	2.063(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.074	(1.138)	5575	0.861	4.307(TaQ)
	33 2-Methylnaphthalene	142.00	9.988	(1.128)	300694	24.128	120.642
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.660	(0.892)	542286	33.176	165.881
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	195683	8.778	43.889(a)
	42 2,6-Dinitrotoluene	165.00	11.945	(1.000)	52754	13.302	66.509(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	396353	40.000	
	45 Acenaphthene	152.00	12.002	(1.005)	89231	14.016	70.078
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.367	(1.035)	528	0.346	1.729(aQ)
	48 Dibenzofuran	168.00	12.367	(1.035)	235657	12.528	62.639
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.096)	202474	14.342	71.708
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.710	(0.903)	16861	1.806	9.030(TaQ)
	56 Azobenzene	77.00	13.452	(1.883)	7190	0.410	2.049(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	150917	71.080	355.401
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	552220	40.000	
	62 Phenanthrene	178.00	15.224	(1.003)	323219	18.049	90.246
	63 Anthracene	178.00	15.331	(1.010)	128326	7.138	35.689(a)
	64 Di-n-butylphthalate	149.00	16.752	(1.104)	17345	0.677	3.387(a)
	65 Fluoranthene	202.00	17.974	(1.185)	35637	2.017	10.086(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.481	(0.864)	21902	1.161	5.805(a)
$	68 Terphenyl-d14	244.00	19.009	(0.889)	455653	37.503	187.517
	69 Butylbenzylphthalate	149.00	20.274	(0.948)	4281	0.398	1.992(aQ)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.381	(1.000)	377970	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.017)	14675	1.008	5.040(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

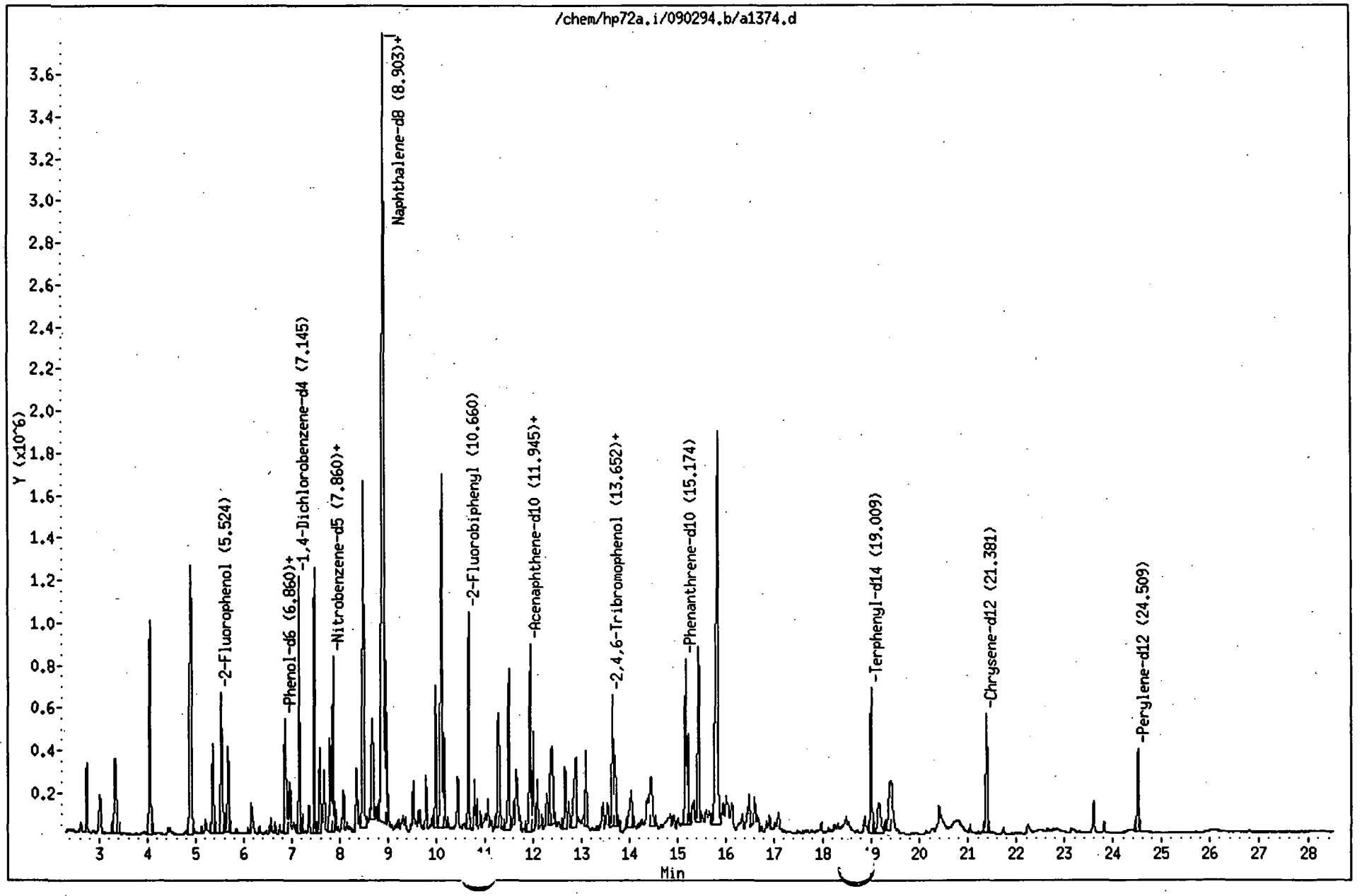
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	282916	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

0000050

Data File: /chem/hp72a.i/090294.b/a1374.d
Date : 02-SEP-94 11:56
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 16:12 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2210	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		834	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2490	2400	792
Fluorene		1270	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 16:12 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2480	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4320	2400	792
Pyrene		1650	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000052

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1453.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 16:12 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-34
Misc Info : PRC/BNA/5:400/S-2/0826-34
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 4
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.733	(0.383)	1437	0.318	25.428(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.962	(0.975)	1703	0.259	20.732(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.140	(1.000)	168117	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.840	(1.000)	570715	40.000	(a)
	29 Naphthalene	128.00	8.876	(1.004)	320503	20.122	1609.728(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.905	(1.007)	2469	0.345	27.576(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.983	(1.129)	76442	7.371	589.685(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	39204	2.360	188.761(a)
	42 2,6-Dinitrotoluene	165.00	11.947	(1.000)	44200	13.774	1101.885(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	314728	40.000	(a)
	45 Acenaphthene	152.00	12.005	(1.005)	24470	5.111	408.918(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.583	(1.053)	1152	0.762	60.972(aQ)
	48 Dibenzofuran	168.00	12.369	(1.035)	89424	6.275	502.005(a)
	49 2,4-Dinitrotoluene	165.00	12.076	(1.011)	1568	0.364	29.097(Ta)
	50 Fluorene	166.00	13.097	(1.096)	108058	10.209	816.745(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.405	(0.883)	6133	0.880	70.405(a)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	439291	40.000	(a)
	62 Phenanthrene	178.00	15.240	(1.004)	427581	32.920	2633.631(a)
	63 Anthracene	178.00	15.347	(1.011)	227253	17.624	1409.887(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.997	(1.185)	250264	19.582	1566.551(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.504	(0.865)	189693	11.648	931.833(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	57049	4.497	359.726(a)
*	71 Chrysene-d12	240.00	21.404	(1.000)	363061	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.454	(1.002)	77999	7.257	580.578(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.968)	37482	3.630	290.369(a)
	77 Benzo(k)fluoranthene	252.00	24.297	(0.990)	14917	1.517	121.346(Ta)
	78 Benzo(a)pyrene	252.00	24.404	(0.995)	28086	3.146	251.677(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.533	(1.000)	278970	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.568	(1.083)	13285	1.741	139.298(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	27.111	(1.105)	8077	1.042	83.369(a)

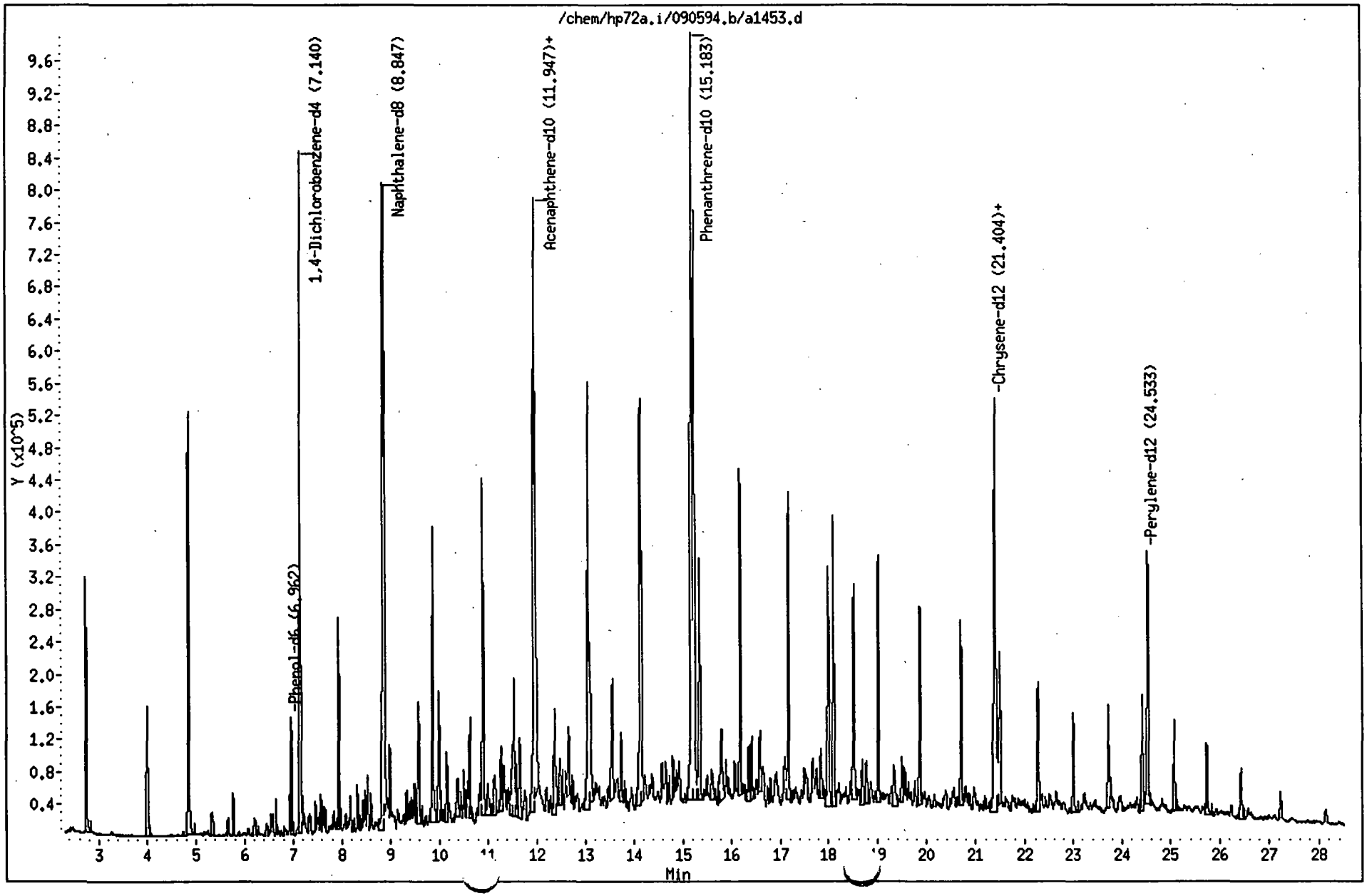
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

Data File: /chem/hp72a.i/090594.b/a1453.d
Date : 05-SEP-94 16:12
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000056



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1499.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 21:38 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-34
Misc Info : PRC/BNA/5:400/S-2/0826-34
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 10
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.681	(0.379)	2481	0.974	77.881(Ta)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.903	(0.975)	996	0.256	20.512(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	89966	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.767	(1.000)	290517	40.000	(a)
	29 Naphthalene	128.00	8.795	(1.003)	252883	31.016	2481.290(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.795	(1.003)	35779	13.990	1119.182(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.902	(1.130)	57746	11.438	915.063(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.552	(0.975)	29791	3.894	311.558(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.852	(1.000)	148431	40.000	(a)
	45 Acenaphthene	152.00	11.910	(1.005)	20298	9.004	720.326(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.324	(1.040)	234	0.226	18.077(aQ)
	48 Dibenzofuran	168.00	12.274	(1.036)	67756	10.092	807.337(a)
	49 2,4-Dinitrotoluene	165.00	11.852	(1.000)	18797	10.225	817.993(TaQ)
	50 Fluorene	166.00	13.002	(1.097)	79144	15.865	1269.238(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.310	(0.883)	4267	1.354	108.280(aQ)
	56 Azobenzene	77.00	13.538	(1.912)	1935	0.259	20.688(aQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	208892	40.000	(a)
	62 Phenanthrene	178.00	15.138	(1.004)	337973	53.997	4319.787(a)
	63 Anthracene	178.00	15.245	(1.011)	170620	27.658	2212.637(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.888	(1.187)	195759	31.126	2490.084(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.395	(0.864)	149569	20.646	1651.671(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	51084	8.259	660.728(aM)
*	71 Chrysene-d12	240.00	21.288	(1.000)	184891	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.338	(1.002)	57248	10.427	834.125(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.638	(0.968)	34614	4.767	381.355(a)
	77 Benzo(k)fluoranthene	252.00	24.181	(0.990)	14241	1.998	159.848(Ta)
	78 Benzo(a)pyrene	252.00	24.288	(0.994)	26633	3.962	316.971(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.424	(1.000)	211897	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.431	(1.082)	13569	2.095	167.573(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	26.959	(1.104)	8160	1.237	98.928(a)

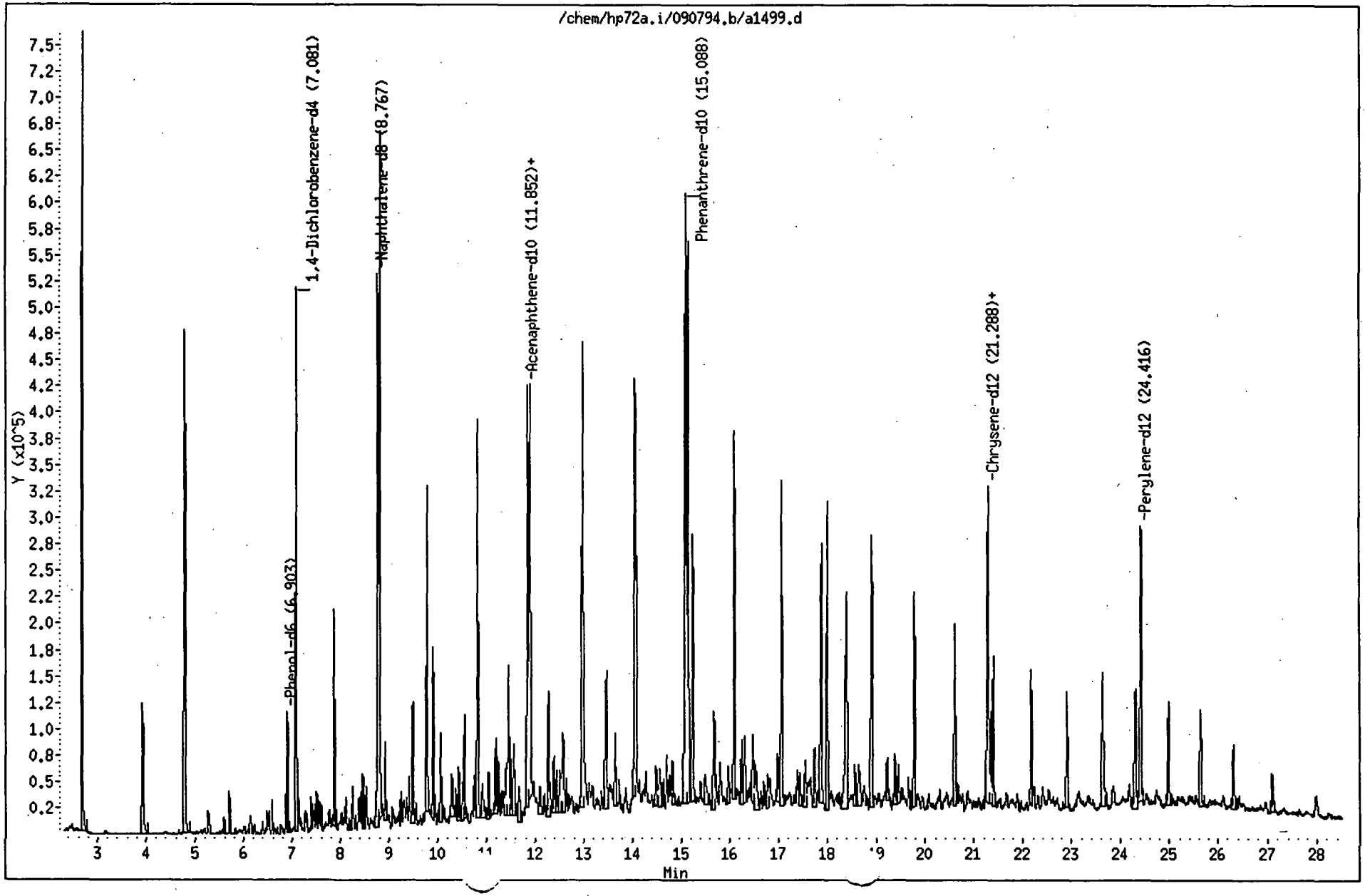
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

Data File: /chem/hp72a.i/090794.b/a1499.d
Date : 07-SEP-94 21:38
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000060



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 12:33
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.13	200.0	0.05	1	8270
m & p-Cresol	0.13	200.0	0.05	1	8270
Cresols	0.26	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1375.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 12:33 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-34PRC/TCP/200:1/S-1
Misc Info : 0826-34PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 7
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	2821	0.531	2.657(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.539	(0.775)	505748	49.166	245.831
$	4 Phenol-d6	99.00	6.860	(0.960)	451320	47.378	236.892
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.881	(0.963)	40034	3.326	16.629(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	226523	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.581	(1.061)	207124	36.220	181.102(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.581	(1.061)	207124	25.756	128.779
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.803	(1.092)	197233	26.471	132.356
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	58010	7.778	38.890(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.889)	402119	41.058	205.289
	20 Nitrobenzene	77.00	8.074	(0.913)	22834	2.278	11.389(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.467	(0.957)	265607	40.696	203.479
	24 bis(-2-Chloroethoxy)methane	93.00	8.481	(0.959)	31656	2.846	14.231(aQ)
	25 Benzoic Acid	122.00	8.689	(1.216)	290467	80.422	402.109(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	727196	40.000	
	29 Naphthalene	128.00	8.889	(1.005)	1997858	91.866	459.331

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.903	(1.006)	13743	1.406	7.029(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.129)	118163	8.902	44.511(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	612685	35.145	175.727
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	88941	3.741	18.704(a)
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	53592	12.670	63.351(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	422716	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	28161	4.147	20.737(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.481	(1.045)	1288	0.791	3.955(aQ)
	48 Dibenzofuran	168.00	12.367	(1.035)	82172	4.096	20.480(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	71038	4.718	23.590(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.710	(0.903)	18489	1.847	9.235(TaQ)
	56 Azobenzene	77.00	13.446	(1.882)	5311	0.292	1.458(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.660	(1.143)	175039	77.300	386.499
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	592102	40.000	
	62 Phenanthrene	178.00	15.224	(1.003)	126267	6.576	32.880(a)
	63 Anthracene	178.00	15.338	(1.011)	60143	3.120	15.600(a)
	64 Di-n-butylphthalate	149.00	16.753	(1.104)	20478	0.746	3.729(a)
	65 Fluoranthene	202.00	17.981	(1.185)	14610	0.771	3.856(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.864)	8691	0.399	1.995(a)
$	68 Terphenyl-d14	244.00	19.017	(0.889)	519714	37.051	185.255
	69 Butylbenzylphthalate	149.00	20.281	(0.948)	10855	0.875	4.374(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	436373	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	14650	0.872	4.358(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	342465	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

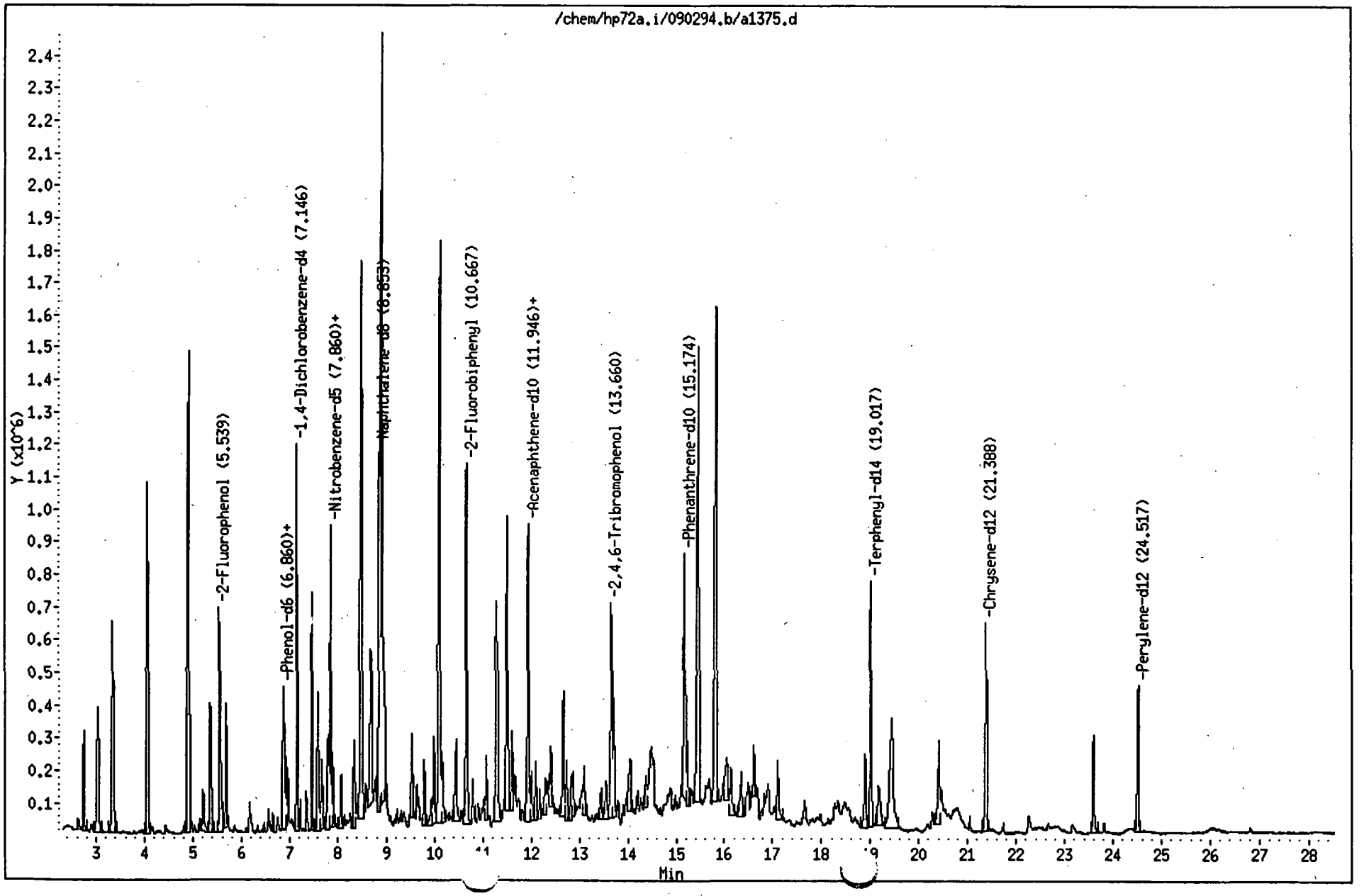
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090294.b/a1375.d
Date : 02-SEP-94 12:33
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000065



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 16:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		1170	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		869	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3120	2400	792
Fluorene		954	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 16:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2330	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4700	2400	792
Pyrene		1660	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000067

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1454.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 16:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-37
Misc Info : PRC/BNA/5:400/S-2/0826-37
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 5
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.730	(0.382)	1183	0.401	32.062(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.145	(1.000)	1332	0.310	24.836(TaQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	109765	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.845	(1.000)	347448	40.000	(a)
	29 Naphthalene	128.00	8.873	(1.003)	282259	29.108	2328.615(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.873	(1.003)	38807	8.899	711.944(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.987	(1.129)	47974	7.599	607.887(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.652	(0.975)	20655	2.014	161.151(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	194227	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	19645	6.650	531.961(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.380	(1.036)	449	0.481	38.508(aQ)
	48 Dibenzofuran	168.00	12.373	(1.036)	67664	7.694	615.514(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.094	(1.096)	77855	11.919	953.546(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.409	(0.883)	3465	0.854	68.286(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	255890	40.000	(a)
	62 Phenanthrene	178.00	15.237	(1.004)	444811	58.792	4703.391(a)
	63 Anthracene	178.00	15.344	(1.011)	109580	14.589	1167.091(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.994	(1.185)	290754	39.055	3124.430(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.509	(0.865)	191105	20.762	1660.934(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	32778	4.571	365.679(a)
*	71 Chrysene-d12	240.00	21.394	(1.000)	205204	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.451	(1.003)	66009	10.866	869.298(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.758	(0.969)	29063	3.781	302.482(a)
	77 Benzo(k)fluoranthene	252.00	24.301	(0.991)	10903	1.489	119.158(Ta)
	78 Benzo(a)pyrene	252.00	24.401	(0.995)	13072	1.967	157.372(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.530	(1.000)	207647	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.573	(1.083)	7086	1.248	99.819(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

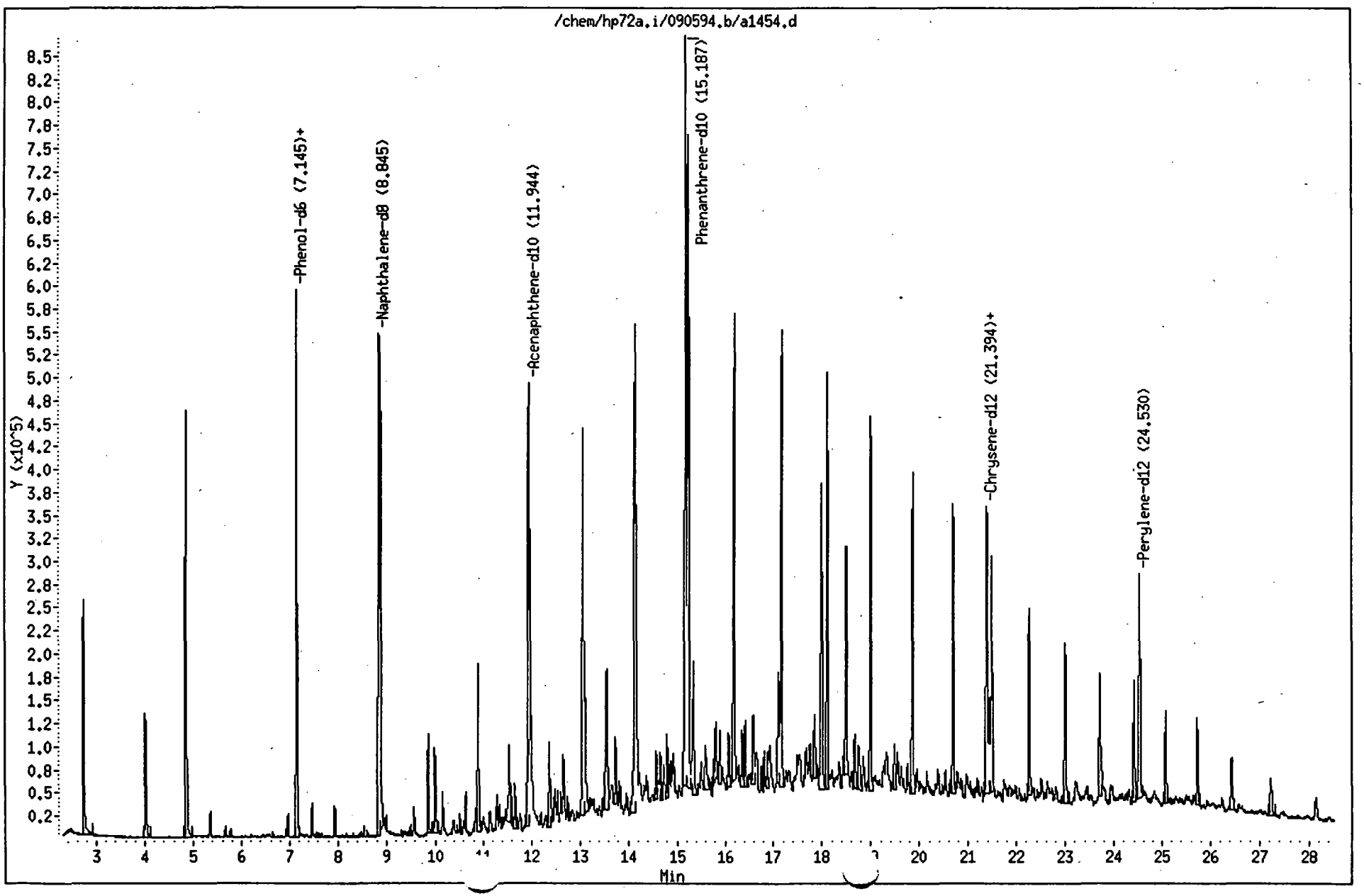
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1454.d
Date : 05-SEP-94 16:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

000071



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 16:23
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.10	200.0	0.05	1	8270
m & p-Cresol	0.21	200.0	0.05	1	8270
Cresols	0.31	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000072

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1381.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 16:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-37
Misc Info : PRC/TCP/200:1/S-1/0826-37
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 13
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.562	(0.358)	4737	1.217	6.083(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.526	(0.773)	330911	43.859	219.295
$	4 Phenol-d6	99.00	6.847	(0.958)	296108	42.380	211.900
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.861	(0.960)	53582	6.069	30.344(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	166149	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.576	(1.060)	116463	27.767	138.834(Q)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.576	(1.060)	116463	19.745	98.723
	15 Bis(2-chloroisopropyl)ether	45.00	7.504	(1.050)	2335	0.266	1.329(aQ)
	16 3- & 4-Methylphenol	108.00	7.783	(1.089)	224483	41.076	205.382
	17 N-Nitroso-di-n-propylamine	70.00	7.861	(1.100)	44629	8.158	40.792(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.889)	289642	40.847	204.236
	20 Nitrobenzene	77.00	8.068	(0.912)	18221	2.510	12.552(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.454	(0.956)	195809	41.438	207.192
	24 bis(-2-Chloroethoxy)methane	93.00	8.476	(0.958)	8077	1.003	5.015(aQ)
	25 Benzoic Acid	122.00	8.661	(1.212)	219077	82.697	413.484(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	526491	40.000	
	29 Naphthalene	128.00	8.890	(1.005)	2329426	147.945	739.726

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.861	(1.002)	16879	2.385	11.925(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.076	(1.139)	5416	1.085	5.426(TaQ)
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	157877	16.429	82.143
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.893)	410469	33.396	166.980
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	86687	5.171	25.856(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(1.000)	39870	13.369	66.847(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	298035	40.000	
	45 Acenaphthene	152.00	12.004	(1.005)	42470	8.871	44.357(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.911	(1.081)	304	0.265	1.324(TaQ)
	48 Dibenzofuran	168.00	12.368	(1.036)	133436	9.434	47.169(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.097	(1.097)	134555	12.675	63.375
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.440	(0.885)	6412	0.996	4.978(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.144)	117044	73.312	366.559
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	380897	40.000	
	62 Phenanthrene	178.00	15.233	(1.003)	354295	28.683	143.417
	63 Anthracene	178.00	15.347	(1.011)	85937	6.930	34.650(a)
	64 Di-n-butylphthalate	149.00	16.768	(1.104)	17829	1.009	5.047(a)
	65 Fluoranthene	202.00	17.990	(1.185)	108326	8.889	44.447(a)
	66 Benzidine	184.00	18.475	(2.585)	25594	8.617	43.083(a)
	67 Pyrene	202.00	18.497	(0.864)	66551	4.379	21.894(a)
$	68 Terphenyl-d14	244.00	19.018	(0.889)	355912	36.362	181.812
	69 Butylbenzylphthalate	149.00	20.290	(0.948)	7398	0.854	4.272(a)
	70 Benzo(a)anthracene	228.00	21.368	(0.999)	11284	0.948	4.741(aQ)
*	71 Chrysene-d12	240.00	21.397	(1.000)	304496	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.447	(1.002)	18261	1.739	8.693(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.747	(1.016)	19294	1.645	8.226(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.747	(0.968)	9115	0.897	4.485(a)
	77 Benzo(k)fluoranthene	252.00	23.797	(0.970)	4592	0.455	2.277(aQ)
	78 Benzo(a)pyrene	252.00	24.389	(0.994)	3983	0.428	2.139(aQ)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	237946	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.554	(1.083)	2718	0.324	1.618(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

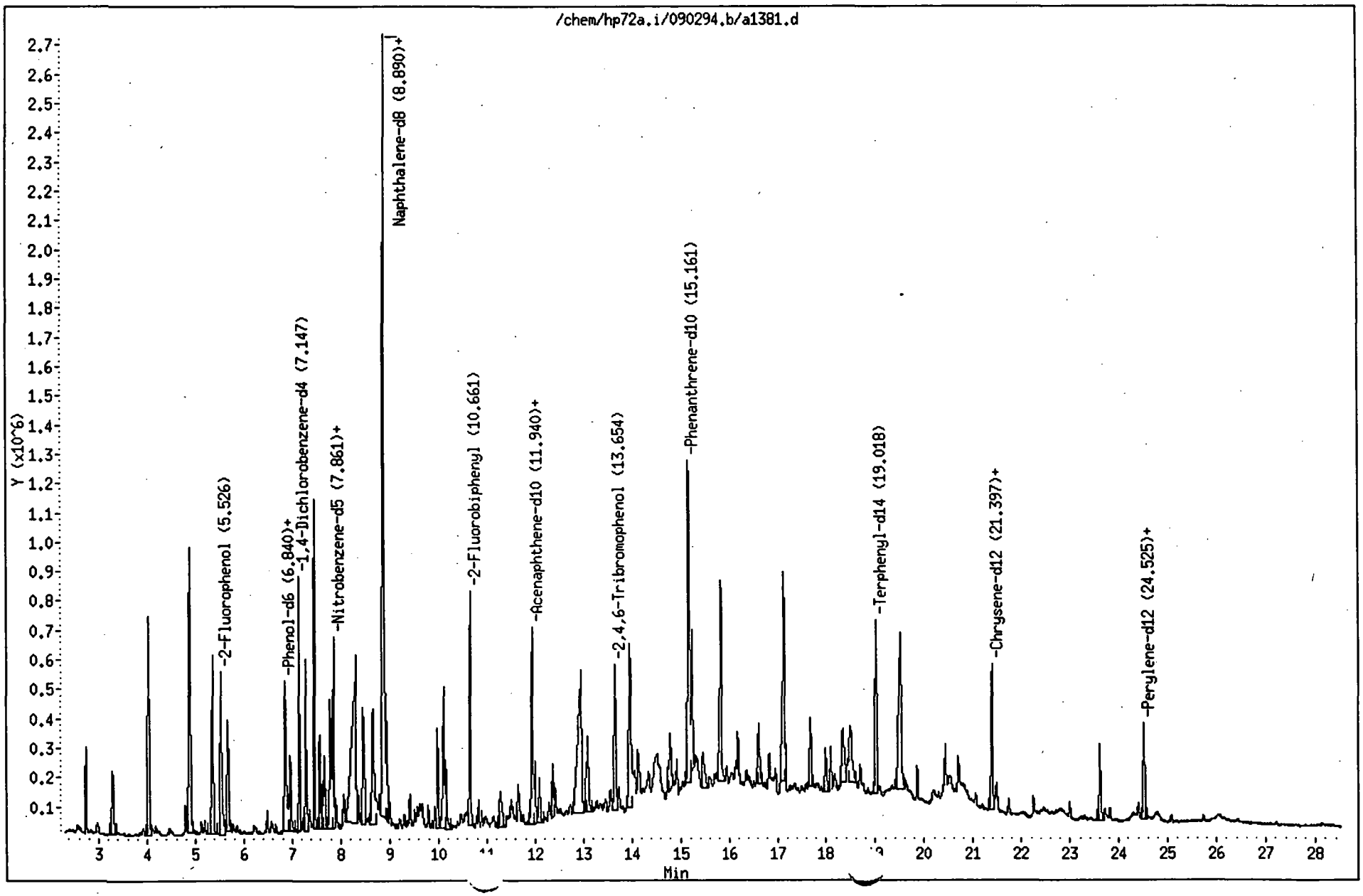
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090294.b/a1381.d
Date : 02-SEP-94 16:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000076



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 17:29 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		1060	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		875	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3090	2400	792
Fluorene		978	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000077

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: jmk **ANALYSIS DATE:** 09/05/94 **METHOD:** 8270
ANALYSIS TIME: 17:29 **PREP REQ** : Y **PREP DATE** : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2320	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4580	2400	792
Pyrene		1650	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000078

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1455.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 17:29 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-38
Misc Info : PRC/BNA/5:400/S-2/0826-38
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 6
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.738	(0.383)	1369	0.582	46.560(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.145	(1.000)	1126	0.329	26.347(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	87470	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	271151	40.000	(a)
	29 Naphthalene	128.00	8.874	(1.004)	219110	28.953	2316.278(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.895	(1.006)	3516	1.033	82.654(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.130)	37130	7.536	602.866(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.652	(0.976)	16360	2.003	160.270(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	154685	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	15024	6.385	510.828(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.374	(1.036)	51597	7.367	589.340(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	63589	12.224	977.909(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.402	(0.883)	2379	0.710	56.822(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	211137	40.000	(a)
	62 Phenanthrene	178.00	15.231	(1.004)	357602	57.284	4582.732(a)
	63 Anthracene	178.00	15.338	(1.011)	82379	13.292	1063.357(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.995	(1.186)	237358	38.641	3091.277(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	160028	20.676	1654.093(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	26283	4.359	348.719(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	172545	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.445	(1.002)	55886	10.941	875.290(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.968)	22333	3.497	279.795(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.990)	8600	1.414	113.138(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.994)	9687	1.755	140.381(a)

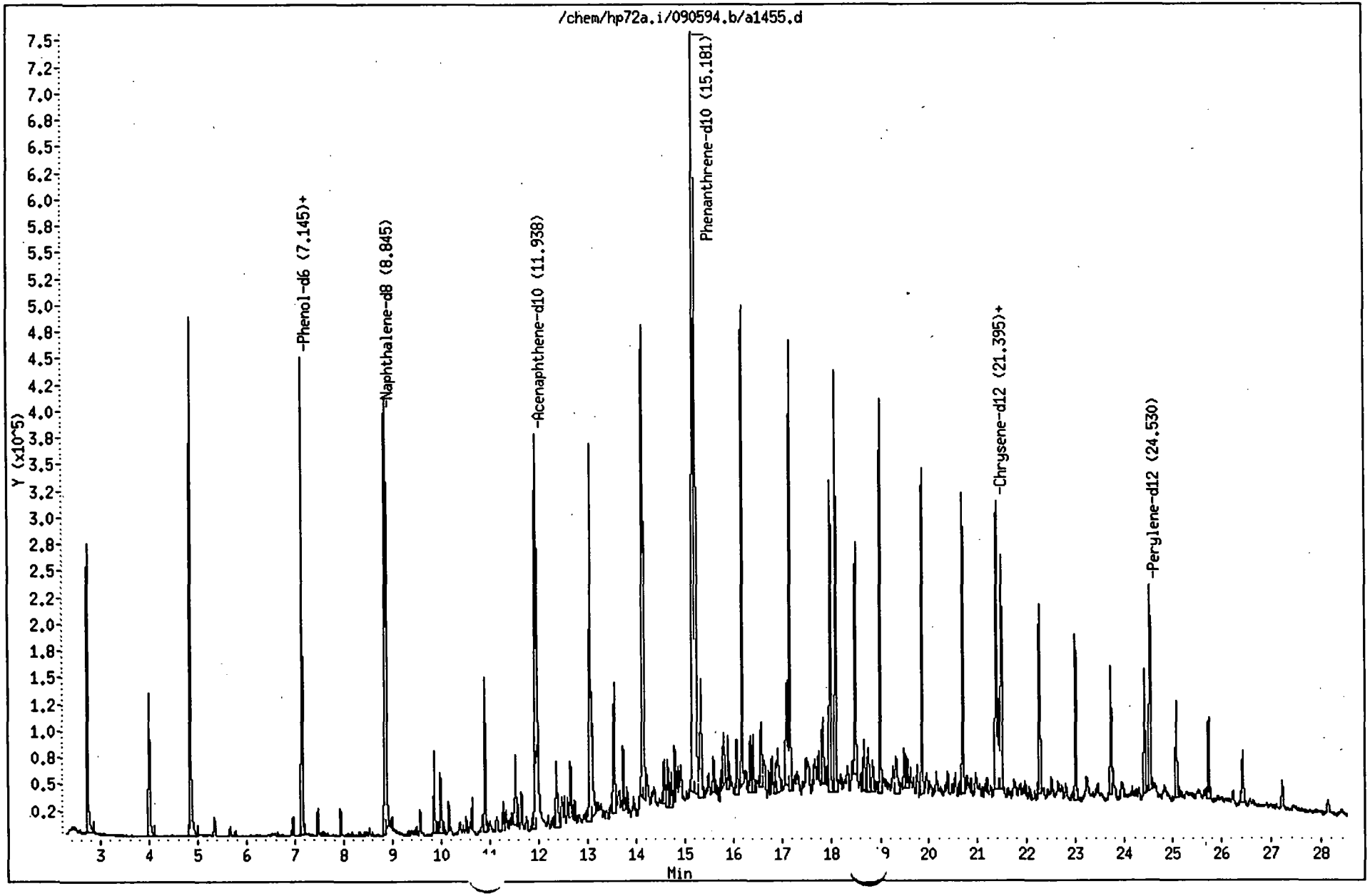
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.530	(1.000)	172501	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.083)	5421	1.149	91.924(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
" - Compound response manually integrated.

0000082

Data File: /chem/hp72a.i/090594.b/a1455.d
Date : 05-SEP-94 17:29
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 17:01
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.11	200.0	0.05	1	8270
m & p-Cresol	0.23	200.0	0.05	1	8270
Cresols	0.34	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1382.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 17:01 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-38
Misc Info : PRC/TCP/200:1/S-1/0826-38
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 14
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	5795	1.165	5.825(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.537	(0.774)	490117	50.848	254.240
$	4 Phenol-d6	99.00	6.859	(0.959)	422593	47.343	236.717
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.873	(0.961)	76830	6.811	34.057(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	212261	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.580	(1.060)	168280	31.405	157.025(Q)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.580	(1.060)	168280	22.332	111.658
	15 Bis(2-chloroisopropyl)ether	45.00	7.444	(1.041)	3722	0.332	1.659(aQ)
	16 3- & 4-Methylphenol	108.00	7.794	(1.090)	316172	45.286	226.428
	17 N-Nitroso-di-n-propylamine	70.00	7.866	(1.100)	66668	9.540	47.698(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.866	(0.889)	416338	47.019	235.093
	20 Nitrobenzene	77.00	8.073	(0.912)	26762	2.953	14.764(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	8.751	(0.989)	1558	0.299	1.494(TaQ)
	23 2,4-Dimethyphenol	122.00	8.466	(0.956)	278224	47.151	235.753
	24 bis(-2-Chloroethoxy)methane	93.00	8.480	(0.958)	18067	1.797	8.984(aQ)
	25 Benzoic Acid	122.00	8.730	(1.221)	77402	22.870	114.351(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.851	(1.000)	657458	40.000	
	29 Naphthalene	128.00	8.894	(1.005)	3010011	153.089	765.443

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.916	(1.007)	5580	0.631	3.157(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.080	(1.139)	6186	0.992	4.962(TaQ)
	33 2-Methylnaphthalene	142.00	9.987	(1.128)	201061	16.754	83.772
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	587434	37.270	186.349
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	114257	5.315	26.576(a)
	42 2,6-Dinitrotoluene	165.00	11.944	(1.000)	50068	13.092	65.461(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	382194	40.000	
	45 Acenaphthene	152.00	12.001	(1.005)	49833	8.117	40.587(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.487	(1.045)	1589	1.079	5.396(aQ)
	48 Dibenzofuran	168.00	12.366	(1.035)	155325	8.563	42.816(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.094	(1.096)	146889	10.790	53.950
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.444	(0.885)	7776	1.002	5.009(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.666	(1.144)	165201	80.690	403.452
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.187	(1.000)	459059	40.000	
	62 Phenanthrene	178.00	15.237	(1.003)	303855	20.411	102.056
	63 Anthracene	178.00	15.344	(1.010)	78022	5.220	26.102(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.987	(1.184)	46947	3.197	15.983(a)
	66 Benzidine	184.00	18.480	(2.584)	19668	5.183	25.915(a)
	67 Pyrene	202.00	18.501	(0.865)	23999	1.453	7.267(aQ)
$	68 Terphenyl-d14	244.00	19.023	(0.889)	421074	39.593	197.967
	69 Butylbenzylphthalate	149.00	20.294	(0.949)	9802	1.042	5.209(a)
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	4426	0.342	1.712(aQ)
*	71 Chrysene-d12	240.00	21.394	(1.000)	330847	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.444	(1.002)	4309	0.378	1.888(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.744	(1.016)	9923	0.779	3.894(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.522	(1.000)	235866	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

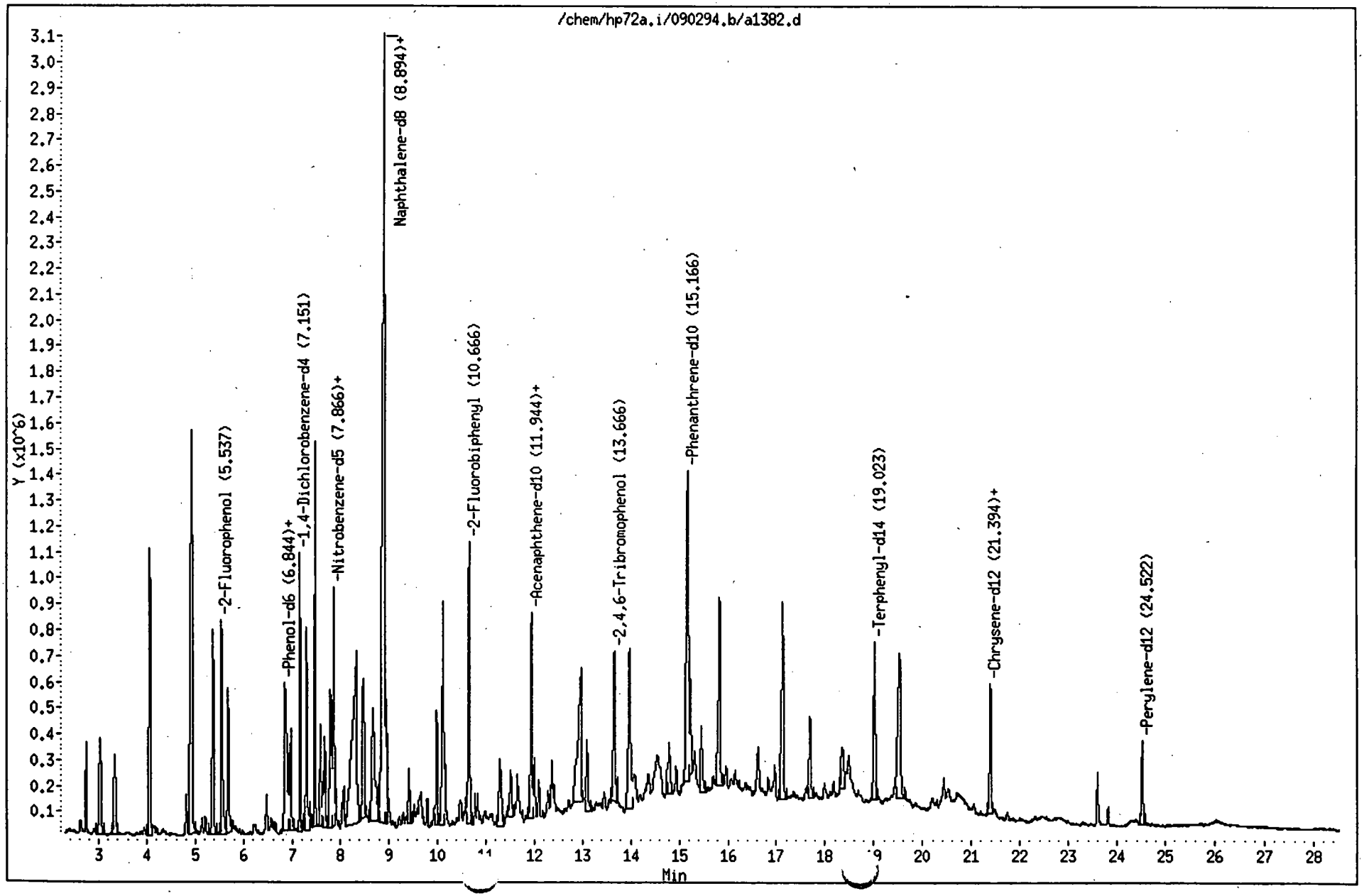
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090294.b/a1382.d
Date : 02-SEP-94 17:01
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000087



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:07 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		2480	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		11700	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene		1340	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1810	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		5850	2400	792
Fluorene		4120	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:07 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	< DL	2400	792
Hexachlorobutadiene	< DL	2400	792
Hexachlorocyclopentadiene	< DL	2400	792
Hexachloroethane	< DL	2400	792
Indeno(1,2,3-c,d)pyrene	< DL	2400	792
Isophorone	< DL	2400	792
Naphthalene	4860	2400	792
Nitrobenzene	< DL	2400	792
N-Nitrosodimethylamine	< DL	2400	792
N-Nitrosodi-n-propylamine	< DL	2400	792
N-Nitrosodiphenylamine **	< DL	2400	792
Phenanthrene	10700	2400	792
Pyrene	3550	2400	792
1,2,4-Trichlorobenzene	< DL	2400	792
2-Chlorophenol	< DL	2400	792
2,4-Dichlorophenol	< DL	2400	792
2,4-Dimethylphenol	< DL	2400	792
4,6-Dinitro-o-cresol	< DL	2400	3960
2,4-Dinitrophenol	< DL	2400	3960
2-Nitrophenol	< DL	2400	792
4-Nitrophenol	< DL	2400	3960
p-Chloro-m-cresol	< DL	2400	792
Pentachlorophenol	< DL	2400	3960
Phenol	< DL	2400	792
2,4,6-Trichlorophenol	< DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000089

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1456.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 18:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-39
Misc Info : PRC/BNA/5:400/S-2/0826-39
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 7
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.734	(0.382)	1125	0.437	34.938(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.148	(1.000)	905	0.242	19.336(TaQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.148	(1.000)	95792	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.876	(1.004)	1079	0.417	33.337(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.841	(1.000)	305944	40.000	(a)
	29 Naphthalene	128.00	8.876	(1.004)	518287	60.699	4855.881(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.898	(1.006)	6216	1.619	129.507(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.991	(1.130)	149935	26.970	2157.586(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.648	(0.975)	79909	8.971	717.681(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(1.000)	24856	14.448	1155.842(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	168726	40.000	(a)
	45 Acenaphthene	152.00	12.005	(1.005)	79530	30.988	2479.055(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.369	(1.036)	1321	1.630	130.417(a)
	48 Dibenzofuran	168.00	12.376	(1.036)	255514	33.445	2675.606(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.105	(1.097)	292518	51.552	4124.159(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.405	(0.883)	5262	1.344	107.534(aQ)
	56 Azobenzene	77.00	13.462	(1.883)	1968	0.234	18.693(aQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	246768	40.000	(a)
	62 Phenanthrene	178.00	15.255	(1.005)	975750	133.736	10698.887(a)
	63 Anthracene	178.00	15.376	(1.013)	1060178	146.361	11708.919(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.005	(1.186)	524998	73.127	5850.153(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.512	(0.865)	370995	44.406	3552.475(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	109411	16.810	1344.810(a)
*	71 Chrysene-d12	240.00	21.397	(1.000)	186253	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.447	(1.002)	124481	22.577	1806.140(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.969)	65404	9.381	750.452(a)
	77 Benzo(k)fluoranthene	252.00	24.297	(0.991)	22278	3.355	268.419(Ta)
	78 Benzo(a)pyrene	252.00	24.397	(0.995)	47440	7.870	629.637(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.526	(1.000)	188350	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.569	(1.083)	23354	4.534	362.690(a)
81 Dibenzo(a,h)anthracene	278.00	26.633	(1.086)	5532	1.026	82.051(a)
82 Benzo(g,h,i)perylene	276.00	27.104	(1.105)	14753	2.819	225.541(a)

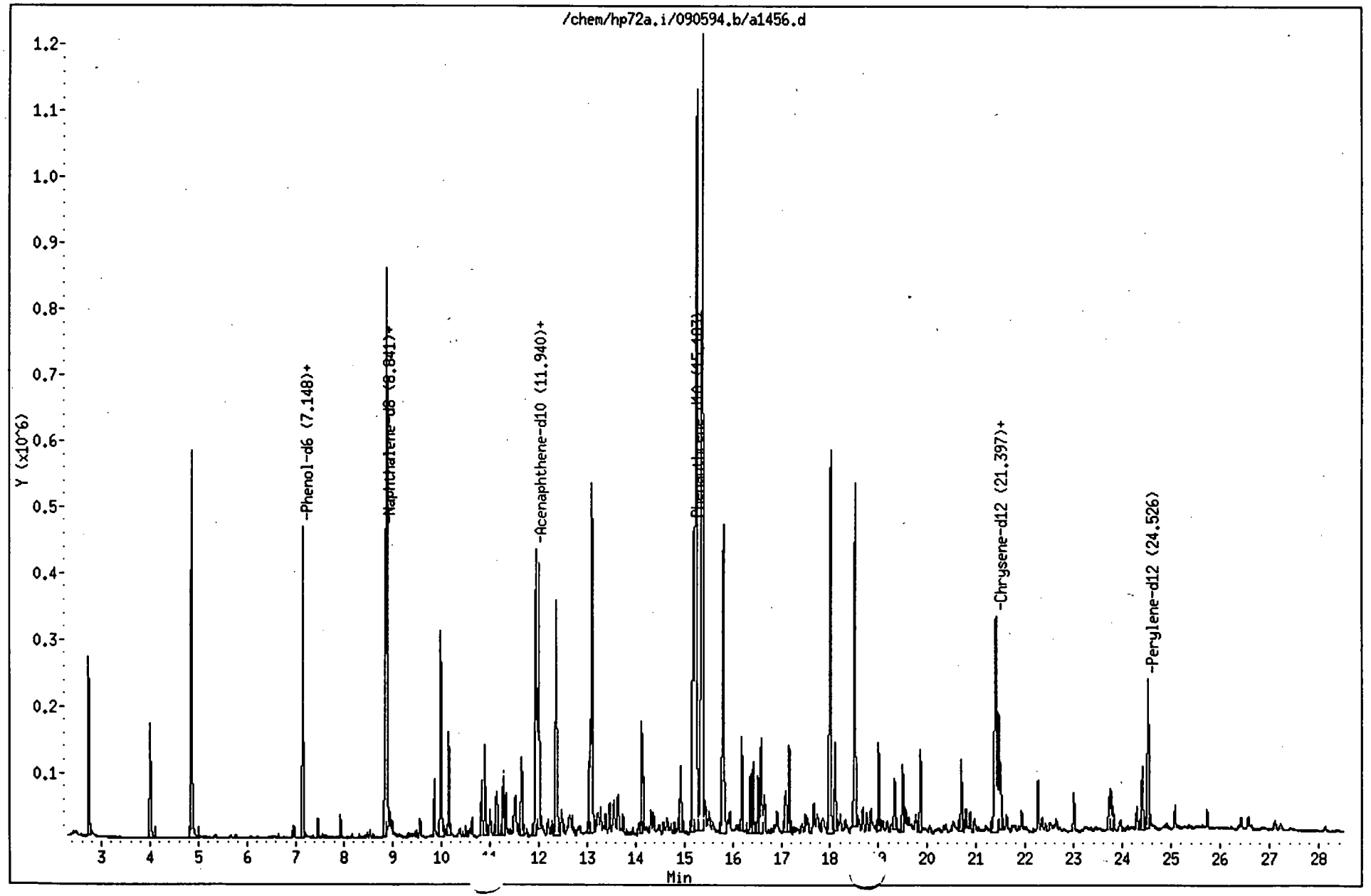
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1456.d
Date : 05-SEP-94 18:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000093



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 17:38
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.57	200.0	0.05	1	8270
m & p-Cresol	0.95	200.0	0.05	1	8270
Cresols	1.52	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1383.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 17:38 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-39
Misc Info : PRC/TCP/200:1/S-1/0826-39
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 15
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	8023	1.779	8.894(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.560	(0.778)	425027	48.628	243.139
$	4 Phenol-d6	99.00	6.895	(0.965)	365771	45.190	225.949
	5 Aniline	93.00	6.760	(0.946)	44620	3.739	18.694(a)
	6 Phenol	94.00	6.910	(0.967)	805254	78.730	393.648
	7 bis(-2-Chloroethyl)Ether	93.00	6.760	(0.946)	44620	5.566	27.828(aQ)
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	192476	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.617	(1.066)	777552	160.025	800.127(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.617	(1.066)	777552	113.792	568.958
	15 Bis(2-chloroisopropyl)ether	45.00	7.110	(0.995)	3214	0.316	1.579(TaQ)
	16 3- & 4-Methylphenol	108.00	7.824	(1.095)	1200967	189.698	948.488(M)
	17 N-Nitroso-di-n-propylamine	70.00	7.867	(1.101)	49882	7.871	39.357(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.867	(0.888)	355307	48.736	243.679
	20 Nitrobenzene	77.00	8.053	(0.909)	58087	7.784	38.920(TaQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.502	(0.960)	323040	66.492	332.460
	24 bis(-2-Chloroethoxy)methane	93.00	8.545	(0.965)	18876	2.280	11.400(aQ)
	25 Benzoic Acid	122.00	8.752	(1.225)	764286	249.040	1245.199(AQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.860	(1.000)	541312	40.000	
	29 Naphthalene	128.00	8.917	(1.006)	4830413	298.387	1491.933(A)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.931	(1.008)	16351	2.247	11.235(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.067	(1.136)	11117	2.166	10.832(TaQ)
	33 2-Methylnaphthalene	142.00	10.002	(1.129)	529668	53.608	268.038
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.674	(0.893)	515269	36.297	181.485
	38 2-Chloronaphthalene	162.00	10.967	(0.918)	5217	0.424	2.122(aQ)
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.667	(0.976)	377170	19.481	97.404
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.952	(1.000)	344226	40.000	
	45 Acenaphthene	152.00	12.017	(1.005)	189966	34.357	171.784
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.381	(1.036)	2982	2.249	11.244(aQ)
	48 Dibenzofuran	168.00	12.381	(1.036)	499677	30.586	152.931
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.117	(1.097)	325012	26.507	132.537
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.738	(0.905)	68479	8.627	43.135(TaQ)
	56 Azobenzene	77.00	13.467	(1.885)	18936	1.223	6.116(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.702	(1.146)	140119	75.988	379.941
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.188	(1.000)	469499	40.000	
	62 Phenanthrene	178.00	15.245	(1.004)	555175	36.464	182.321
	63 Anthracene	178.00	15.352	(1.011)	187219	12.248	61.242
	64 Di-n-butylphthalate	149.00	16.767	(1.104)	12530	0.575	2.877(a)
	65 Fluoranthene	202.00	17.988	(1.184)	68193	4.540	22.700(a)
	66 Benzidine	184.00	18.359	(2.569)	16869	4.902	24.512(a)
	67 Pyrene	202.00	18.495	(0.865)	41173	2.327	11.635(a)
$	68 Terphenyl-d14	244.00	19.017	(0.889)	420898	36.936	184.680
	69 Butylbenzylphthalate	149.00	20.288	(0.949)	179698	17.826	89.132
	70 Benzo(a)anthracene	228.00	21.331	(0.997)	7208	0.520	2.601(aQ)
*	71 Chrysene-d12	240.00	21.388	(1.000)	354503	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.331	(0.997)	7208	0.589	2.947(aQ)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	6973	0.511	2.554(aQ)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

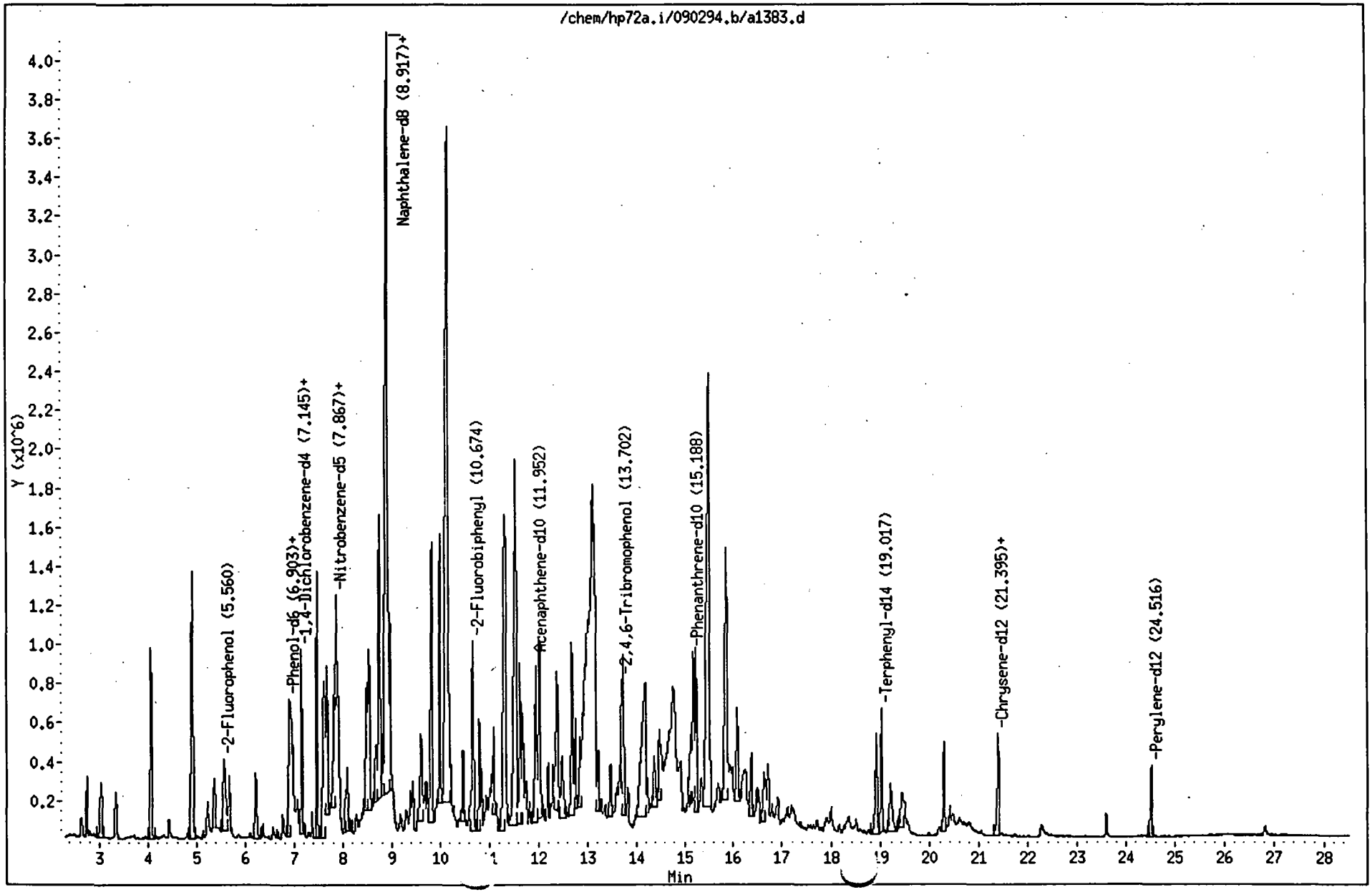
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	269015	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Qualifier signal failed the ratio test.
M - Compound response manually integrated.

0000098

Data File: /chem/hp72a.i/090294.b/a1383.d
Date : 02-SEP-94 17:38
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:45 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		1570	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		6190	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene		1010	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1350	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		4060	2400	792
Fluorene		2530	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000099

Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk **ANALYSIS DATE:** 09/05/94 **METHOD:** 8270
ANALYSIS TIME: 18:45 **PREP REQ** : Y **PREP DATE** : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		8960	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		7460	2400	792
Pyrene		2570	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1457.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 18:45 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-40
Misc Info : PRC/BNA/5:400/S-2/0826-40
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 8
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.731	(0.382)	1325	0.394	31.482(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.960	(0.974)	1412	0.289	23.081(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	125207	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.796	(1.091)	. 740	0.309	24.720(TaQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.888	(1.005)	3174	0.895	71.612(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	418952	40.000	(a)
	29 Naphthalene	128.00	8.881	(1.004)	1309447	111.988	8959.079(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.881	(1.004)	180739	34.373	2749.876(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	207287	27.229	2178.285(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	118527	9.797	783.743(a)
	42 2,6-Dinitrotoluene	165.00	11.945	(1.000)	33040	14.140	1131.170(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	229172	40.000	(a)
	45 Acenaphthene	152.00	12.003	(1.005)	68492	19.648	1571.866(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.374	(1.036)	1606	1.459	116.734(a)
	48 Dibenzofuran	168.00	12.374	(1.036)	241869	23.309	1864.697(a)
	49 2,4-Dinitrotoluene	165.00	12.074	(1.011)	1737	0.553	44.267(Ta)
	50 Fluorene	166.00	13.103	(1.097)	243779	31.631	2530.460(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.410	(0.883)	5252	1.039	83.133(aQ)
	56 Azobenzene	77.00	13.103	(1.834)	3956	0.359	28.749(TaQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	318593	40.000	(a)
	62 Phenanthrene	178.00	15.245	(1.004)	877853	93.193	7455.460(a)
	63 Anthracene	178.00	15.360	(1.012)	723099	77.321	6185.693(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.002	(1.186)	470695	50.782	4062.579(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	341499	32.077	2566.155(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.374	(0.999)	104699	12.624	1009.887(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	237341	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.452	(1.003)	118754	16.902	1352.157(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.968)	67498	7.949	635.959(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.990)	27347	3.382	270.562(Ta)
	78 Benzo(a)pyrene	252.00	24.402	(0.995)	51612	7.031	562.491(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.531	(1.000)	229375	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	25012	3.987	318.964(a)
81 Dibenzo(a,h)anthracene	278.00	26.624	(1.085)	5853	0.891	71.285(a)
82 Benzo(g,h,i)perylene	276.00	27.109	(1.105)	16862	2.646	211.677(a)

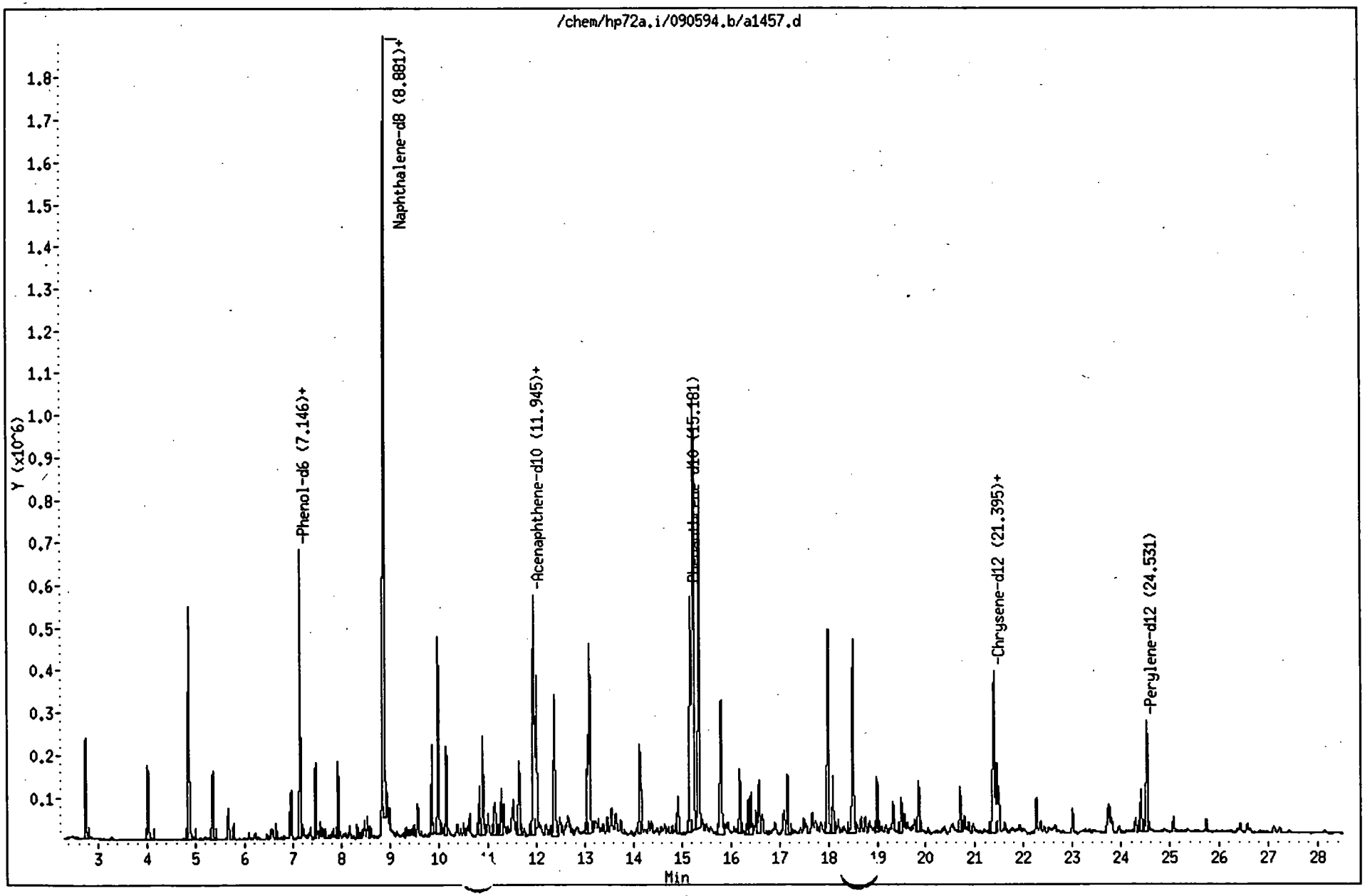
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1457.d
Date : 05-SEP-94 18:45
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000104



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 18:15
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	1.12	200.0	0.05	1	8270
m & p-Cresol	2.86	200.0	0.05	1	8270
Cresols	3.98	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1384.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 18:15 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-40
Misc Info : PRC/TCP/200:1/S-1/0826-40
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.553	(0.357)	12747	4.342	21.710(a)
	2 Pyridine	79.00	2.689	(0.376)	52067	8.319	41.595(aQ)
$	3 2-Fluorophenol	112.00	5.546	(0.776)	224071	46.092	230.459
$	4 Phenol-d6	99.00	6.860	(0.960)	176426	40.093	200.464
	5 Aniline	93.00	6.753	(0.945)	83940	12.812	64.062
	6 Phenol	94.00	6.882	(0.963)	1432938	257.491	1287.453(A)
	7 bis(-2-Chloroethyl)Ether	93.00	7.003	(0.980)	4728	1.070	5.352(aQ)
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	106052	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.589	(1.062)	843052	333.886	1669.430(TAQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.589	(1.062)	843052	223.267	1116.333(A)
	15 Bis(2-chloroisopropyl)ether	45.00	7.867	(1.101)	1908	0.359	1.797(TaQ)
	16 3- & 4-Methylphenol	108.00	7.817	(1.094)	1998230	586.158	2930.790(A)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.887)	179760	42.124	210.622
	20 Nitrobenzene	77.00	8.075	(0.911)	73170	16.156	80.780(Q)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.489	(0.958)	761147	295.912	1479.559(A)
	24 bis(-2-Chloroethoxy)methane	93.00	8.496	(0.959)	52473	11.325	56.623(Q)
	25 Benzoic Acid	122.00	8.710	(1.219)	506349	288.211	1441.053(AQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.860	(1.000)	291392	40.000	(M)
	29 Naphthalene	128.00	8.917	(1.006)	5532771	629.877	3149.387(A)
	30 4-Chloroaniline	127.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.024	(1.131)	4246	1.412	7.058(aQ)
	33 2-Methylnaphthalene	142.00	9.989	(1.127)	331908	60.591	302.956
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	286930	38.923	194.613
	38 2-Chloronaphthalene	162.00	11.282	(0.944)	2896	0.449	2.245(TaQ)
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	274436	26.864	134.320
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	24744	12.736	63.682(TQ)
	3 3-Nitroaniline	138.00	Compound Not Detected.				
	44 Acenaphthene-d10	164.00	11.946	(1.000)	183014	40.000	
	45 Acenaphthene	152.00	12.010	(1.005)	76450	25.648	128.240
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.374	(1.036)	805	0.866	4.330(aQ)
	48 Dibenzofuran	168.00	12.374	(1.036)	234189	26.290	131.452
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.103	(1.097)	137877	21.004	105.019
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.724	(0.904)	44593	9.997	49.984(TaQ)
	56 Azobenzene	77.00	13.467	(1.885)	4020	0.436	2.181(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.689	(1.146)	77858	70.661	353.305
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	0 Pentachlorophenol	266.00	Compound Not Detected.				
	61 Phenanthrene-d10	188.00	15.182	(1.000)	259528	40.000	
	62 Phenanthrene	178.00	15.232	(1.003)	251776	29.751	148.753
	63 Anthracene	178.00	15.346	(1.011)	88082	10.271	51.357
	64 Di-n-butylphthalate	149.00	16.760	(1.104)	7672	0.624	3.122(a)
	65 Fluoranthene	202.00	17.981	(1.184)	33299	3.891	19.455(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.496	(0.865)	19656	1.605	8.026(aQ)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	266098	33.204	166.022
	69 Butylbenzylphthalate	149.00	20.281	(0.948)	10319	1.464	7.319(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	242600	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	7277	0.778	3.888(aQ)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				
*	79 Perylene-d12	264.00	24.510	(1.000)	204715	40.000	
	80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				

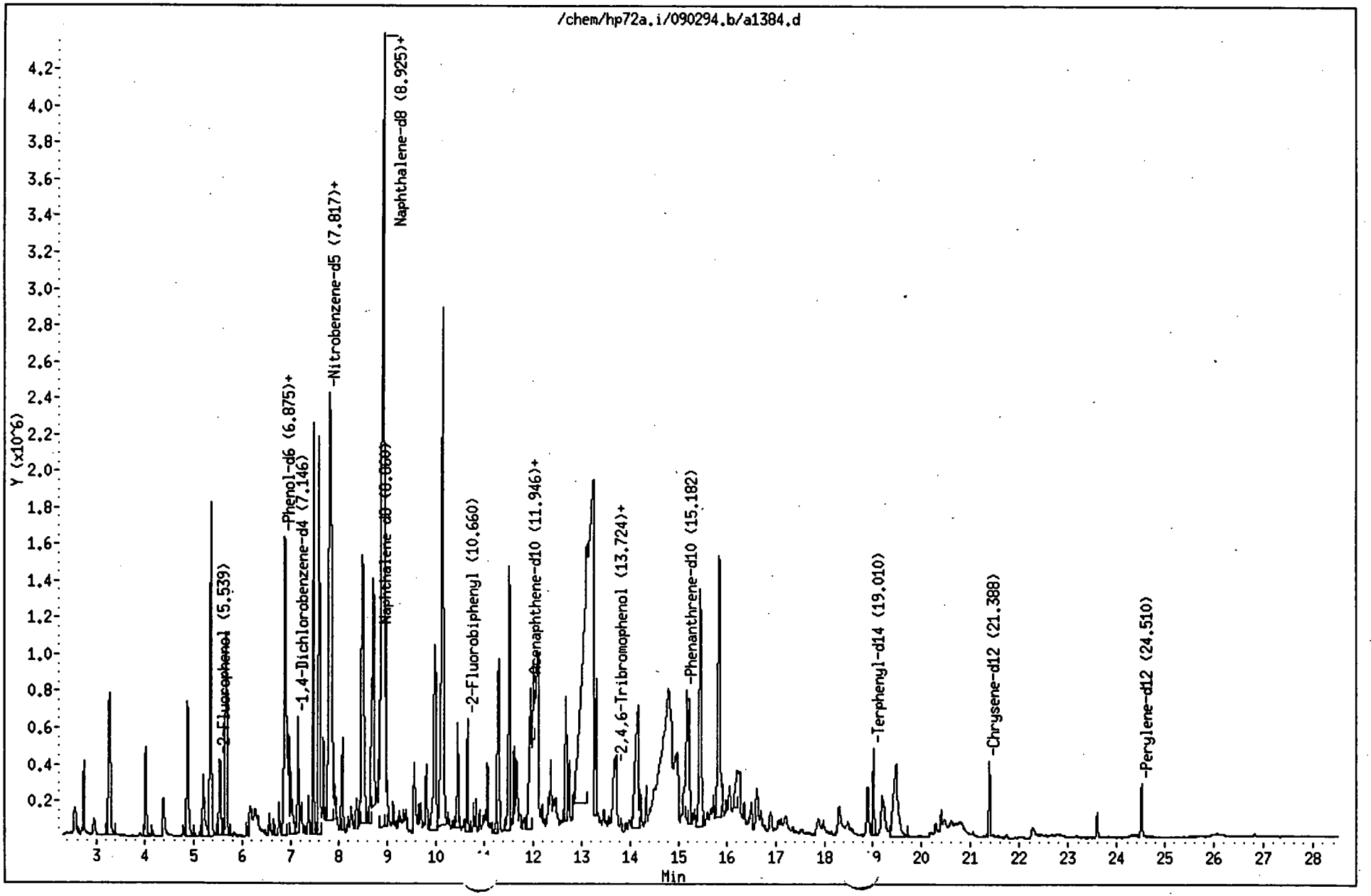
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
(- Compound response manually integrated.

Data File: /chem/hp72a.i/090294.b/a1384.d
Date : 02-SEP-94 18:15
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 19:22 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		3150	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 19:22 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		673	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000111

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1458.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 19:22 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-41
Misc Info : PRC/BNA/5:200/S-2/0826-41
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 9
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.733	(0.383)	1301	0.454	18.140(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.140	(1.000)	106679	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.840	(1.000)	355335	40.000	(a)
	29 Naphthalene	128.00	8.869	(1.003)	15656	1.579	63.147(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.869	(1.003)	1450	0.325	13.005(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.019	(1.133)	7760	1.202	48.073(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	192278	40.000	(a)
	45 Acenaphthene	152.00	11.997	(1.005)	1807	0.618	24.714(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.376	(1.036)	20428	2.346	93.855(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.097	(1.097)	41016	6.343	253.722(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.176	(1.000)	267672	40.000	(a)
	62 Phenanthrene	178.00	15.219	(1.003)	133093	16.817	672.684(a)
	63 Anthracene	178.00	15.354	(1.012)	618146	78.673	3146.915(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.983	(1.185)	75987	9.758	390.306(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.490	(0.865)	54388	6.113	244.537(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.368	(0.999)	15411	2.224	88.942(a)
*	71 Chrysene-d12	240.00	21.383	(1.000)	198333	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.440	(1.003)	33851	5.766	230.621(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.969)	10524	1.517	60.666(a)
	77 Benzo(k)fluoranthene	252.00	23.804	(0.971)	5811	0.879	35.175(a)
	78 Benzo(a)pyrene	252.00	24.390	(0.995)	6230	1.039	41.541(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	187453	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

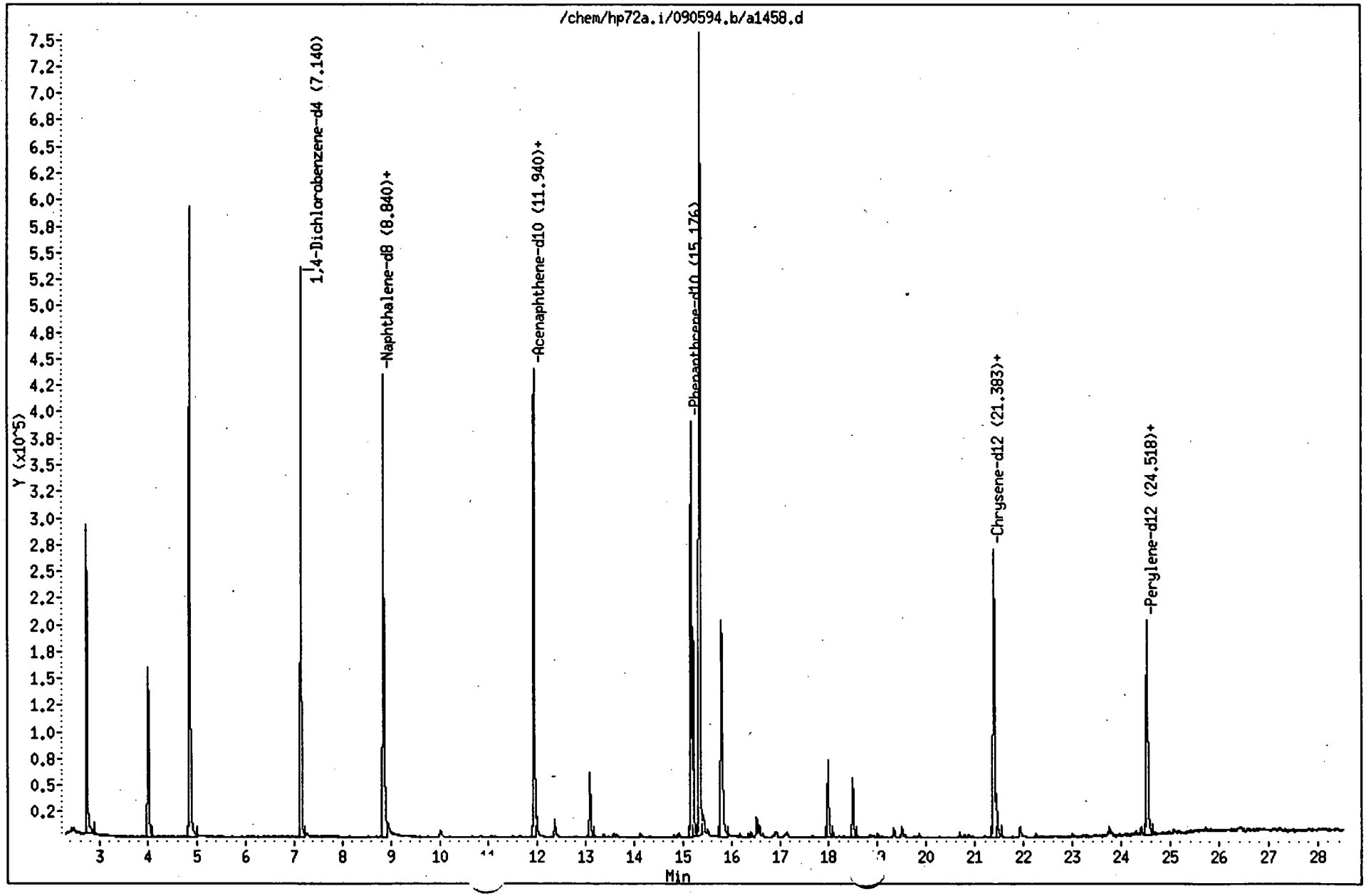
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1458.d
Date : 05-SEP-94 19:22
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000115



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 18:53
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1385.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 18:53 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-41
Misc Info : PRC/TCP/200:1/S-1/0826-41
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 17
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	3.024	(0.423)	44523	9.261	46.305(Ta)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.553	(0.777)	4194	0.450	2.251(aR)
$	4 Phenol-d6	99.00	7.146	(1.000)	2473	0.287	1.433(TaRH)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	205158	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	51374	7.606	38.028(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.889)	368350	40.491	202.456
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	675449	40.000	
	29 Naphthalene	128.00	8.867	(1.003)	84570	4.187	20.933(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.867	(1.003)	5878	0.647	3.237(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.981	(1.129)	6430	0.522	2.608(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.660	(0.893)	577252	35.943	179.715
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	8340	0.381	1.904(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	389432	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	12484	1.996	9.979(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.360	(1.035)	24191	1.309	6.544(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.088	(1.096)	34799	2.509	12.543(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	545995	40.000	
	62 Phenanthrene	178.00	15.217	(1.003)	68769	3.884	19.420(a)
	63 Anthracene	178.00	15.331	(1.010)	33383	1.878	9.390(a)
	64 Di-n-butylphthalate	149.00	16.745	(1.104)	12863	0.508	2.540(a)
	65 Fluoranthene	202.00	17.974	(1.185)	21584	1.236	6.178(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.481	(0.864)	12634	0.616	3.082(aQ)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	483949	36.665	183.323
	69 Butylbenzylphthalate	149.00	20.274	(0.948)	8848	0.758	3.789(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	410625	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	9998	0.632	3.161(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	322506	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

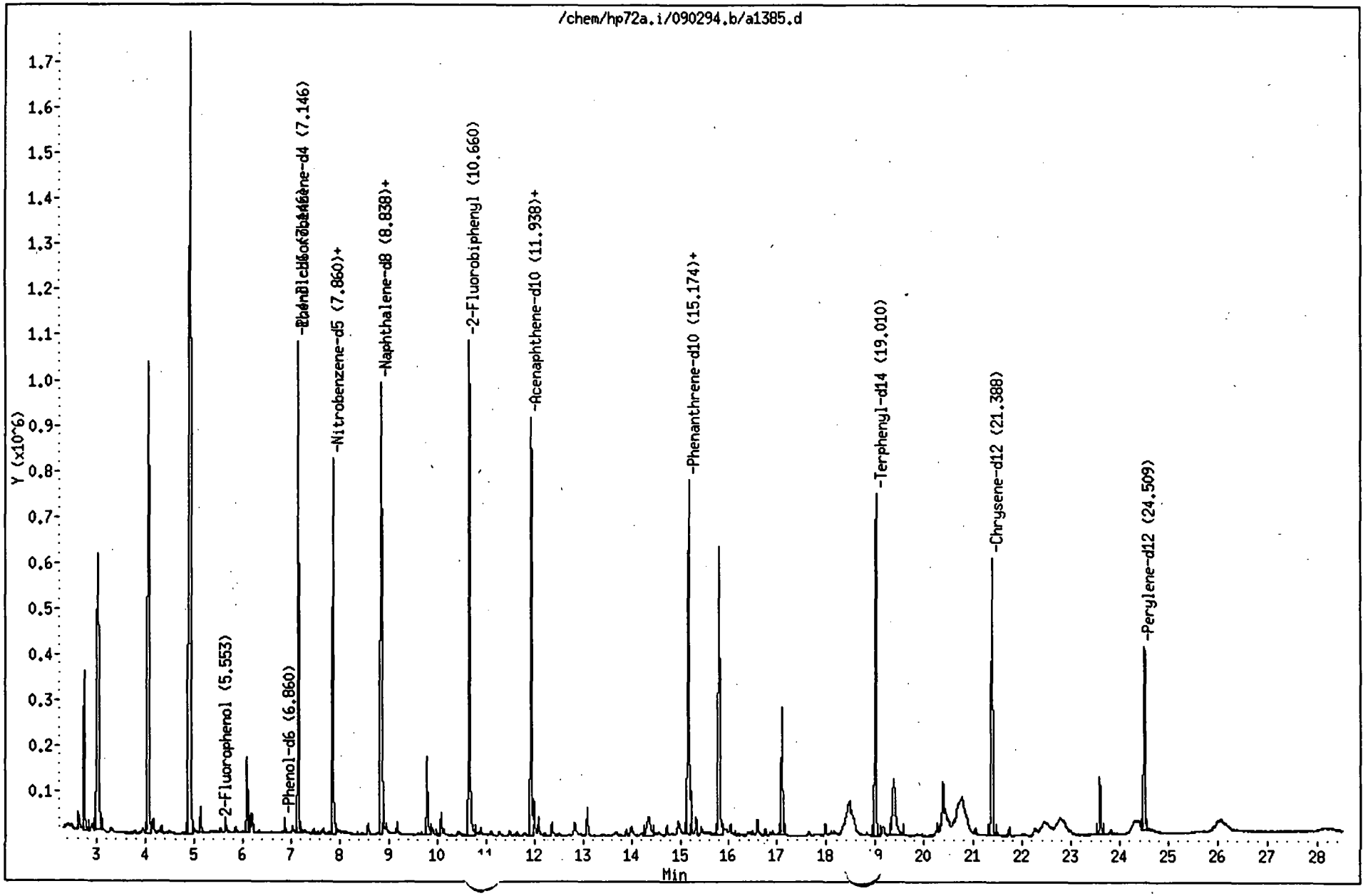
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.
- Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/090294.b/a1385.d
Date : 02-SEP-94 18:53
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000120



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1496.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 19:46 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-41TRE
Misc Info : PRC/TCP/200:1/S-1/0826-41TRE
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 7
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.362)	4484	1.980	9.898(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.453	(0.769)	109571	31.137	155.685
$	4 Phenol-d6	99.00	6.774	(0.956)	95253	27.590	137.948
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.088	(1.000)	79960	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.510	(1.059)	3611	2.059	10.297(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.510	(1.059)	3611	1.320	6.600(a)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.717	(1.089)	2541	1.020	5.098(a)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.788	(0.888)	105001	28.777	143.884
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.767	(1.000)	248627	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.574	(0.892)	136170	26.725	133.627
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.853	(1.000)	132371	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.545	(1.143)	38741	50.820	254.100
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	194784	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.910	(2.668)	1988	1.310	6.552(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.910	(0.889)	125959	29.917	149.587
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.281	(1.000)	162921	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

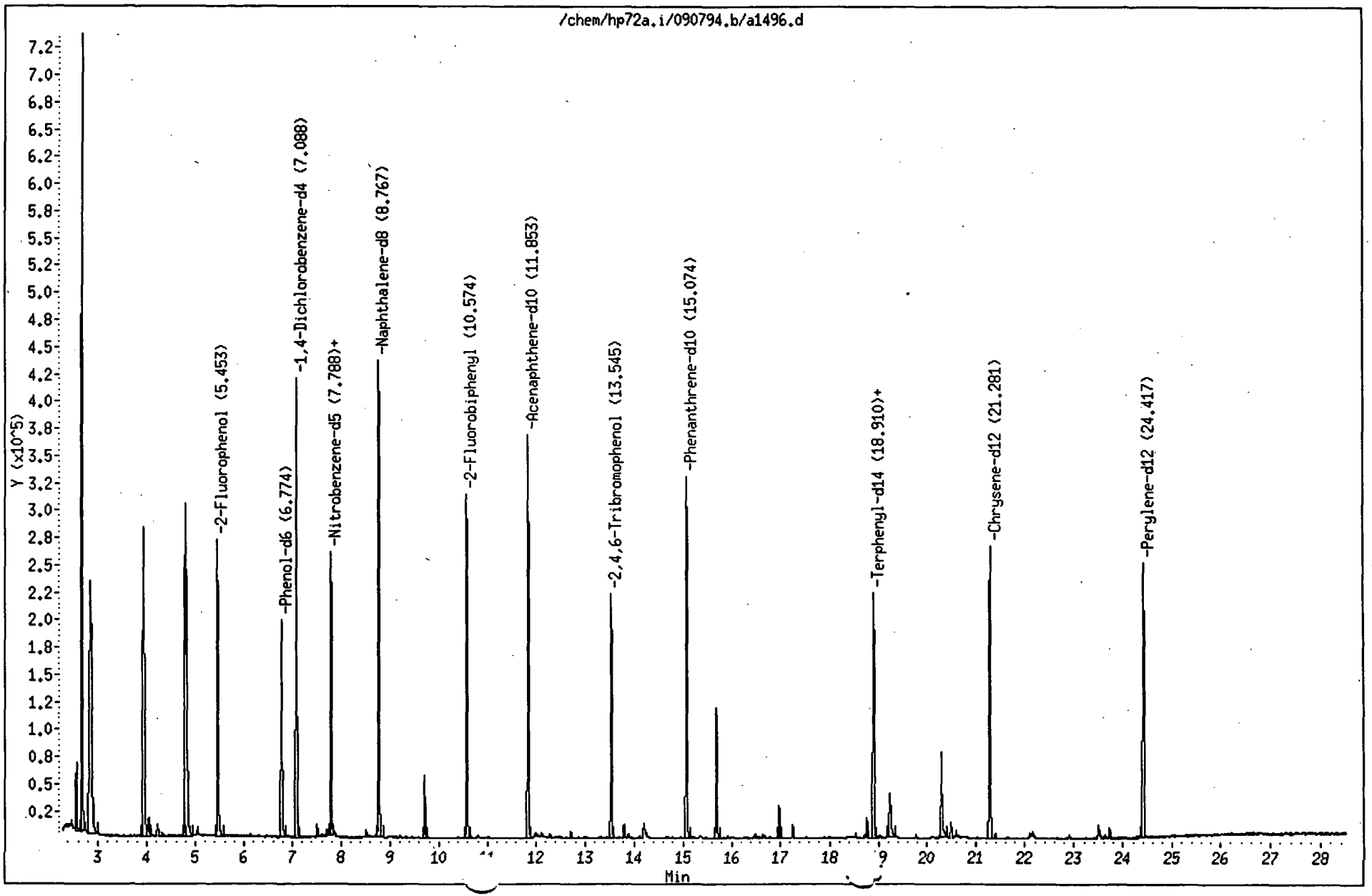
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.417	(1.000)	191714	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

0000124

Data File: /chem/hp72a.i/090794.b/a1496.d
Date : 07-SEP-94 19:46
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 20:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		218	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene	<	DL	120	39.6
Benzo(a)pyrene	<	DL	120	39.6
Benzo(b)fluoranthene	<	DL	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		41.4	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		84.0	120	39.6
Fluorene	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000125

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 20:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	120	39.6
Hexachlorobutadiene	<	DL	120	39.6
Hexachlorocyclopentadiene	<	DL	120	39.6
Hexachloroethane	<	DL	120	39.6
Indeno(1,2,3-c,d)pyrene	<	DL	120	39.6
Isophorone	<	DL	120	39.6
Naphthalene	<	DL	120	39.6
Nitrobenzene	<	DL	120	39.6
N-Nitrosodimethylamine	<	DL	120	39.6
N-Nitrosodi-n-propylamine	<	DL	120	39.6
N-Nitrosodiphenylamine **	<	DL	120	39.6
Phenanthrene		65.6	120	39.6
Pyrene		64.5	120	39.6
1,2,4-Trichlorobenzene	<	DL	120	39.6
2-Chlorophenol	<	DL	120	39.6
2,4-Dichlorophenol	<	DL	120	39.6
2,4-Dimethylphenol	<	DL	120	39.6
4,6-Dinitro-o-cresol	<	DL	120	198
2,4-Dinitrophenol	<	DL	120	198
2-Nitrophenol	<	DL	120	39.6
4-Nitrophenol	<	DL	120	198
p-Chloro-m-cresol	<	DL	120	39.6
Pentachlorophenol	<	DL	120	198
Phenol	<	DL	120	39.6
2,4,6-Trichlorophenol	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000126

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1459.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 19:59 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-48
Misc Info : PRC/BNA/5:200/S-2/0826-48
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 10
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
	1 n-Nitrosodimethylamine	42.00	2.738	(0.383)	1427	0.441	17.628	(a)
	2 Pyridine	79.00	Compound Not Detected.					
$	3 2-Fluorophenol	112.00	Compound Not Detected.					
$	4 Phenol-d6	99.00	Compound Not Detected.					
	5 Aniline	93.00	Compound Not Detected.					
	6 Phenol	94.00	Compound Not Detected.					
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.					
	8 2-Chlorophenol	128.00	Compound Not Detected.					
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	120409	40.000		(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	12 Benzyl alcohol	108.00	Compound Not Detected.					
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	14 2-Methylphenol	108.00	Compound Not Detected.					
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.					
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.					
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.					
	18 Hexachloroethane	117.00	Compound Not Detected.					
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.					
	20 Nitrobenzene	77.00	Compound Not Detected.					
	21 Isophorone	82.00	Compound Not Detected.					
	22 2-Nitrophenol	139.00	Compound Not Detected.					
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.					
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.					
	25 Benzoic Acid	122.00	Compound Not Detected.					
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.					
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
*	28 Naphthalene-d8	136.00	8.838	(1.000)	402618	40.000		(a)
	29 Naphthalene	128.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	219331	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.109	(1.098)	2852	0.387	15.466(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	314651	40.000	(a)
	62 Phenanthrene	178.00	15.223	(1.003)	15134	1.627	65.070(a)
	63 Anthracene	178.00	15.337	(1.011)	53881	5.834	233.348(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.987	(1.185)	18792	2.053	82.113(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.494	(0.865)	15504	1.527	61.063(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.437	(1.002)	7484	0.946	37.836(a)
*	71 Chrysene-d12	240.00	21.387	(1.000)	226415	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.437	(1.002)	7484	1.117	44.663(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.744	(0.968)	5580	0.680	27.206(a)
	77 Benzo(k)fluoranthene	252.00	23.794	(0.970)	2902	0.371	14.858(a)
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

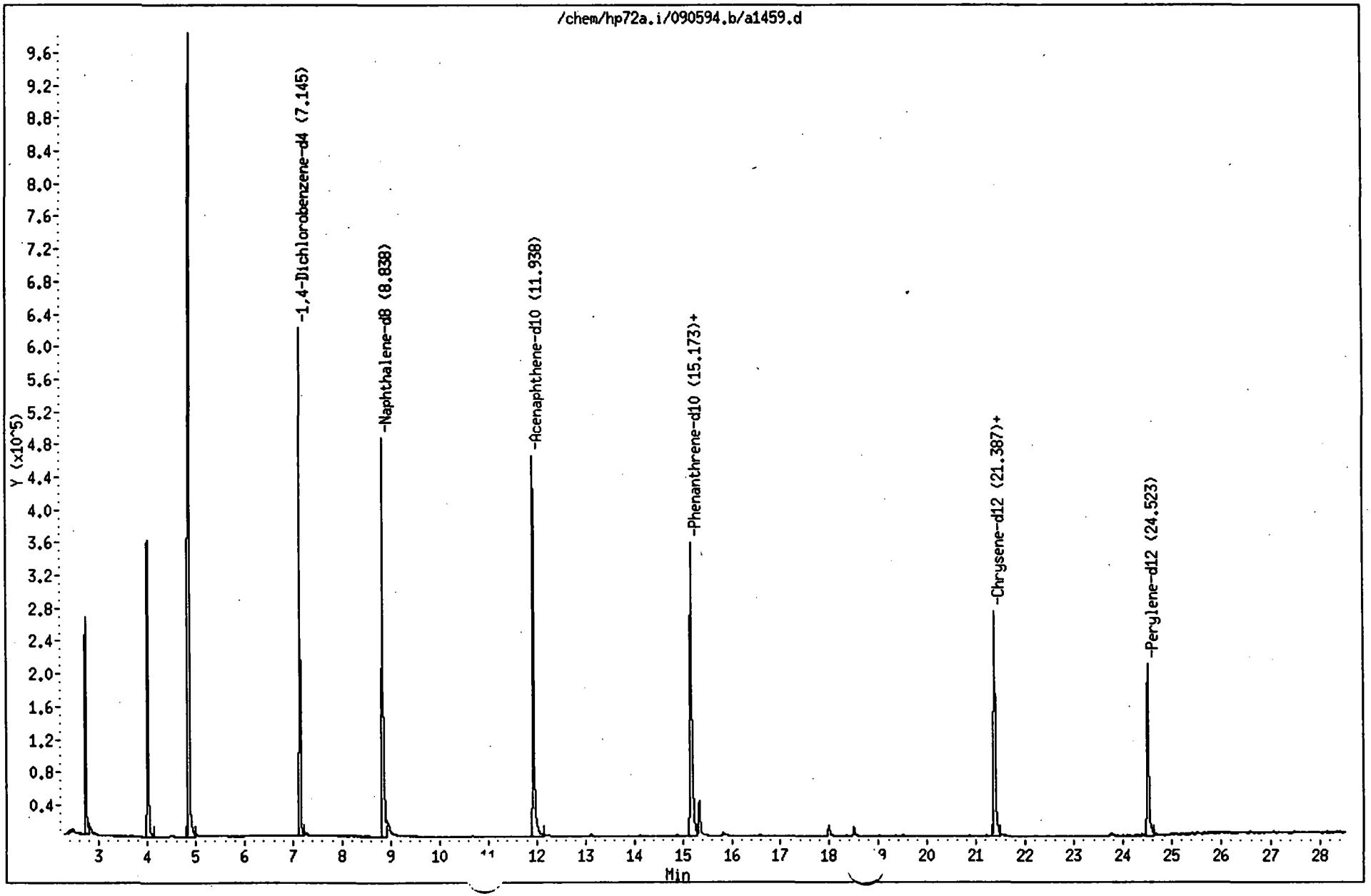
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.523	(1.000)	221627	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

0000130

Data File: /chem/hp72a.i/090594.b/a1459.d
Date : 05-SEP-94 19:59
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1497.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 20:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-2/0826-48
Misc Info : PRC/BNA/5:20/S-2/0826-48
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 8
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.466	(0.348)	1720	1.011	4.045(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.451	(0.770)	13241	5.010	20.041(a)
$ 4	Phenol-d6	99.00	6.773	(0.957)	15871	6.121	24.484(a)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.080	(1.000)	60050	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	7.787	(0.888)	7856	2.919	11.677(a)
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.765	(1.000)	183363	40.000	(a)
29	Naphthalene	128.00	8.794	(1.003)	9048	1.758	7.033(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.794	(1.003)	1058	0.655	2.622(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.901	(1.130)	3209	1.007	4.028(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.572	(0.893)	11003	3.120	12.480(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.558	(0.976)	5526	1.170	4.681(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.844	(1.000)	91619	40.000	(a)
	45 Acenaphthene	152.00	11.908	(1.005)	843	0.606	2.423(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.272	(1.036)	7151	1.726	6.902(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	12.994	(1.097)	15547	5.049	20.197(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.544	(1.144)	2079	3.940	15.761(aQ)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.072	(1.000)	128671	40.000	(a)
	62 Phenanthrene	178.00	15.122	(1.003)	63276	16.412	65.649(a)
	63 Anthracene	178.00	15.244	(1.011)	207451	54.594	218.377(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.879	(1.186)	81313	20.990	83.958(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.387	(0.864)	66004	16.136	64.546(a)
$	68 Terphenyl-d14	244.00	18.901	(0.888)	10475	3.883	15.532(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.251	(0.999)	23357	6.688	26.753(a)
*	71 Chrysene-d12	240.00	21.279	(1.000)	104393	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.329	(1.002)	32084	10.349	41.397(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.636	(0.968)	32299	7.429	29.714(a)
	77 Benzo(k)fluoranthene	252.00	23.844	(0.977)	4086	0.957	3.830(a)
	78 Benzo(a)pyrene	252.00	24.279	(0.995)	21072	5.235	20.941(a)

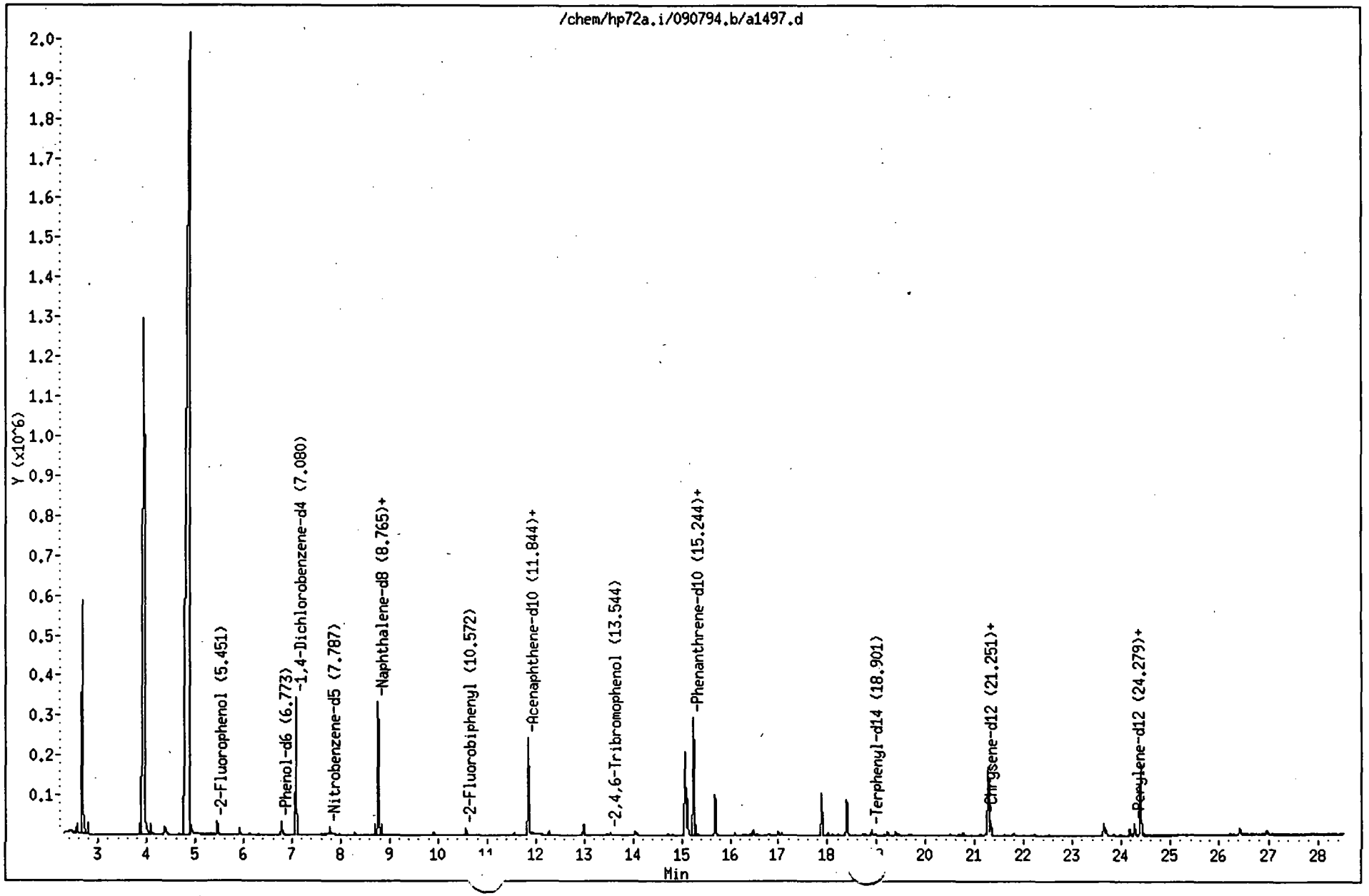
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.408	(1.000)	126882	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.422	(1.083)	15035	3.876	15.504(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	26.951	(1.104)	10376	2.626	10.504(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

0000134

Data File: /chem/hp72a.i/090794.b/a1497.d
Date : 07-SEP-94 20:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk

ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 20:39

PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1485.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 20:39 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-48T
Misc Info : PRC/TCP/200:1/S-1/0826-48T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	1428	0.403	2.016(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.546	(0.775)	81114	15.316	76.581(R)
$	4 Phenol-d6	99.00	6.875	(0.961)	74197	14.780	73.898
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	1 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	121276	40.000	
	1 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	232358	38.565	192.826
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	411136	40.000	
	29 Naphthalene	128.00	8.882	(1.003)	77261	6.864	34.318(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.882	(1.003)	10069	2.168	10.838(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	4486	0.608	3.042(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.675	(0.892)	297095	35.510	177.550
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.018	(1.005)	4031	0.353	1.765(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.960	(1.000)	222032	40.000	
	45 Acenaphthene	152.00	12.018	(1.005)	4031	1.205	6.026(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.389	(1.036)	8680	0.873	4.366(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.110	(1.096)	14849	2.004	10.020(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.675	(1.143)	55192	42.675	213.376
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.196	(1.000)	314639	40.000	
	62 Phenanthrene	178.00	15.239	(1.003)	33344	3.673	18.364(a)
	63 Anthracene	178.00	15.353	(1.010)	22847	2.477	12.385(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.003	(1.185)	14263	1.577	7.887(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.517	(0.865)	8883	0.845	4.224(a)
$	68 Terphenyl-d14	244.00	19.039	(0.889)	300007	42.740	213.698
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.417	(1.000)	239585	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.753	(1.016)	3583	0.438	2.189(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.560	(1.000)	238972	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

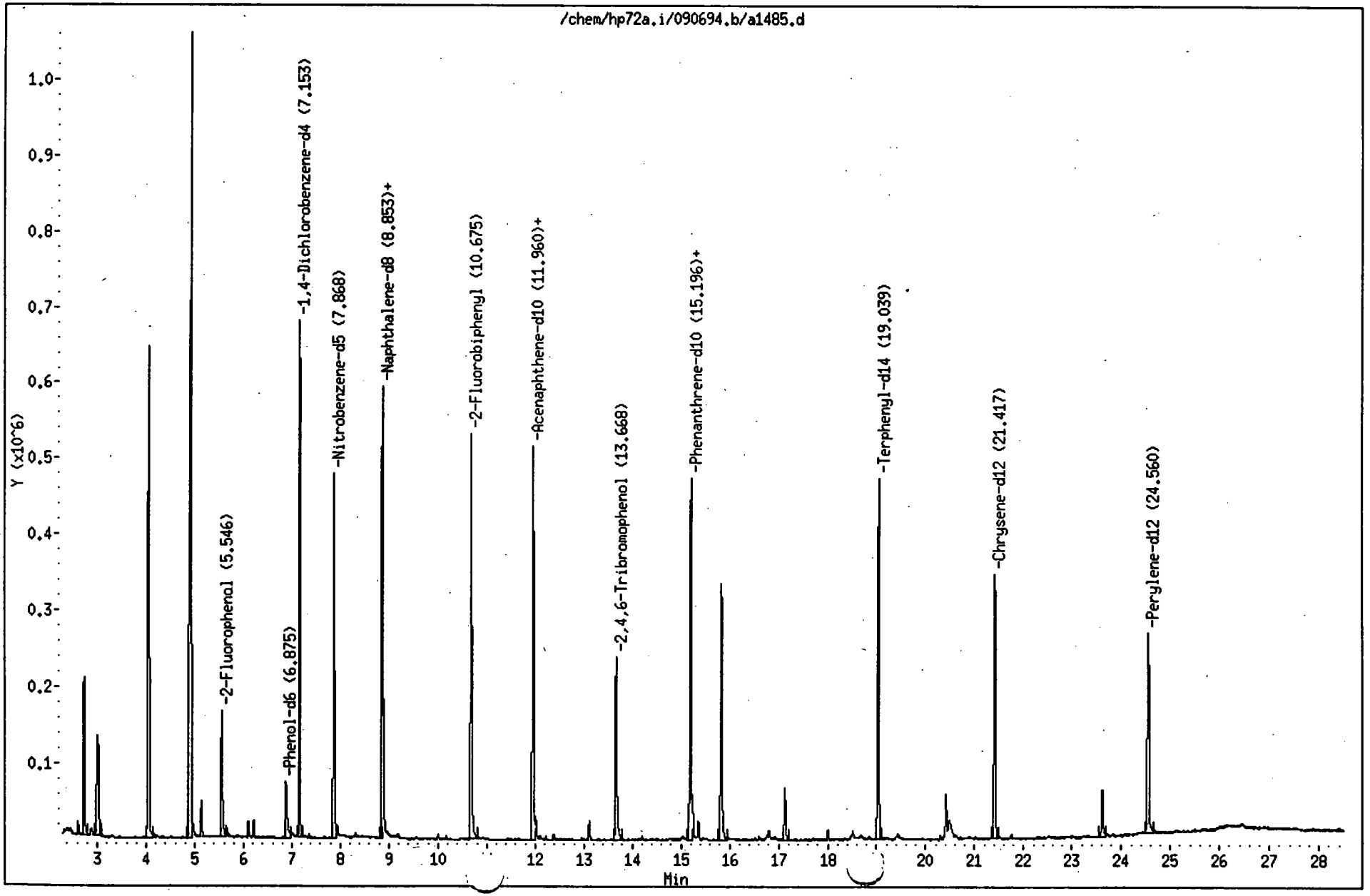
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
* - Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1485.d
Date : 06-SEP-94 20:39
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000139



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 21:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		424	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene		68.9	120	39.6
Benzo(a)pyrene		49.0	120	39.6
Benzo(b)fluoranthene		68.9	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		106	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		217	120	39.6
Fluorene		46.3	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 21:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	120	39.6
Hexachlorobutadiene	<	DL	120	39.6
Hexachlorocyclopentadiene	<	DL	120	39.6
Hexachloroethane	<	DL	120	39.6
Indeno(1,2,3-c,d)pyrene	<	DL	120	39.6
Isophorone	<	DL	120	39.6
Naphthalene	<	DL	120	39.6
Nitrobenzene	<	DL	120	39.6
N-Nitrosodimethylamine	<	DL	120	39.6
N-Nitrosodi-n-propylamine	<	DL	120	39.6
N-Nitrosodiphenylamine **	<	DL	120	39.6
Phenanthrene		162	120	39.6
Pyrene		154	120	39.6
1,2,4-Trichlorobenzene	<	DL	120	39.6
2-Chlorophenol	<	DL	120	39.6
2,4-Dichlorophenol	<	DL	120	39.6
2,4-Dimethylphenol	<	DL	120	39.6
4,6-Dinitro-o-cresol	<	DL	120	198
2,4-Dinitrophenol	<	DL	120	198
2-Nitrophenol	<	DL	120	39.6
4-Nitrophenol	<	DL	120	198
p-Chloro-m-cresol	<	DL	120	39.6
Pentachlorophenol	<	DL	120	198
Phenol	<	DL	120	39.6
2,4,6-Trichlorophenol	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1460.d
Lab. Id. :
Inj Date : 05-SEP-94 20:37
Operator :
Smp Info : PRC/BNA/5:200/S-2/0826-49
Misc Info : PRC/BNA/5:200/S-2/0826-49
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43
Als bottle: 11
Dil Factor: 1200.000
Integrator: HP RTE
Sample Matrix: SOIL

Quant Type: ISTD
Autotune Date: {
Inst ID: hp72a.i

Cal File: a1451.d

Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1599	0.544	21.769	(a)
	2 Pyridine	79.00	Compound Not Detected.					
$	3 2-Fluorophenol	112.00	Compound Not Detected.					
$	4 Phenol-d6	99.00	Compound Not Detected.					
	5 Aniline	93.00	Compound Not Detected.					
	6 Phenol	94.00	Compound Not Detected.					
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.					
	8 2-Chlorophenol	128.00	Compound Not Detected.					
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
	10 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	109256	40.000		(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	12 Benzyl alcohol	108.00	Compound Not Detected.					
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	14 2-Methylphenol	108.00	Compound Not Detected.					
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.					
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.					
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.					
	18 Hexachloroethane	117.00	Compound Not Detected.					
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.					
	20 Nitrobenzene	77.00	Compound Not Detected.					
	21 Isophorone	82.00	Compound Not Detected.					
	22 2-Nitrophenol	139.00	Compound Not Detected.					
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.					
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.					
	25 Benzoic Acid	122.00	Compound Not Detected.					
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.					
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
*	28 Naphthalene-d8	136.00	8.839	(1.000)	366540	40.000		(a)
	29 Naphthalene	128.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	198798	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.110	(1.098)	6169	0.923	36.909(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	275467	40.000	(a)
	62 Phenanthrene	178.00	15.217	(1.003)	33645	4.131	165.238(a)
	63 Anthracene	178.00	15.338	(1.011)	92272	11.411	456.454(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	44119	5.505	220.204(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.865)	33280	3.748	149.903(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.360	(0.999)	10883	1.573	62.924(a)
*	71 Chrysene-d12	240.00	21.381	(1.000)	197974	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.438	(1.003)	13534	2.309	92.372(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	11520	1.584	63.345(a)
	77 Benzo(k)fluoranthene	252.00	24.288	(0.991)	3458	0.499	19.967(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.995)	7001	1.113	44.530(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	196514	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

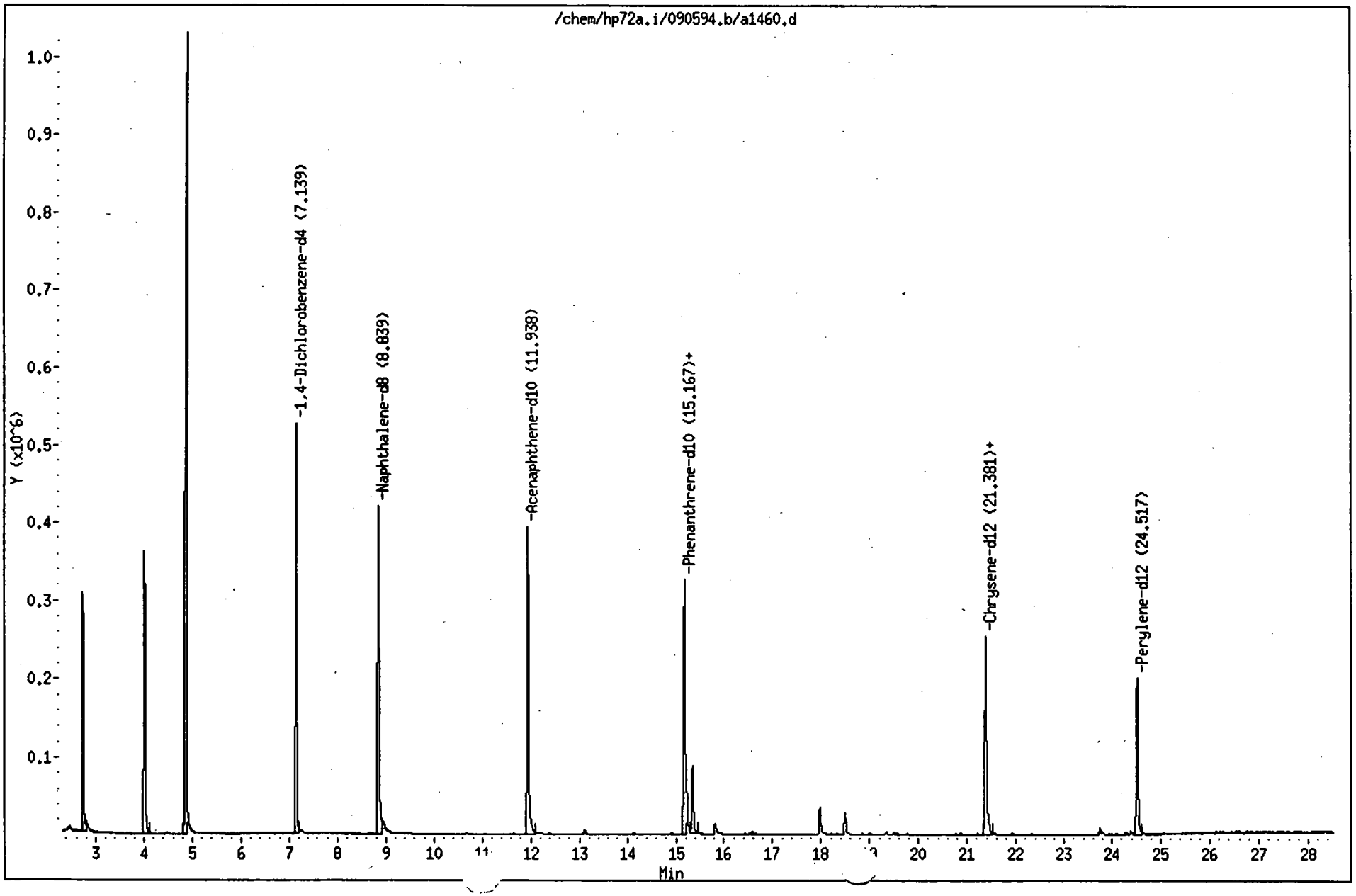
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/hp72a.i/090594.b/a1460.d
Date : 05-SEP-94 20:37
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000145



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1498.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 21:00 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-2/0826-49
Misc Info : PRC/BNA/5:20/S-2/0826-49
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 9
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.467	(0.348)	829	0.562	2.248(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.452	(0.770)	12292	5.363	21.453(a)
$	4 Phenol-d6	99.00	6.774	(0.957)	15146	6.736	26.943(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	52077	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.788	(0.888)	7677	3.127	12.507(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.766	(1.000)	167298	40.000	(a)
	29 Naphthalene	128.00	8.795	(1.003)	15035	3.202	12.809(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.795	(1.003)	1636	1.111	4.443(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.902	(1.130)	5082	1.748	6.992(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.573	(0.893)	11550	3.398	13.591(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.552	(0.975)	13282	2.918	11.673(a)
	? 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.845	(1.000)	88313	40.000	(a)
	45 Acenaphthene	152.00	11.909	(1.005)	2188	1.631	6.525(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.273	(1.036)	15950	3.993	15.971(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	12.995	(1.097)	34321	11.564	46.255(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.538	(1.143)	1679	3.301	13.205(aQ)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	? Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.073	(1.000)	127348	40.000	(a)
	62 Phenanthrene	178.00	15.123	(1.003)	154654	40.530	162.122(a)
	63 Anthracene	178.00	15.252	(1.012)	398915	106.072	424.288(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.888	(1.187)	208370	54.346	217.384(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.395	(0.864)	166009	38.417	153.668(a)
$	68 Terphenyl-d14	244.00	18.902	(0.888)	10564	3.707	14.827(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	63557	17.227	68.908(a)
*	71 Chrysene-d12	240.00	21.280	(1.000)	110285	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.337	(1.003)	87086	26.591	106.363(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.637	(0.968)	79716	17.224	68.896(a)
	77 Benzo(k)fluoranthene	252.00	23.695	(0.971)	34129	7.513	30.051(aH)
	78 Benzo(a)pyrene	252.00	24.287	(0.995)	52505	12.255	49.019(aH)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.409	(1.000)	135060	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.430	(1.083)	36973	8.955	35.819(a)
81 Dibenzo(a,h)anthracene	278.00	26.487	(1.085)	7324	1.858	7.432(a)
82 Benzo(g,h,i)perylene	276.00	26.952	(1.104)	18904	4.495	17.978(a)

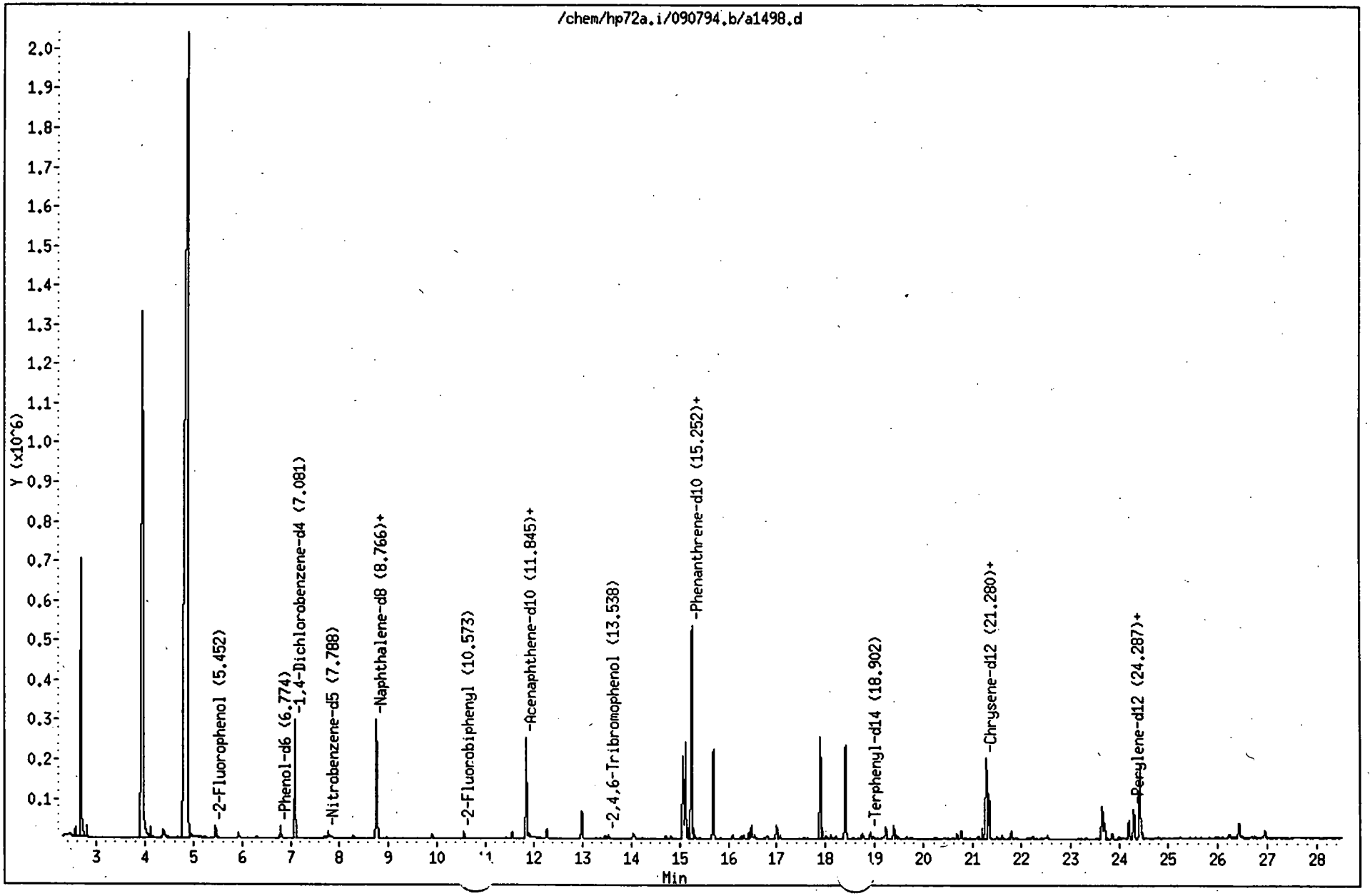
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/090794.b/a1498.d
Date : 07-SEP-94 21:00
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000149



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 21:16
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1486.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 21:16 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-49T
Misc Info : PRC/TCP/200:1/S-1/0826-49T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 17
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	867	0.231	1.156(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.560	(0.777)	15384	2.744	13.720(aR)
$	4 Phenol-d6	99.00	6.888	(0.963)	13114	2.468	12.338(aR)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.152	(1.000)	128385	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	227191	35.070	175.351
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.852	(1.000)	442055	40.000	
	29 Naphthalene	128.00	8.881	(1.003)	17883	1.478	7.388(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.881	(1.003)	1398	0.280	1.400(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.674	(0.892)	328396	37.163	185.817
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.959	(1.000)	234506	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.666	(1.143)	32439	23.748	118.740
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.195	(1.000)	323518	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.031	(0.889)	300470	45.299	226.494
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.416	(1.000)	226398	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.016)	4110	0.531	2.657(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.552	(1.000)	212860	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

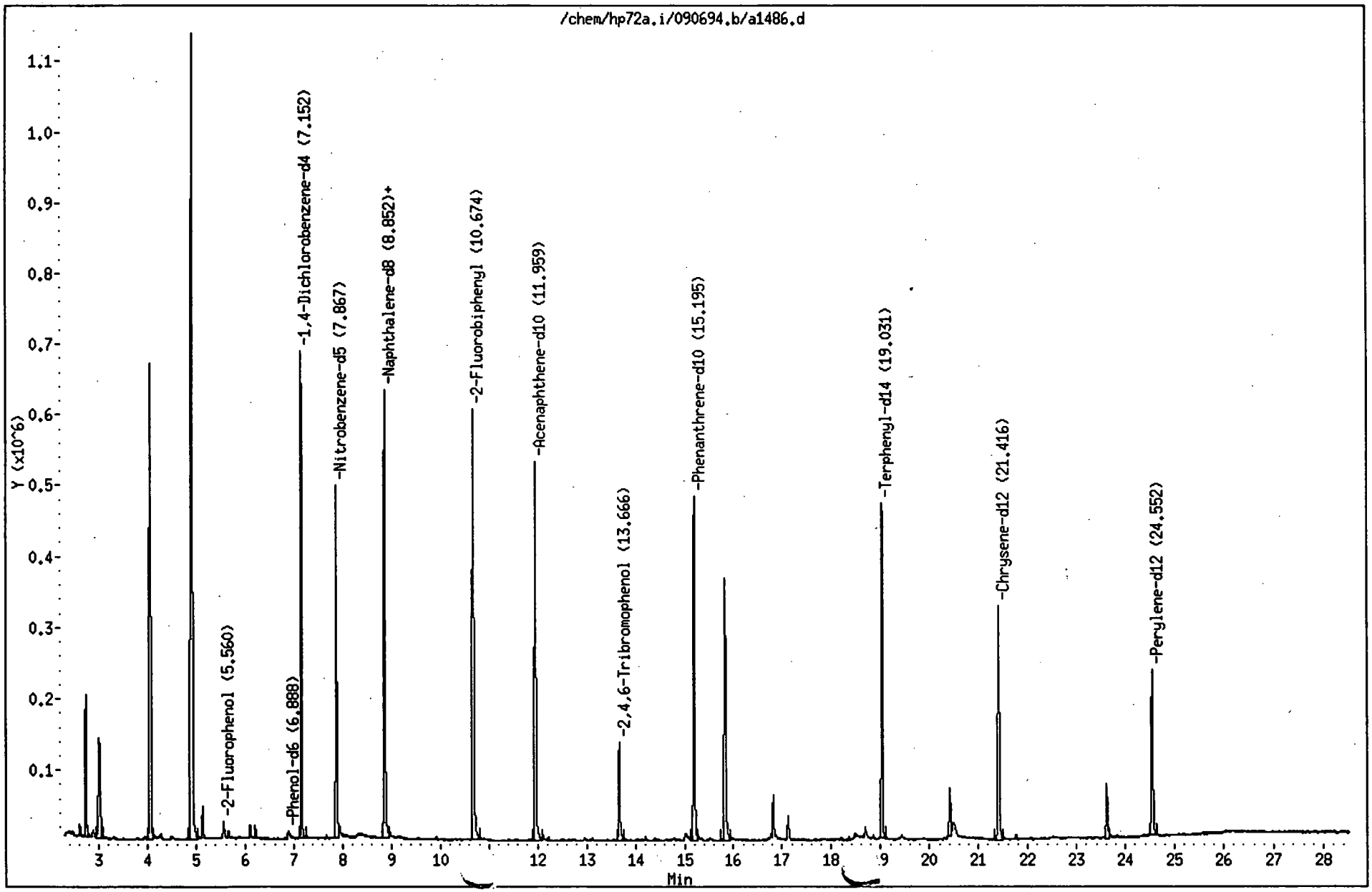
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1486.d
Date : 06-SEP-94 21:16
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000154



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1494.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 18:31 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-49T
Misc Info : PRC/TCP/200:1/S-1/0826-49T
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 5
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.362)	6220	3.476	17.382(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.453	(0.769)	136908	49.253	246.265
$	4 Phenol-d6	99.00	6.774	(0.956)	125162	45.895	229.474
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.089	(1.000)	63161	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.789	(0.888)	125726	41.240	206.198
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.767	(1.000)	207734	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.574	(0.893)	164668	38.662	193.312
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.846	(1.000)	110651	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.546	(1.143)	49920	78.339	391.693
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	167531	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.910	(2.668)	2869	2.394	11.971(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.910	(0.889)	172064	46.072	230.359
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.281	(1.000)	144520	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

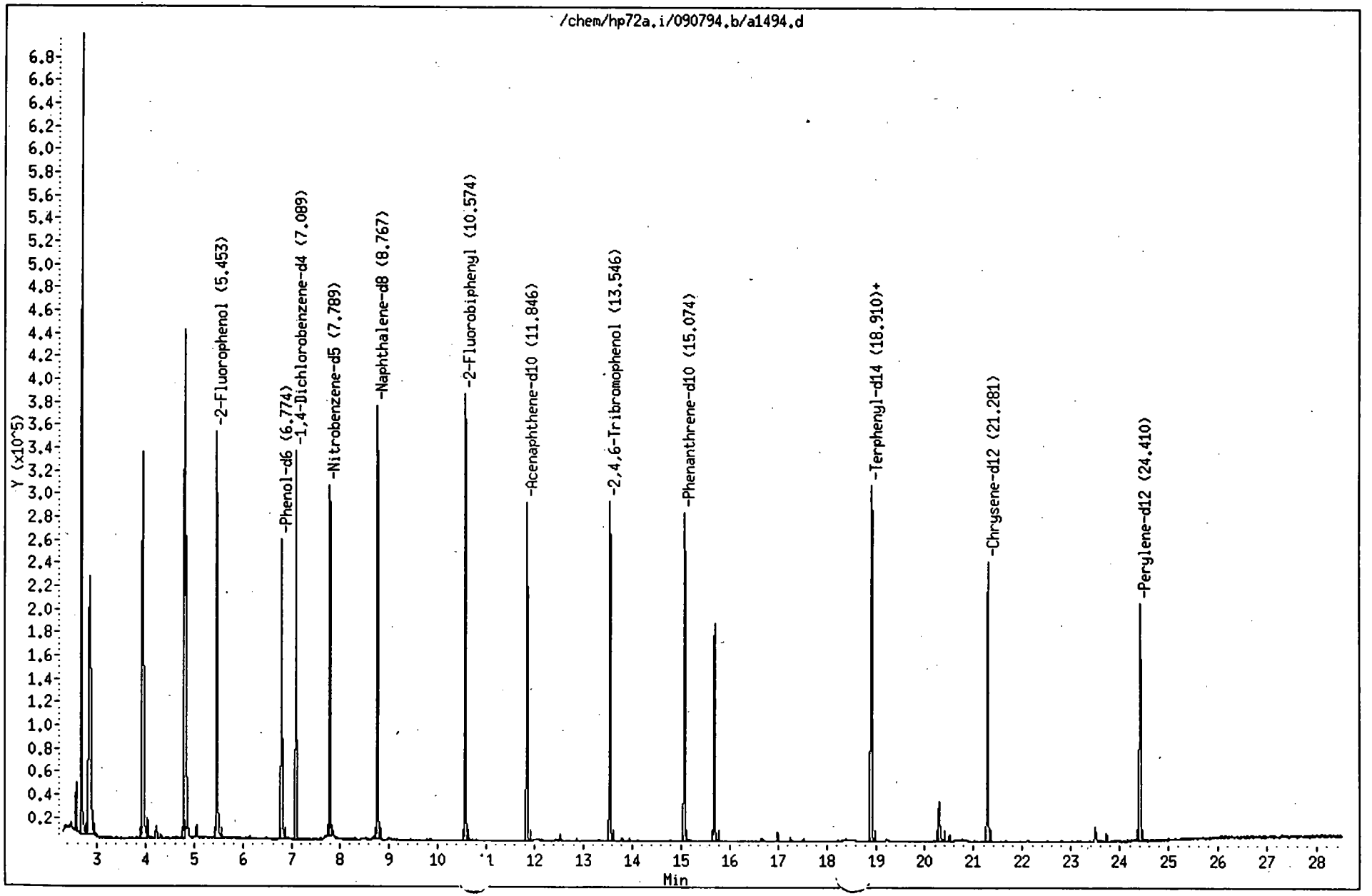
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.410	(1.000)	158283	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090794.b/a1494.d
Date : 07-SEP-94 18:31
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000158



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:08 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1270	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000159

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk **ANALYSIS DATE:** 09/03/94 **METHOD:** 8270
ANALYSIS TIME: 15:08 **PREP REQ** : Y **PREP DATE** : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		435	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1461.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 21:14 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50
Misc Info : PRC/BNA/5:200/S-2/0826-50
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 12
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1449	0.430	17.192(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.525	(0.774)	1605	0.300	11.988(aQ)
$	4 Phenol-d6	99.00	7.139	(1.000)	1723	0.352	14.065(TaQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	125364	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	413530	40.000	(a)
	29 Naphthalene	128.00	8.868	(1.003)	22584	1.957	78.271(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
30	4-Chloroaniline	127.00	8.868	(1.003)	1547	0.298	11.923(aQ)
31	Hexachlorobutadiene	225.00	Compound Not Detected.				
32	4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
33	2-Methylnaphthalene	142.00	10.004	(1.132)	7107	0.946	37.832(aQ)
34	Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
35	2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
36	2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$ 37	2-Fluorobiphenyl	172.00	Compound Not Detected.				
38	2-Chloronaphthalene	162.00	Compound Not Detected.				
39	2-Nitroaniline	138.00	Compound Not Detected.				
40	Dimethylphthalate	163.00	Compound Not Detected.				
41	Acenaphthylene	152.00	11.996	(1.005)	3441	0.281	11.241(Ta)
2	2,6-Dinitrotoluene	165.00	Compound Not Detected.				
3	3-Nitroaniline	138.00	Compound Not Detected.				
* 44	Acenaphthene-d10	164.00	11.939	(1.000)	231941	40.000	(a)
45	Acenaphthene	152.00	11.996	(1.005)	3441	0.975	39.013(a)
46	2,4-Dinitrophenol	184.00	Compound Not Detected.				
47	4-Nitrophenol	109.00	Compound Not Detected.				
48	Dibenzofuran	168.00	12.368	(1.036)	16195	1.542	61.683(a)
49	2,4-Dinitrotoluene	165.00	Compound Not Detected.				
50	Fluorene	166.00	13.096	(1.097)	28875	3.702	148.074(a)
51	Diethylphthalate	149.00	Compound Not Detected.				
52	4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
53	4-Nitroaniline	138.00	Compound Not Detected.				
54	4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
55	N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
56	Azobenzene	77.00	Compound Not Detected.				
$ 57	2,4,6-Tribromophenol	330.00	Compound Not Detected.				
58	4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
9	Hexachlorobenzene	284.00	Compound Not Detected.				
60	Pentachlorophenol	266.00	Compound Not Detected.				
* 61	Phenanthrene-d10	188.00	15.168	(1.000)	316586	40.000	(a)
62	Phenanthrene	178.00	15.218	(1.003)	101781	10.874	434.945(a)
63	Anthracene	178.00	15.339	(1.011)	294399	31.680	1267.189(a)
64	Di-n-butylphthalate	149.00	Compound Not Detected.				
65	Fluoranthene	202.00	17.982	(1.186)	68743	7.464	298.542(a)
66	Benzidine	184.00	Compound Not Detected.				
67	Pyrene	202.00	18.489	(0.865)	55231	5.517	220.683(a)
$ 68	Terphenyl-d14	244.00	Compound Not Detected.				
69	Butylbenzylphthalate	149.00	Compound Not Detected.				
70	Benzo(a)anthracene	228.00	21.360	(0.999)	14171	1.817	72.682(a)
* 71	Chrysene-d12	240.00	21.382	(1.000)	223177	40.000	(a)
72	3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
73	Chrysene	228.00	21.432	(1.002)	25590	3.873	154.932(a)
74	bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
75	Di-n-octylphthalate	149.00	Compound Not Detected.				
76	Benzo(b)fluoranthene	252.00	23.746	(0.969)	14406	1.835	73.406(a)
77	Benzo(k)fluoranthene	252.00	24.289	(0.991)	4833	0.646	25.860(Ta)
78	Benzo(a)pyrene	252.00	24.396	(0.995)	8129	1.198	47.913(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	212063	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

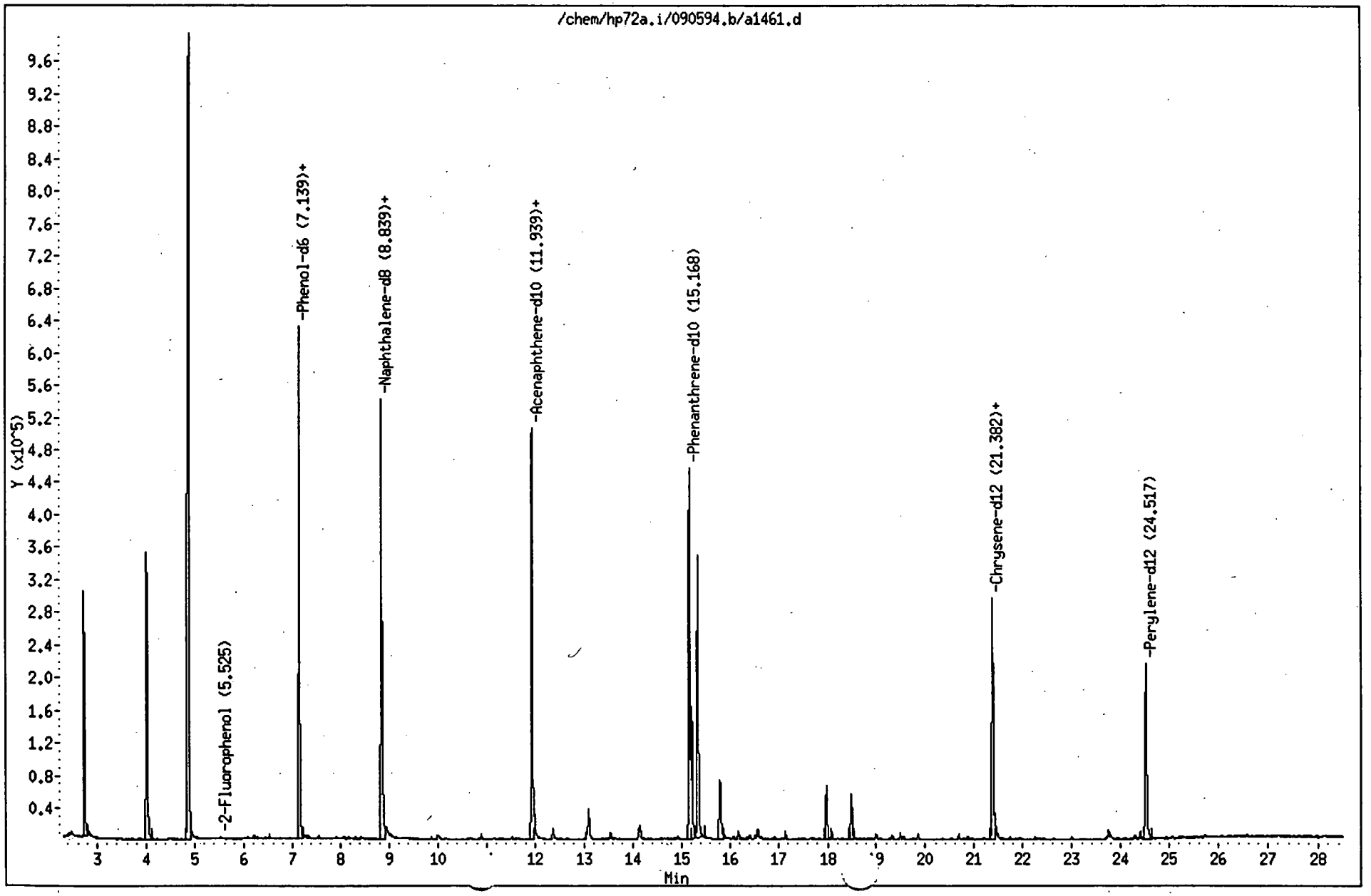
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1461.d
Date : 05-SEP-94 21:14
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000164



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/05/94
ANALYSIS TIME: 23:43
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1465.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 23:43 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-50T
Misc Info : PRC/TCP/200:1/S-1/0826-50T
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.730	(0.382)	3130	0.974	4.870(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.530	(0.774)	25630	5.020	25.102(aR)
$	4 Phenol-d6	99.00	6.859	(0.960)	19349	4.142	20.711(aR)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	119505	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.852	(0.888)	213871	35.731	178.657
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	411320	40.000	
	29 Naphthalene	128.00	8.866	(1.003)	252084	21.959	109.796

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.895	(1.006)	2130	0.413	2.063(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	7007	0.937	4.687(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	331956	40.115	200.575
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.644	(0.975)	6733	0.585	2.926(a)
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	3 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	217943	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	3891	1.174	5.869(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.366	(1.036)	6140	0.622	3.111(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.096)	7182	0.980	4.899(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	35174	27.349	136.747
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	303529	40.000	
	62 Phenanthrene	178.00	15.216	(1.003)	10273	1.145	5.724(a)
	63 Anthracene	178.00	15.216	(1.003)	10273	1.153	5.765(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.009	(0.889)	298438	49.611	248.053
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.380	(1.000)	208670	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.730	(1.016)	3175	0.438	2.191(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

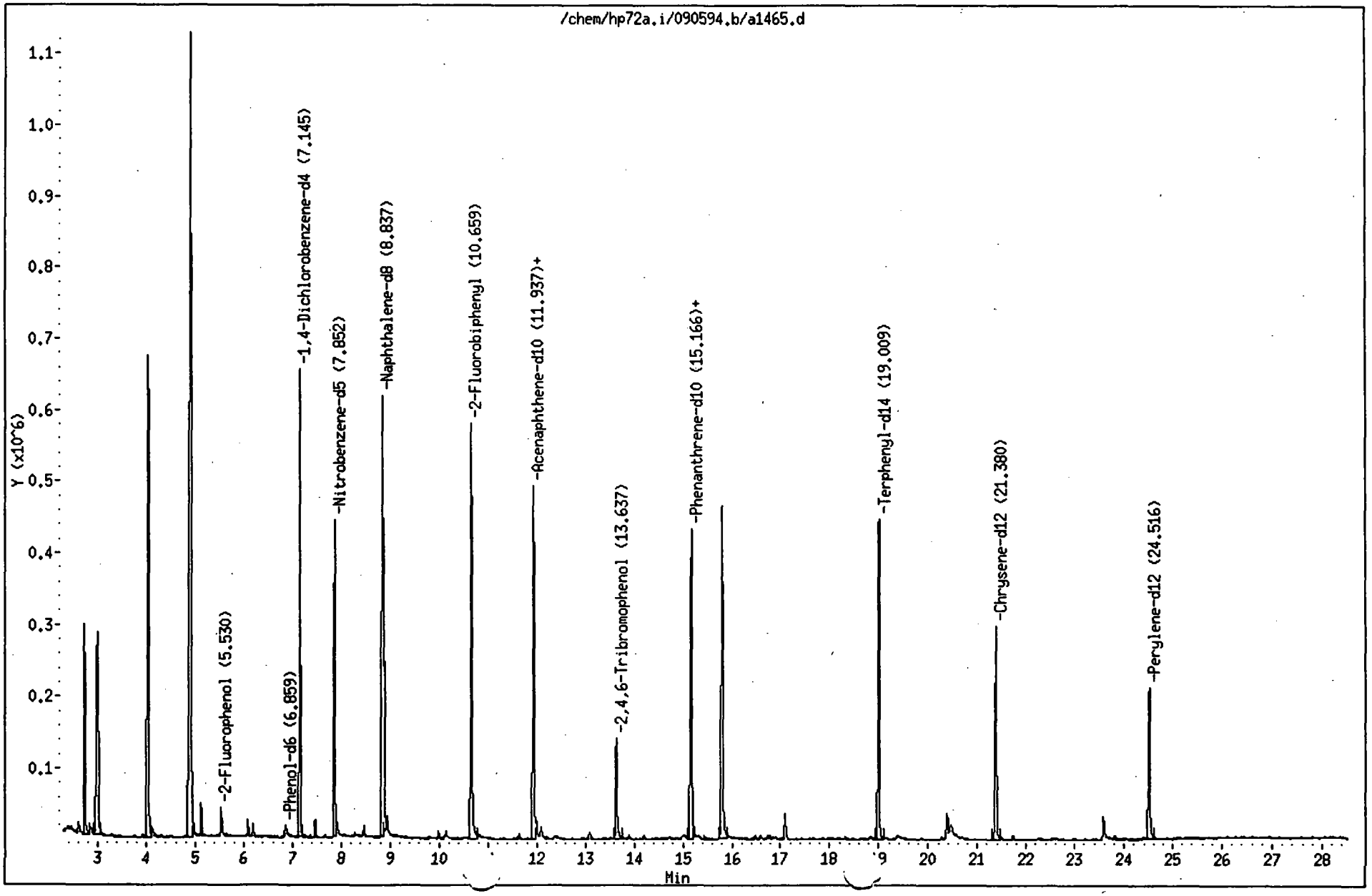
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	196129	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

0000169

Data File: /chem/hp72a.i/090594.b/a1465.d
Date : 05-SEP-94 23:43
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1495.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 19:08 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-50T
Misc Info : PRC/TCP/200:1/S-1/0826-50T
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 6
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.373	(0.335)	1877	1.120	5.600(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.459	(0.770)	123434	47.407	237.036
$	4 Phenol-d6	99.00	6.780	(0.957)	110586	43.291	216.455
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.087	(1.000)	59162	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.787	(0.888)	109857	40.479	202.395
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.766	(1.000)	184925	40.000	
	29 Naphthalene	128.00	8.801	(1.004)	33675	6.489	32.443(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.801	(1.004)	4174	2.564	12.820(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.580	(0.893)	142476	39.011	195.057
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.851	(1.000)	94882	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.551	(1.143)	41310	75.601	378.005
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	7 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.073	(1.000)	138271	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.908	(2.668)	2363	2.105	10.526(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.908	(0.889)	136538	44.976	224.882
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.280	(1.000)	117474	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

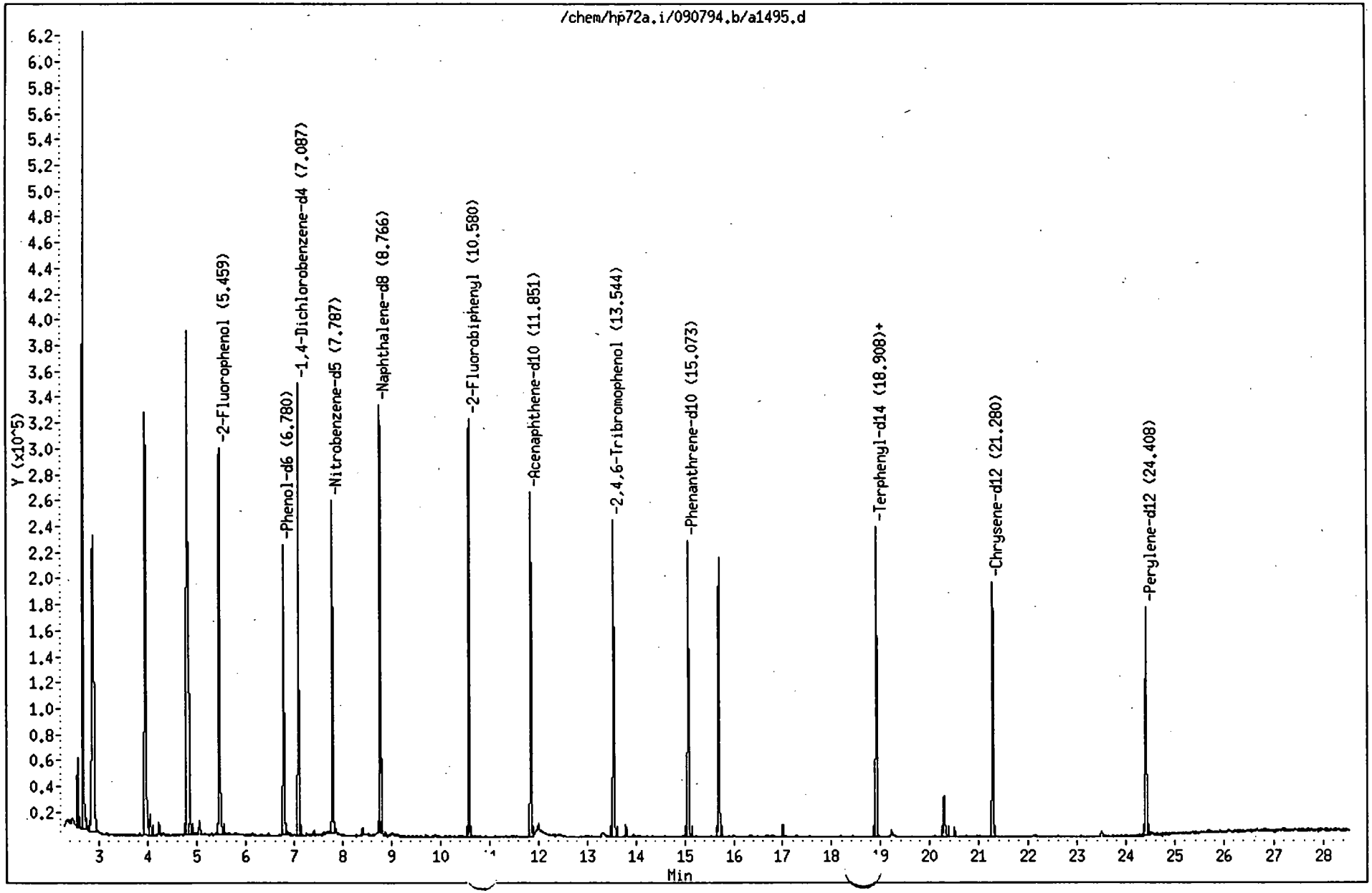
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.408	(1.000)	131261	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

0000173

Data File: /chem/hp72a.i/090794.b/a1495.d
Date : 07-SEP-94 19:08
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 23:05 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	< DL	1200	396
Acenaphthylene	< DL	1200	396
Anthracene	< DL	1200	396
Benzidine	< DL	1200	1580
Benzo(a)anthracene	< DL	1200	396
Benzo(a)pyrene	< DL	1200	396
Benzo(b)fluoranthene	< DL	1200	396
Benzo(ghi)perylene	< DL	1200	396
Benzo(k)fluoranthene	< DL	1200	396
bis(2-Chloroethoxy)methane	< DL	1200	396
bis(2-Chloroethyl)ether	< DL	1200	396
bis(2-Chloroisopropyl)ether	< DL	1200	396
bis(2-Ethylhexyl)phthalate	< DL	1200	396
4-Bromophenyl phenyl ether	< DL	1200	396
Butyl benzyl phthalate	< DL	1200	396
2-Chloronaphthalene	< DL	1200	396
4-Chlorophenyl phenyl ether	< DL	1200	396
Chrysene	< DL	1200	396
Dibenzo(a,h)anthracene	< DL	1200	396
1,2-Dichlorobenzene	< DL	1200	396
1,3-Dichlorobenzene	< DL	1200	396
1,4-Dichlorobenzene	< DL	1200	396
3,3'-Dichlorobenzidine	< DL	1200	792
Diethyl phthalate	< DL	1200	396
Dimethyl phthalate	< DL	1200	396
Di-n-butyl phthalate	< DL	1200	396
2,4-Dinitrotoluene	< DL	1200	396
2,6-Dinitrotoluene	< DL	1200	396
Di-n-octyl phthalate	< DL	1200	396
1,2-Diphenylhydrazine *	< DL	1200	396
Fluoranthene	814	1200	396
Fluorene	< DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000174

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 23:05 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	< DL	1200	396
Hexachlorobutadiene	< DL	1200	396
Hexachlorocyclopentadiene	< DL	1200	396
Hexachloroethane	< DL	1200	396
Indeno(1,2,3-c,d)pyrene	< DL	1200	396
Isophorone	< DL	1200	396
Naphthalene	1160	1200	396
Nitrobenzene	< DL	1200	396
N-Nitrosodimethylamine	< DL	1200	396
N-Nitrosodi-n-propylamine	< DL	1200	396
N-Nitrosodiphenylamine **	< DL	1200	396
Phenanthrene	1050	1200	396
Pyrene	467	1200	396
1,2,4-Trichlorobenzene	< DL	1200	396
2-Chlorophenol	< DL	1200	396
2,4-Dichlorophenol	< DL	1200	396
2,4-Dimethylphenol	< DL	1200	396
4,6-Dinitro-o-cresol	< DL	1200	1980
2,4-Dinitrophenol	< DL	1200	1980
2-Nitrophenol	< DL	1200	396
4-Nitrophenol	< DL	1200	1980
p-Chloro-m-cresol	< DL	1200	396
Pentachlorophenol	< DL	1200	1980
Phenol	< DL	1200	396
2,4,6-Trichlorophenol	< DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000175

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1464.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 23:05 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-53
Misc Info : PRC/BNA/5:200/S-2/0826-53
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 15
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.731	(0.383)	1350	0.389	15.569(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.531	(0.775)	1524	0.277	11.064(aQ)
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.138	(1.000)	128978	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	452106	40.000	(a)
	29 Naphthalene	128.00	8.867	(1.003)	364919	28.921	1156.820(a)

0000176

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.895	(1.006)	4486	0.791	31.624(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.130)	31267	3.806	152.238(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	2732	0.296	11.831(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	64011	4.984	199.374(a)
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	3 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	243262	40.000	(a)
	45 Acenaphthene	152.00	11.995	(1.005)	4685	1.266	50.646(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.367	(1.036)	54965	4.990	199.605(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	61483	7.515	300.618(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	351786	40.000	(a)
	62 Phenanthrene	178.00	15.224	(1.004)	274005	26.344	1053.753(a)
	63 Anthracene	178.00	15.331	(1.011)	85885	8.317	332.687(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	208279	20.351	814.021(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.864)	128595	11.676	467.030(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.359	(0.999)	51355	5.985	239.409(a)
*	71 Chrysene-d12	240.00	21.388	(1.000)	245536	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.438	(1.002)	51932	7.145	285.786(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.745	(0.969)	44237	4.851	194.037(a)
	77 Benzo(k)fluoranthene	252.00	24.281	(0.990)	9726	1.120	44.797(Ta)
	78 Benzo(a)pyrene	252.00	24.388	(0.995)	24213	3.071	122.850(a)

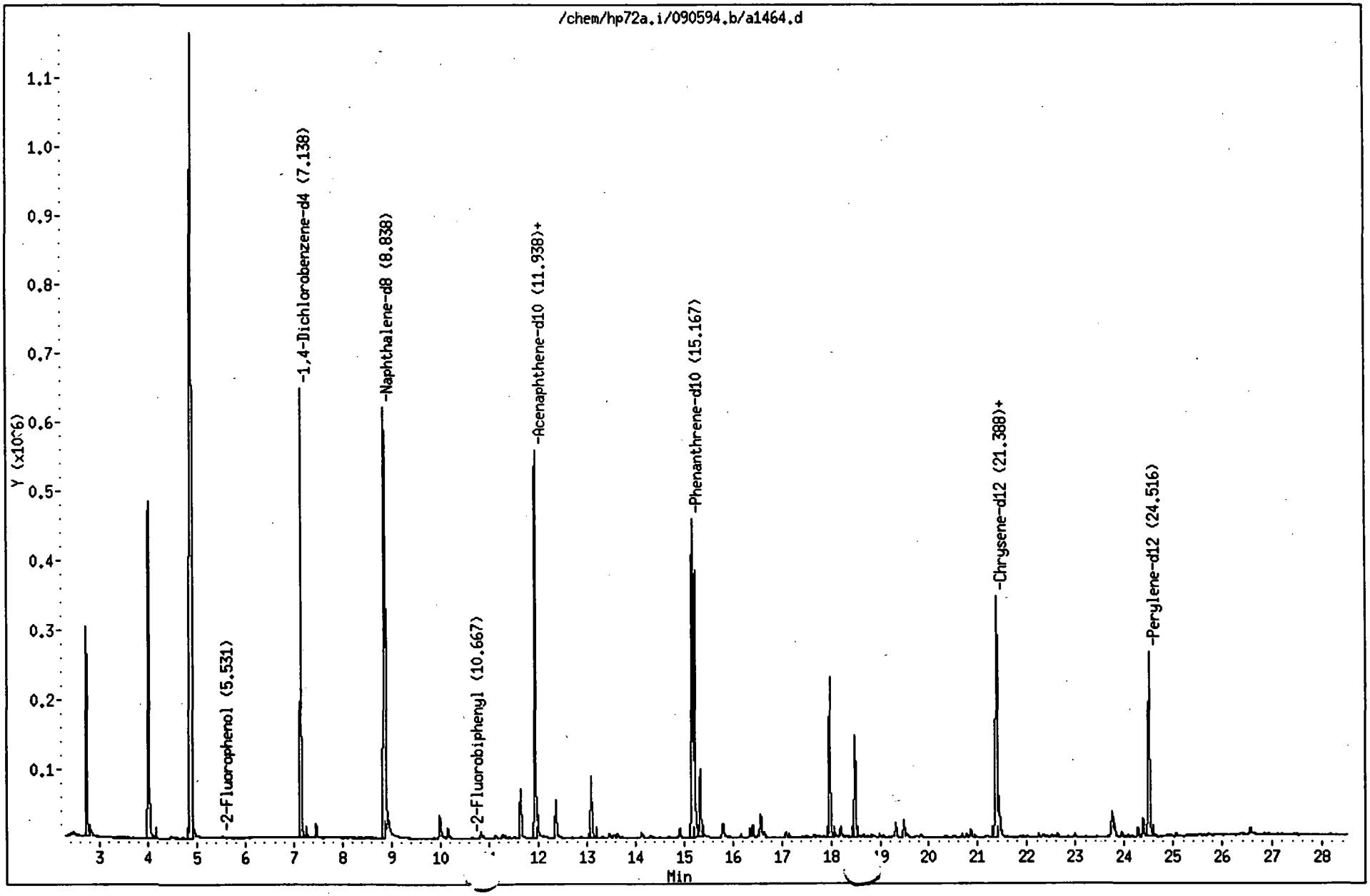
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.516	(1.000)	246352	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.084)	14528	2.156	86.250(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090594.b/a1464.d
Date : 05-SEP-94 23:05
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000179



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 21:53
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1487.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 21:53 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-53T
Misc Info : PRC/TCP/200:1/S-1/0826-53T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 18
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.365)	1035	0.304	1.518(a)
	2 Pyridine	79.00	2.844	(0.000)	2529	0.372	1.862(aM)
$	3 2-Fluorophenol	112.00	5.544	(0.774)	164833	32.330	161.652
$	4 Phenol-d6	99.00	6.866	(0.959)	155106	32.094	160.468
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.887	(0.962)	135320	23.126	115.630
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	1,4-Dichlorobenzene-d4	152.00	7.158	(1.000)	116751	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.594	(1.061)	54568	22.325	111.624(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.594	(1.061)	54568	13.473	67.363
	15 Bis(2-chloroisopropyl)ether	45.00	7.123	(0.995)	1584	0.260	1.300(TaQ)
	16 3- & 4-Methylphenol	108.00	7.801	(1.090)	177248	47.945	239.723
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.865	(0.888)	231798	41.874	209.369
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.487	(0.958)	17803	5.515	27.573(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.958	(1.011)	2373	0.420	2.098(TaQ)
	25 Benzoic Acid	122.00	8.680	(1.213)	59679	24.758	123.790(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.858	(1.000)	377739	40.000	
	29 Naphthalene	128.00	8.894	(1.004)	1036828	100.251	501.254

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.894	(1.004)	146651	34.363	171.813(Q)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.994	(1.128)	11430	1.687	8.435(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.673	(0.893)	293992	37.225	186.124
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.658	(0.975)	59032	5.475	27.377(a)
	? 2,6-Dinitrotoluene	165.00	11.951	(1.000)	26149	12.373	61.865(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.951	(1.000)	209592	40.000	
	45 Acenaphthene	152.00	11.658	(0.975)	59032	18.699	93.493(TQ)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.380	(1.036)	9101	0.970	4.850(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.108	(1.097)	7700	1.101	5.504(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.672	(0.900)	3140	0.656	3.279(Ta)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.672	(1.144)	81066	66.402	332.008
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.194	(1.000)	308591	40.000	
	62 Phenanthrene	178.00	15.265	(1.005)	3780	0.425	2.123(aQ)
	63 Anthracene	178.00	15.265	(1.005)	3780	0.418	2.089(aQ)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.037	(0.889)	306733	43.886	219.431
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.415	(1.000)	238556	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.751	(1.016)	4516	0.554	2.771(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.551	(1.000)	227860	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

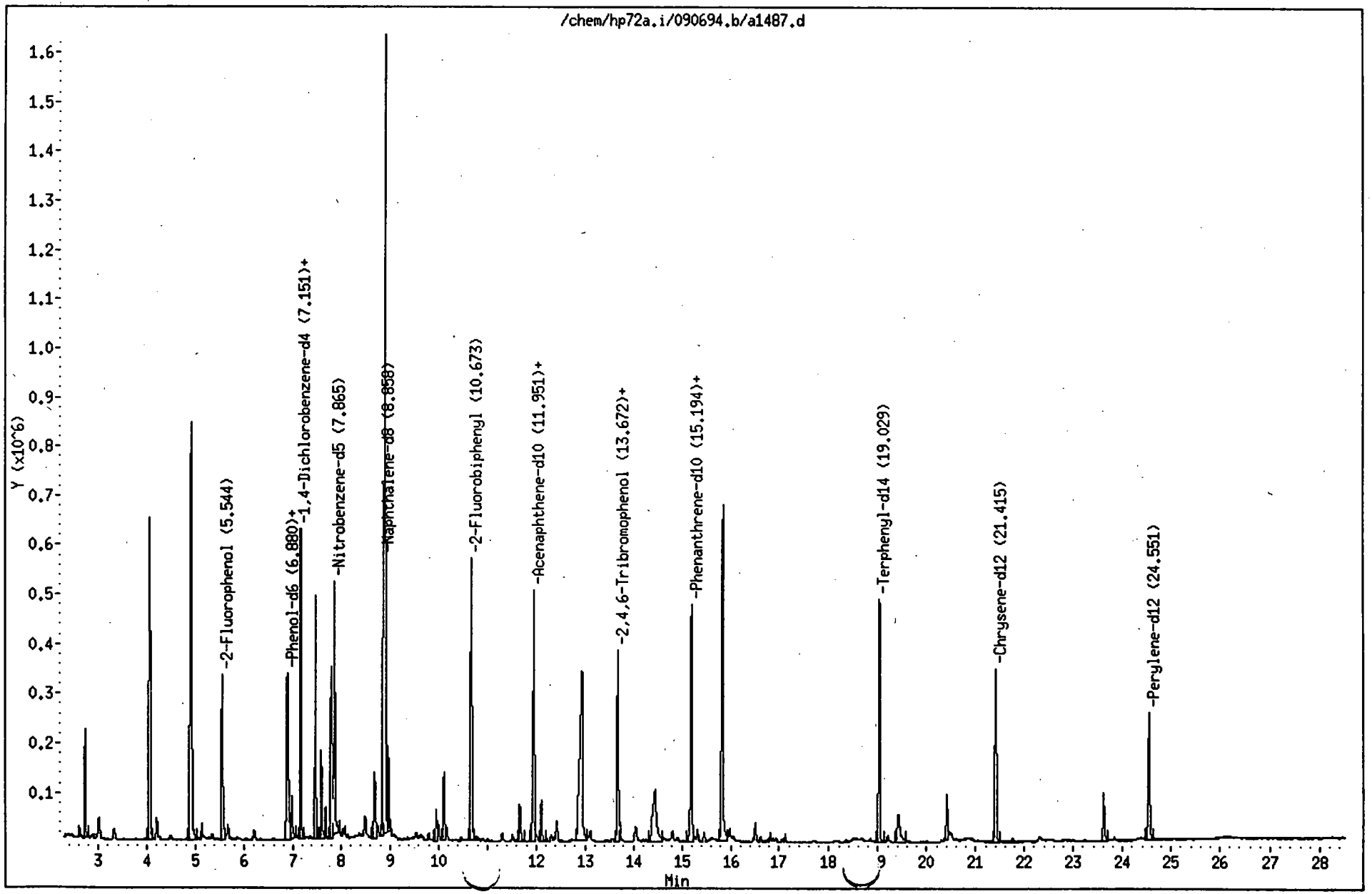
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Compound response manually integrated.

Data File: /chem/hp72a.i/090694.b/a1487.d
Date : 06-SEP-94 21:53
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000184



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 02:54 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	<	DL	1	10
Acenaphthylene	<	DL	1	10
Anthracene	<	DL	1	10
Benzidine	<	DL	1	40
Benzo(a)anthracene	<	DL	1	10
Benzo(a)pyrene	<	DL	1	10
Benzo(b)fluoranthene	<	DL	1	10
Benzo(ghi)perylene	<	DL	1	10
Benzo(k)fluoranthene	<	DL	1	10
bis(2-Chloroethoxy)methane	<	DL	1	10
bis(2-Chloroethyl)ether	<	DL	1	10
bis(2-Chloroisopropyl)ether	<	DL	1	10
bis(2-Ethylhexyl)phthalate	<	DL	1	10
4-Bromophenyl phenyl ether	<	DL	1	10
Butyl benzyl phthalate	<	DL	1	10
2-Chloronaphthalene	<	DL	1	10
4-Chlorophenyl phenyl ether	<	DL	1	10
Chrysene	<	DL	1	10
Dibenzo(a,h)anthracene	<	DL	1	10
1,2-Dichlorobenzene	<	DL	1	10
1,3-Dichlorobenzene	<	DL	1	10
1,4-Dichlorobenzene	<	DL	1	10
3,3'-Dichlorobenzidine	<	DL	1	20
Diethyl phthalate	<	DL	1	10
Dimethyl phthalate	<	DL	1	10
Di-n-butyl phthalate	<	DL	1	10
2,4-Dinitrotoluene	<	DL	1	10
2,6-Dinitrotoluene	<	DL	1	10
Di-n-octyl phthalate	<	DL	1	10
1,2-Diphenylhydrazine *	<	DL	1	10
Fluoranthene	<	DL	1	10
Fluorene	<	DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000185

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 02:54 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000186

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1368.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 02:54 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-45/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 19
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.573	(0.360)	1359	0.281	0.281(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.523	(0.773)	475576	49.004	49.004
$	4 Phenol-d6	99.00	6.837	(0.957)	392101	43.125	43.125
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.438	0.438(aQ)
	0 1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	210170	40.000	
	11 1,4-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.450	0.450(aQ)
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.464	0.464(TaQ)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.858	(1.100)	50618	7.155	7.155(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.858	(0.889)	367053	40.703	40.703
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.844	(1.000)	677763	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.658	(0.893)	540735	36.392	36.392
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	364578	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.644	(1.143)	128292	61.537	61.537
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.165	(1.000)	502241	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	15920	0.680	0.680(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.008	(0.889)	447830	37.586	37.586
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.379	(1.000)	362235	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.017)	22470	1.586	1.586(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	273877	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

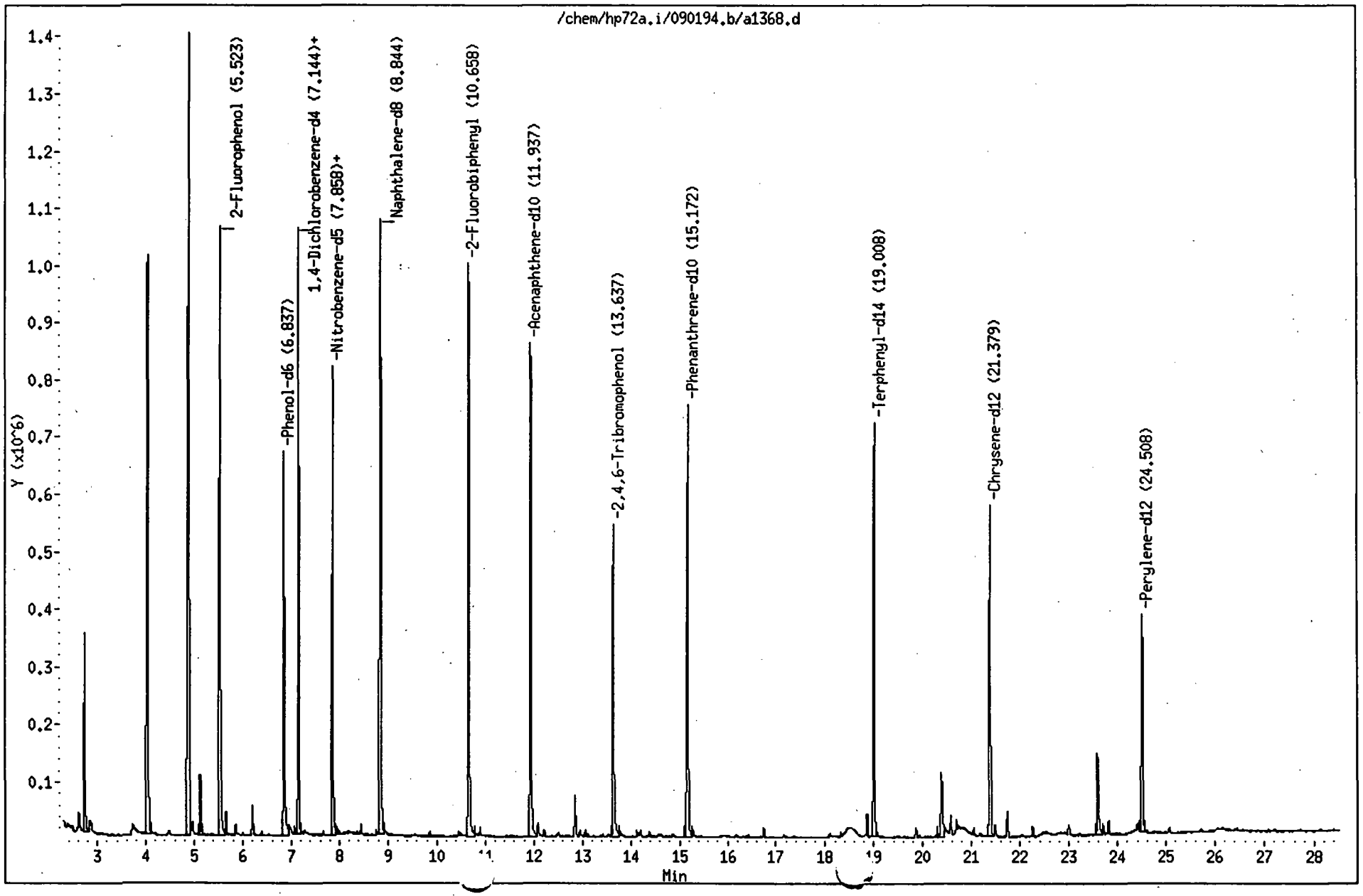
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1368.d
Date : 02-SEP-94 02:54
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000190



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SURROGATE DETAIL RESULTS

Sample#: 9408260030 Client ID: SBA-01
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	58	24 - 113	8270
2-Fluorobiphenyl	72	30 - 115	8270
Nitrobenzene-d5	66	23 - 120	8270
2-Fluorophenol	52	25 - 121	8270
2,4,6-Tribromophenol	49	19 - 122	8270
Terphenyl-d14	68	18 - 137	8270
Phenol-d6	31	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	117	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	118	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	106	74 - 121	ZHE 1311/8240

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	89	70 - 121	8240
4-Bromofluorobenzene	101	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	48	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	76	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	88	43 - 116	TCLP 1311/8270

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SURROGATE DETAIL RESULTS

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	83	33 - 141	TCLP 1311/8270
Toluene-d8	118	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	105	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	101	74 - 121	ZHE 1311/8240

Sample#: 9408260032 Client ID: SBA-03
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	17	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	89	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	75	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	21	10 - 123	TCLP 1311/8270
Terphenyl-d14	86	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	8240
1,2-Dichloroethane-d4	98	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240

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SURROGATE DETAIL RESULTS

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	80	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	75	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	103	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	70	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	77	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240

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SURROGATE DETAIL RESULTS

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	89	74 - 121	ZHE 1311/8240

Sample#: 9408260035 Client ID: SBA-05(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	57	10 - 94	TCLP 1311/8270
2-Fluorophenol	54	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	8240
1,2-Dichloroethane-d4	97	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270

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SURROGATE DETAIL RESULTS

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	44	10 - 94	TCLP 1311/8270
2-Fluorophenol	54	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	83	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	72	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	83	74 - 121	ZHE 1311/8240

Sample#: 9408260037 Client ID: SBA-06
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	8240
1,2-Dichloroethane-d4	98	70 - 121	8240
4-Bromofluorobenzene	100	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	42	10 - 94	TCLP 1311/8270
2-Fluorophenol	44	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	67	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

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SURROGATE DETAIL RESULTS

Sample#: 9408260038 Client ID: SBA-07
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	91	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	94	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	95	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	81	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	105	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	97	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	98	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	97	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	73	43 - 116	TCLP 1311/8270

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SURROGATE DETAIL RESULTS

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	106	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	112	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	104	74 - 121	ZHE 1311/8240

Sample#: 9408260040 Client ID: SBA-09
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	106	81 - 117	8240
1,2-Dichloroethane-d4	104	70 - 121	8240
4-Bromofluorobenzene	120	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	40	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	79	10 - 123	TCLP 1311/8270
Terphenyl-d14	68	33 - 141	TCLP 1311/8270
Toluene-d8	103	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	102	74 - 121	ZHE 1311/8240

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	81 - 117	8240
1,2-Dichloroethane-d4	109	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240

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DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	28	10 - 94	TCLP 1311/8270
2-Fluorophenol	31	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	72	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	51	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	106	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260042 Client ID: SBA-TB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	88 - 110	8240
1,2-Dichloroethane-d4	105	76 - 114	8240
4-Bromofluorobenzene	107	86 - 115	8240

Sample#: 9408260043 Client ID: SBA-FB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	88 - 110	8240
1,2-Dichloroethane-d4	87	76 - 114	8240
4-Bromofluorobenzene	87	86 - 115	8240

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SURROGATE DETAIL RESULTS

Sample#: 9408260045 Client ID: SBA-ER01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	100	76 - 114	8240
4-Bromofluorobenzene	105	86 - 115	8240
Phenol-d6	43	10 - 94	8270
2-Fluorophenol	49	21 - 100	8270
Nitrobenzene-d5	81	35 - 114	8270
2-Fluorobiphenyl	73	43 - 116	8270
2,4,6-Tribromophenol	82	10 - 123	8270
Terphenyl-d14	78	33 - 141	8270

Sample#: 9408260046 Client ID: SBA-TB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	115	88 - 110	8240
1,2-Dichloroethane-d4	110	76 - 114	8240
4-Bromofluorobenzene	114	86 - 115	8240

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	87	81 - 117	8240
1,2-Dichloroethane-d4	94	70 - 121	8240
4-Bromofluorobenzene	101	74 - 121	8240
Phenol-d6	81	24 - 113	8270
2-Fluorobiphenyl	62	30 - 115	8270
Nitrobenzene-d5	58	23 - 120	8270
2-Fluorophenol	50	25 - 121	8270
2,4,6-Tribromophenol	89	19 - 122	8270
Terphenyl-d14	78	18 - 137	8270
Phenol-d6	15	10 - 94	TCLP 1311/8270
2-Fluorophenol	18*	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	77	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	71	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	43	10 - 123	TCLP 1311/8270
Terphenyl-d14	85	33 - 141	TCLP 1311/8270

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SURROGATE DETAIL RESULTS

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	105	74 - 121	ZHB 1311/8240

Sample#: 9408260049 Client ID: SBA-12
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8248
1,2-Dichloroethane-d4	99	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	67	24 - 113	8270
2-Fluorobiphenyl	68	30 - 115	8270
Nitrobenzene-d5	63	23 - 120	8270
2-Fluorophenol	54	25 - 121	8270
2,4,6-Tribromophenol	83	19 - 122	8270
Terphenyl-d14	74	18 - 137	8270
Phenol-d6	46	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	70	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	78	10 - 123	TCLP 1311/8270
Terphenyl-d14	81	33 - 141	TCLP 1311/8270
Toluene-d8	114	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	110	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHB 1311/8240

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	80	70 - 121	8248
4-Bromofluorobenzene	90	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270

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SURROGATE DETAIL RESULTS

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	43	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	71	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	80	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	99	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260051 Client ID: SBA-13(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	84	81 - 117	8248
1,2-Dichloroethane-d4	96	70 - 121	8240
4-Bromofluorobenzene	102	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	34	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	87	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	61	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	58	10 - 123	TCLP 1311/8270
Terphenyl-d14	102	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

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FAX (504) 767-5717

SURROGATE DETAIL RESULTS

Sample#: 9408260052 Client ID: SBA-13(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	92	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	35	10 - 94	TCLP 1311/8270
2-Fluorophenol	38	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	89	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	83	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	65	10 - 123	TCLP 1311/8270
Terphenyl-d14	110	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	88	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	32	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000202

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SURROGATE DETAIL RESULTS

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	66	10 - 123	TCLP 1311/8270
Terphenyl-d14	88	33 - 141	TCLP 1311/8270
Toluene-d8	107	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	103	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	89	74 - 121	ZHE 1311/8240

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Calibration File Names:
Level 1: /chem/hp72a.i/083194#2.b/a1332.d
Level 2: /chem/hp72a.i/083194#2.b/a1331.d
Level 3: /chem/hp72a.i/083194#2.b/a1333.d
Level 4: /chem/hp72a.i/083194#2.b/a1334.d
Level 5: /chem/hp72a.i/083194#2.b/a1335.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
1 n-Nitrosodimethylamine	0.78064	0.90546	0.95591	0.93082	0.86559	0.88769	7.718
2 Pyridine	2.16318	2.48146	2.47691	2.43688	2.24496	2.36068	6.222
5 Aniline	2.43759	2.43410	2.51875	2.39804	2.21466	2.40063	4.705
6 Phenol	2.14003	2.22935	2.04650	2.04702	1.66652	2.02589	10.599
7 bis(-2-Chloroethyl)Ether	1.72267	1.82661	1.61368	1.53812	1.44508	1.62923	9.214
8 2-Chlorophenol	1.57557	1.65562	1.60217	1.57322	1.40905	1.56313	5.905
9 1,3-Dichlorobenzene	1.67345	1.80020	1.57777	1.58668	1.30367	1.58836	11.492
11 1,4-Dichlorobenzene	1.63325	1.77617	1.49992	1.54058	1.22859	1.53570	13.143
12 Benzyl alcohol	0.94300	1.00935	1.11504	1.05382	0.97765	1.01977	6.580
13 1,2-Dichlorobenzene	1.60247	1.70520	1.48458	1.48321	1.19028	1.49315	12.918
14 2-Methylphenol	1.39707	1.47056	1.53119	1.45312	1.27584	1.42556	6.762
15 Bis(2-chloroisopropyl)ether	2.00625	2.03234	2.14888	2.09548	1.87299	2.03119	5.142
16 3- & 4-Methylphenol	1.37194	1.39238	1.27564	1.20030	1.05416	1.25888	10.966
17 N-Nitroso-di-n-propylamine	1.28193	1.32347	1.39998	1.28681	1.23278	1.30499	4.761
18 Hexachloroethane	0.64144	0.67361	0.54256	0.53521	0.44369	0.56730	16.185
20 Nitrobenzene	0.47232	0.52016	0.47401	0.46568	0.43893	0.47422	6.177
21 Isophorone	0.92301	1.02419	1.03803	0.97139	0.93684	0.97869	5.234
22 2-Nitrophenol	0.27551	0.30866	0.30070	0.30253	0.29054	0.29559	4.391
23 2,4-Dimethyphenol	0.32572	0.37035	0.35162	0.33882	0.30251	0.33780	7.610
24 bis(-2-Chloroethoxy)methane	0.57236	0.64028	0.60293	0.56786	0.53836	0.58436	6.630
25 Benzoic Acid	0.58460	0.69957	0.91432	0.78787	0.96809	0.79089	19.744
26 2,4-Dichlorophenol	0.29806	0.33732	0.32080	0.30273	0.26800	0.30538	8.533
27 1,2,4-Trichlorobenzene	0.33781	0.37628	0.33715	0.33247	0.28122	0.33299	10.178
29 Naphthalene	1.14388	1.27105	1.08106	1.08281	0.90087	1.09593	12.192
30 4-Chloroaniline	0.49569	0.54753	0.50125	0.50499	0.42497	0.49489	8.925
31 Hexachlorobutadiene	0.18054	0.20226	0.18711	0.18238	0.16092	0.18264	8.127
32 4-Chloro-3-Methylphenol	0.34018	0.39209	0.38442	0.36941	0.33905	0.36503	6.738

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
33	2-Methylnaphthalene	0.67157	0.76438	0.69131	0.66865	0.58673	0.67653	9.374
34	Hexachlorocyclopentadiene	0.31455	0.33323	0.38852	0.37700	0.37674	0.35801	8.992
35	2,4,6-Trichlorophenol	0.37829	0.39282	0.41275	0.40193	0.41141	0.39944	3.579
36	2,4,5-Trichlorphenol	0.43804	0.47308	0.49306	0.48340	0.43765	0.46505	5.551
38	2-Chloronaphthalene	1.37848	1.38685	1.33682	1.29792	1.23225	1.32646	4.790
39	2-Nitroaniline	0.55978	0.59154	0.64509	0.62388	0.63961	0.61198	5.860
40	Dimethylphthalate	1.59604	1.64025	1.68912	1.60320	1.62967	1.63166	2.264
41	Acenaphthylene	2.21936	2.23238	2.15017	2.11405	1.98131	2.13946	4.720
42	2,6-Dinitrotoluene	0.37035	0.38742	0.39314	0.38367	0.37142	0.38120	2.626
43	3-Nitroaniline	0.41801	0.45942	0.47894	0.48047	0.46993	0.46136	5.558
45	Acenaphthene	0.65690	0.66282	0.61952	0.60764	0.57245	0.62387	5.962
46	2,4-Dinitrophenol	+++++	0.11530	0.22399	0.21591	0.27994	0.20880	32.819
47	4-Nitrophenol	0.13112	0.16724	0.19734	0.19391	0.22917	0.18376	19.984
48	Dibenzofuran	1.92770	1.97841	1.87827	1.84140	1.71689	1.86854	5.311
49	2,4-Dinitrotoluene	0.47697	0.51546	0.53516	0.52559	0.52415	0.51547	4.390
50	Fluorene	1.45263	1.49802	1.40904	1.37712	1.31365	1.41009	5.006
51	Diethylphthalate	1.63132	1.68720	1.62338	1.55390	1.59493	1.61815	3.033
52	4-Chlorophenyl-phenylether	0.71034	0.73154	0.70650	0.68805	0.64726	0.69674	4.547
53	4-Nitroaniline	0.43253	0.49259	0.50391	0.47519	0.37324	0.45549	11.721
54	4,6-Dinitro-o-cresol	0.12561	0.15872	0.21069	0.20693	0.21707	0.18380	21.728
55	N-nitrosodiphenylamine (1)	0.66342	0.69969	0.66750	0.65481	0.60795	0.65867	5.018
56	Azobenzene	3.36131	3.59404	3.48483	3.28107	3.27241	3.39873	4.076
58	4-Bromophenyl-phenylether	0.23259	0.25050	0.24008	0.23845	0.21860	0.23604	4.955
59	Hexachlorobenzene	0.26766	0.28144	0.26731	0.27524	0.24211	0.26675	5.611
60	Pentachlorophenol	+++++	0.10303	0.14975	0.15810	0.16273	0.14340	19.136
62	Phenanthrene	1.27692	1.38338	1.25424	1.28116	1.14115	1.26737	6.815
63	Anthracene	1.28031	1.37570	1.22671	1.27899	1.12259	1.25686	7.346
64	Di-n-butylphthalate	1.79751	1.98002	1.70655	1.75264	1.56793	1.76093	8.500
65	Fluoranthene	1.21517	1.40331	1.20513	1.27791	1.10483	1.24127	8.844
66	Benzidine	0.98189	0.66034	0.76489	0.74890	0.63832	0.75887	17.937
67	Pyrene	1.77983	1.92773	2.04251	1.83166	1.90640	1.89762	5.283
69	Butylbenzylphthalate	0.99548	1.09885	1.15363	1.05965	1.03607	1.06874	5.659
70	Benzo(a)anthracene	1.36137	1.53021	1.59014	1.53221	1.48330	1.49945	5.734
72	3,3'-Dichlorobenzidine	0.49324	0.56495	0.56115	0.57842	0.49070	0.53769	7.856

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
73 Chrysene	1.23671	1.38926	1.36062	1.30874	1.16978	1.29302	6.964
74 bis(2-Ethylhexyl)phthalate	1.39520	1.53737	1.54078	1.43921	1.33334	1.44918	6.230
75 Di-n-octylphthalate	2.33024	3.24627	2.99763	2.63579	1.87830	2.61765	20.653
76 Benzo(b)fluoranthene	1.14723	1.66260	1.64583	1.60135	1.25675	1.46275	16.558
77 Benzo(k)fluoranthene	1.18061	1.63730	1.50818	1.45608	1.04313	1.36506	17.965
78 Benzo(a)pyrene	1.05730	1.51330	1.40733	1.40755	0.96162	1.26942	19.188
80 Indeno(1,2,3-cd)pyrene	0.94491	1.41371	1.34083	1.34724	0.98335	1.20601	18.495
81 Dibenzo(a,h)anthracene	0.91896	1.36016	1.28467	1.27403	0.84430	1.13642	20.805
82 Benzo(g,h,i)perylene	0.98610	1.45498	1.33139	1.34671	0.91495	1.20683	19.895
$ 3 2-Fluorophenol	1.70028	1.85999	1.85070	1.79266	1.61228	1.76318	5.991
$ 4 Phenol-d6	1.71881	1.82331	1.59093	1.60368	1.39181	1.62571	9.924
$ 19 Nitrobenzene-d5	0.45882	0.51012	0.51775	0.50000	0.44487	0.48631	6.676
$ 37 2-Fluorobiphenyl	1.62843	1.63178	1.52441	1.48388	1.34152	1.52200	7.871
$ 57 2,4,6-Tribromophenol	0.19575	0.21994	0.23025	0.21905	0.23045	0.21909	6.451
8 Terphenyl-d14	1.15515	1.22708	1.28646	1.16267	1.18535	1.20334	4.508

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1332.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 04:27 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD020
Misc Info : SSTD020
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.582	(0.361)	85928	17.588	17.588
	2 Pyridine	79.00	2.625	(0.367)	238109	18.327	18.327(M)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	187156	19.287	19.287
$	4 Phenol-d6	99.00	6.846	(0.957)	189195	21.145	21.145
	5 Aniline	93.00	6.754	(0.944)	268314	20.308	20.308
	6 Phenol	94.00	6.861	(0.959)	235561	21.127	21.127
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	189620	21.147	21.147
	8 2-Chlorophenol	128.00	6.932	(0.969)	173429	20.159	20.159
	9 1,3-Dichlorobenzene	146.00	7.075	(0.989)	184203	21.072	21.072
	10 1,4-Dichlorobenzene-d4	152.00	7.154	(1.000)	220147	40.000	
	11 1,4-Dichlorobenzene	146.00	7.175	(1.003)	179777	21.270	21.270
	12 Benzyl alcohol	108.00	7.382	(1.032)	103799	18.494	18.494
	13 1,2-Dichlorobenzene	146.00	7.361	(1.029)	176390	21.464	21.464
	14 2-Methylphenol	108.00	7.575	(1.059)	153780	19.600	19.600
	15 Bis(2-chloroisopropyl)ether	45.00	7.525	(1.052)	220835	19.754	19.754
	16 3- & 4-Methylphenol	108.00	7.782	(1.088)	302028	45.009	45.009
	17 N-Nitroso-di-n-propylamine	70.00	7.689	(1.075)	141106	19.646	19.646
	18 Hexachloroethane	117.00	7.782	(1.088)	70606	22.614	22.614
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	182348	18.869	18.869
	20 Nitrobenzene	77.00	7.889	(0.891)	187713	19.920	19.920
	21 Isophorone	82.00	8.218	(0.928)	366830	18.862	18.862
	22 2-Nitrophenol	139.00	8.318	(0.939)	109495	18.641	18.641
	23 2,4-Dimethyphenol	122.00	8.454	(0.955)	129450	19.285	19.285
	24 bis(-2-Chloroethoxy)methane	93.00	8.532	(0.964)	227472	19.589	19.589
	25 Benzoic Acid	122.00	8.675	(1.213)	64349	15.779	15.779
	26 2,4-Dichlorophenol	162.00	8.711	(0.984)	118457	19.520	19.520
	27 1,2,4-Trichlorobenzene	180.00	8.775	(0.991)	134254	20.290	20.290
*	28 Naphthalene-d8	136.00	8.854	(1.000)	794858	40.000	
	29 Naphthalene	128.00	8.882	(1.003)	454613	20.875	20.875

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	197003	20.033	20.033
	31 Hexachlorobutadiene	225.00	9.082	(1.026)	71751	19.770	19.770
	32 4-Chloro-3-Methylphenol	107.00	9.853	(1.113)	135199	18.639	18.639
	33 2-Methylnaphthalene	142.00	9.996	(1.129)	266901	19.853	19.853
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	58262	17.572	17.572
	35 2,4,6-Trichlorophenol	196.00	10.539	(0.882)	70070	18.941	18.941
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.890)	81137	18.839	18.839
$	37 2-Fluorobiphenyl	172.00	10.675	(0.893)	301627	21.398	21.398
	38 2-Chloronaphthalene	162.00	10.868	(0.909)	255330	20.784	20.784
	39 2-Nitroaniline	138.00	11.111	(0.929)	103686	18.294	18.294
	40 Dimethylphthalate	163.00	11.489	(0.961)	295628	19.563	19.563
	41 Acenaphthylene	152.00	11.661	(0.976)	411084	20.747	20.747
	2 2,6-Dinitrotoluene	165.00	11.596	(0.970)	68598	19.431	19.431
	43 3-Nitroaniline	138.00	11.939	(0.999)	77427	18.121	18.121
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	370452	40.000	
	45 Acenaphthene	152.00	12.018	(1.005)	121675	21.059	21.059
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	12254	7.340	7.340(aM)
	47 4-Nitrophenol	109.00	12.496	(1.045)	24286	14.271	14.271(QH)
	48 Dibenzofuran	168.00	12.382	(1.036)	357060	20.633	20.633
	49 2,4-Dinitrotoluene	165.00	12.411	(1.038)	88347	18.506	18.506
	50 Fluorene	166.00	13.103	(1.096)	269064	20.603	20.603
	51 Diethylphthalate	149.00	12.982	(1.086)	302163	20.163	20.163
	52 4-Chlorophenyl-phenylether	204.00	13.161	(1.101)	131573	20.390	20.390
	53 4-Nitroaniline	138.00	13.232	(1.107)	80115	18.992	18.992
	54 4,6-Dinitro-o-cresol	198.00	13.282	(0.875)	34852	13.667	13.667
	55 N-nitrosodiphenylamine (1)	169.00	13.439	(0.885)	184080	20.144	20.144
	56 Azobenzene	77.00	13.503	(1.888)	369991	19.780	19.780
$	57 2,4,6-Tribromophenol	330.00	13.646	(1.142)	36258	17.869	17.869
	58 4-Bromophenyl-phenylether	248.00	14.232	(0.937)	64536	19.707	19.707
	? Hexachlorobenzene	284.00	14.303	(0.942)	74267	20.068	20.068
	60 Pentachlorophenol	266.00	14.825	(0.976)	11718	6.857	6.857(aM)
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	554945	40.000	
	62 Phenanthrene	178.00	15.232	(1.003)	354309	20.151	20.151
	63 Anthracene	178.00	15.346	(1.011)	355251	20.373	20.373
	64 Di-n-butylphthalate	149.00	16.760	(1.104)	498759	20.415	20.415
	65 Fluoranthene	202.00	17.989	(1.185)	337175	19.579	19.579
	66 Benzidine	184.00	18.439	(2.578)	108080	25.878	25.878
	67 Pyrene	202.00	18.503	(0.865)	345201	18.758	18.758
$	68 Terphenyl-d14	244.00	19.010	(0.888)	224043	19.199	19.199
	69 Butylbenzylphthalate	149.00	20.296	(0.949)	193076	18.629	18.629
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	264041	18.158	18.158
*	71 Chrysene-d12	240.00	21.396	(1.000)	387904	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.425	(1.001)	95665	18.347	18.347
	73 Chrysene	228.00	21.453	(1.003)	239862	19.129	19.129
	74 bis(2-Ethylhexyl)phthalate	149.00	21.753	(1.017)	270601	19.255	19.255
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	457474	17.804	17.804
	76 Benzo(b)fluoranthene	252.00	23.753	(0.969)	225225	15.686	15.686
	77 Benzo(k)fluoranthene	252.00	23.810	(0.971)	231778	17.298	17.298
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	207569	16.658	16.658

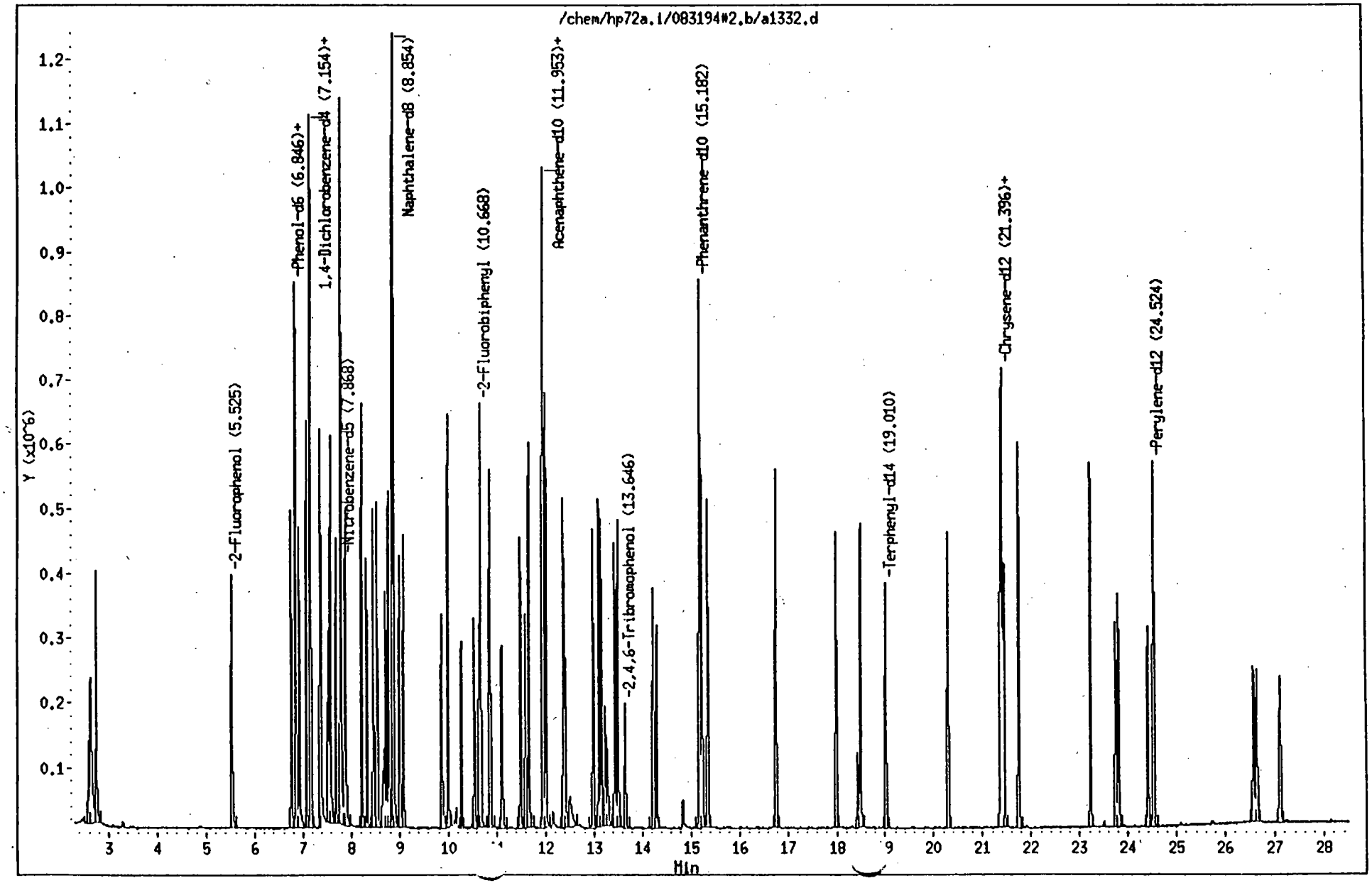
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.524	(1.000)	392641	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	185506	15.670	15.670
81 Dibenzo(a,h)anthracene	278.00	26.632	(1.086)	180410	16.173	16.173
82 Benzo(g,h,i)perylene	276.00	27.103	(1.105)	193592	16.342	16.342

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem/hp72a.i/083194#2.b/a1332.d
Date : 01-SEP-94 04:27
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000210



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1331.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 03:50 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.553	(0.357)	116174	51.001	51.001
	2 Pyridine	79.00	2.581	(0.361)	318381	52.558	52.558(M)
$	3 2-Fluorophenol	112.00	5.517	(0.771)	238644	52.745	52.745
$	4 Phenol-d6	99.00	6.846	(0.957)	233937	56.077	56.077
	5 Aniline	93.00	6.760	(0.945)	312304	50.697	50.697
	6 Phenol	94.00	6.867	(0.960)	286034	55.022	55.022
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	234361	56.057	56.057
	8 2-Chlorophenol	128.00	6.931	(0.969)	212422	52.958	52.958
	9 1,3-Dichlorobenzene	146.00	7.074	(0.989)	230972	56.669	56.669
	0 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	102643	40.000	
	11 1,4-Dichlorobenzene	146.00	7.174	(1.003)	227889	57.829	57.829
	12 Benzyl alcohol	108.00	7.388	(1.033)	129504	49.489	49.489
	13 1,2-Dichlorobenzene	146.00	7.360	(1.029)	218783	57.101	57.101
	14 2-Methylphenol	108.00	7.581	(1.060)	188678	51.578	51.578
	15 Bis(2-chloroisopropyl)ether	45.00	7.531	(1.053)	260757	50.028	50.028
	16 3- & 4-Methylphenol	108.00	7.788	(1.089)	357294	114.200	114.200
	17 N-Nitroso-di-n-propylamine	70.00	7.696	(1.076)	169806	50.708	50.708
	18 Hexachloroethane	117.00	7.788	(1.089)	86427	59.370	59.370
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	222310	52.448	52.448
	20 Nitrobenzene	77.00	7.896	(0.892)	226685	54.843	54.843
	21 Isophorone	82.00	8.224	(0.929)	446340	52.324	52.324
	22 2-Nitrophenol	139.00	8.324	(0.940)	134514	52.211	52.211
	23 2,4-Dimethyphenol	122.00	8.453	(0.955)	161399	54.818	54.818
	24 bis(-2-Chloroethoxy)methane	93.00	8.538	(0.964)	279032	54.785	54.785
	25 Benzoic Acid	122.00	8.696	(1.216)	89757	47.205	47.205
	26 2,4-Dichlorophenol	162.00	8.710	(0.984)	147004	55.229	55.229
	27 1,2,4-Trichlorobenzene	180.00	8.774	(0.991)	163982	56.501	56.501
*	28 Naphthalene-d8	136.00	8.853	(1.000)	348640	40.000	
	29 Naphthalene	128.00	8.888	(1.004)	553923	57.989	57.989

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	238615	55.319	55.319
	31 Hexachlorobutadiene	225.00	9.081	(1.026)	88147	55.372	55.372
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.114)	170872	53.706	53.706
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	333117	56.493	56.493
	34 Hexachlorocyclopentadiene	237.00	10.274	(0.860)	74461	46.540	46.540
	35 2,4,6-Trichlorophenol	196.00	10.546	(0.882)	87777	49.172	49.172
	36 2,4,5-Trichlorphenol	196.00	10.638	(0.890)	105711	50.864	50.864
$	37 2-Fluorobiphenyl	172.00	10.674	(0.893)	364625	53.606	53.606
	38 2-Chloronaphthalene	162.00	10.867	(0.909)	309894	52.276	52.276
	39 2-Nitroaniline	138.00	11.110	(0.929)	132182	48.330	48.330
	40 Dimethylphthalate	163.00	11.495	(0.962)	366519	50.263	50.263
	41 Acenaphthylene	152.00	11.667	(0.976)	498832	52.172	52.172
	42 2,6-Dinitrotoluene	165.00	11.595	(0.970)	86569	50.815	50.815
	43 3-Nitroaniline	138.00	11.945	(0.999)	102659	49.790	49.790
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	178762	40.000	
	45 Acenaphthene	152.00	12.017	(1.005)	148109	53.122	53.122
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	25763	27.611	27.611(M)
	47 4-Nitrophenol	109.00	12.503	(1.046)	37371	45.507	45.507(M)
	48 Dibenzofuran	168.00	12.381	(1.036)	442081	52.940	52.940
	49 2,4-Dinitrotoluene	165.00	12.417	(1.039)	115180	49.999	49.999
	50 Fluorene	166.00	13.110	(1.097)	334737	53.118	53.118
	51 Diethylphthalate	149.00	12.988	(1.087)	377010	52.134	52.134
	52 4-Chlorophenyl-phenylether	204.00	13.160	(1.101)	163465	52.498	52.498
	53 4-Nitroaniline	138.00	13.245	(1.108)	110071	54.073	54.073
	54 4,6-Dinitro-o-cresol	198.00	13.288	(0.875)	52714	43.178	43.178
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	232374	53.113	53.113
	56 Azobenzene	77.00	13.503	(1.888)	461129	52.873	52.873
$	57 2,4,6-Tribromophenol	330.00	13.653	(1.142)	49147	50.195	50.195
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	83193	53.062	53.062
	59 Hexachlorobenzene	284.00	14.310	(0.943)	93471	52.754	52.754
	60 Pentachlorophenol	266.00	14.824	(0.976)	34219	35.925	35.925
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	265689	40.000	
	62 Phenanthrene	178.00	15.238	(1.004)	459436	54.577	54.577
	63 Anthracene	178.00	15.352	(1.011)	456884	54.728	54.728
	64 Di-n-butylphthalate	149.00	16.767	(1.104)	657587	56.221	56.221
	65 Fluoranthene	202.00	17.995	(1.185)	466055	56.527	56.527
	66 Benzidine	184.00	18.438	(2.578)	84724	43.508	43.508
	67 Pyrene	202.00	18.510	(0.865)	478745	50.793	50.793
$	68 Terphenyl-d14	244.00	19.017	(0.889)	304741	50.986	50.986
	69 Butylbenzylphthalate	149.00	20.295	(0.949)	272896	51.409	51.409
	70 Benzo(a)anthracene	228.00	21.374	(0.999)	380021	51.026	51.026
*	71 Chrysene-d12	240.00	21.395	(1.000)	198677	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.431	(1.002)	140303	52.535	52.535
	73 Chrysene	228.00	21.452	(1.003)	345017	53.721	53.721
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.017)	381799	53.043	53.043
	75 Di-n-octylphthalate	149.00	23.231	(0.948)	664406	62.007	62.007
	76 Benzo(b)fluoranthene	252.00	23.759	(0.969)	340281	56.831	56.831
	77 Benzo(k)fluoranthene	252.00	23.824	(0.972)	335103	59.972	59.972
	78 Benzo(a)pyrene	252.00	24.409	(0.996)	309724	59.606	59.606

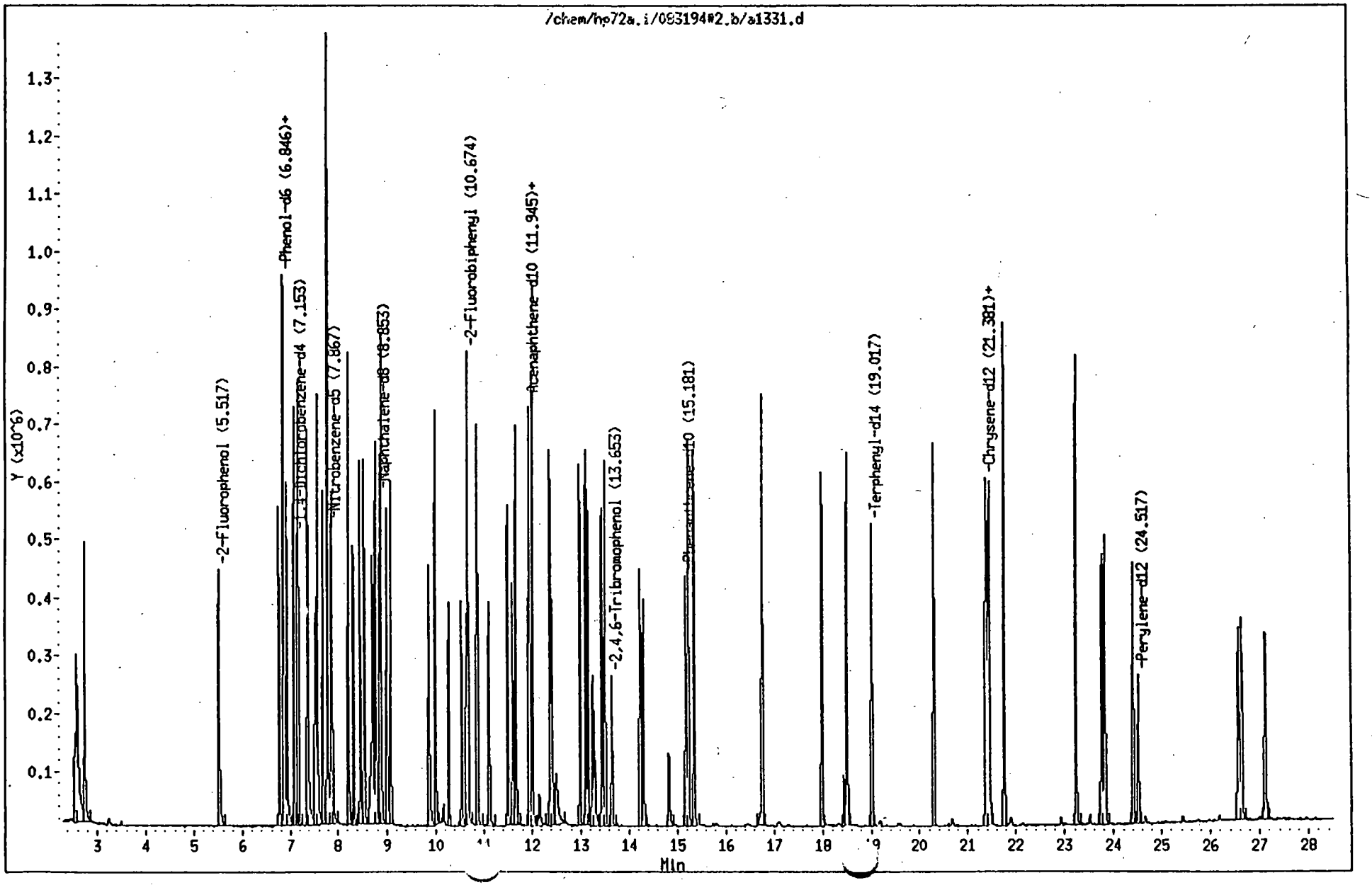
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	163734	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.574	(1.084)	289341	58.611	58.611
81 Dibenzo(a,h)anthracene	278.00	26.645	(1.087)	278380	59.844	59.844
82 Benzo(g,h,i)perylene	276.00	27.124	(1.106)	297788	60.281	60.281

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/083194#2.b/a1331.d
Date : 01-SEP-94 03:50
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000214



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1333.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:04 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD080
Misc Info : SSTD080
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.633	(0.368)	419871	86.148	86.148
	2 Pyridine	79.00	2.633	(0.000)	1087952	83.939	83.939(QM)
$	3 2-Fluorophenol	112.00	5.533	(0.773)	812897	83.971	83.971
$	4 Phenol-d6	99.00	6.868	(0.959)	698796	78.289	78.289
	5 Aniline	93.00	6.776	(0.946)	1106332	83.936	83.936
	6 Phenol	94.00	6.883	(0.961)	898899	80.814	80.814
	7 bis(-2-Chloroethyl)Ether	93.00	6.861	(0.958)	708789	79.236	79.236
	8 2-Chlorophenol	128.00	6.940	(0.969)	703734	81.998	81.998
	9 1,3-Dichlorobenzene	146.00	7.083	(0.989)	693017	79.467	79.467
	0 1,4-Dichlorobenzene-d4	152.00	7.161	(1.000)	219619	40.000	
	11 1,4-Dichlorobenzene	146.00	7.183	(1.003)	658821	78.136	78.136
	12 Benzyl alcohol	108.00	7.411	(1.035)	489768	87.474	87.474
	13 1,2-Dichlorobenzene	146.00	7.368	(1.029)	652082	79.541	79.541
	14 2-Methylphenol	108.00	7.597	(1.061)	672557	85.928	85.928
	15 Bis(2-chloroisopropyl)ether	45.00	7.533	(1.052)	943870	84.635	84.635
	16 3- & 4-Methylphenol	108.00	7.811	(1.091)	1120618	167.400	167.400
	17 N-Nitroso-di-n-propylamine	70.00	7.740	(1.074)	614925	85.823	85.823(QMH)
	18 Hexachloroethane	117.00	7.790	(1.088)	238313	76.511	76.511
$	19 Nitrobenzene-d5	82.00	7.883	(0.890)	804608	85.172	85.172
	20 Nitrobenzene	77.00	7.911	(0.893)	736637	79.965	79.965
	21 Isophorone	82.00	8.254	(0.931)	1613154	84.851	84.851
	22 2-Nitrophenol	139.00	8.333	(0.940)	467298	81.383	81.383
	23 2,4-Dimethyphenol	122.00	8.468	(0.956)	546430	83.272	83.272
	24 bis(-2-Chloroethoxy)methane	93.00	8.554	(0.965)	936981	82.543	82.543
	25 Benzoic Acid	122.00	8.761	(1.223)	401605	89.262	89.262(QMH)
	26 2,4-Dichlorophenol	162.00	8.726	(0.985)	498543	84.040	84.040
	27 1,2,4-Trichlorobenzene	180.00	8.783	(0.991)	523951	81.001	81.001
*	28 Naphthalene-d8	136.00	8.861	(1.000)	777023	40.000	
	29 Naphthalene	128.00	8.897	(1.004)	1680010	78.914	78.914

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.018	(1.018)	778973	81.029	81.029
	31 Hexachlorobutadiene	225.00	9.090	(1.026)	290785	81.959	81.959
	32 4-Chloro-3-Methylphenol	107.00	9.868	(1.114)	597401	84.249	84.249
	33 2-Methylnaphthalene	142.00	10.011	(1.130)	1074331	81.748	81.748
	34 Hexachlorocyclopentadiene	237.00	10.283	(0.860)	307488	86.819	86.819
	35 2,4,6-Trichlorophenol	196.00	10.554	(0.882)	326661	82.665	82.665
	36 2,4,5-Trichlorphenol	196.00	10.647	(0.890)	390219	84.818	84.818
$	37 2-Fluorobiphenyl	172.00	10.690	(0.894)	1206465	80.127	80.127
	38 2-Chloronaphthalene	162.00	10.883	(0.910)	1058003	80.625	80.625
	39 2-Nitroaniline	138.00	11.133	(0.931)	510541	84.328	84.328
	40 Dimethylphthalate	163.00	11.518	(0.963)	1336824	82.818	82.818
	41 Acenaphthylene	152.00	11.683	(0.977)	1701708	80.401	80.401
	42 2,6-Dinitrotoluene	165.00	11.625	(0.972)	311146	82.507	82.507
	43 3-Nitroaniline	138.00	11.975	(1.001)	379049	83.049	83.049
*	44 Acenaphthene-d10	164.00	11.961	(1.000)	395715	40.000	
	45 Acenaphthene	152.00	12.040	(1.007)	490308	79.443	79.443
	46 2,4-Dinitrophenol	184.00	12.175	(1.018)	177275	99.410	99.410
	47 4-Nitrophenol	109.00	12.511	(1.046)	156180	85.914	85.914(Q)
	48 Dibenzofuran	168.00	12.397	(1.036)	1486520	80.417	80.417
	49 2,4-Dinitrotoluene	165.00	12.447	(1.041)	423545	83.057	83.057
	50 Fluorene	166.00	13.125	(1.097)	1115155	79.940	79.940
	51 Diethylphthalate	149.00	13.018	(1.088)	1284795	80.259	80.259
	52 4-Chlorophenyl-phenylether	204.00	13.175	(1.102)	559148	81.121	81.121
	53 4-Nitroaniline	138.00	13.304	(1.112)	398812	88.505	88.505
	54 4,6-Dinitro-o-cresol	198.00	13.333	(0.877)	251294	91.703	91.703
	55 N-nitrosodiphenylamine (1)	169.00	13.468	(0.886)	796138	81.072	81.072
	56 Azobenzene	77.00	13.525	(1.889)	1530670	82.027	82.027
$	57 2,4,6-Tribromophenol	330.00	13.668	(1.143)	182223	84.074	84.074
	58 4-Bromophenyl-phenylether	248.00	14.254	(0.938)	286349	81.369	81.369
	59 Hexachlorobenzene	284.00	14.325	(0.943)	318829	80.168	80.168
	60 Pentachlorophenol	266.00	14.833	(0.976)	178611	97.266	97.266
*	61 Phenanthrene-d10	188.00	15.197	(1.000)	596358	40.000	
	62 Phenanthrene	178.00	15.254	(1.004)	1495949	79.171	79.171
	63 Anthracene	178.00	15.375	(1.012)	1463120	78.081	78.081
	64 Di-n-butylphthalate	149.00	16.775	(1.104)	2035428	77.529	77.529
	65 Fluoranthene	202.00	18.011	(1.185)	1437375	77.671	77.671
	66 Benzidine	184.00	18.447	(2.576)	335970	80.635	80.635
	67 Pyrene	202.00	18.525	(0.865)	1406988	86.108	86.108
$	68 Terphenyl-d14	244.00	19.032	(0.889)	886186	85.526	85.526
	69 Butylbenzylphthalate	149.00	20.311	(0.949)	794681	86.354	86.354
	70 Benzo(a)anthracene	228.00	21.389	(0.999)	1095372	84.839	84.839
*	71 Chrysene-d12	240.00	21.411	(1.000)	344427	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.447	(1.002)	386548	83.490	83.490
	73 Chrysene	228.00	21.482	(1.003)	937271	84.183	84.183
	74 bis(2-Ethylhexyl)phthalate	149.00	21.761	(1.016)	1061374	85.057	85.057
	75 Di-n-octylphthalate	149.00	23.247	(0.948)	1764006	91.613	91.613
	76 Benzo(b)fluoranthene	252.00	23.782	(0.970)	968516	90.013	90.013
	77 Benzo(k)fluoranthene	252.00	23.847	(0.972)	887512	88.388	88.388
	78 Benzo(a)pyrene	252.00	24.432	(0.996)	828166	88.691	88.691

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	294233	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.604	(1.085)	789032	88.943	88.943
81 Dibenzo(a,h)anthracene	278.00	26.668	(1.087)	755986	90.436	90.436
82 Benzo(g,h,i)perylene	276.00	27.154	(1.107)	783475	88.257	88.257

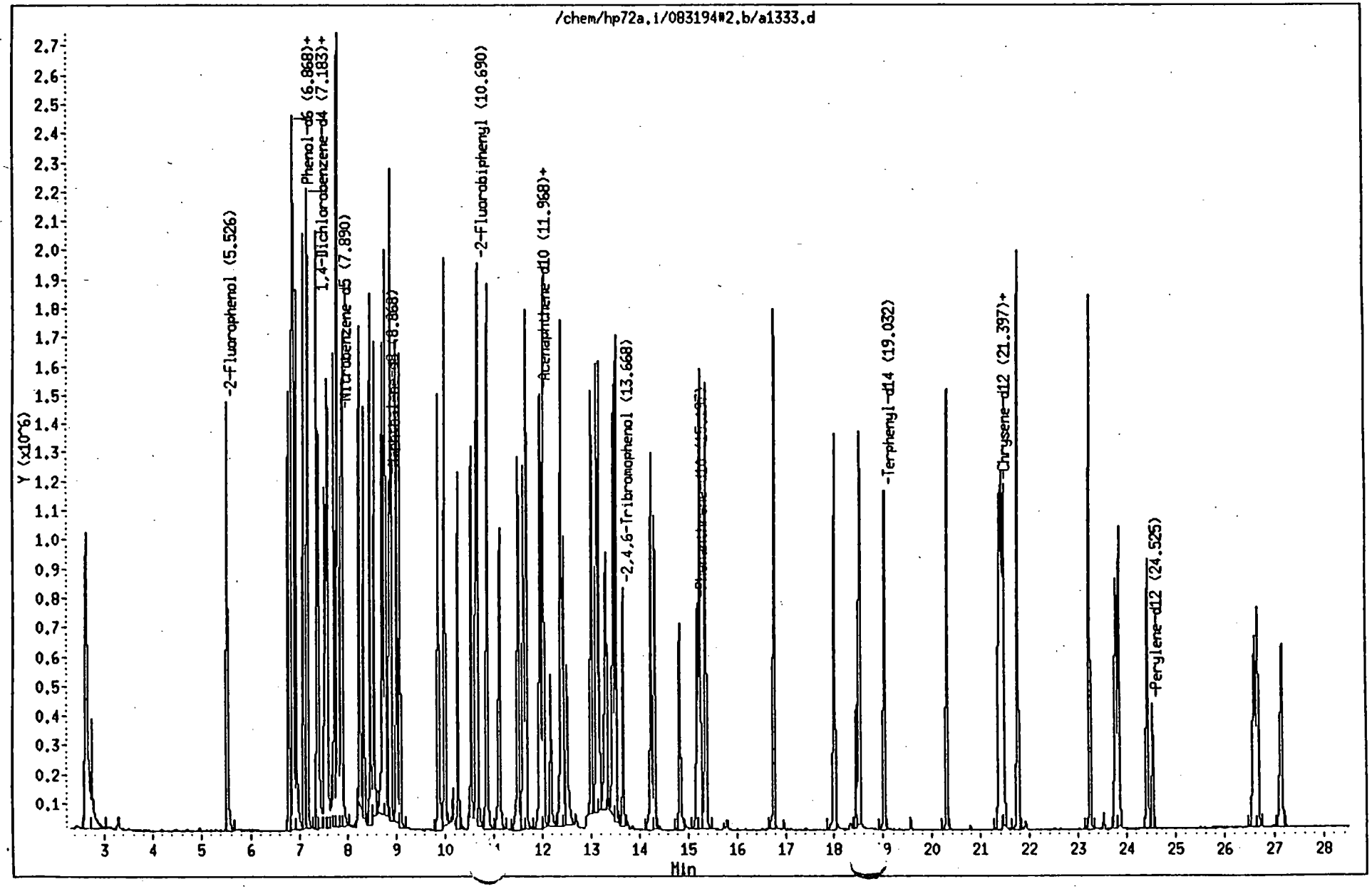
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1333.d
Date : 01-SEP-94 05:04
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000218



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1334.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:41 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD120
Misc Info : SSTD120
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.596	(0.363)	352728	125.832	125.832
	2 Pyridine	79.00	2.610	(0.000)	923435	126.759	126.759(QM)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	679313	122.006	122.006
$	4 Phenol-d6	99.00	6.860	(0.958)	607701	118.374	118.374
	5 Aniline	93.00	6.768	(0.945)	908719	119.871	119.871
	6 Phenol	94.00	6.875	(0.960)	775703	121.113	121.113
	7 bis(-2-Chloroethyl)Ether	93.00	6.853	(0.957)	582860	113.290	113.290
	8 2-Chlorophenol	128.00	6.939	(0.969)	596160	120.775	120.775
	9 1,3-Dichlorobenzene	146.00	7.082	(0.989)	601260	119.874	119.874
	1 1,4-Dichlorobenzene-d4	152.00	7.160	(1.000)	126314	40.000	
	11 1,4-Dichlorobenzene	146.00	7.182	(1.003)	583789	120.381	120.381
	12 Benzyl alcohol	108.00	7.403	(1.034)	399337	124.007	124.007
	13 1,2-Dichlorobenzene	146.00	7.367	(1.029)	562052	119.202	119.202
	14 2-Methylphenol	108.00	7.596	(1.061)	550648	122.320	122.320
	15 Bis(2-chloroisopropyl)ether	45.00	7.532	(1.052)	794065	123.798	123.798
	16 3- & 4-Methylphenol	108.00	7.803	(1.090)	909690	236.271	236.271(A)
	17 N-Nitroso-di-n-propylamine	70.00	7.732	(1.073)	487625	118.328	118.328(QMH)
	18 Hexachloroethane	117.00	7.789	(1.088)	202813	113.211	113.211
$	19 Nitrobenzene-d5	82.00	7.882	(0.890)	663844	123.378	123.378
	20 Nitrobenzene	77.00	7.910	(0.893)	618284	117.840	117.840
	21 Isophorone	82.00	8.239	(0.930)	1289702	119.105	119.105
	22 2-Nitrophenol	139.00	8.332	(0.940)	401667	122.818	122.818
	23 2,4-Dimethyphenol	122.00	8.467	(0.956)	449851	120.362	120.362
	24 bis(-2-Chloroethoxy)methane	93.00	8.546	(0.965)	753940	116.612	116.612
	25 Benzoic Acid	122.00	8.760	(1.223)	298558	162.431	162.431
	26 2,4-Dichlorophenol	162.00	8.717	(0.984)	401926	118.957	118.957
	27 1,2,4-Trichlorobenzene	180.00	8.782	(0.991)	441420	119.815	119.815
*	28 Naphthalene-d8	136.00	8.860	(1.000)	442563	40.000	
	29 Naphthalene	128.00	8.896	(1.004)	1437641	118.563	118.563

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.010	(1.017)	670464	122.449	122.449
	31 Hexachlorobutadiene	225.00	9.082	(1.025)	242138	119.824	119.824
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.113)	490467	121.441	121.441
	33 2-Methylnaphthalene	142.00	10.003	(1.129)	887759	118.603	118.603
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	249497	126.365	126.365
	35 2,4,6-Trichlorophenol	196.00	10.553	(0.883)	265996	120.747	120.747
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.890)	319915	124.736	124.736
$	37 2-Fluorobiphenyl	172.00	10.682	(0.894)	982039	116.994	116.994
	38 2-Chloronaphthalene	162.00	10.882	(0.910)	858968	117.418	117.418
	39 2-Nitroaniline	138.00	11.132	(0.931)	412886	122.333	122.333
	40 Dimethylphthalate	163.00	11.510	(0.963)	1061005	117.907	117.907
	41 Acenaphthylene	152.00	11.675	(0.977)	1399086	118.575	118.575
	42 2,6-Dinitrotoluene	165.00	11.617	(0.972)	253915	120.778	120.778
	43 3-Nitroaniline	138.00	11.967	(1.001)	317976	124.971	124.971
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	220601	40.000	
	45 Acenaphthene	152.00	12.032	(1.007)	402140	116.879	116.879
	46 2,4-Dinitrophenol	184.00	12.167	(1.018)	142888	126.087	126.087
	47 4-Nitrophenol	109.00	12.503	(1.046)	128329	127.661	127.661
	48 Dibenzofuran	168.00	12.396	(1.037)	1218645	118.257	118.257
	49 2,4-Dinitrotoluene	165.00	12.439	(1.041)	347838	122.357	122.357
	50 Fluorene	166.00	13.124	(1.098)	911379	117.194	117.194
	51 Diethylphthalate	149.00	13.010	(1.088)	1028375	115.235	115.235
	52 4-Chlorophenyl-phenylether	204.00	13.174	(1.102)	455351	118.503	118.503
	53 4-Nitroaniline	138.00	13.296	(1.112)	314479	125.188	125.188
	54 4,6-Dinitro-o-cresol	198.00	13.324	(0.877)	199755	140.600	140.600
	55 N-nitrosodiphenylamine (1)	169.00	13.467	(0.887)	632123	119.297	119.297
	56 Azobenzene	77.00	13.517	(1.888)	1243337	115.846	115.846
$	57 2,4,6-Tribromophenol	330.00	13.667	(1.143)	144969	119.980	119.980
	58 4-Bromophenyl-phenylether	248.00	14.246	(0.938)	230185	121.222	121.222
	59 Hexachlorobenzene	284.00	14.317	(0.943)	265701	123.817	123.817
	60 Pentachlorophenol	266.00	14.832	(0.976)	152619	132.297	132.297
*	61 Phenanthrene-d10	188.00	15.189	(1.000)	321783	40.000	
	62 Phenanthrene	178.00	15.253	(1.004)	1236765	121.306	121.306
	63 Anthracene	178.00	15.367	(1.012)	1234669	122.113	122.113
	64 Di-n-butylphthalate	149.00	16.774	(1.104)	1691911	119.435	119.435
	65 Fluoranthene	202.00	18.010	(1.186)	1233626	123.542	123.542
	66 Benzidine	184.00	18.446	(2.576)	283791	118.424	118.424
	67 Pyrene	202.00	18.524	(0.865)	1257309	115.828	115.828
$	68 Terphenyl-d14	244.00	19.031	(0.889)	798098	115.944	115.944
	69 Butylbenzylphthalate	149.00	20.310	(0.949)	727377	118.979	118.979
	70 Benzo(a)anthracene	228.00	21.389	(0.999)	1051762	122.622	122.622
*	71 Chrysene-d12	240.00	21.410	(1.000)	228811	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.446	(1.002)	397049	129.090	129.090
	73 Chrysene	228.00	21.481	(1.003)	898359	121.458	121.458
	74 bis(2-Ethylhexyl)phthalate	149.00	21.760	(1.016)	987921	119.175	119.175
	75 Di-n-octylphthalate	149.00	23.246	(0.948)	1712143	120.832	120.832
	76 Benzo(b)fluoranthene	252.00	23.788	(0.970)	1040196	131.370	131.370
	77 Benzo(k)fluoranthene	252.00	23.853	(0.972)	945834	132.197	132.197
	78 Benzo(a)pyrene	252.00	24.438	(0.996)	914307	133.057	133.057

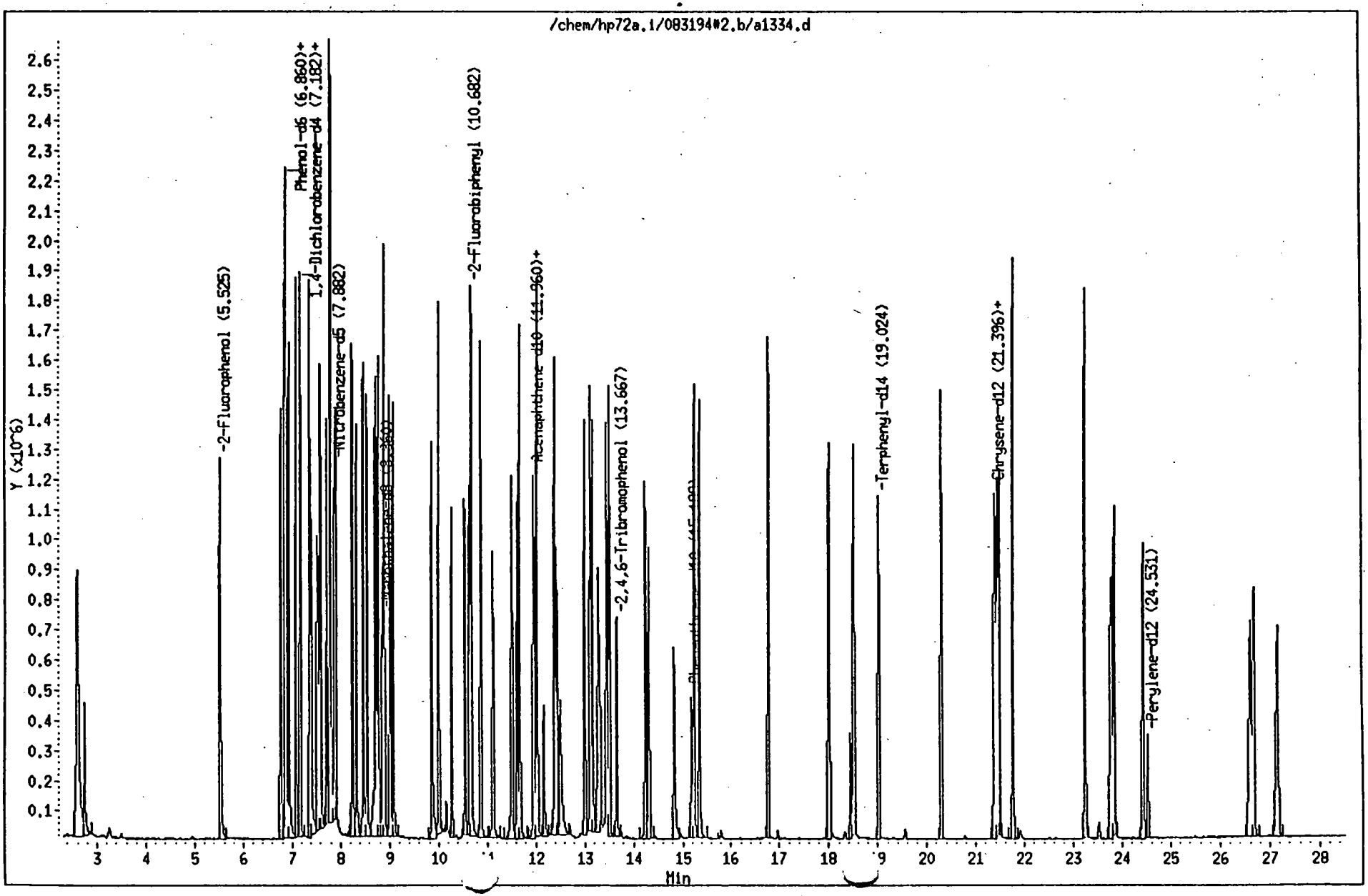
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.531	(1.000)	216525	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.610	(1.085)	875133	134.053	134.053
81 Dibenzo(a,h)anthracene	278.00	26.681	(1.088)	827577	134.530	134.530
82 Benzo(g,h,i)perylene	276.00	27.167	(1.107)	874788	133.909	133.909

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
  - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1334.d
Date : 01-SEP-94 05:41
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000222



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1335.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 06:18 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD160
Misc Info : SSTD160
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:39 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.652	(0.370)	657576	156.018	156.018
	2 Pyridine	79.00	2.673	(0.000)	1705457	152.157	152.157(QM)
$	3 2-Fluorophenol	112.00	5.537	(0.773)	1224823	146.306	146.306
$	4 Phenol-d6	99.00	6.873	(0.959)	1057336	136.980	136.980
	5 Aniline	93.00	6.780	(0.946)	1682445	147.606	147.606
	6 Phenol	94.00	6.894	(0.962)	1266031	131.618	131.618(M)
	7 bis(-2-Chloroethyl)Ether	93.00	6.866	(0.958)	1097802	141.915	141.915
	8 2-Chlorophenol	128.00	6.951	(0.970)	1070436	144.229	144.229
	9 1,3-Dichlorobenzene	146.00	7.094	(0.990)	990379	131.323	131.323
	1 1,4-Dichlorobenzene-d4	152.00	7.166	(1.000)	189921	40.000	
	11 1,4-Dichlorobenzene	146.00	7.187	(1.003)	933338	128.003	128.003
	12 Benzyl alcohol	108.00	7.430	(1.037)	742707	153.391	153.391
	13 1,2-Dichlorobenzene	146.00	7.373	(1.029)	904234	127.546	127.546
	14 2-Methylphenol	108.00	7.601	(1.061)	969238	143.197	143.197
	15 Bis(2-chloroisopropyl)ether	45.00	7.544	(1.053)	1422880	147.538	147.538
	16 3- & 4-Methylphenol	108.00	7.823	(1.092)	1601651	267.960	267.960(AM)
	17 N-Nitroso-di-n-propylamine	70.00	7.751	(1.075)	936522	151.146	151.146(QMH)
	18 Hexachloroethane	117.00	7.794	(1.088)	337066	125.137	125.137
$	19 Nitrobenzene-d5	82.00	7.894	(0.890)	1212224	146.366	146.366
	20 Nitrobenzene	77.00	7.923	(0.894)	1196036	148.093	148.093
	21 Isophorone	82.00	8.273	(0.933)	2552794	153.158	153.158
	22 2-Nitrophenol	139.00	8.344	(0.941)	791702	157.270	157.270
	23 2,4-Dimethyphenol	122.00	8.480	(0.956)	824295	143.282	143.282
	24 bis(-2-Chloroethoxy)methane	93.00	8.566	(0.966)	1466976	147.406	147.406
	25 Benzoic Acid	122.00	8.823	(1.223)	735439	195.847	195.847(QMH)
	26 2,4-Dichlorophenol	162.00	8.730	(0.985)	730265	140.414	140.414
	27 1,2,4-Trichlorobenzene	180.00	8.787	(0.991)	766290	135.126	135.126
*	28 Naphthalene-d8	136.00	8.866	(1.000)	681222	40.000	
	29 Naphthalene	128.00	8.901	(1.004)	2454771	131.522	131.522

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.023	(1.018)	1157990	137.395	137.395
	31 Hexachlorobutadiene	225.00	9.087	(1.025)	438491	140.971	140.971
	32 4-Chloro-3-Methylphenol	107.00	9.873	(1.114)	923868	148.612	148.612
	33 2-Methylnaphthalene	142.00	10.016	(1.130)	1598765	138.762	138.762
	34 Hexachlorocyclopentadiene	237.00	10.280	(0.859)	484654	168.373	168.373
	35 2,4,6-Trichlorophenol	196.00	10.559	(0.882)	529248	164.794	164.794
	36 2,4,5-Trichlorphenol	196.00	10.651	(0.890)	563015	150.576	150.576
$	37 2-Fluorobiphenyl	172.00	10.694	(0.894)	1725779	141.027	141.027
	38 2-Chloronaphthalene	162.00	10.887	(0.910)	1585217	148.636	148.636
	39 2-Nitroaniline	138.00	11.151	(0.932)	822821	167.224	167.224
	40 Dimethylphthalate	163.00	11.530	(0.964)	2096467	159.805	159.805
	41 Acenaphthylene	152.00	11.694	(0.977)	2548834	148.173	148.173
	42 2,6-Dinitrotoluene	165.00	11.644	(0.973)	477803	155.894	155.894
	43 3-Nitroaniline	138.00	11.994	(1.002)	604541	162.975	162.975
*	44 Acenaphthene-d10	164.00	11.966	(1.000)	321609	40.000	
	45 Acenaphthene	152.00	12.051	(1.007)	736421	146.813	146.813
	46 2,4-Dinitrophenol	184.00	12.194	(1.019)	360122	248.477	248.477(A)
	47 4-Nitrophenol	109.00	12.537	(1.048)	294813	199.544	199.544
	48 Dibenzofuran	168.00	12.408	(1.037)	2208674	147.015	147.015
	49 2,4-Dinitrotoluene	165.00	12.466	(1.042)	674291	162.697	162.697
	50 Fluorene	166.00	13.137	(1.098)	1689925	149.057	149.057
	51 Diethylphthalate	149.00	13.037	(1.090)	2051778	157.704	157.704
	52 4-Chlorophenyl-phenylether	204.00	13.187	(1.102)	832656	148.637	148.637
	53 4-Nitroaniline	138.00	13.344	(1.115)	480149	131.108	131.108
	54 4,6-Dinitro-o-cresol	198.00	13.358	(0.879)	450094	188.956	188.956(M)
	55 N-nitrosodiphenylamine (1)	169.00	13.487	(0.887)	1260610	147.679	147.679
	56 Azobenzene	77.00	13.537	(1.889)	2485995	154.053	154.053
$	57 2,4,6-Tribromophenol	330.00	13.680	(1.143)	296462	168.299	168.299
	58 4-Bromophenyl-phenylether	248.00	14.258	(0.938)	453283	148.179	148.179
	59 Hexachlorobenzene	284.00	14.337	(0.943)	502033	145.221	145.221
	60 Pentachlorophenol	266.00	14.844	(0.977)	337421	211.388	211.388(A)
*	61 Phenanthrene-d10	188.00	15.201	(1.000)	518386	40.000	
	62 Phenanthrene	178.00	15.266	(1.004)	2366230	144.066	144.066
	63 Anthracene	178.00	15.387	(1.012)	2327734	142.907	142.907
	64 Di-n-butylphthalate	149.00	16.787	(1.104)	3251175	142.464	142.464
	65 Fluoranthene	202.00	18.030	(1.186)	2290915	142.413	142.413
	66 Benzidine	184.00	18.458	(2.576)	484922	134.584	134.584
	67 Pyrene	202.00	18.544	(0.865)	2292137	160.740	160.740
$	68 Terphenyl-d14	244.00	19.044	(0.889)	1425194	157.608	157.608
	69 Butylbenzylphthalate	149.00	20.315	(0.948)	1245711	155.110	155.110
	70 Benzo(a)anthracene	228.00	21.408	(0.999)	1783434	158.277	158.277
*	71 Chrysene-d12	240.00	21.430	(1.000)	300585	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.458	(1.001)	589984	146.016	146.016
	73 Chrysene	228.00	21.501	(1.003)	1406479	144.750	144.750
	74 bis(2-Ethylhexyl)phthalate	149.00	21.773	(1.016)	1603125	147.210	147.210
	75 Di-n-octylphthalate	149.00	23.258	(0.948)	2668173	114.808	114.808
	76 Benzo(b)fluoranthene	252.00	23.808	(0.970)	1785248	137.467	137.467
	77 Benzo(k)fluoranthene	252.00	23.865	(0.973)	1481791	122.266	122.266(M)
	78 Benzo(a)pyrene	252.00	24.451	(0.997)	1366004	121.204	121.204

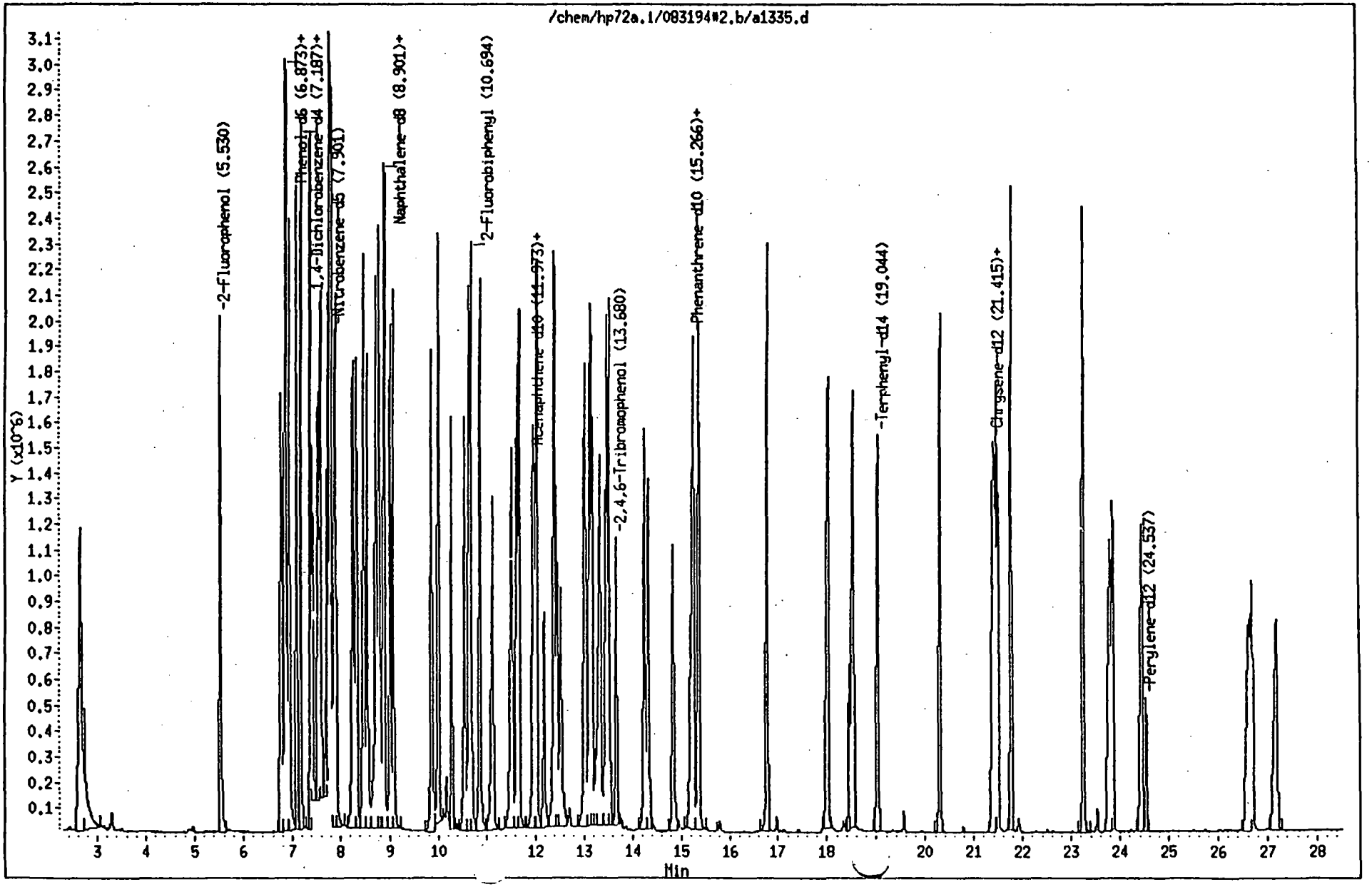
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.537	(1.000)	355132	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.630	(1.085)	1396872	130.460	130.460
81 Dibenzo(a,h)anthracene	278.00	26.694	(1.088)	1199347	118.871	118.871
82 Benzo(g,h,i)perylene	276.00	27.187	(1.108)	1299706	121.303	121.303

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
  - Operator selected an alternate compound hit.

0000226

Data File: /chem/hp72a.i/083194#2.b/a1335.d
Date : 01-SEP-94 06:18
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

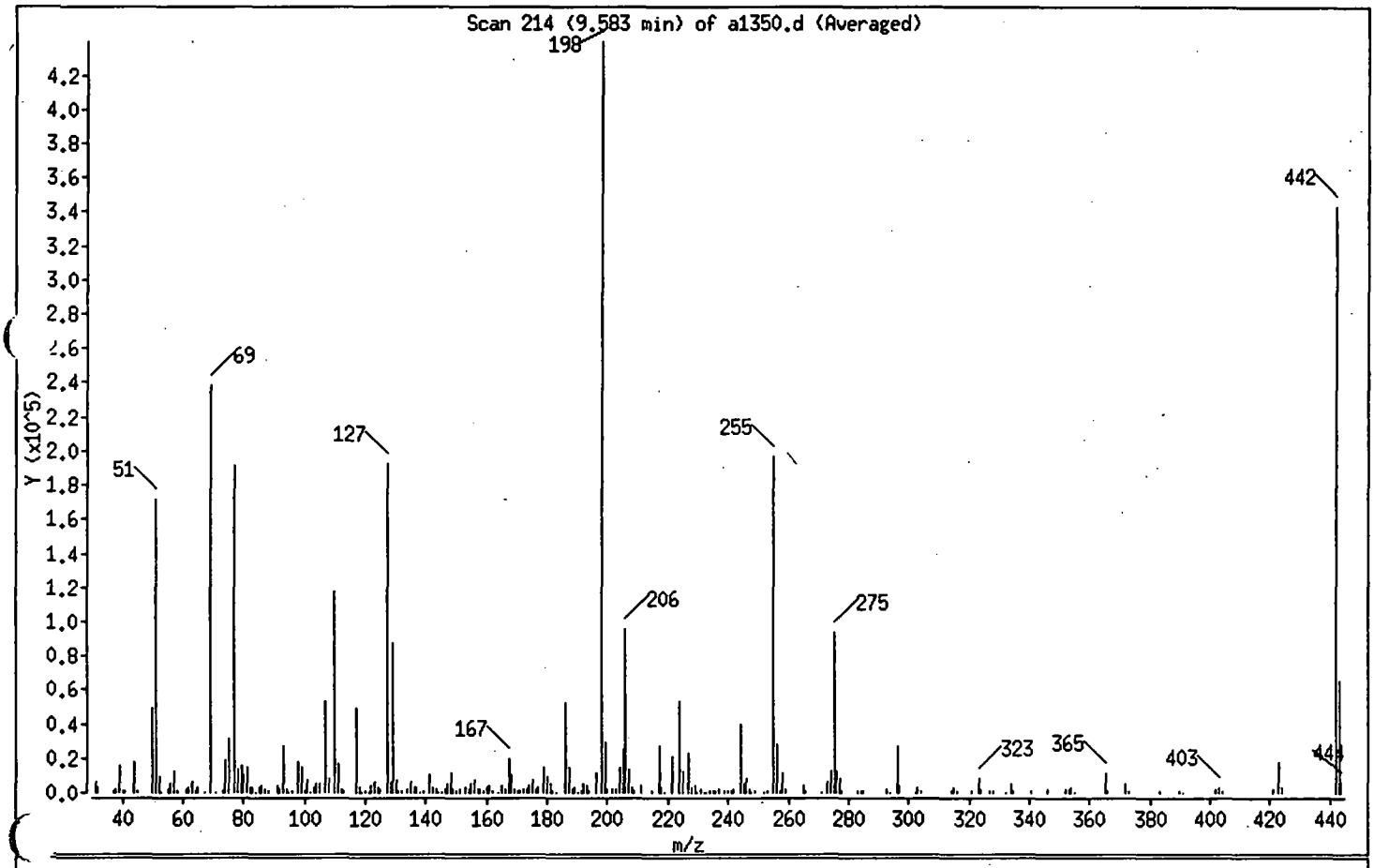
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	39.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	54.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	21.3
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	78.3
443	17.00 - 23.00% of mass 442	18.9

Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207

Location of Maximum: 198.00

Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6443	117.00	48522	181.00	4706	258.00	11826
37.00	1002	118.00	3444	182.00	857	259.00	1927
38.00	2467	119.00	371	183.00	213	265.00	4386
39.00	15566	120.00	758	186.00	52232	266.00	645
40.00	705	121.00	193	187.00	14978	271.00	200
41.00	209	122.00	3835	188.00	1755	273.00	6369
45.00	50	123.00	6324	189.00	3360	274.00	12797
50.00	48674	124.00	3106	190.00	476	275.00	93736
51.00	171858	125.00	2263	191.00	1196	276.00	12248
52.00	8965	127.00	192981	192.00	5092	277.00	7909
53.00	219	128.00	6272	193.00	4683	278.00	1325
55.00	769	129.00	87472	194.00	1116	283.00	923
56.00	5725	130.00	6859	196.00	11623	284.00	595
57.00	12093	131.00	1334	198.00	439381	285.00	1326
58.00	589	132.00	638	199.00	29322	293.00	1683
61.00	2451	134.00	2490	200.00	2230	294.00	169
62.00	2785	135.00	6457	202.00	1879	296.00	27021
63.00	6566	136.00	2625	203.00	2188	297.00	3755
64.00	980	137.00	3240	204.00	14100	302.00	450
65.00	3485	138.00	178	205.00	25354	303.00	3126
67.00	170	139.00	643	206.00	95976	304.00	846
69.00	238144	141.00	10590	207.00	13206	314.00	846
71.00	511	142.00	3259	208.00	3323	315.00	2757
73.00	1009	143.00	2197	209.00	1242	316.00	1452
74.00	18635	144.00	441	211.00	4154	321.00	792
75.00	30960	145.00	445	215.00	1196	323.00	8600
77.00	191509	146.00	1921	217.00	26552	324.00	1662
78.00	13636	147.00	5021	218.00	3549	327.00	1458
79.00	15342	148.00	11736	219.00	183	328.00	858
80.00	10528	149.00	2376	221.00	20701	332.00	487
81.00	14717	150.00	743	224.00	52696	334.00	5456
82.00	3319	151.00	1814	225.00	12433	335.00	1516
83.00	3345	153.00	3368	227.00	23266	341.00	899
84.00	219	154.00	2434	228.00	3150	346.00	1710
85.00	2857	155.00	5204	229.00	4439	352.00	2406

Data File: /chem/hp72a.i/090194.b/a1350.d
Date : 01-SEP-94 16:01
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207
Location of Maximum: 198.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4447	156.00	7272	230.00	405	353.00	1755
87.00	1830	157.00	1576	231.00	1727	354.00	2614
88.00	641	158.00	2108	232.00	171	355.00	231
91.00	3728	159.00	1289	233.00	202	365.00	11802
92.00	2465	160.00	3183	234.00	1402	366.00	1372
93.00	27117	161.00	4583	235.00	1544	372.00	4687
94.00	1941	162.00	1218	236.00	837	373.00	1162
95.00	455	164.00	251	237.00	1603	383.00	1248
96.00	1198	165.00	3662	239.00	966	390.00	687
98.00	18151	166.00	2031	240.00	778	391.00	337
99.00	14665	167.00	19375	241.00	1305	402.00	1864
100.00	1005	168.00	10612	242.00	2475	403.00	2948
101.00	7292	169.00	1729	244.00	39661	404.00	1049
102.00	355	170.00	739	245.00	5546	421.00	2457
103.00	2662	171.00	956	246.00	7934	423.00	17827
104.00	5371	172.00	1581	247.00	1630	424.00	3575
105.00	4973	173.00	2476	248.00	181	442.00	343957
107.00	53133	174.00	4394	249.00	1366	443.00	65152
108.00	8276	175.00	6988	252.00	167	444.00	6026
110.00	117658	176.00	2209	253.00	916		
111.00	17116	177.00	3551	255.00	196522		
112.00	2172	179.00	14641	256.00	28469		
113.00	596	180.00	9751	257.00	1040		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.919	0.010	3.5	500.0
	2 Pyridine	2.361	2.424	0.010	2.7	500.0
$	3 2-Fluorophenol	1.763	1.847	0.010	4.8	500.0
$	4 Phenol-d6	1.626	1.730	0.010	6.4	500.0
	5 Aniline	2.401	2.547	0.010	6.1	500.0
	6 Phenol	2.026	2.133	0.010	5.3	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.701	0.010	4.4	500.0
	8 2-Chlorophenol	1.563	1.651	0.010	5.6	500.0
	9 1,3-Dichlorobenzene	1.588	1.717	0.010	8.1	500.0
	11 1,4-Dichlorobenzene	1.536	1.668	0.010	8.6	30.0
	12 Benzyl alcohol	1.020	1.079	0.010	5.8	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.3	500.0
	14 2-Methylphenol	1.426	1.459	0.010	2.3	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.308	0.010	3.9	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.346	0.050	3.2	500.0
	18 Hexachloroethane	0.567	0.583	0.010	2.8	500.0
$	19 Nitrobenzene-d5	0.486	0.532	0.010	9.4	500.0
	20 Nitrobenzene	0.474	0.526	0.010	10.9	500.0
	21 Isophorone	0.979	0.943	0.010	3.6	500.0
	22 2-Nitrophenol	0.296	0.323	0.010	9.3	30.0
	23 2,4-Dimethyphenol	0.338	0.365	0.010	8.1	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.621	0.010	6.3	500.0
	25 Benzoic Acid	0.791	0.795	0.010	0.5	500.0
	26 2,4-Dichlorophenol	0.305	0.340	0.010	11.2	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.374	0.010	12.2	500.0
	29 Naphthalene	1.096	1.192	0.010	8.8	500.0
	30 4-Chloroaniline	0.495	0.534	0.010	8.0	500.0
	31 Hexachlorobutadiene	0.183	0.204	0.010	11.8	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.383	0.010	4.8	30.0
	33 2-Methylnaphthalene	0.677	0.738	0.010	9.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.381	0.050	6.3	500.0
	35 2,4,6-Trichlorophenol	0.399	0.420	0.010	5.0	30.0
	36 2,4,5-Trichlorphenol	0.465	0.504	0.010	8.3	500.0
$	37 2-Fluorobiphenyl	1.522	1.630	0.010	7.1	500.0
	38 2-Chloronaphthalene	1.326	1.408	0.010	6.1	500.0
	39 2-Nitroaniline	0.612	0.634	0.010	3.7	500.0
	40 Dimethylphthalate	1.632	1.677	0.010	2.8	500.0
	41 Acenaphthylene	2.139	2.284	0.010	6.8	500.0
	42 2,6-Dinitrotoluene	0.381	0.415	0.010	8.9	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.456	0.010	1.1	500.0
	45 Acenaphthene	0.624	0.651	0.010	4.4	30.0
	46 2,4-Dinitrophenol	0.209	0.172	0.050	17.5	500.0
	47 4-Nitrophenol	0.184	0.173	0.050	6.1	500.0
	48 Dibenzofuran	1.869	1.958	0.010	4.8	500.0
	49 2,4-Dinitrotoluene	0.515	0.543	0.010	5.3	500.0
	50 Fluorene	1.410	1.440	0.010	2.1	500.0
	51 Diethylphthalate	1.618	1.668	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.733	0.010	5.2	500.0
	53 4-Nitroaniline	0.455	0.455	0.010	0.0	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.192	0.010	4.3	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.688	0.010	4.5	30.0
	56 Azobenzene	3.399	3.410	0.010	0.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.229	0.010	4.4	500.0
	58 4-Bromophenyl-phenylether	0.236	0.255	0.010	8.1	500.0
	59 Hexachlorobenzene	0.267	0.285	0.010	6.8	500.0
	60 Pentachlorophenol	0.143	0.124	0.010	13.3	30.0
	62 Phenanthrene	1.267	1.295	0.010	2.2	500.0
	63 Anthracene	1.257	1.332	0.010	6.0	500.0
	64 Di-n-butylphthalate	1.761	1.865	0.010	5.9	500.0
	65 Fluoranthene	1.241	1.271	0.010	2.4	30.0
	66 Benzidine	0.759	0.744	0.010	2.0	500.0
	67 Pyrene	1.898	2.037	0.010	7.3	500.0
$	68 Terphenyl-d14	1.203	1.316	0.010	9.3	500.0
	69 Butylbenzylphthalate	1.069	1.154	0.010	7.9	500.0
	70 Benzo(a)anthracene	1.499	1.569	0.010	4.6	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.573	0.010	6.6	500.0
	73 Chrysene	1.293	1.379	0.010	6.6	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.564	0.010	7.9	500.0
	75 Di-n-octylphthalate	2.618	3.371	0.010	28.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.723	0.010	17.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.666	0.010	22.1	500.0
	78 Benzo(a)pyrene	1.269	1.551	0.010	22.2	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.432	0.010	18.7	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.398	0.010	23.0	500.0
	82 Benzo(g,h,i)perylene	1.207	1.399	0.010	15.9	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1351.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 16:21 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 01-Sep-1994 16:53
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

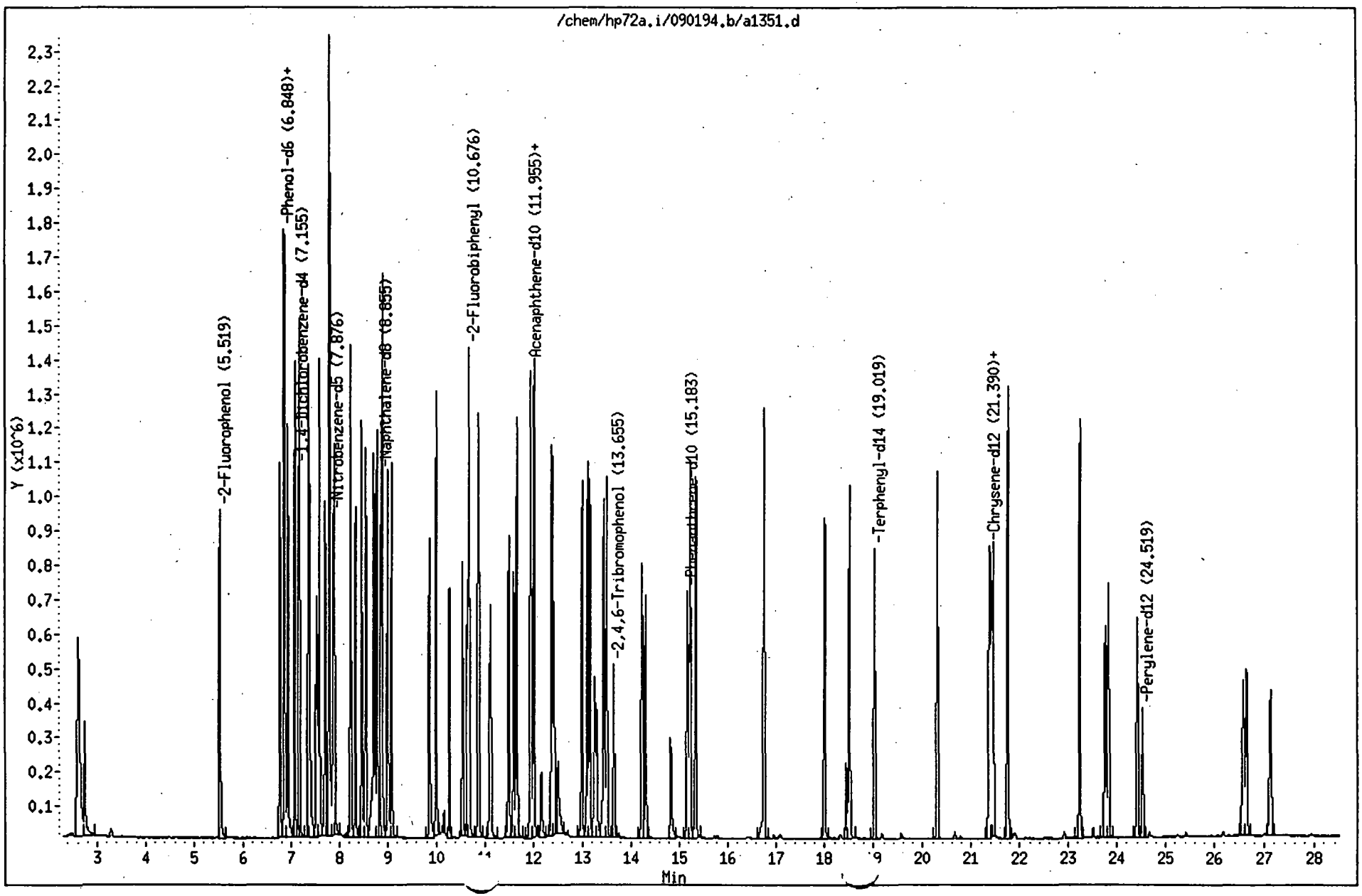
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.598	(0.363)	237937	51.770	51.770
	2 Pyridine	79.00	2.619	(0.366)	627523	51.342	51.342
$	3 2-Fluorophenol	112.00	5.519	(0.771)	478155	52.378	52.378
$	4 Phenol-d6	99.00	6.848	(0.957)	447975	53.222	53.222
	5 Aniline	93.00	6.762	(0.945)	659484	53.059	53.059
	6 Phenol	94.00	6.862	(0.959)	552291	52.654	52.654
	7 bis(-2-Chloroethyl)Ether	93.00	6.848	(0.957)	440326	52.200	52.200
	8 2-Chlorophenol	128.00	6.933	(0.969)	427280	52.795	52.795
	9 1,3-Dichlorobenzene	146.00	7.076	(0.989)	444403	54.039	54.039
	10 1,4-Dichlorobenzene-d4	152.00	7.155	(1.000)	207101	40.000	
	11 1,4-Dichlorobenzene	146.00	7.176	(1.003)	431776	54.304	54.304
	12 Benzyl alcohol	108.00	7.390	(1.033)	279407	52.919	52.919
	13 1,2-Dichlorobenzene	146.00	7.362	(1.029)	418768	54.169	54.169
	14 2-Methylphenol	108.00	7.583	(1.060)	377688	51.171	51.171
	15 Bis(2-chloroisopropyl)ether	45.00	7.526	(1.052)	547303	52.042	52.042
	16 3- & 4-Methylphenol	108.00	7.790	(1.089)	677130	103.888	103.888
	17 N-Nitroso-di-n-propylamine	70.00	7.712	(1.078)	348540	51.585	51.585
	18 Hexachloroethane	117.00	7.783	(1.088)	151032	51.420	51.420
$	19 Nitrobenzene-d5	82.00	7.876	(0.889)	469753	54.720	54.720
	20 Nitrobenzene	77.00	7.898	(0.892)	464313	55.465	55.465
	21 Isophorone	82.00	8.233	(0.930)	832315	48.176	48.176
	22 2-Nitrophenol	139.00	8.326	(0.940)	285264	54.670	54.670
	23 2,4-Dimethyphenol	122.00	8.455	(0.955)	322178	54.028	54.028
	24 bis(-2-Chloroethoxy)methane	93.00	8.540	(0.965)	548363	53.159	53.159
	25 Benzoic Acid	122.00	8.733	(1.221)	205857	50.272	50.272
	26 2,4-Dichlorophenol	162.00	8.712	(0.984)	299674	55.590	55.590
	27 1,2,4-Trichlorobenzene	180.00	8.776	(0.991)	329734	56.095	56.095
*	28 Naphthalene-d8	136.00	8.855	(1.000)	706108	40.000	
	29 Naphthalene	128.00	8.890	(1.004)	1052169	54.386	54.386

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.005	(1.017)	471698	53.994	53.994
	31 Hexachlorobutadiene	225.00	9.083	(1.026)	180273	55.914	55.914
	32 4-Chloro-3-Methylphenol	107.00	9.855	(1.113)	337778	52.419	52.419
	33 2-Methylnaphthalene	142.00	9.998	(1.129)	651236	54.531	54.531
	34 Hexachlorocyclopentadiene	237.00	10.276	(0.860)	168155	53.143	53.143
	35 2,4,6-Trichlorophenol	196.00	10.540	(0.882)	185406	52.517	52.517
	36 2,4,5-Trichlorphenol	196.00	10.640	(0.890)	222645	54.168	54.168
$	37 2-Fluorobiphenyl	172.00	10.676	(0.893)	720421	53.555	53.555
	38 2-Chloronaphthalene	162.00	10.869	(0.909)	622128	53.066	53.066
	39 2-Nitroaniline	138.00	11.119	(0.930)	280381	51.837	51.837
	40 Dimethylphthalate	163.00	11.505	(0.962)	741138	51.393	51.393
	41 Acenaphthylene	152.00	11.669	(0.976)	1009374	53.380	53.380
	42 2,6-Dinitrotoluene	165.00	11.605	(0.971)	183478	54.458	54.458
	43 3-Nitroaniline	138.00	11.955	(1.000)	201562	49.431	49.431
*	44 Acenaphthene-d10	164.00	11.955	(1.000)	353533	40.000	
	45 Acenaphthene	152.00	12.026	(1.006)	287802	52.195	52.195
	46 2,4-Dinitrophenol	184.00	12.162	(1.017)	76124	41.250	41.250
	47 4-Nitrophenol	109.00	12.497	(1.045)	76262	46.957	46.957
	48 Dibenzofuran	168.00	12.383	(1.036)	865473	52.406	52.406
	49 2,4-Dinitrotoluene	165.00	12.426	(1.039)	239883	52.654	52.654
	50 Fluorene	166.00	13.112	(1.097)	636373	51.062	51.062
	51 Diethylphthalate	149.00	12.997	(1.087)	737124	51.541	51.541
	52 4-Chlorophenyl-phenylether	204.00	13.162	(1.101)	323779	52.579	52.579
	53 4-Nitroaniline	138.00	13.269	(1.110)	201256	49.992	49.992
	54 4,6-Dinitro-o-cresol	198.00	13.305	(0.876)	124461	52.133	52.133
	55 N-nitrosodiphenylamine (1)	169.00	13.447	(0.886)	446897	52.236	52.236
	56 Azobenzene	77.00	13.512	(1.888)	882829	50.169	50.169
$	57 2,4,6-Tribromophenol	330.00	13.655	(1.142)	101082	52.202	52.202
	58 4-Bromophenyl-phenylether	248.00	14.240	(0.938)	165719	54.052	54.052
	9 Hexachlorobenzene	284.00	14.312	(0.943)	184937	53.376	53.376
	o0 Pentachlorophenol	266.00	14.826	(0.976)	80741	43.349	43.349
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	519552	40.000	
	62 Phenanthrene	178.00	15.240	(1.004)	840917	51.084	51.084
	63 Anthracene	178.00	15.355	(1.011)	865012	52.987	52.987
	64 Di-n-butylphthalate	149.00	16.769	(1.104)	1211097	52.950	52.950
	65 Fluoranthene	202.00	17.997	(1.185)	825626	51.209	51.209
	66 Benzidine	184.00	18.440	(2.577)	192487	48.991	48.991
	67 Pyrene	202.00	18.512	(0.865)	824074	53.667	53.667
$	68 Terphenyl-d14	244.00	19.019	(0.889)	532325	54.669	54.669
	69 Butylbenzylphthalate	149.00	20.297	(0.948)	466724	53.969	53.969
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	634767	52.316	52.316
*	71 Chrysene-d12	240.00	21.404	(1.000)	323674	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.433	(1.001)	231946	53.310	53.310
	73 Chrysene	228.00	21.461	(1.003)	557778	53.310	53.310
	74 bis(2-Ethylhexyl)phthalate	149.00	21.754	(1.016)	632918	53.973	53.973
	75 Di-n-octylphthalate	149.00	23.233	(0.948)	1054628	64.385	64.385
	76 Benzo(b)fluoranthene	252.00	23.769	(0.969)	539090	58.896	58.896
	77 Benzo(k)fluoranthene	252.00	23.826	(0.972)	521371	61.037	61.037
	78 Benzo(a)pyrene	252.00	24.411	(0.996)	485348	61.100	61.100

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.519	(1.000)	250302	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.583	(1.084)	448003	59.364	59.364
81 Dibenzo(a,h)anthracene	278.00	26.647	(1.087)	437413	61.510	61.510
82 Benzo(g,h,i)perylene	276.00	27.133	(1.107)	437712	57.962	57.962

Data File: /chem/hp72a.i/090194.b/a1351.d
Date : 01-SEP-94 16:21
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000235



Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

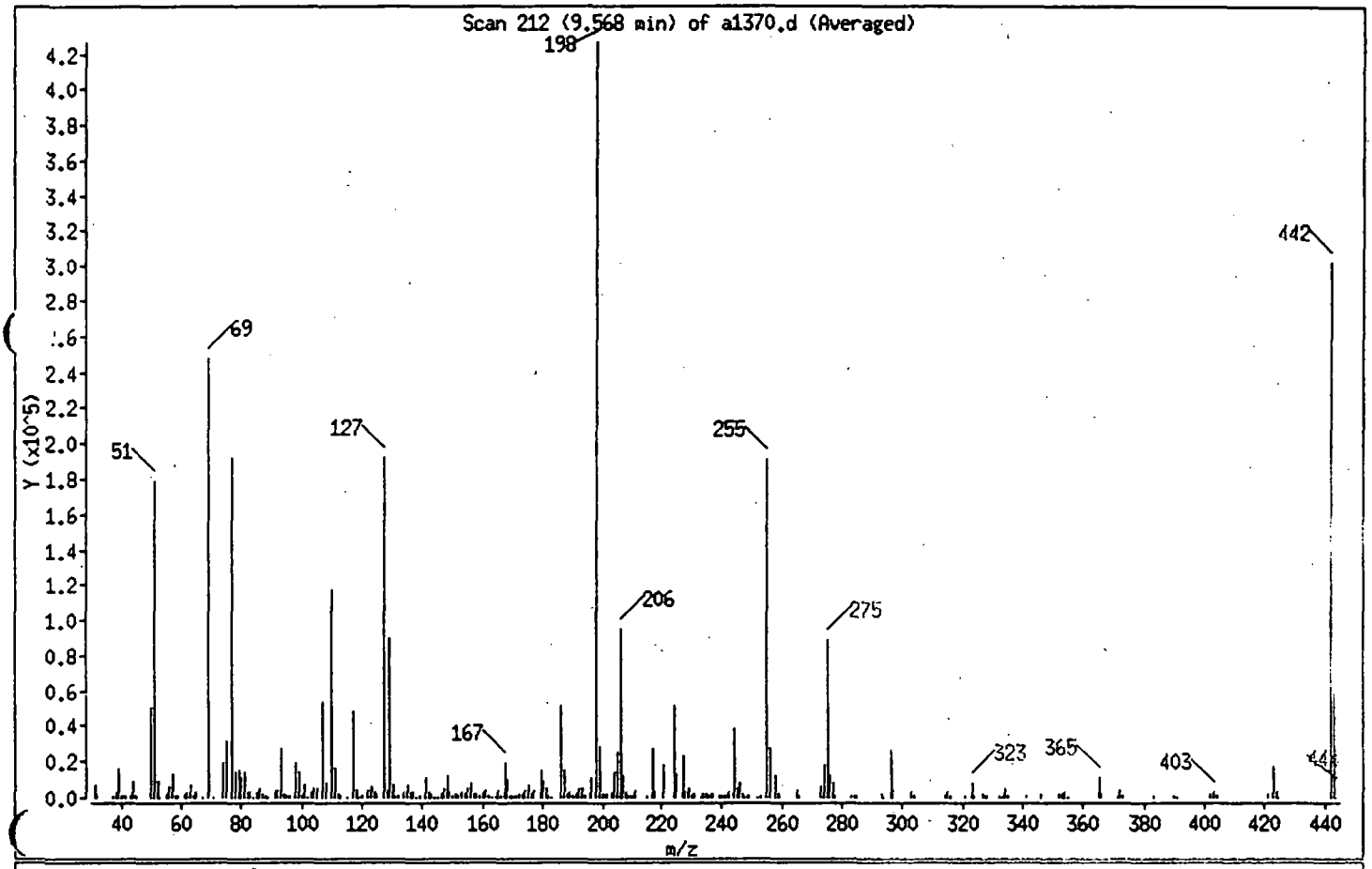
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	57.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.6
275	10.00 - 30.00% of mass 198	20.8
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	70.8
443	17.00 - 23.00% of mass 442	19.4

Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	7225	115.00	201	179.00	15369	258.00	11892
37.00	1103	117.00	48714	180.00	9570	259.00	1853
38.00	2844	118.00	3669	181.00	4556	265.00	4406
39.00	15518	119.00	171	182.00	559	266.00	695
40.00	814	120.00	746	183.00	170	273.00	5689
41.00	145	122.00	4331	186.00	52005	274.00	18194
45.00	28	123.00	6003	187.00	14836	275.00	88944
50.00	50509	124.00	3149	188.00	1691	276.00	11901
51.00	179413	125.00	2434	189.00	3460	277.00	7896
52.00	9359	127.00	192064	190.00	572	278.00	1232
53.00	181	128.00	4483	191.00	2064	283.00	737
55.00	1086	129.00	90061	192.00	4967	284.00	630
56.00	6262	130.00	7394	193.00	5050	285.00	1238
57.00	12233	131.00	1425	194.00	1042	293.00	1890
58.00	530	132.00	776	196.00	10892	294.00	167
61.00	2341	134.00	2607	198.00	426666	296.00	25930
62.00	2638	135.00	6678	199.00	28368	297.00	3573
63.00	6909	136.00	2528	200.00	2159	303.00	2730
64.00	1078	137.00	3139	202.00	1598	304.00	766
65.00	3366	138.00	361	203.00	3207	314.00	1177
67.00	395	139.00	681	204.00	14297	315.00	3036
69.00	246998	141.00	10693	205.00	25120	316.00	1473
71.00	173	142.00	3478	206.00	94890	321.00	858
74.00	19184	143.00	2366	207.00	12052	323.00	7927
75.00	31458	144.00	435	208.00	3426	324.00	1479
77.00	192277	145.00	378	209.00	1184	327.00	1565
78.00	14046	146.00	2067	210.00	1449	328.00	886
79.00	15616	147.00	5390	211.00	4217	332.00	737
80.00	11127	148.00	12524	215.00	1227	333.00	295
81.00	13912	149.00	2610	217.00	26970	334.00	5389
82.00	3401	150.00	533	218.00	3496	335.00	1373
83.00	3308	151.00	1541	221.00	18029	341.00	965
84.00	359	152.00	633	224.00	51957	346.00	1888
85.00	3390	153.00	3324	225.00	13338	352.00	2402
86.00	4710	154.00	2394	227.00	23725	353.00	1761

Data File: /chem/hp72a.i/090294.b/a1370.d
Date : 02-SEP-94 07:54
Instrument : hp72a.i
Sample ID :
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1936	155.00	5318	228.00	3106	354.00	2589
88.00	811	156.00	8045	229.00	4853	355.00	180
89.00	168	157.00	1757	230.00	712	365.00	11617
91.00	3638	158.00	2022	231.00	1970	366.00	1750
92.00	4304	159.00	1499	233.00	184	371.00	216
93.00	27162	160.00	3418	234.00	1547	372.00	4173
94.00	1914	161.00	4500	235.00	1613	373.00	1098
95.00	711	162.00	1303	236.00	987	383.00	1144
96.00	1121	163.00	167	237.00	1569	390.00	654
98.00	19047	164.00	243	239.00	913	391.00	180
99.00	14106	165.00	4155	240.00	752	402.00	1821
100.00	1359	166.00	933	241.00	1237	403.00	2548
101.00	7239	167.00	18792	242.00	2602	404.00	944
102.00	261	168.00	10342	244.00	38893	421.00	2234
103.00	2678	169.00	1502	245.00	5435	423.00	16737
104.00	4850	170.00	660	246.00	8149	424.00	3128
105.00	4796	171.00	729	247.00	1695	425.00	192
107.00	53469	172.00	1783	248.00	176	442.00	301888
108.00	8447	173.00	2304	249.00	1282	443.00	58445
110.00	117309	174.00	4027	252.00	178	444.00	5531
111.00	16013	175.00	7068	253.00	1108		
112.00	2263	176.00	2033	255.00	191488		
113.00	744	177.00	3705	256.00	27688		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.937	0.010	5.6	500.0
	2 Pyridine	2.361	2.351	0.010	0.4	500.0
$	3 2-Fluorophenol	1.763	1.816	0.010	3.0	500.0
$	4 Phenol-d6	1.626	1.682	0.010	3.5	500.0
	5 Aniline	2.401	2.480	0.010	3.3	500.0
	6 Phenol	2.026	2.126	0.010	4.9	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.666	0.010	2.3	500.0
	8 2-Chlorophenol	1.563	1.630	0.010	4.3	500.0
	9 1,3-Dichlorobenzene	1.588	1.711	0.010	7.7	500.0
	11 1,4-Dichlorobenzene	1.536	1.638	0.010	6.6	30.0
	12 Benzyl alcohol	1.020	1.010	0.010	1.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.4	500.0
	14 2-Methylphenol	1.426	1.420	0.010	0.4	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.316	0.010	4.5	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.317	0.050	0.9	500.0
	18 Hexachloroethane	0.567	0.602	0.010	6.2	500.0
$	19 Nitrobenzene-d5	0.486	0.539	0.010	10.8	500.0
	20 Nitrobenzene	0.474	0.551	0.010	16.3	500.0
	21 Isophorone	0.979	0.980	0.010	0.1	500.0
	22 2-Nitrophenol	0.296	0.317	0.010	7.3	30.0
	23 2,4-Dimethyphenol	0.338	0.359	0.010	6.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.612	0.010	4.7	500.0
	25 Benzoic Acid	0.791	0.638	0.010	19.4	500.0
	26 2,4-Dichlorophenol	0.305	0.332	0.010	8.7	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.377	0.010	13.1	500.0
	29 Naphthalene	1.096	1.196	0.010	9.2	500.0
	30 4-Chloroaniline	0.495	0.538	0.010	8.7	500.0
	31 Hexachlorobutadiene	0.183	0.211	0.010	15.5	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.379	0.010	3.9	30.0
	33 2-Methylnaphthalene	0.677	0.730	0.010	7.9	500.0
	34 Hexachlorocyclopentadiene	0.358	0.380	0.050	6.2	500.0
	35 2,4,6-Trichlorophenol	0.399	0.410	0.010	2.5	30.0
	36 2,4,5-Trichlorphenol	0.465	0.491	0.010	5.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.650	0.010	8.4	500.0
	38 2-Chloronaphthalene	1.326	1.428	0.010	7.7	500.0
	39 2-Nitroaniline	0.612	0.598	0.010	2.2	500.0
	40 Dimethylphthalate	1.632	1.620	0.010	0.7	500.0
	41 Acenaphthylene	2.139	2.250	0.010	5.2	500.0
	42 2,6-Dinitrotoluene	0.381	0.400	0.010	5.0	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.434	0.010	5.9	500.0
	45 Acenaphthene	0.624	0.643	0.010	3.0	30.0
	46 2,4-Dinitrophenol	0.209	0.120	0.050	42.5	500.0
	47 4-Nitrophenol	0.184	0.154	0.050	16.1	500.0
	48 Dibenzofuran	1.869	1.898	0.010	1.6	500.0
	49 2,4-Dinitrotoluene	0.515	0.522	0.010	1.4	500.0
	50 Fluorene	1.410	1.425	0.010	1.0	500.0
	51 Diethylphthalate	1.618	1.669	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.720	0.010	3.3	500.0
	53 4-Nitroaniline	0.455	0.415	0.010	8.9	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.177	0.010	3.8	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.676	0.010	2.7	30.0
	56 Azobenzene	3.399	3.217	0.010	5.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.214	0.010	2.2	500.0
	58 4-Bromophenyl-phenylether	0.236	0.254	0.010	7.8	500.0
	59 Hexachlorobenzene	0.267	0.287	0.010	7.5	500.0
	60 Pentachlorophenol	0.143	0.104	0.010	27.8	30.0
	62 Phenanthrene	1.267	1.297	0.010	2.3	500.0
	63 Anthracene	1.257	1.302	0.010	3.6	500.0
	64 Di-n-butylphthalate	1.761	1.855	0.010	5.3	500.0
	65 Fluoranthene	1.241	1.280	0.010	3.1	30.0
	66 Benzidine	0.759	0.715	0.010	5.8	500.0
	67 Pyrene	1.898	1.996	0.010	5.2	500.0
$	68 Terphenyl-d14	1.203	1.286	0.010	6.9	500.0
	69 Butylbenzylphthalate	1.069	1.137	0.010	6.4	500.0
	70 Benzo(a)anthracene	1.499	1.563	0.010	4.3	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.563	0.010	4.8	500.0
	73 Chrysene	1.293	1.380	0.010	6.7	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.541	0.010	6.3	500.0
	75 Di-n-octylphthalate	2.618	3.318	0.010	26.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.708	0.010	16.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.695	0.010	24.2	500.0
	78 Benzo(a)pyrene	1.269	1.565	0.010	23.3	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.412	0.010	17.1	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.410	0.010	24.1	500.0
	82 Benzo(g,h,i)perylene	1.207	1.449	0.010	20.1	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1371.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-1994 08:15 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 02-Sep-1994 10:18 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.359)	201767	52.797	52.797
	2 Pyridine	79.00	2.595	(0.000)	506100	49.798	49.798(M)
$	3 2-Fluorophenol	112.00	5.502	(0.770)	390995	51.510	51.510
$	4 Phenol-d6	99.00	6.838	(0.957)	362083	51.735	51.735
	5 Aniline	93.00	6.745	(0.944)	533885	51.658	51.658
	6 Phenol	94.00	6.852	(0.959)	457545	52.461	52.461
	7 bis(-2-Chloroethyl)Ether	93.00	6.838	(0.957)	358642	51.132	51.132
	8 2-Chlorophenol	128.00	6.924	(0.969)	350813	52.131	52.131
	9 1,3-Dichlorobenzene	146.00	7.067	(0.989)	368352	53.868	53.868
	) 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	172205	40.000	
	11 1,4-Dichlorobenzene	146.00	7.167	(1.003)	352539	53.323	53.323
	12 Benzyl alcohol	108.00	7.381	(1.033)	217360	49.510	49.510
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	348255	54.176	54.176
	14 2-Methylphenol	108.00	7.574	(1.060)	305674	49.807	49.807
	15 Bis(2-chloroisopropyl)ether	45.00	7.517	(1.052)	455158	52.051	52.051
	16 3- & 4-Methylphenol	108.00	7.781	(1.089)	566420	104.512	104.512
	17 N-Nitroso-di-n-propylamine	70.00	7.695	(1.077)	283487	50.459	50.459
	18 Hexachloroethane	117.00	7.774	(1.088)	129638	53.080	53.080
$	19 Nitrobenzene-d5	82.00	7.859	(0.889)	389079	55.389	55.389
	20 Nitrobenzene	77.00	7.888	(0.892)	398252	58.140	58.140
	21 Isophorone	82.00	8.224	(0.930)	707731	50.064	50.064
	22 2-Nitrophenol	139.00	8.309	(0.939)	229170	53.675	53.675
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	259280	53.138	53.138
	24 bis(-2-Chloroethoxy)methane	93.00	8.531	(0.964)	441838	52.346	52.346
	25 Benzoic Acid	122.00	8.717	(1.220)	137286	40.320	40.320
	26 2,4-Dichlorophenol	162.00	8.702	(0.984)	239785	54.360	54.360
	27 1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	271965	56.544	56.544
*	28 Naphthalene-d8	136.00	8.845	(1.000)	577777	40.000	
	29 Naphthalene	128.00	8.874	(1.003)	863948	54.576	54.576

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.995	(1.017)	388343	54.326	54.326
	31 Hexachlorobutadiene	225.00	9.067	(1.025)	152413	57.772	57.772
	32 4-Chloro-3-Methylphenol	107.00	9.845	(1.113)	273871	51.942	51.942
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	527303	53.960	53.960
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	135357	53.078	53.078
	35 2,4,6-Trichlorophenol	196.00	10.531	(0.882)	145852	51.261	51.261
	36 2,4,5-Trichlorphenol	196.00	10.631	(0.890)	174746	52.751	52.751
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	587526	54.192	54.192
	38 2-Chloronaphthalene	162.00	10.859	(0.910)	508748	53.843	53.843
	39 2-Nitroaniline	138.00	11.109	(0.931)	213125	48.890	48.890
	40 Dimethylphthalate	163.00	11.488	(0.962)	576911	49.637	49.637
	41 Acenaphthylene	152.00	11.652	(0.976)	801301	52.579	52.579
	2 2,6-Dinitrotoluene	165.00	11.595	(0.971)	142552	52.498	52.498
	43 3-Nitroaniline	138.00	11.938	(1.000)	154602	47.044	47.044
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	284930	40.000	
	45 Acenaphthene	152.00	12.009	(1.006)	228838	51.494	51.494
	46 2,4-Dinitrophenol	184.00	12.152	(1.018)	42749	28.742	28.742
	47 4-Nitrophenol	109.00	12.495	(1.047)	54883	41.930	41.930
	48 Dibenzofuran	168.00	12.374	(1.036)	676128	50.798	50.798
	49 2,4-Dinitrotoluene	165.00	12.409	(1.039)	186089	50.681	50.681
	50 Fluorene	166.00	13.102	(1.098)	507453	50.521	50.521
	51 Diethylphthalate	149.00	12.981	(1.087)	594271	51.557	51.557
	52 4-Chlorophenyl-phenylether	204.00	13.152	(1.102)	256411	51.664	51.664
	53 4-Nitroaniline	138.00	13.245	(1.109)	147822	45.560	45.560
	54 4,6-Dinitro-o-cresol	198.00	13.281	(0.876)	89078	48.106	48.106
	55 N-nitrosodiphenylamine (1)	169.00	13.431	(0.886)	340656	51.336	51.336
	56 Azobenzene	77.00	13.495	(1.889)	692500	47.328	47.328
$	57 2,4,6-Tribromophenol	330.00	13.638	(1.142)	76316	48.901	48.901
	58 4-Bromophenyl-phenylether	248.00	14.224	(0.938)	128160	53.894	53.894
	? Hexachlorobenzene	284.00	14.295	(0.943)	144504	53.771	53.771
	60 Pentachlorophenol	266.00	14.809	(0.976)	52169	36.111	36.111(M)
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	402979	40.000	
	62 Phenanthrene	178.00	15.223	(1.004)	653401	51.175	51.175
	63 Anthracene	178.00	15.338	(1.011)	655980	51.806	51.806
	64 Di-n-butylphthalate	149.00	16.752	(1.105)	934396	52.670	52.670
	65 Fluoranthene	202.00	17.988	(1.186)	644624	51.549	51.549
	66 Benzidine	184.00	18.431	(2.579)	153928	47.116	47.116
	67 Pyrene	202.00	18.495	(0.865)	656550	52.605	52.605
$	68 Terphenyl-d14	244.00	19.002	(0.888)	422831	53.425	53.425
	69 Butylbenzylphthalate	149.00	20.280	(0.948)	374043	53.213	53.213
	70 Benzo(a)anthracene	228.00	21.359	(0.999)	514082	52.128	52.128
*	71 Chrysene-d12	240.00	21.388	(1.000)	263081	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.416	(1.001)	185292	52.396	52.396
	73 Chrysene	228.00	21.445	(1.003)	453757	53.357	53.357
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	506622	53.154	53.154
	75 Di-n-octylphthalate	149.00	23.216	(0.947)	846634	63.377	63.377
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	435908	58.394	58.394
	77 Benzo(k)fluoranthene	252.00	23.809	(0.971)	432557	62.092	62.092
	78 Benzo(a)pyrene	252.00	24.402	(0.996)	399397	61.652	61.652

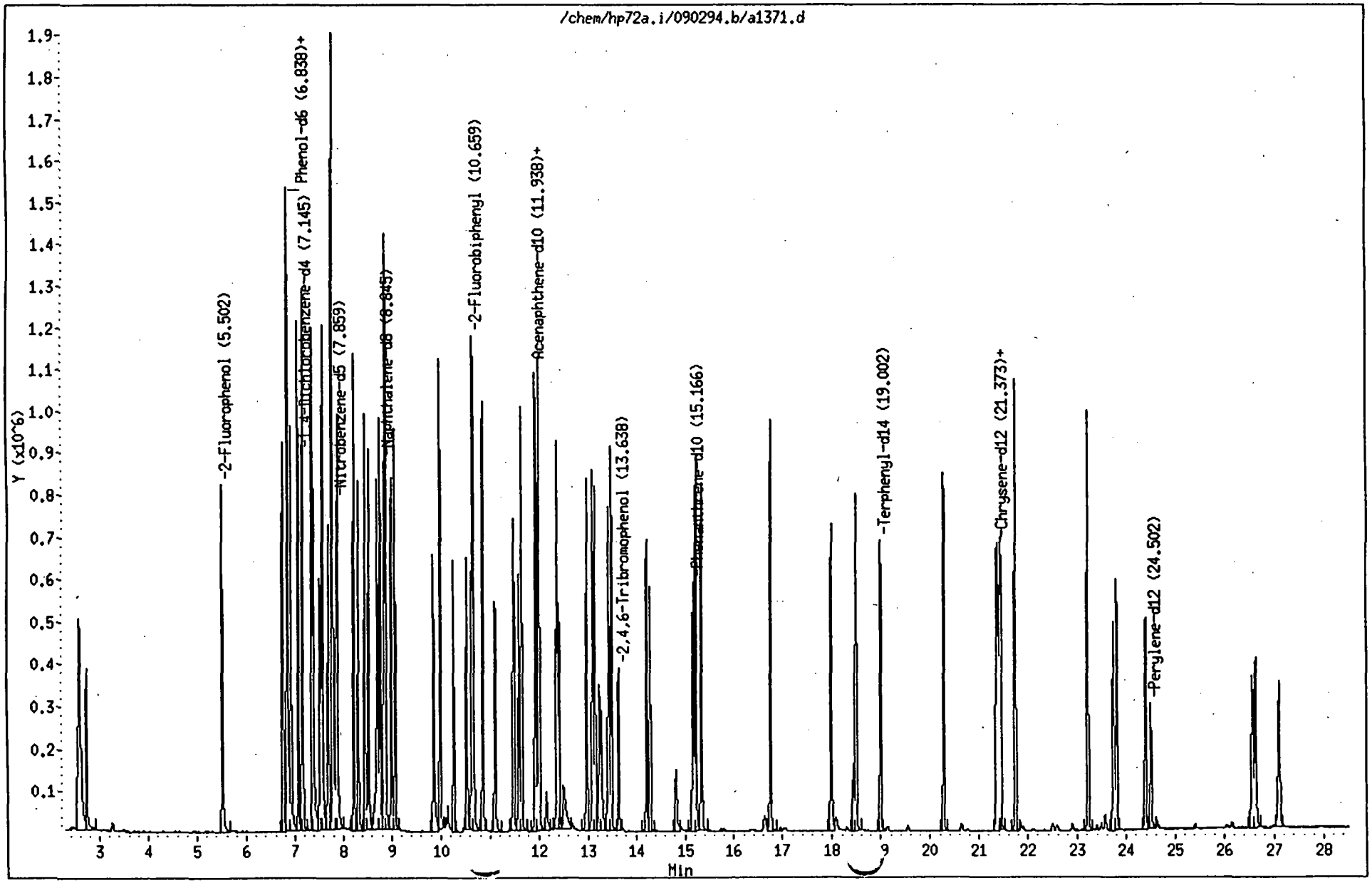
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	204133	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.084)	360374	58.553	58.553
81 Dibenzo(a,h)anthracene	278.00	26.630	(1.087)	359883	62.054	62.054
82 Benzo(g,h,i)perylene	276.00	27.109	(1.106)	369852	60.052	60.052

QC Flag Legend

M - Compound response manually integrated.

0000244

Data File: /chem/hp72a.i/090294.b/a1371.d
Date : 02-SEP-1994 08:15
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090394.b/a1420.d

Date : 03-SEP-94 13:51

Instrument : hp72a.i

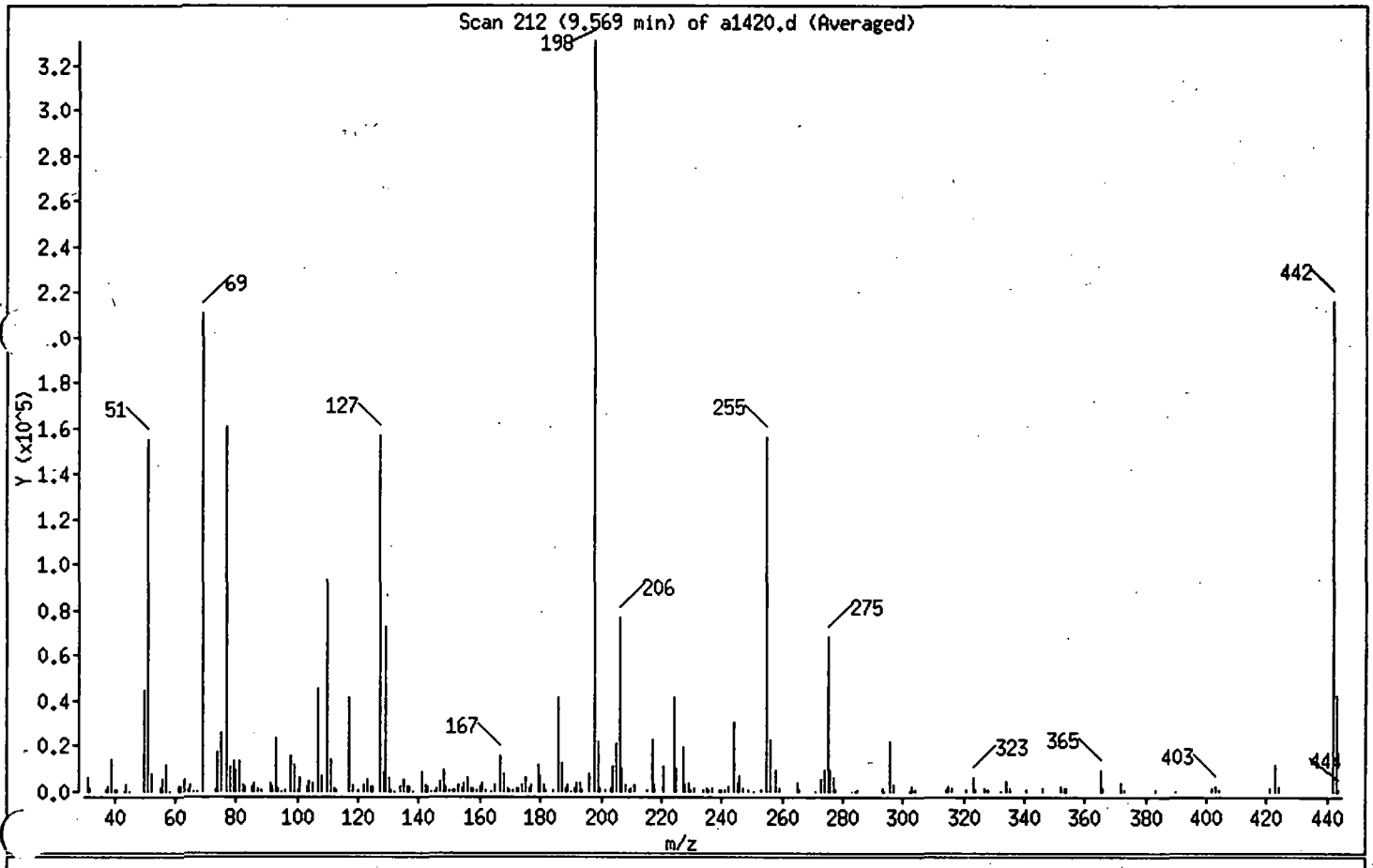
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.8
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.3
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	20.7
365	Greater than 1.00% of mass 198	2.9
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	65.5
443	17.00 - 23.00% of mass 442	19.5

Data File: /chem/hp72a.i/090394.b/a1420.d
Date : 03-SEP-94 13:51
Instrument : hp72a.i
Sample ID :
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5985	117.00	41221	181.00	3413	258.00	9706
37.00	889	118.00	3217	182.00	663	259.00	1526
38.00	2647	120.00	412	184.00	756	265.00	4190
39.00	14204	122.00	3428	186.00	41440	266.00	395
40.00	747	123.00	5169	187.00	12174	271.00	191
41.00	315	124.00	2386	188.00	1365	273.00	5168
45.00	212	125.00	2278	189.00	3106	274.00	9475
50.00	44392	127.00	156522	190.00	207	275.00	68490
51.00	155648	128.00	8300	191.00	1452	276.00	9134
52.00	8115	129.00	72989	192.00	3986	277.00	6067
55.00	1224	130.00	6102	193.00	3743	278.00	1049
56.00	5418	131.00	1017	194.00	906	283.00	170
57.00	11705	132.00	178	196.00	8131	284.00	208
58.00	224	134.00	2033	198.00	330965	285.00	1061
61.00	2166	135.00	5491	199.00	22288	293.00	1350
62.00	2188	136.00	2190	200.00	1551	294.00	180
63.00	5847	137.00	2728	201.00	663	296.00	21730
64.00	947	138.00	373	202.00	352	297.00	2847
65.00	3008	141.00	8936	203.00	1954	302.00	196
66.00	225	142.00	2952	204.00	11045	303.00	2292
67.00	213	143.00	2050	205.00	20826	304.00	673
69.00	211050	144.00	216	206.00	76677	314.00	994
73.00	600	145.00	271	207.00	9867	315.00	2267
74.00	17179	146.00	1513	208.00	2773	316.00	1200
75.00	26170	147.00	4700	209.00	889	321.00	657
77.00	160704	148.00	9458	210.00	1699	323.00	6513
78.00	11309	149.00	2129	211.00	2831	324.00	1091
79.00	13197	150.00	422	215.00	765	327.00	1410
80.00	9300	151.00	990	217.00	22357	328.00	471
81.00	13184	152.00	508	218.00	2836	332.00	204
82.00	3112	153.00	2790	221.00	11308	334.00	4351
83.00	2686	154.00	1939	224.00	41261	335.00	1195
85.00	2618	155.00	4303	225.00	10418	341.00	708
86.00	3896	156.00	6455	227.00	19648	346.00	1299
87.00	1484	157.00	1213	228.00	3034	352.00	2084

Data File: /chem/hp72a.i/090394.b/a1420.d
Date : 03-SEP-94 13:51
Instrument : hp72a.i
Sample ID :
Column phase :
Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	456	158.00	1490	229.00	3780	353.00	1335
91.00	3537	159.00	1165	230.00	451	354.00	1866
92.00	2112	160.00	2592	231.00	1456	365.00	9537
93.00	23672	161.00	3633	234.00	1147	366.00	1389
94.00	1552	162.00	972	235.00	1286	372.00	3572
95.00	173	164.00	186	236.00	858	373.00	945
96.00	885	165.00	3326	237.00	1311	383.00	893
98.00	15907	167.00	15550	239.00	819	390.00	173
99.00	11799	168.00	7988	240.00	470	402.00	1513
100.00	672	169.00	1387	241.00	936	403.00	2064
101.00	6227	170.00	653	242.00	2148	404.00	600
103.00	2337	171.00	493	244.00	30600	421.00	1637
104.00	4419	172.00	1547	245.00	4161	423.00	12035
105.00	3877	173.00	1870	246.00	6742	424.00	2180
107.00	45205	174.00	3499	247.00	1494	442.00	216661
108.00	6935	175.00	6044	249.00	1067	443.00	42173
110.00	93122	176.00	1621	251.00	168	444.00	1113
111.00	14163	177.00	2917	253.00	933		
112.00	1924	179.00	11884	255.00	156181		
113.00	635	180.00	7172	256.00	22792		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: m1421.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-SEP-94 14:12
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090394.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.107	0.010	24.7	500.0
	2 Pyridine	2.361	2.458	0.010	4.1	500.0
$	3 2-Fluorophenol	1.763	1.834	0.010	4.0	500.0
$	4 Phenol-d6	1.626	1.660	0.010	2.1	500.0
	5 Aniline	2.401	2.471	0.010	2.9	500.0
	6 Phenol	2.026	2.099	0.010	3.6	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.666	0.010	2.2	500.0
	8 2-Chlorophenol	1.563	1.589	0.010	1.7	500.0
	9 1,3-Dichlorobenzene	1.588	1.721	0.010	8.4	500.0
	11 1,4-Dichlorobenzene	1.536	1.630	0.010	6.2	30.0
	12 Benzyl alcohol	1.020	0.952	0.010	6.6	500.0
	13 1,2-Dichlorobenzene	1.493	1.623	0.010	8.7	500.0
	14 2-Methylphenol	1.426	1.424	0.010	0.1	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.002	0.010	1.4	500.0
	16 3- & 4-Methylphenol	1.259	1.286	0.010	2.1	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.387	0.050	6.3	500.0
	18 Hexachloroethane	0.567	0.654	0.010	15.3	500.0
$	19 Nitrobenzene-d5	0.486	0.571	0.010	17.5	500.0
	20 Nitrobenzene	0.474	0.606	0.010	27.9	500.0
	21 Isophorone	0.979	1.013	0.010	3.5	500.0
	22 2-Nitrophenol	0.296	0.313	0.010	6.0	30.0
	23 2,4-Dimethyphenol	0.338	0.344	0.010	1.9	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.620	0.010	6.2	500.0
	25 Benzoic Acid	0.791	0.675	0.010	14.6	500.0
	26 2,4-Dichlorophenol	0.305	0.342	0.010	12.0	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.380	0.010	14.0	500.0
	29 Naphthalene	1.096	1.176	0.010	7.3	500.0
	30 4-Chloroaniline	0.495	0.536	0.010	8.4	500.0
	31 Hexachlorobutadiene	0.183	0.233	0.010	27.6	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.403	0.010	10.3	30.0
	33 2-Methylnaphthalene	0.677	0.733	0.010	8.4	500.0
	34 Hexachlorocyclopentadiene	0.358	0.401	0.050	12.1	500.0
	35 2,4,6-Trichlorophenol	0.399	0.422	0.010	5.7	30.0
	36 2,4,5-Trichlorphenol	0.465	0.492	0.010	5.8	500.0
$	37 2-Fluorobiphenyl	1.522	1.611	0.010	5.9	500.0
	38 2-Chloronaphthalene	1.326	1.410	0.010	6.3	500.0
	39 2-Nitroaniline	0.612	0.622	0.010	1.6	500.0
	40 Dimethylphthalate	1.632	1.738	0.010	6.5	500.0
	41 Acenaphthylene	2.139	2.233	0.010	4.4	500.0
	42 2,6-Dinitrotoluene	0.381	0.425	0.010	11.4	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: m1421.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-SEP-94 14:12
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090394.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.449	0.010	2.6	500.0
	45 Acenaphthene	0.624	0.651	0.010	4.4	30.0
	46 2,4-Dinitrophenol	0.209	0.159	0.050	23.7	500.0
	47 4-Nitrophenol	0.184	0.203	0.050	10.6	500.0
	48 Dibenzofuran	1.869	1.947	0.010	4.2	500.0
	49 2,4-Dinitrotoluene	0.515	0.568	0.010	10.2	500.0
	50 Fluorene	1.410	1.435	0.010	1.7	500.0
	51 Diethylphthalate	1.618	1.782	0.010	10.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.730	0.010	4.8	500.0
	53 4-Nitroaniline	0.455	0.434	0.010	4.7	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.196	0.010	6.4	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.688	0.010	4.4	30.0
	56 Azobenzene	3.399	3.476	0.010	2.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.241	0.010	9.9	500.0
	58 4-Bromophenyl-phenylether	0.236	0.254	0.010	7.8	500.0
	59 Hexachlorobenzene	0.267	0.286	0.010	7.3	500.0
	60 Pentachlorophenol	0.143	0.109	0.010	24.1	30.0
	62 Phenanthrene	1.267	1.304	0.010	2.9	500.0
	63 Anthracene	1.257	1.322	0.010	5.2	500.0
	64 Di-n-butylphthalate	1.761	1.894	0.010	7.6	500.0
	65 Fluoranthene	1.241	1.319	0.010	6.3	30.0
	66 Benzidine	0.759	0.562	0.010	26.0	500.0
	67 Pyrene	1.898	2.019	0.010	6.4	500.0
$	68 Terphenyl-d14	1.203	1.321	0.010	9.8	500.0
	69 Butylbenzylphthalate	1.069	1.162	0.010	8.8	500.0
	70 Benzo(a)anthracene	1.499	1.577	0.010	5.2	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.556	0.010	3.5	500.0
	73 Chrysene	1.293	1.385	0.010	7.1	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.543	0.010	6.5	500.0
	75 Di-n-octylphthalate	2.618	3.394	0.010	29.7	30.0
	76 Benzo(b)fluoranthene	1.463	1.742	0.010	19.1	500.0
	77 Benzo(k)fluoranthene	1.365	1.656	0.010	21.3	500.0
	78 Benzo(a)pyrene	1.269	1.580	0.010	24.5	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.362	0.010	13.0	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.414	0.010	24.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.441	0.010	19.4	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/m1421.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 14:12 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.595	(0.363)	215592	62.368	62.368
	2 Pyridine	79.00	2.609	(0.000)	478631	52.066	52.066(M)
$	3 2-Fluorophenol	112.00	5.509	(0.771)	357014	51.997	51.997
$	4 Phenol-d6	99.00	6.837	(0.957)	323161	51.046	51.046
	5 Aniline	93.00	6.752	(0.945)	481131	51.467	51.467
	6 Phenol	94.00	6.859	(0.960)	408686	51.804	51.804
	7 bis(-2-Chloroethyl)Ether	93.00	6.837	(0.957)	324351	51.123	51.123
	8 2-Chlorophenol	128.00	6.923	(0.969)	309394	50.828	50.828
	9 1,3-Dichlorobenzene	146.00	7.073	(0.990)	335100	54.177	54.177
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	155766	40.000	
	11 1,4-Dichlorobenzene	146.00	7.173	(1.004)	317438	53.081	53.081
	12 Benzyl alcohol	108.00	7.387	(1.034)	185430	46.694	46.694
	13 1,2-Dichlorobenzene	146.00	7.359	(1.030)	316001	54.347	54.347
	14 2-Methylphenol	108.00	7.580	(1.061)	277297	49.951	49.951
	15 Bis(2-chloroisopropyl)ether	45.00	7.523	(1.053)	389770	49.277	49.277
	16 3- & 4-Methylphenol	108.00	7.787	(1.090)	500708	102.138	102.138
	17 N-Nitroso-di-n-propylamine	70.00	7.709	(1.079)	270098	53.150	53.150
	18 Hexachloroethane	117.00	7.773	(1.088)	127365	57.653	57.653
$	19 Nitrobenzene-d5	82.00	7.866	(0.889)	370962	58.740	58.740
	20 Nitrobenzene	77.00	7.895	(0.893)	393704	63.930	63.930
	21 Isophorone	82.00	8.230	(0.931)	657986	51.771	51.771
	22 2-Nitrophenol	139.00	8.316	(0.940)	203477	53.008	53.008
	23 2,4-Dimethyphenol	122.00	8.452	(0.956)	223602	50.972	50.972
	24 bis(-2-Chloroethoxy)methane	93.00	8.537	(0.965)	402796	53.079	53.079
	25 Benzoic Acid	122.00	8.737	(1.223)	131474	42.689	42.689
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	221999	55.979	55.979
	27 1,2,4-Trichlorobenzene	180.00	8.766	(0.991)	246539	57.013	57.013
*	28 Naphthalene-d8	136.00	8.845	(1.000)	519450	40.000	(M)
	29 Naphthalene	128.00	8.880	(1.004)	763583	53.652	53.652

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.002	(1.018)	348288	54.194	54.194
	31 Hexachlorobutadiene	225.00	9.073	(1.026)	151322	63.799	63.799
	32 4-Chloro-3-Methylphenol	107.00	9.852	(1.114)	261496	55.164	55.164
	33 2-Methylnaphthalene	142.00	9.995	(1.130)	476188	54.201	54.201
	34 Hexachlorocyclopentadiene	237.00	10.266	(0.859)	130770	56.037	56.037
	35 2,4,6-Trichlorophenol	196.00	10.537	(0.882)	137648	52.866	52.866
	36 2,4,5-Trichlorphenol	196.00	10.637	(0.891)	160330	52.891	52.891
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	525120	52.930	52.930
	38 2-Chloronaphthalene	162.00	10.866	(0.910)	459397	53.132	53.132
	39 2-Nitroaniline	138.00	11.116	(0.931)	202680	50.808	50.808
	40 Dimethylphthalate	163.00	11.494	(0.962)	566347	53.249	53.249
	41 Acenaphthylene	152.00	11.659	(0.976)	727704	52.181	52.181
	2 2,6-Dinitrotoluene	165.00	11.602	(0.971)	138391	55.695	55.695
	43 3-Nitroaniline	138.00	11.952	(1.001)	146467	48.704	48.704
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	260735	40.000	
	45 Acenaphthene	152.00	12.016	(1.006)	212329	52.213	52.213
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	51952	38.171	38.171
	47 4-Nitrophenol	109.00	12.509	(1.047)	66217	55.283	55.283
	48 Dibenzofuran	168.00	12.380	(1.036)	634531	52.097	52.097
	49 2,4-Dinitrotoluene	165.00	12.423	(1.040)	185123	55.096	55.096
	50 Fluorene	166.00	13.109	(1.097)	467603	50.873	50.873
	51 Diethylphthalate	149.00	12.987	(1.087)	580694	55.054	55.054
	52 4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	238052	52.416	52.416
	53 4-Nitroaniline	138.00	13.259	(1.110)	141544	47.673	47.673
	54 4,6-Dinitro-o-cresol	198.00	13.302	(0.876)	94847	53.210	53.210
	55 N-nitrosodiphenylamine (1)	169.00	13.444	(0.886)	333374	52.189	52.189
	56 Azobenzene	77.00	13.502	(1.890)	676799	51.136	51.136
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	78489	54.960	54.960
	58 4-Bromophenyl-phenylether	248.00	14.230	(0.937)	123380	53.898	53.898
	9 Hexachlorobenzene	284.00	14.302	(0.942)	138849	53.672	53.672
	60 Pentachlorophenol	266.00	14.823	(0.976)	52770	37.945	37.945
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	387921	40.000	
	62 Phenanthrene	178.00	15.237	(1.004)	632482	51.459	51.459
	63 Anthracene	178.00	15.352	(1.011)	640895	52.580	52.580
	64 Di-n-butylphthalate	149.00	16.759	(1.104)	918416	53.779	53.779
	65 Fluoranthene	202.00	17.994	(1.185)	639585	53.131	53.131
	66 Benzidine	184.00	18.451	(2.583)	109391	37.017	37.017
	67 Pyrene	202.00	18.501	(0.865)	633063	53.196	53.196
$	68 Terphenyl-d14	244.00	19.009	(0.888)	414326	54.903	54.903
	69 Butylbenzylphthalate	149.00	20.294	(0.949)	364470	54.380	54.380
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	494624	52.600	52.600
*	71 Chrysene-d12	240.00	21.394	(1.000)	250851	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.002)	174479	51.743	51.743
	73 Chrysene	228.00	21.458	(1.003)	434135	53.538	53.538
	74 bis(2-Ethylhexyl)phthalate	149.00	21.744	(1.016)	483829	53.237	53.237
	75 Di-n-octylphthalate	149.00	23.223	(0.947)	809666	64.833	64.833
	76 Benzo(b)fluoranthene	252.00	23.758	(0.969)	415570	59.549	59.549
	77 Benzo(k)fluoranthene	252.00	23.823	(0.972)	394988	60.650	60.650
	78 Benzo(a)pyrene	252.00	24.408	(0.996)	376888	62.231	62.231

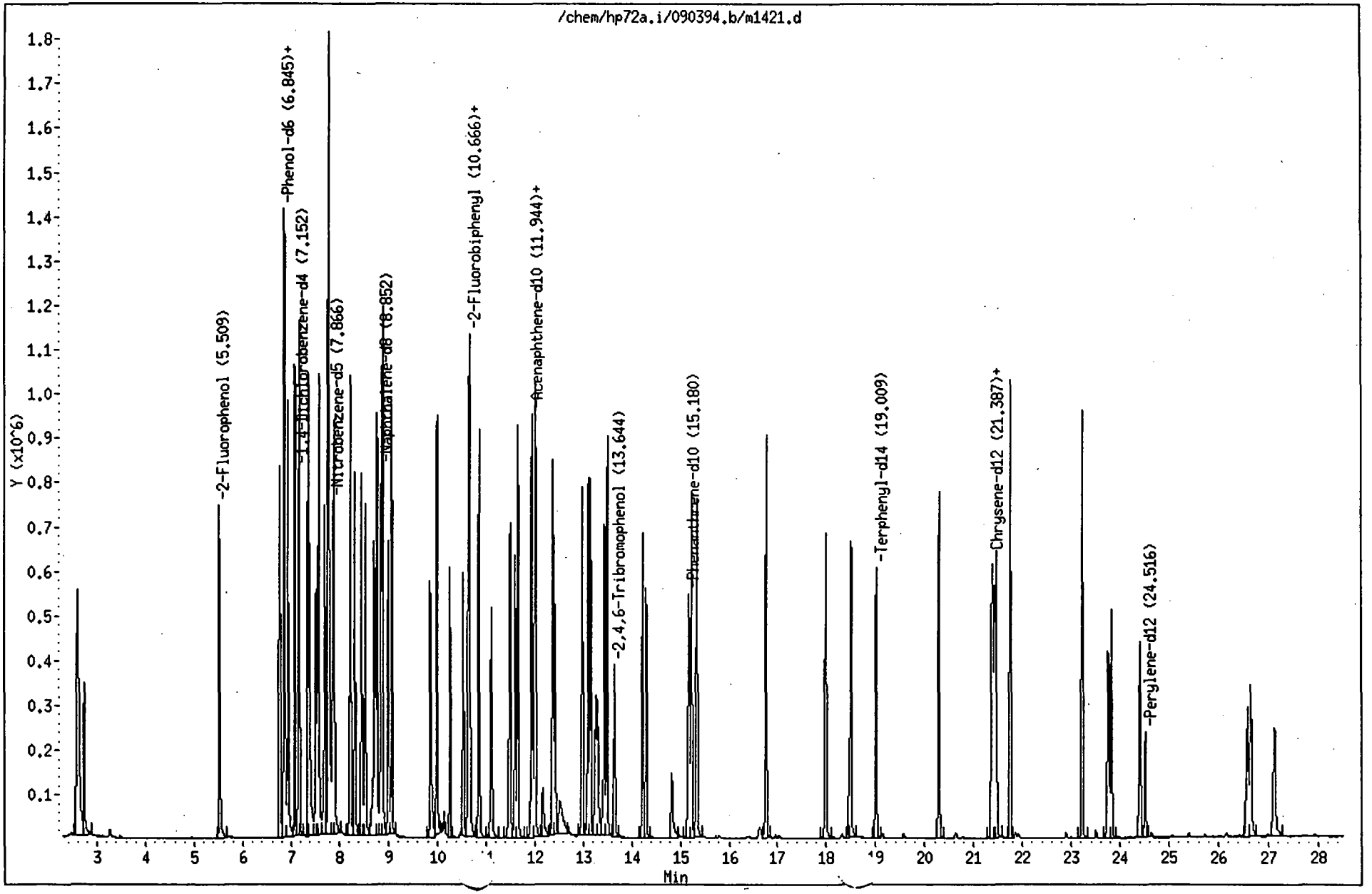
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	190835	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.580	(1.084)	324967	56.480	56.480
81 Dibenzo(a,h)anthracene	278.00	26.644	(1.087)	337235	62.201	62.201
82 Benzo(g,h,i)perylene	276.00	27.123	(1.106)	343719	59.698	59.698

QC Flag Legend

M - Compound response manually integrated.

0000253

Data File: /chem/hp72a.i/090394.b/m1421.d
Date : 03-SEP-94 14:12
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090594.b/a1450.d

Date : 05-SEP-94 14:22

Instrument : hp72a.i

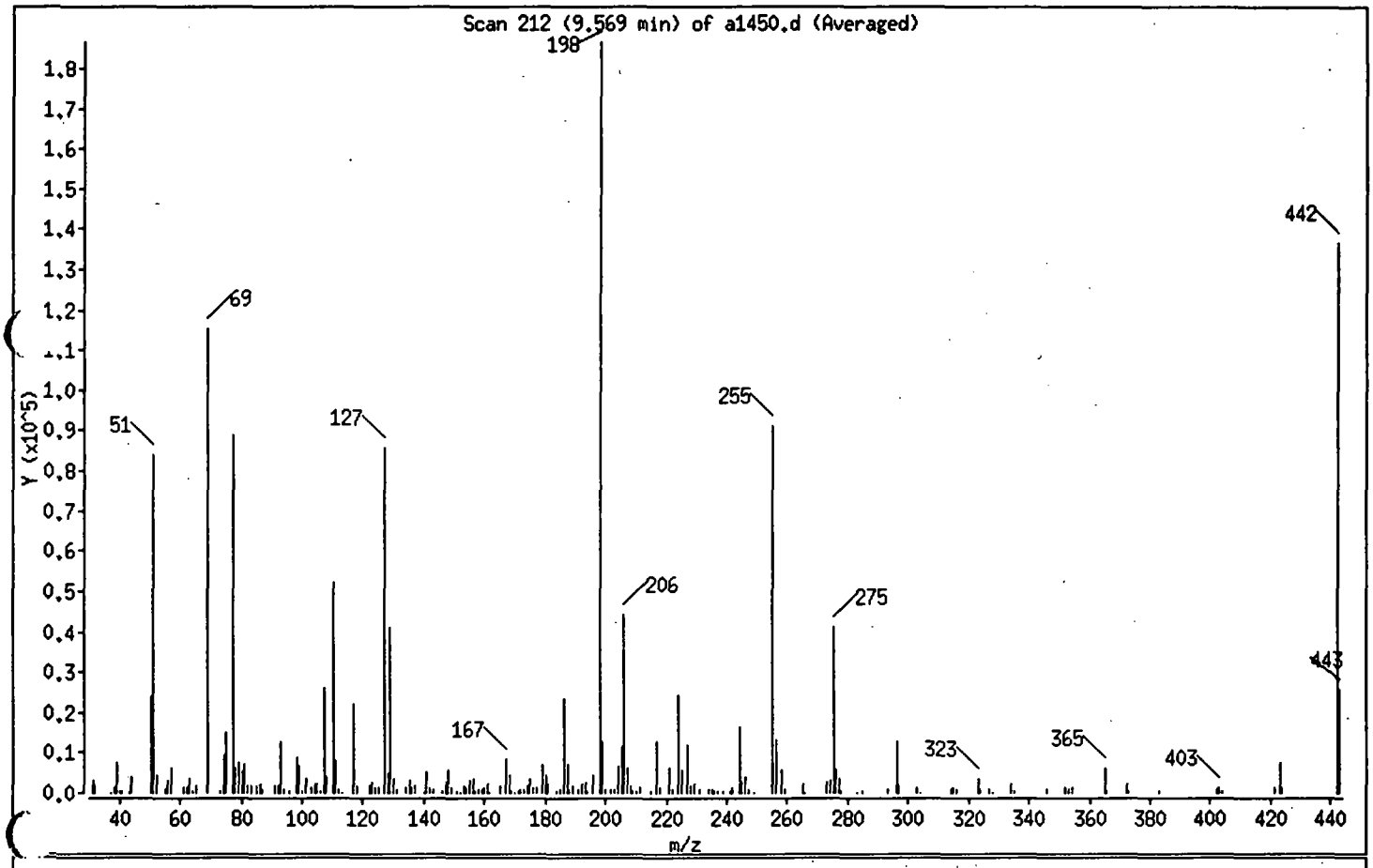
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	61.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.9
275	10.00 - 30.00% of mass 198	22.0
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	73.2
443	17.00 - 23.00% of mass 442	18.8

Data File: /chem/hp72a.i/090594.b/a1450.d

Date : 05-SEP-94 14:22

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 206

Location of Maximum: 198.00

Number of points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	3065	113.00	183	180.00	4486	255.00	90981
37.00	177	117.00	22234	181.00	2032	256.00	13297
38.00	1371	118.00	1654	184.00	249	258.00	5724
39.00	7300	122.00	1927	185.00	973	259.00	1018
40.00	403	123.00	2763	186.00	23568	265.00	2229
43.00	182	124.00	1403	187.00	6923	266.00	174
50.00	23760	125.00	1132	188.00	763	273.00	2841
51.00	83920	127.00	85773	189.00	1663	274.00	2982
52.00	4290	128.00	4924	191.00	685	275.00	41010
55.00	731	129.00	41010	192.00	2226	276.00	5554
56.00	2974	130.00	3709	193.00	2468	277.00	3745
57.00	6352	131.00	770	194.00	588	278.00	578
61.00	1166	134.00	1154	196.00	4427	283.00	180
62.00	1383	135.00	2885	198.00	186624	285.00	576
63.00	3445	136.00	1273	199.00	12786	293.00	925
64.00	549	137.00	1573	200.00	926	296.00	12892
65.00	1666	140.00	185	202.00	785	297.00	1676
69.00	115509	141.00	5324	203.00	909	303.00	1409
73.00	662	142.00	1464	204.00	6840	304.00	193
74.00	9128	143.00	1105	205.00	11682	314.00	737
75.00	15233	146.00	523	206.00	44157	315.00	1543
77.00	88669	147.00	2545	207.00	6103	316.00	696
78.00	6083	148.00	5531	208.00	1762	323.00	3684
79.00	7343	149.00	1178	209.00	442	324.00	703
80.00	5377	151.00	623	210.00	353	327.00	796
81.00	6895	152.00	172	211.00	1543	328.00	179
82.00	1597	153.00	1565	215.00	635	334.00	2342
83.00	1727	154.00	1209	217.00	12829	335.00	630
85.00	1879	155.00	2960	218.00	1138	346.00	919
86.00	2242	156.00	3364	221.00	6244	352.00	1155
87.00	800	157.00	611	222.00	768	353.00	864
91.00	1918	158.00	908	224.00	24530	354.00	1155
92.00	1886	159.00	695	225.00	5913	365.00	5972
93.00	13001	160.00	1473	227.00	12010	366.00	641
94.00	1005	161.00	2118	228.00	1691	372.00	2202

Data File: /chem/hp72a.i/090594.b/a1450.d
Date : 05-SEP-94 14:22
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 206
Location of Maximum: 198.00
Number of points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	450	162.00	188	229.00	2067	373.00	411
98.00	8763	165.00	1770	231.00	816	383.00	416
99.00	6840	167.00	8435	234.00	803	402.00	1043
100.00	241	168.00	4450	235.00	826	403.00	1256
101.00	3390	169.00	542	236.00	430	404.00	237
103.00	1510	170.00	194	237.00	638	421.00	1150
104.00	2260	171.00	380	239.00	358	423.00	7381
105.00	2092	172.00	834	241.00	599	424.00	1546
106.00	317	173.00	985	242.00	1279	442.00	136693
107.00	26045	174.00	1830	244.00	16245	443.00	25746
108.00	3831	175.00	3341	245.00	2627		
110.00	52330	176.00	1201	246.00	3817		
111.00	8065	177.00	1541	247.00	892		
112.00	851	179.00	7044	249.00	209		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1451.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-SEP-94 14:43
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090594.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.076	0.010	21.2	500.0
	2 Pyridine	2.361	2.261	0.010	4.2	500.0
$	3 2-Fluorophenol	1.763	1.709	0.010	3.1	500.0
$	4 Phenol-d6	1.626	1.564	0.010	3.8	500.0
	5 Aniline	2.401	2.237	0.010	6.8	500.0
	6 Phenol	2.026	2.071	0.010	2.2	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.648	0.010	1.1	500.0
	8 2-Chlorophenol	1.563	1.505	0.010	3.7	500.0
	9 1,3-Dichlorobenzene	1.588	1.606	0.010	1.1	500.0
	11 1,4-Dichlorobenzene	1.536	1.541	0.010	0.4	30.0
	12 Benzyl alcohol	1.020	0.765	0.010	25.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.515	0.010	1.5	500.0
	14 2-Methylphenol	1.426	1.317	0.010	7.6	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.875	0.010	7.7	500.0
	16 3- & 4-Methylphenol	1.259	1.299	0.010	3.2	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.341	0.050	2.7	500.0
	18 Hexachloroethane	0.567	0.650	0.010	14.5	500.0
$	19 Nitrobenzene-d5	0.486	0.582	0.010	19.7	500.0
	20 Nitrobenzene	0.474	0.590	0.010	24.5	500.0
	21 Isophorone	0.979	1.022	0.010	4.4	500.0
	22 2-Nitrophenol	0.296	0.306	0.010	3.5	30.0
	23 2,4-Dimethyphenol	0.338	0.339	0.010	0.2	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.587	0.010	0.4	500.0
	25 Benzoic Acid	0.791	0.794	0.010	0.4	500.0
	26 2,4-Dichlorophenol	0.305	0.338	0.010	10.8	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.360	0.010	8.1	500.0
	29 Naphthalene	1.096	1.116	0.010	1.9	500.0
	30 4-Chloroaniline	0.495	0.502	0.010	1.4	500.0
	31 Hexachlorobutadiene	0.183	0.236	0.010	29.1	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.426	0.010	16.6	30.0
	33 2-Methylnaphthalene	0.677	0.727	0.010	7.4	500.0
	34 Hexachlorocyclopentadiene	0.358	0.419	0.050	17.1	500.0
	35 2,4,6-Trichlorophenol	0.399	0.397	0.010	0.6	30.0
	36 2,4,5-Trichlorphenol	0.465	0.467	0.010	0.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.519	0.010	0.2	500.0
	38 2-Chloronaphthalene	1.326	1.300	0.010	2.0	500.0
	39 2-Nitroaniline	0.612	0.570	0.010	6.9	500.0
	40 Dimethylphthalate	1.632	1.689	0.010	3.5	500.0
	41 Acenaphthylene	2.139	2.112	0.010	1.3	500.0
	42 2,6-Dinitrotoluene	0.381	0.408	0.010	7.0	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1451.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-SEP-94 14:43
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090594.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.405	0.010	12.3	500.0
	45 Acenaphthene	0.624	0.608	0.010	2.5	30.0
	46 2,4-Dinitrophenol	0.209	0.175	0.050	15.9	500.0
	47 4-Nitrophenol	0.184	0.192	0.050	4.5	500.0
	48 Dibenzofuran	1.869	1.811	0.010	3.1	500.0
	49 2,4-Dinitrotoluene	0.515	0.548	0.010	6.3	500.0
	50 Fluorene	1.410	1.345	0.010	4.6	500.0
	51 Diethylphthalate	1.618	1.672	0.010	3.3	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.700	0.010	0.4	500.0
	53 4-Nitroaniline	0.455	0.403	0.010	11.5	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.185	0.010	0.7	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.635	0.010	3.7	30.0
	56 Azobenzene	3.399	3.517	0.010	3.5	500.0
$	57 2,4,6-Tribromophenol	0.219	0.236	0.010	7.7	500.0
	58 4-Bromophenyl-phenylether	0.236	0.244	0.010	3.5	500.0
	59 Hexachlorobenzene	0.267	0.270	0.010	1.1	500.0
	60 Pentachlorophenol	0.143	0.124	0.010	13.4	30.0
	62 Phenanthrene	1.267	1.183	0.010	6.7	500.0
	63 Anthracene	1.257	1.174	0.010	6.6	500.0
	64 Di-n-butylphthalate	1.761	1.721	0.010	2.3	500.0
	65 Fluoranthene	1.241	1.164	0.010	6.2	30.0
	66 Benzidine	0.759	0.508	0.010	33.0	500.0
	67 Pyrene	1.898	1.794	0.010	5.4	500.0
$	68 Terphenyl-d14	1.203	1.153	0.010	4.2	500.0
	69 Butylbenzylphthalate	1.069	1.034	0.010	3.3	500.0
	70 Benzo(a)anthracene	1.499	1.398	0.010	6.8	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.477	0.010	11.3	500.0
	73 Chrysene	1.293	1.184	0.010	8.4	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.389	0.010	4.2	500.0
	75 Di-n-octylphthalate	2.618	2.877	0.010	9.9	30.0
	76 Benzo(b)fluoranthene	1.463	1.481	0.010	1.2	500.0
	77 Benzo(k)fluoranthene	1.365	1.410	0.010	3.3	500.0
	78 Benzo(a)pyrene	1.269	1.280	0.010	0.8	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.094	0.010	9.3	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.145	0.010	0.8	500.0
	82 Benzo(g,h,i)perylene	1.207	1.111	0.010	7.9	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1451.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 14:43 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
tegrator: HP RTE Compound Sublist: all.sub
mple Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.604	(0.364)	197176	60.588	60.588
	2 Pyridine	79.00	2.618	(0.000)	414536	47.898	47.898(M)
$	3 2-Fluorophenol	112.00	5.511	(0.771)	313225	48.457	48.457
$	4 Phenol-d6	99.00	6.840	(0.957)	286602	48.087	48.087
	5 Aniline	93.00	6.754	(0.945)	410079	46.595	46.595
	6 Phenol	94.00	6.861	(0.960)	379668	51.119	51.119
	7 bis(-2-Chloroethyl)Ether	93.00	6.840	(0.957)	302016	50.564	50.564
	8 2-Chlorophenol	128.00	6.925	(0.969)	275844	48.135	48.135
	9 1,3-Dichlorobenzene	146.00	7.068	(0.989)	294338	50.547	50.547
	0 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	146645	40.000	
	11 1,4-Dichlorobenzene	146.00	7.168	(1.003)	282511	50.179	50.179
	12 Benzyl alcohol	108.00	7.390	(1.034)	140244	37.512	37.512
	13 1,2-Dichlorobenzene	146.00	7.354	(1.029)	277689	50.728	50.728
	14 2-Methylphenol	108.00	7.582	(1.061)	241364	46.183	46.183
	15 Bis(2-chloroisopropyl)ether	45.00	7.518	(1.052)	343638	46.147	46.147
	16 3- & 4-Methylphenol	108.00	7.790	(1.090)	476120	103.163	103.163
	17 N-Nitroso-di-n-propylamine	70.00	7.711	(1.079)	245789	51.374	51.374
	18 Hexachloroethane	117.00	7.775	(1.088)	119062	57.247	57.247
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	353117	59.846	59.846
	20 Nitrobenzene	77.00	7.897	(0.893)	358055	62.231	62.231
	21 Isophorone	82.00	8.232	(0.931)	620033	52.216	52.216
	22 2-Nitrophenol	139.00	8.318	(0.940)	185659	51.768	51.768
	23 2,4-Dimethyphenol	122.00	8.454	(0.956)	205373	50.109	50.109
	24 bis(-2-Chloroethoxy)methane	93.00	8.532	(0.964)	356007	50.213	50.213
	25 Benzoic Acid	122.00	8.747	(1.224)	145579	50.208	50.208
	26 2,4-Dichlorophenol	162.00	8.711	(0.985)	205243	55.394	55.394
	27 1,2,4-Trichlorobenzene	180.00	8.768	(0.991)	218372	54.051	54.051
*	28 Naphthalene-d8	136.00	8.847	(1.000)	485317	40.000	
	29 Naphthalene	128.00	8.882	(1.004)	677245	50.933	50.933

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.004	(1.018)	304551	50.721	50.721
	31 Hexachlorobutadiene	225.00	9.075	(1.026)	143036	64.547	64.547
	32 4-Chloro-3-Methylphenol	107.00	9.854	(1.114)	258217	58.303	58.303
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	440939	53.719	53.719
	34 Hexachlorocyclopentadiene	237.00	10.268	(0.859)	138242	58.531	58.531
	35 2,4,6-Trichlorophenol	196.00	10.540	(0.882)	130990	49.708	49.708
	36 2,4,5-Trichlorphenol	196.00	10.640	(0.891)	154114	50.232	50.232
$	37 2-Fluorobiphenyl	172.00	10.668	(0.893)	500985	49.894	49.894
	38 2-Chloronaphthalene	162.00	10.868	(0.910)	428823	49.002	49.002
	39 2-Nitroaniline	138.00	11.118	(0.931)	188007	46.566	46.566
	40 Dimethylphthalate	163.00	11.497	(0.962)	557204	51.763	51.763
	41 Acenaphthylene	152.00	11.661	(0.976)	696573	49.351	49.351
	2 2,6-Dinitrotoluene	165.00	11.604	(0.971)	134535	53.496	53.496
	43 3-Nitroaniline	138.00	11.961	(1.001)	133536	43.873	43.873
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	263891	40.000	
	45 Acenaphthene	152.00	12.018	(1.006)	200700	48.763	48.763
	46 2,4-Dinitrophenol	184.00	12.168	(1.019)	57890	42.025	42.025
	47 4-Nitrophenol	109.00	12.532	(1.049)	63368	52.272	52.272
	48 Dibenzofuran	168.00	12.382	(1.036)	597441	48.465	48.465
	49 2,4-Dinitrotoluene	165.00	12.432	(1.041)	180735	53.147	53.147
	50 Fluorene	166.00	13.111	(1.097)	443731	47.699	47.699
	51 Diethylphthalate	149.00	12.989	(1.087)	551405	51.652	51.652
	52 4-Chlorophenyl-phenylether	204.00	13.161	(1.102)	230787	50.209	50.209
	53 4-Nitroaniline	138.00	13.268	(1.111)	133022	44.267	44.267
	54 4,6-Dinitro-o-cresol	198.00	13.304	(0.876)	92893	50.330	50.330
	55 N-nitrosodiphenylamine (1)	169.00	13.447	(0.886)	318597	48.169	48.169
	56 Azobenzene	77.00	13.504	(1.889)	644664	51.738	51.738
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.143)	77862	53.869	53.869
	58 4-Bromophenyl-phenylether	248.00	14.232	(0.937)	122719	51.774	51.774
	9 Hexachlorobenzene	284.00	14.311	(0.943)	135440	50.563	50.563
	o0 Pentachlorophenol	266.00	14.825	(0.976)	62378	43.319	43.319(M)
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	401667	40.000	
	62 Phenanthrene	178.00	15.239	(1.004)	593796	46.658	46.658
	63 Anthracene	178.00	15.354	(1.011)	589521	46.710	46.710
	64 Di-n-butylphthalate	149.00	16.761	(1.104)	864012	48.862	48.862
	65 Fluoranthene	202.00	17.996	(1.185)	584289	46.877	46.877
	66 Benzidine	184.00	18.454	(2.582)	93166	33.488	33.488
	67 Pyrene	202.00	18.511	(0.865)	590417	47.276	47.276
$	68 Terphenyl-d14	244.00	19.018	(0.889)	379450	47.914	47.914
	69 Butylbenzylphthalate	149.00	20.296	(0.948)	340186	48.366	48.366
	70 Benzo(a)anthracene	228.00	21.382	(0.999)	459962	46.611	46.611
*	71 Chrysene-d12	240.00	21.404	(1.000)	263248	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.432	(1.001)	156895	44.337	44.337
	73 Chrysene	228.00	21.468	(1.003)	389649	45.789	45.789
	74 bis(2-Ethylhexyl)phthalate	149.00	21.746	(1.016)	457076	47.925	47.925
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	748160	54.952	54.952
	76 Benzo(b)fluoranthene	252.00	23.768	(0.969)	385064	50.613	50.613
	77 Benzo(k)fluoranthene	252.00	23.832	(0.972)	366703	51.649	51.649
	78 Benzo(a)pyrene	252.00	24.418	(0.996)	332894	50.420	50.420

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	208045	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.589	(1.084)	284497	45.356	45.356
81 Dibenzo(a,h)anthracene	278.00	26.653	(1.087)	297887	50.398	50.398
82 Benzo(g,h,i)perylene	276.00	27.132	(1.106)	289006	46.043	46.043

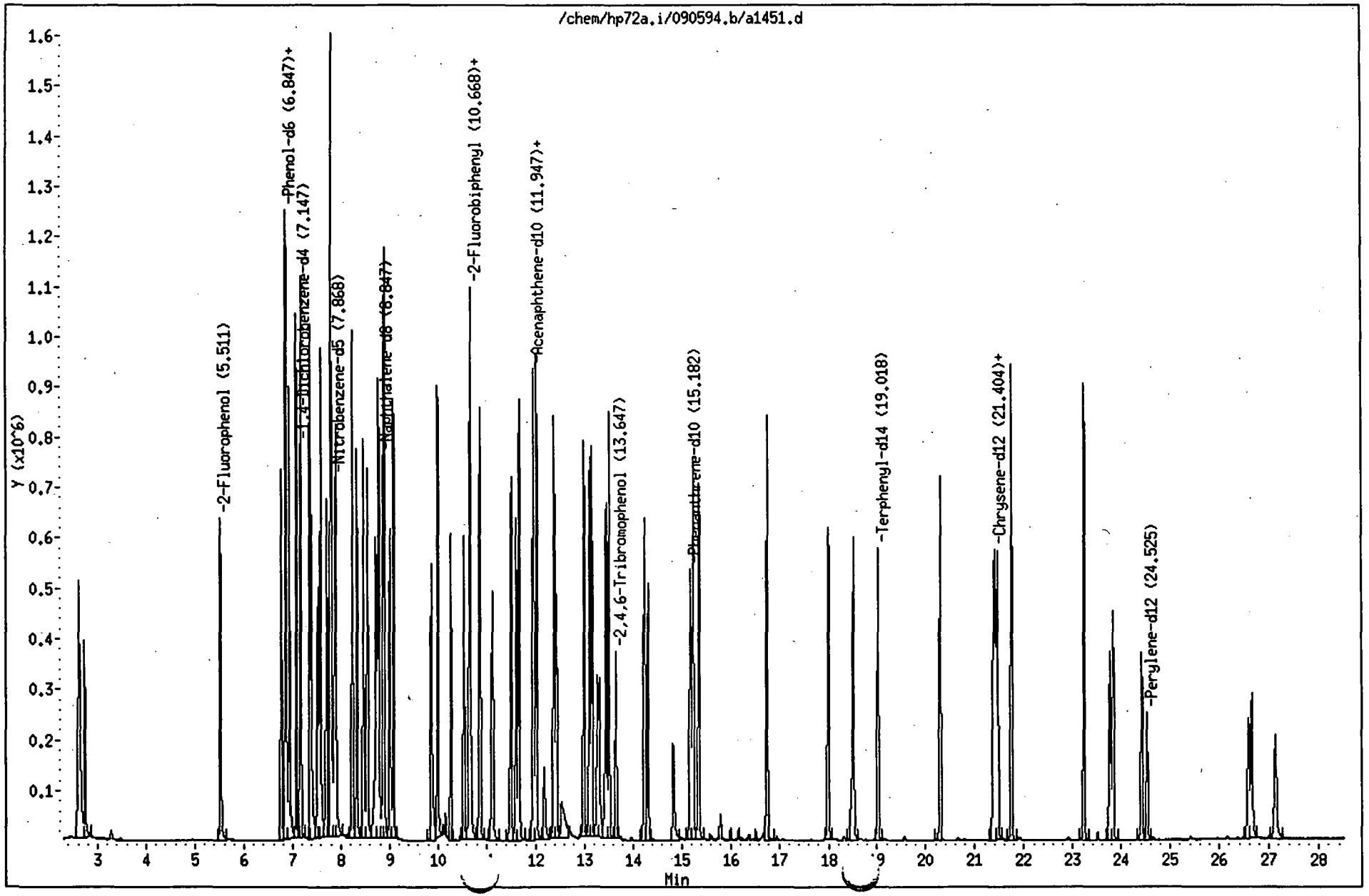
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/090594.b/a1451.d
Date : 05-SEP-94 14:43
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000262



Data File: /chem/hp72a.i/090694.b/a1470.d

Date : 06-SEP-94 10:35

Instrument : hp72a.i

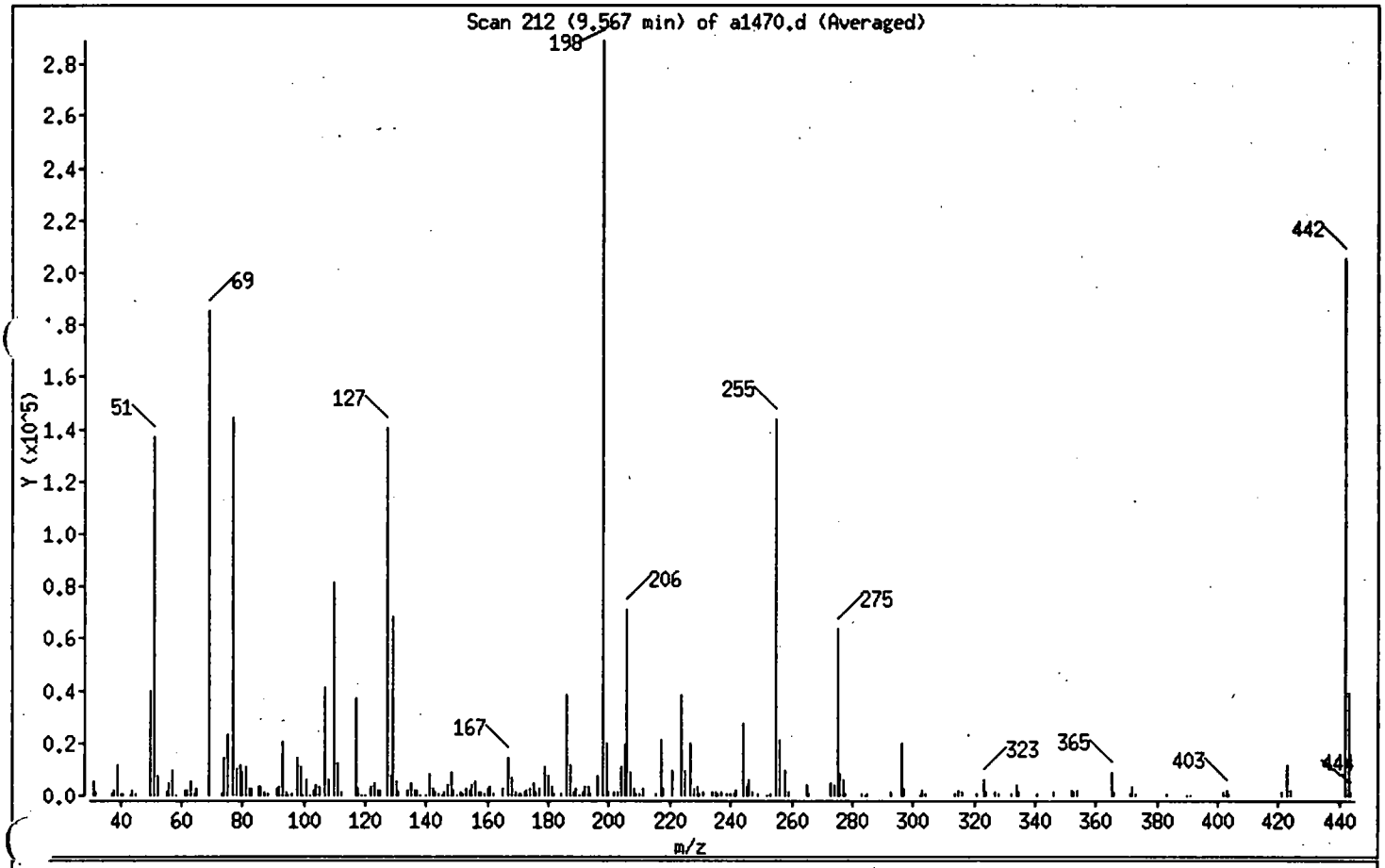
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.3
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	64.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	48.6
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	22.1
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	71.0
443	17.00 - 23.00% of mass 442	19.0

Data File: /chem/hp72a.i/090694.b/a1470.d
Date : 06-SEP-94 10:35
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.567 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5302	118.00	2841	181.00	3352	258.00	9604
37.00	611	119.00	201	182.00	499	259.00	1369
38.00	2162	120.00	199	184.00	738	265.00	4133
39.00	11725	122.00	3160	186.00	38208	266.00	439
40.00	465	123.00	4676	187.00	11812	273.00	4660
43.00	200	124.00	2119	188.00	1220	274.00	4054
45.00	598	125.00	1779	189.00	2737	275.00	63733
50.00	39730	127.00	140498	190.00	173	276.00	7989
51.00	136634	128.00	7536	191.00	1060	277.00	6496
52.00	7500	129.00	68221	192.00	3766	278.00	969
55.00	1353	130.00	5173	193.00	3594	283.00	460
56.00	4861	131.00	1066	194.00	635	284.00	240
57.00	9833	134.00	1918	196.00	7360	285.00	1006
58.00	245	135.00	5034	198.00	288960	293.00	1196
61.00	1801	136.00	1731	199.00	19526	296.00	19997
62.00	2306	137.00	2361	200.00	1638	297.00	2773
63.00	5387	138.00	259	202.00	1033	302.00	167
64.00	842	140.00	187	203.00	1547	303.00	2080
65.00	2485	141.00	8318	204.00	11117	304.00	771
69.00	185410	142.00	2642	205.00	18859	314.00	947
73.00	802	143.00	1664	206.00	71050	315.00	2320
74.00	14457	144.00	359	207.00	9041	316.00	1130
75.00	23546	145.00	185	208.00	2515	321.00	391
77.00	144512	146.00	1319	209.00	915	323.00	6075
78.00	10022	147.00	3919	210.00	759	324.00	1184
79.00	11925	148.00	8949	211.00	2877	327.00	1331
80.00	8864	149.00	1817	215.00	908	328.00	448
81.00	11183	150.00	215	217.00	20893	332.00	427
82.00	2794	151.00	1156	218.00	2532	334.00	3860
83.00	2447	152.00	446	221.00	9299	335.00	1054
85.00	3120	153.00	2663	224.00	38413	341.00	444
86.00	3385	154.00	1888	225.00	9626	346.00	1309
87.00	1602	155.00	3917	227.00	19593	352.00	1804
88.00	668	156.00	5708	228.00	2614	353.00	1320
91.00	3000	157.00	1120	229.00	3503	354.00	2000

Data File: /chem/hp72a.i/090694.b/a1470.d
Date : 06-SEP-94 10:35
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.567 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	3086	158.00	1492	230.00	404	365.00	9103
93.00	20713	159.00	1016	231.00	1360	366.00	1292
94.00	1338	160.00	2416	234.00	1181	371.00	404
95.00	168	161.00	3461	235.00	1130	372.00	3190
96.00	798	162.00	993	236.00	830	373.00	715
98.00	14566	165.00	2792	237.00	1077	383.00	742
99.00	11189	167.00	14686	239.00	746	390.00	212
100.00	198	168.00	7076	240.00	401	391.00	178
101.00	5958	169.00	1264	241.00	903	402.00	1332
102.00	186	170.00	470	242.00	2048	403.00	2057
103.00	1946	171.00	802	244.00	27338	404.00	613
104.00	3990	172.00	1538	245.00	3681	421.00	1649
105.00	3321	173.00	1821	246.00	6295	423.00	11458
107.00	41189	174.00	2986	247.00	1224	424.00	2100
108.00	6049	175.00	5056	249.00	990	442.00	205184
110.00	81442	176.00	1593	252.00	243	443.00	39024
111.00	12438	177.00	2669	253.00	775	444.00	1346
112.00	1481	179.00	11078	255.00	143554		
117.00	37298	180.00	7270	256.00	21245		

Data File: /chem/hp72a.i/090694.b/a1471.d
Report Date: 19-Sep-1994 17:35

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1471.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 06-SEP-94 10:55
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090694.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.168	0.010	31.6	500.0
	2 Pyridine	2.361	2.326	0.010	1.5	500.0
$	3 2-Fluorophenol	1.763	1.747	0.010	0.9	500.0
$	4 Phenol-d6	1.626	1.656	0.010	1.9	500.0
	5 Aniline	2.401	2.281	0.010	5.0	500.0
	6 Phenol	2.026	2.005	0.010	1.0	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.600	0.010	1.8	500.0
	8 2-Chlorophenol	1.563	1.549	0.010	0.9	500.0
	9 1,3-Dichlorobenzene	1.588	1.630	0.010	2.6	500.0
	11 1,4-Dichlorobenzene	1.536	1.542	0.010	0.4	30.0
	12 Benzyl alcohol	1.020	0.837	0.010	17.9	500.0
	13 1,2-Dichlorobenzene	1.493	1.523	0.010	2.0	500.0
	14 2-Methylphenol	1.426	1.388	0.010	2.7	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.087	0.010	2.7	500.0
	16 3- & 4-Methylphenol	1.259	1.267	0.010	0.6	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.459	0.050	11.8	500.0
	18 Hexachloroethane	0.567	0.645	0.010	13.7	500.0
$	19 Nitrobenzene-d5	0.486	0.586	0.010	20.5	500.0
	20 Nitrobenzene	0.474	0.608	0.010	28.2	500.0
	21 Isophorone	0.979	1.064	0.010	8.7	500.0
	22 2-Nitrophenol	0.296	0.310	0.010	5.0	30.0
	23 2,4-Dimethyphenol	0.338	0.342	0.010	1.2	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.599	0.010	2.5	500.0
	25 Benzoic Acid	0.791	0.826	0.010	4.4	500.0
	26 2,4-Dichlorophenol	0.305	0.337	0.010	10.4	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.348	0.010	4.6	500.0
	29 Naphthalene	1.096	1.095	0.010	0.1	500.0
	30 4-Chloroaniline	0.495	0.452	0.010	8.7	500.0
	31 Hexachlorobutadiene	0.183	0.233	0.010	27.8	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.443	0.010	21.4	30.0
	33 2-Methylnaphthalene	0.677	0.717	0.010	6.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.421	0.050	17.7	500.0
	35 2,4,6-Trichlorophenol	0.399	0.408	0.010	2.1	30.0
	36 2,4,5-Trichlorphenol	0.465	0.472	0.010	1.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.507	0.010	1.0	500.0
	38 2-Chloronaphthalene	1.326	1.291	0.010	2.7	500.0
	39 2-Nitroaniline	0.612	0.577	0.010	5.6	500.0
	40 Dimethylphthalate	1.632	1.674	0.010	2.6	500.0
	41 Acenaphthylene	2.139	2.058	0.010	3.8	500.0
	42 2,6-Dinitrotoluene	0.381	0.403	0.010	5.8	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1471.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 06-SEP-94 10:55
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090694.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.392	0.010	14.9	500.0
	45 Acenaphthene	0.624	0.603	0.010	3.4	30.0
	46 2,4-Dinitrophenol	0.209	0.198	0.050	5.1	500.0
	47 4-Nitrophenol	0.184	0.242	0.050	31.8	500.0
	48 Dibenzofuran	1.869	1.791	0.010	4.2	500.0
	49 2,4-Dinitrotoluene	0.515	0.547	0.010	6.2	500.0
	50 Fluorene	1.410	1.335	0.010	5.3	500.0
	51 Diethylphthalate	1.618	1.753	0.010	8.4	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.692	0.010	0.6	500.0
	53 4-Nitroaniline	0.455	0.372	0.010	18.3	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.196	0.010	6.7	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.621	0.010	5.8	30.0
	56 Azobenzene	3.399	3.765	0.010	10.8	500.0
$	57 2,4,6-Tribromophenol	0.219	0.233	0.010	6.3	500.0
	58 4-Bromophenyl-phenylether	0.236	0.239	0.010	1.3	500.0
	59 Hexachlorobenzene	0.267	0.265	0.010	0.7	500.0
	60 Pentachlorophenol	0.143	0.129	0.010	10.1	30.0
	62 Phenanthrene	1.267	1.154	0.010	8.9	500.0
	63 Anthracene	1.257	1.173	0.010	6.7	500.0
	64 Di-n-butylphthalate	1.761	1.678	0.010	4.7	500.0
	65 Fluoranthene	1.241	1.150	0.010	7.4	30.0
	66 Benzidine	0.759	0.440	0.010	42.0	500.0
	67 Pyrene	1.898	1.756	0.010	7.5	500.0
$	68 Terphenyl-d14	1.203	1.172	0.010	2.6	500.0
	69 Butylbenzylphthalate	1.069	1.043	0.010	2.4	500.0
	70 Benzo(a)anthracene	1.499	1.367	0.010	8.8	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.442	0.010	17.8	500.0
	73 Chrysene	1.293	1.162	0.010	10.1	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.366	0.010	5.7	500.0
	75 Di-n-octylphthalate	2.618	2.921	0.010	11.6	30.0
	76 Benzo(b)fluoranthene	1.463	1.457	0.010	0.4	500.0
	77 Benzo(k)fluoranthene	1.365	1.400	0.010	2.6	500.0
	78 Benzo(a)pyrene	1.269	1.263	0.010	0.5	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.064	0.010	11.7	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.132	0.010	0.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.160	0.010	3.8	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1471.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 10:55 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.602	(0.364)	217022	65.802	65.802
	2 Pyridine	79.00	2.610	(0.000)	432119	49.268	49.268(M)
$	3 2-Fluorophenol	112.00	5.502	(0.770)	324495	49.534	49.534
$	4 Phenol-d6	99.00	6.831	(0.956)	307599	50.926	50.926
	5 Aniline	93.00	6.752	(0.945)	423792	47.514	47.514
	6 Phenol	94.00	6.852	(0.959)	372424	49.479	49.479
	7 bis(-2-Chloroethyl)Ether	93.00	6.838	(0.957)	297214	49.100	49.100
	8 2-Chlorophenol	128.00	6.924	(0.969)	287843	49.563	49.563
	9 1,3-Dichlorobenzene	146.00	7.067	(0.989)	302760	51.303	51.303
	0 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	148616	40.000	
	11 1,4-Dichlorobenzene	146.00	7.167	(1.003)	286530	50.218	50.218
	12 Benzyl alcohol	108.00	7.388	(1.034)	155570	41.060	41.060
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	282839	50.984	50.984
	14 2-Methylphenol	108.00	7.574	(1.060)	257786	48.671	48.671
	15 Bis(2-chloroisopropyl)ether	45.00	7.516	(1.052)	387622	51.363	51.363
	16 3- & 4-Methylphenol	108.00	7.781	(1.089)	470594	100.613	100.613
	17 N-Nitroso-di-n-propylamine	70.00	7.709	(1.079)	271096	55.913	55.913
	18 Hexachloroethane	117.00	7.774	(1.088)	119834	56.854	56.854
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	376966	60.269	60.269
	20 Nitrobenzene	77.00	7.888	(0.892)	390872	64.085	64.085
	21 Isophorone	82.00	8.231	(0.931)	684041	54.342	54.342
	22 2-Nitrophenol	139.00	8.316	(0.940)	199593	52.500	52.500
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	219846	50.601	50.601
	24 bis(-2-Chloroethoxy)methane	93.00	8.531	(0.964)	385198	51.252	51.252
	25 Benzoic Acid	122.00	8.752	(1.225)	153420	52.211	52.211
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	216864	55.214	55.214
	27 1,2,4-Trichlorobenzene	180.00	8.766	(0.991)	224082	52.322	52.322
*	28 Naphthalene-d8	136.00	8.845	(1.000)	514466	40.000	
	29 Naphthalene	128.00	8.881	(1.004)	704294	49.966	49.966

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.995	(1.017)	290626	45.660	45.660
	31 Hexachlorobutadiene	225.00	9.066	(1.025)	150086	63.891	63.891
	32 4-Chloro-3-Methylphenol	107.00	9.852	(1.114)	285077	60.721	60.721
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	461398	53.027	53.027
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	148264	58.850	58.850
	35 2,4,6-Trichlorophenol	196.00	10.531	(0.882)	143431	51.026	51.026
	36 2,4,5-Trichlorphenol	196.00	10.631	(0.890)	166122	50.761	50.761
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	530344	49.516	49.516
	38 2-Chloronaphthalene	162.00	10.859	(0.909)	454280	48.666	48.666
	39 2-Nitroaniline	138.00	11.116	(0.931)	203190	47.181	47.181
	40 Dimethylphthalate	163.00	11.488	(0.962)	589138	51.309	51.309
	41 Acenaphthylene	152.00	11.659	(0.976)	723975	48.086	48.086
	42 2,6-Dinitrotoluene	165.00	11.602	(0.971)	141917	52.903	52.903
	43 3-Nitroaniline	138.00	11.952	(1.001)	138099	42.536	42.536
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	281487	40.000	
	45 Acenaphthene	152.00	12.009	(1.005)	211999	48.288	48.288
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	69757	47.474	47.474
	47 4-Nitrophenol	109.00	12.516	(1.048)	85246	65.923	65.923(MH)
	48 Dibenzofuran	168.00	12.374	(1.036)	630084	47.918	47.918
	49 2,4-Dinitrotoluene	165.00	12.424	(1.040)	192538	53.078	53.078
	50 Fluorene	166.00	13.102	(1.097)	469689	47.333	47.333
	51 Diethylphthalate	149.00	12.988	(1.087)	616984	54.182	54.182
	52 4-Chlorophenyl-phenylether	204.00	13.152	(1.101)	243656	49.695	49.695
	53 4-Nitroaniline	138.00	13.266	(1.111)	130892	40.835	40.835
	54 4,6-Dinitro-o-cresol	198.00	13.302	(0.877)	103768	53.350	53.350
	55 N-nitrosodiphenylamine (1)	169.00	13.438	(0.886)	328403	47.115	47.115
	56 Azobenzene	77.00	13.495	(1.889)	699370	55.384	55.384
$	57 2,4,6-Tribromophenol	330.00	13.645	(1.142)	81981	53.173	53.173
	58 4-Bromophenyl-phenylether	248.00	14.231	(0.938)	126515	50.649	50.649
	59 Hexachlorobenzene	284.00	14.302	(0.943)	140086	49.626	49.626
	60 Pentachlorophenol	266.00	14.816	(0.976)	68188	44.934	44.934
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	423291	40.000	
	62 Phenanthrene	178.00	15.231	(1.004)	610692	45.534	45.534
	63 Anthracene	178.00	15.352	(1.012)	620449	46.649	46.649
	64 Di-n-butylphthalate	149.00	16.752	(1.104)	887846	47.645	47.645
	65 Fluoranthene	202.00	17.995	(1.186)	608238	46.305	46.305
	66 Benzidine	184.00	18.452	(2.582)	81710	28.980	28.980
	67 Pyrene	202.00	18.502	(0.865)	605875	46.260	46.260
$	68 Terphenyl-d14	244.00	19.009	(0.888)	404426	48.695	48.695
	69 Butylbenzylphthalate	149.00	20.288	(0.948)	359971	48.801	48.801
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	471839	45.593	45.593
*	71 Chrysene-d12	240.00	21.402	(1.000)	276075	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.001)	152612	41.123	41.123
	73 Chrysene	228.00	21.459	(1.003)	401047	44.939	44.939
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	471498	47.140	47.140
	75 Di-n-octylphthalate	149.00	23.216	(0.947)	772620	55.794	55.794
	76 Benzo(b)fluoranthene	252.00	23.759	(0.969)	385462	49.813	49.813
	77 Benzo(k)fluoranthene	252.00	23.823	(0.972)	370340	51.284	51.284
	78 Benzo(a)pyrene	252.00	24.409	(0.996)	334126	49.756	49.756

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	211604	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.580	(1.084)	281562	44.133	44.133
81 Dibenzo(a,h)anthracene	278.00	26.645	(1.087)	299465	49.813	49.813
82 Benzo(g,h,i)perylene	276.00	27.123	(1.106)	306922	48.075	48.075

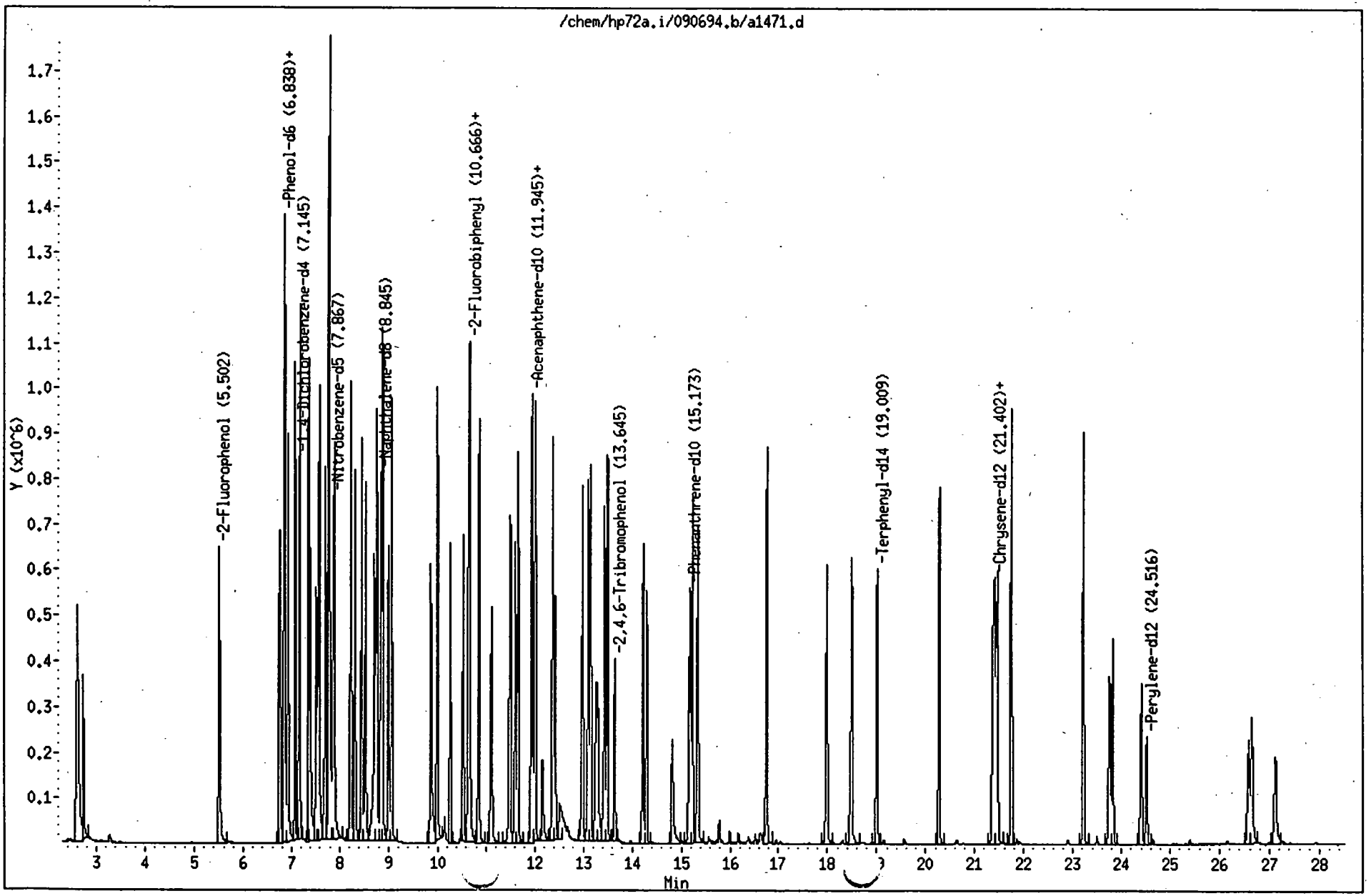
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/090694.b/a1471.d
Date : 06-SEP-94 10:55
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000271



Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

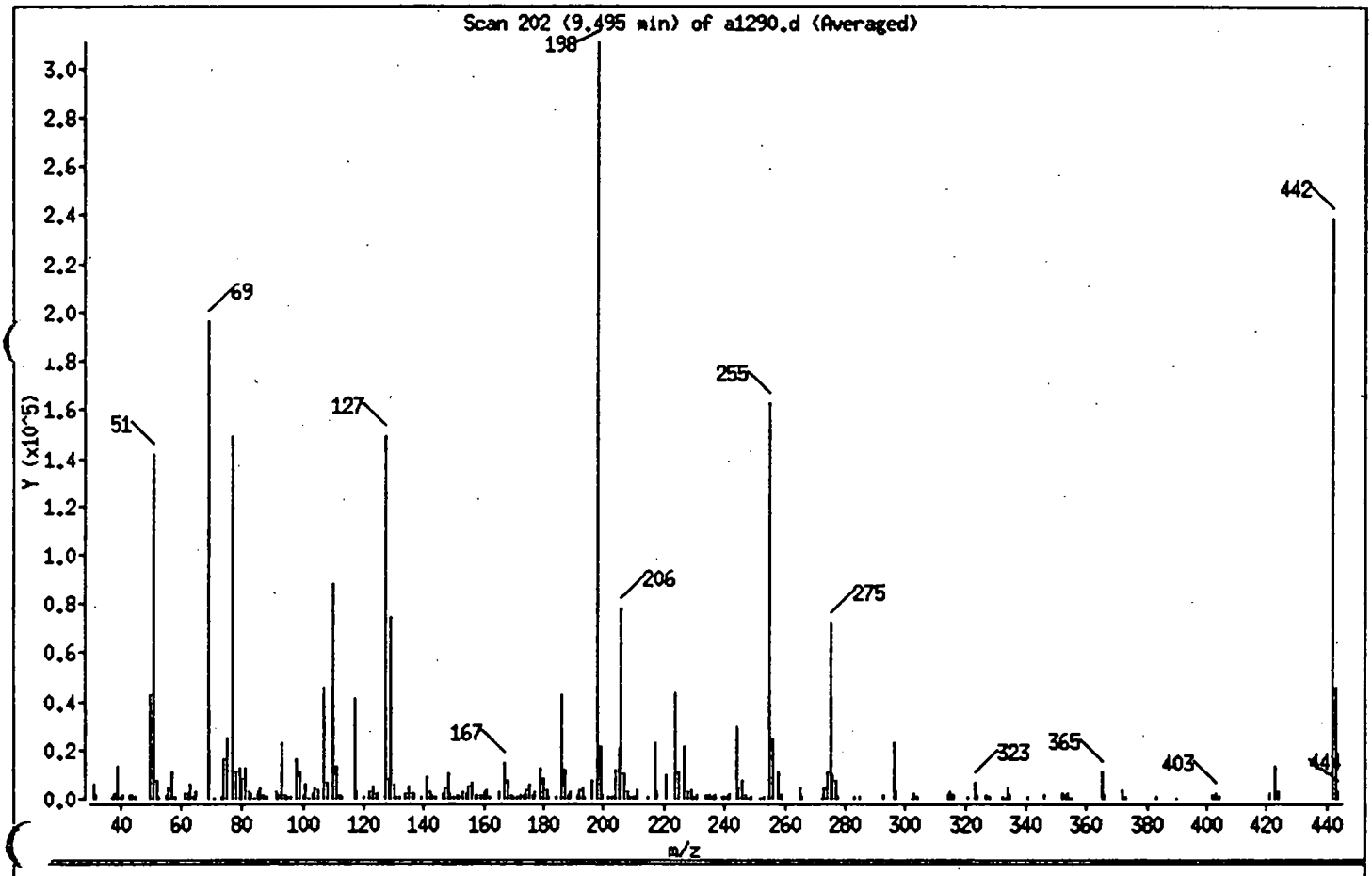
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.5
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.0
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	23.1
365	Greater than 1.00% of mass 198	3.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	76.9
443	17.00 - 23.00% of mass 442	19.0

Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 202-204 (9.495 min), Subtraction Scan 193

Location of Maximum: 198.00

Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6233	111.00	13220	180.00	8086	258.00	11182
37.00	923	112.00	1766	181.00	3488	259.00	1616
38.00	2225	113.00	445	182.00	404	265.00	4367
39.00	12891	117.00	41450	184.00	681	266.00	463
40.00	425	118.00	3049	186.00	42648	272.00	259
41.00	425	120.00	466	187.00	12011	273.00	4468
43.00	123	122.00	3175	188.00	1537	274.00	11281
45.00	568	123.00	4966	189.00	3111	275.00	71674
50.00	42594	124.00	2397	191.00	1481	276.00	9640
51.00	141504	125.00	2148	192.00	4009	277.00	7348
52.00	7361	127.00	148986	193.00	4168	278.00	1074
53.00	381	128.00	8062	194.00	799	283.00	489
55.00	1060	129.00	74093	196.00	7343	285.00	978
56.00	4769	130.00	5908	198.00	310933	293.00	1423
57.00	9887	131.00	1097	199.00	21295	296.00	22714
58.00	397	132.00	414	200.00	1752	297.00	3206
61.00	2084	134.00	1888	202.00	1026	302.00	176
62.00	2099	135.00	5267	203.00	833	303.00	2420
63.00	5845	136.00	2054	204.00	11406	304.00	744
64.00	844	137.00	2414	205.00	20666	314.00	1315
65.00	2708	139.00	374	206.00	77584	315.00	2635
69.00	196006	141.00	8875	207.00	9967	316.00	1217
71.00	180	142.00	2843	208.00	3137	321.00	406
73.00	536	143.00	1824	209.00	981	323.00	6911
74.00	16012	144.00	373	210.00	538	324.00	1365
75.00	25161	146.00	1905	211.00	3625	327.00	1385
77.00	149160	147.00	4480	215.00	1071	328.00	555
78.00	10676	148.00	10564	217.00	22808	332.00	466
79.00	12778	149.00	1894	218.00	2957	333.00	253
80.00	8449	150.00	525	221.00	9237	334.00	4612
81.00	12366	151.00	1107	224.00	43285	335.00	1266
82.00	3092	152.00	492	225.00	11023	341.00	409
83.00	2527	153.00	2699	227.00	21008	346.00	1646
84.00	172	154.00	2061	228.00	2966	352.00	2308
85.00	2814	155.00	5035	229.00	3694	353.00	1644

Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 202-204 (9.495 min), Subtraction Scan 193

Location of Maximum: 198.00

Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4181	156.00	6681	230.00	528	354.00	2134
87.00	1630	157.00	1187	231.00	1546	355.00	364
88.00	550	158.00	1537	234.00	1392	365.00	11385
91.00	3125	159.00	1280	235.00	1362	366.00	1449
92.00	1367	160.00	2714	236.00	891	372.00	3594
93.00	22664	161.00	3773	237.00	1234	373.00	981
94.00	1579	162.00	995	239.00	671	383.00	1031
95.00	443	165.00	3128	240.00	490	390.00	169
96.00	748	167.00	14920	241.00	1192	402.00	1611
98.00	15818	168.00	7539	242.00	2187	403.00	2214
99.00	11231	169.00	1253	244.00	29573	404.00	534
100.00	1277	170.00	506	245.00	4236	421.00	1872
101.00	5853	171.00	413	246.00	7149	423.00	13285
102.00	176	172.00	1511	247.00	1312	424.00	2713
103.00	2204	173.00	1611	248.00	174	442.00	239189
104.00	4061	174.00	3477	249.00	1055	443.00	45520
105.00	3801	175.00	5784	252.00	197	444.00	2724
107.00	45453	176.00	1755	253.00	530		
108.00	6972	177.00	2988	255.00	162488		
110.00	88541	179.00	12559	256.00	24157		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1491.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 07-SEP-94 16:35
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090794.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.133	0.010	27.6	500.0
	2 Pyridine	2.361	2.325	0.010	1.5	500.0
$	3 2-Fluorophenol	1.763	1.760	0.010	0.2	500.0
$	4 Phenol-d6	1.626	1.727	0.010	6.2	500.0
	5 Aniline	2.401	1.861	0.010	22.5	500.0
	6 Phenol	2.026	2.143	0.010	5.8	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.600	0.010	1.8	500.0
	8 2-Chlorophenol	1.563	1.543	0.010	1.3	500.0
	9 1,3-Dichlorobenzene	1.588	1.639	0.010	3.2	500.0
	11 1,4-Dichlorobenzene	1.536	1.605	0.010	4.5	30.0
	12 Benzyl alcohol	1.020	0.877	0.010	14.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.554	0.010	4.1	500.0
	14 2-Methylphenol	1.426	1.368	0.010	4.0	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.852	0.010	8.8	500.0
	16 3- & 4-Methylphenol	1.259	1.247	0.010	1.0	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.320	0.050	1.1	500.0
	18 Hexachloroethane	0.567	0.674	0.010	18.7	500.0
$	19 Nitrobenzene-d5	0.486	0.587	0.010	20.7	500.0
	20 Nitrobenzene	0.474	0.587	0.010	23.7	500.0
	21 Isophorone	0.979	1.014	0.010	3.6	500.0
	22 2-Nitrophenol	0.296	0.291	0.010	1.4	30.0
	23 2,4-Dimethyphenol	0.338	0.337	0.010	0.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.581	0.010	0.5	500.0
	25 Benzoic Acid	0.791	0.876	0.010	10.8	500.0
	26 2,4-Dichlorophenol	0.305	0.329	0.010	7.7	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.366	0.010	10.0	500.0
	29 Naphthalene	1.096	1.123	0.010	2.4	500.0
	30 4-Chloroaniline	0.495	0.352	0.010	28.8	500.0
	31 Hexachlorobutadiene	0.183	0.236	0.010	29.4	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.407	0.010	11.6	30.0
	33 2-Methylnaphthalene	0.677	0.695	0.010	2.7	500.0
	34 Hexachlorocyclopentadiene	0.358	0.435	0.050	21.5	500.0
	35 2,4,6-Trichlorophenol	0.399	0.398	0.010	0.4	30.0
	36 2,4,5-Trichlorphenol	0.465	0.494	0.010	6.2	500.0
$	37 2-Fluorobiphenyl	1.522	1.540	0.010	1.2	500.0
	38 2-Chloronaphthalene	1.326	1.293	0.010	2.5	500.0
	39 2-Nitroaniline	0.612	0.549	0.010	10.2	500.0
	40 Dimethylphthalate	1.632	1.606	0.010	1.6	500.0
	41 Acenaphthylene	2.139	2.061	0.010	3.6	500.0
	42 2,6-Dinitrotoluene	0.381	0.362	0.010	5.1	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1491.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 07-SEP-94 16:35
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090794.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.461	0.343	0.010	25.6	500.0	
	45 Acenaphthene	0.624	0.608	0.010	2.6	30.0	
	46 2,4-Dinitrophenol	0.209	0.173	0.050	17.3	500.0	
	47 4-Nitrophenol	0.184	0.279	0.050	51.9	500.0	
	48 Dibenzofuran	1.869	1.809	0.010	3.2	500.0	
	49 2,4-Dinitrotoluene	0.515	0.495	0.010	3.9	500.0	
	50 Fluorene	1.410	1.344	0.010	4.7	500.0	
	51 Diethylphthalate	1.618	1.669	0.010	3.2	500.0	
	52 4-Chlorophenyl-phenylether	0.697	0.692	0.010	0.7	500.0	
	53 4-Nitroaniline	0.455	0.370	0.010	18.8	500.0	
	54 4,6-Dinitro-o-cresol	0.184	0.169	0.010	8.1	500.0	
	55 N-nitrosodiphenylamine (1)	0.659	0.604	0.010	8.4	30.0	
	56 Azobenzene	3.399	3.327	0.010	2.1	500.0	
$	57 2,4,6-Tribromophenol	0.219	0.230	0.010	5.1	500.0	
	58 4-Bromophenyl-phenylether	0.236	0.233	0.010	1.1	500.0	
	59 Hexachlorobenzene	0.267	0.260	0.010	2.5	500.0	
	60 Pentachlorophenol	0.143	0.148	0.010	2.9	30.0	
	62 Phenanthrene	1.267	1.199	0.010	5.4	500.0	
	63 Anthracene	1.257	1.181	0.010	6.0	500.0	
	64 Di-n-butylphthalate	1.761	1.673	0.010	5.0	500.0	
	65 Fluoranthene	1.241	1.204	0.010	3.0	30.0	
	66 Benzidine	0.759	++++	0.010	++++	500.0	<-
	67 Pyrene	1.898	1.567	0.010	17.4	500.0	
$	68 Terphenyl-d14	1.203	1.034	0.010	14.1	500.0	
	69 Butylbenzylphthalate	1.069	0.902	0.010	15.6	500.0	
	70 Benzo(a)anthracene	1.499	1.338	0.010	10.8	500.0	
	72 3,3'-Dichlorobenzidine	0.538	0.391	0.010	27.2	500.0	
	73 Chrysene	1.293	1.188	0.010	8.1	500.0	
	74 bis(2-Ethylhexyl)phthalate	1.449	1.166	0.010	19.5	500.0	
	75 Di-n-octylphthalate	2.618	2.374	0.010	9.3	30.0	
	76 Benzo(b)fluoranthene	1.463	1.371	0.010	6.3	500.0	
	77 Benzo(k)fluoranthene	1.365	1.345	0.010	1.4	500.0	
	78 Benzo(a)pyrene	1.269	1.269	0.010	0.0	30.0	
	80 Indeno(1,2,3-cd)pyrene	1.206	1.223	0.010	1.4	500.0	
	81 Dibenzo(a,h)anthracene	1.136	1.167	0.010	2.7	500.0	
	82 Benzo(g,h,i)perylene	1.207	1.246	0.010	3.2	500.0	

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1491.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 16:35 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.468	(0.348)	103423	63.823	63.823
	2 Pyridine	79.00	2.503	(0.353)	212173	49.235	49.235
$	3 2-Fluorophenol	112.00	5.453	(0.769)	160679	49.921	49.921
$	4 Phenol-d6	99.00	6.782	(0.957)	157642	53.119	53.119
	5 Aniline	93.00	6.696	(0.945)	169873	38.763	38.763
	6 Phenol	94.00	6.803	(0.960)	195646	52.902	52.902
	7 bis(-2-Chloroethyl)Ether	93.00	6.782	(0.957)	146050	49.106	49.106
	8 2-Chlorophenol	128.00	6.868	(0.969)	140794	49.341	49.341
	9 1,3-Dichlorobenzene	146.00	7.010	(0.989)	149588	51.590	51.590
	0 1,4-Dichlorobenzene-d4	152.00	7.089	(1.000)	73020	40.000	
	11 1,4-Dichlorobenzene	146.00	7.110	(1.003)	146517	52.264	52.264
	12 Benzyl alcohol	108.00	7.325	(1.033)	80059	43.006	43.006
	13 1,2-Dichlorobenzene	146.00	7.296	(1.029)	141858	52.044	52.044
	14 2-Methylphenol	108.00	7.518	(1.060)	124901	47.995	47.995
	15 Bis(2-chloroisopropyl)ether	45.00	7.460	(1.052)	169006	45.580	45.580
	16 3- & 4-Methylphenol	108.00	7.725	(1.090)	227580	99.030	99.030
	17 N-Nitroso-di-n-propylamine	70.00	7.639	(1.078)	120467	50.568	50.568
	18 Hexachloroethane	117.00	7.718	(1.089)	61484	59.370	59.370
$	19 Nitrobenzene-d5	82.00	7.803	(0.889)	171219	60.356	60.356
	20 Nitrobenzene	77.00	7.825	(0.892)	171087	61.847	61.847
	21 Isophorone	82.00	8.153	(0.929)	295729	51.800	51.800
	22 2-Nitrophenol	139.00	8.246	(0.940)	84988	49.289	49.289
	23 2,4-Dimethyphenol	122.00	8.382	(0.955)	98275	49.872	49.872
	24 bis(-2-Chloroethoxy)methane	93.00	8.468	(0.965)	169587	49.750	49.750
	25 Benzoic Acid	122.00	8.625	(1.217)	79989	55.403	55.403
	26 2,4-Dichlorophenol	162.00	8.639	(0.985)	95943	53.858	53.858
	27 1,2,4-Trichlorobenzene	180.00	8.696	(0.991)	106811	54.988	54.988
*	28 Naphthalene-d8	136.00	8.775	(1.000)	233335	40.000	
	29 Naphthalene	128.00	8.810	(1.004)	327424	51.216	51.216

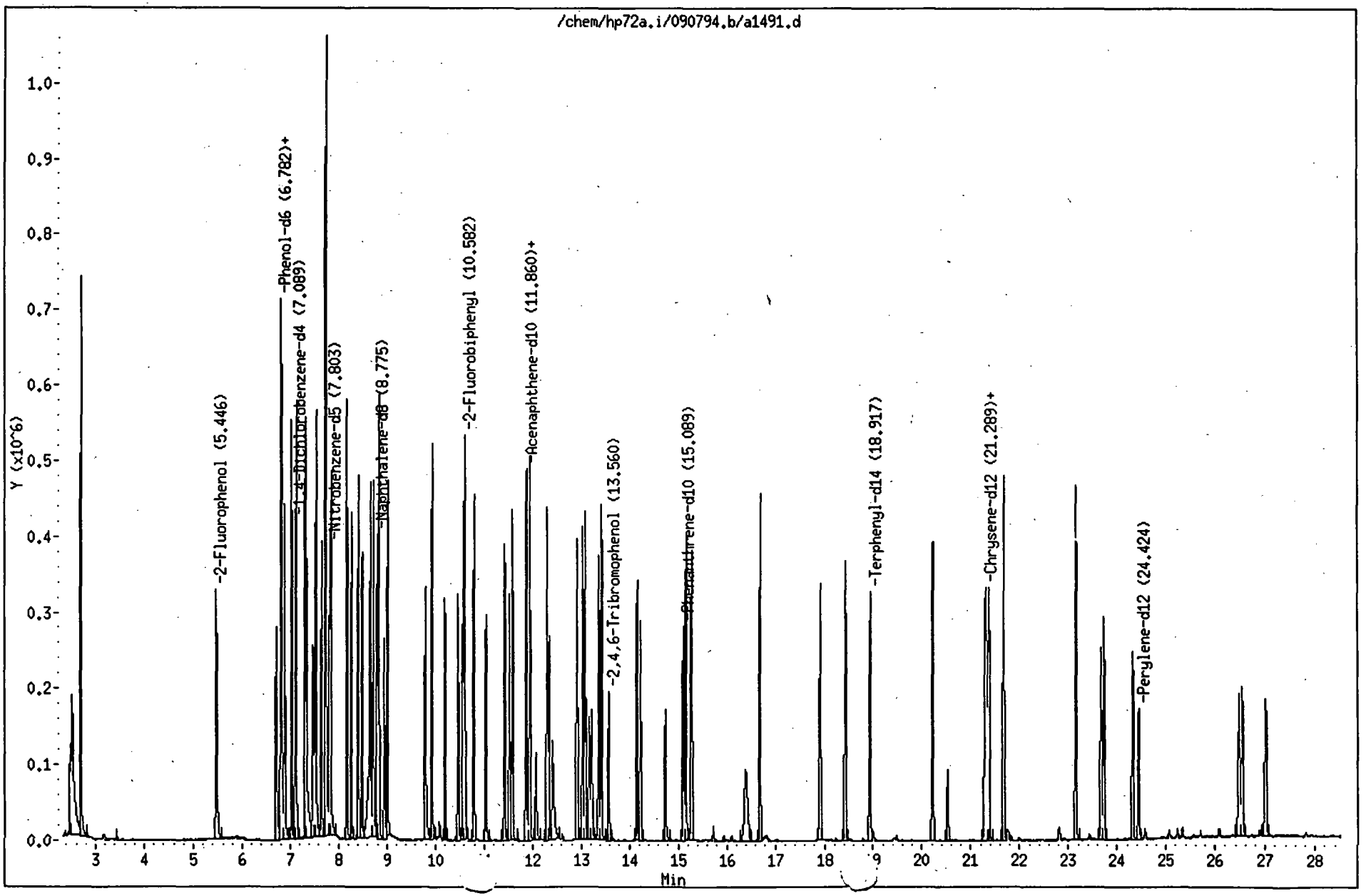
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.925	(1.017)	102706	35.577	35.577
	31 Hexachlorobutadiene	225.00	8.996	(1.025)	68928	64.695	64.695
	32 4-Chloro-3-Methylphenol	107.00	9.782	(1.115)	118787	55.785	55.785
	33 2-Methylnaphthalene	142.00	9.910	(1.129)	202740	51.373	51.373
	34 Hexachlorocyclopentadiene	237.00	10.182	(0.858)	66415	60.740	60.740
	35 2,4,6-Trichlorophenol	196.00	10.453	(0.881)	60774	49.816	49.816
	36 2,4,5-Trichlorphenol	196.00	10.553	(0.890)	75436	53.111	53.111
$	37 2-Fluorobiphenyl	172.00	10.589	(0.893)	235122	50.580	50.580
	38 2-Chloronaphthalene	162.00	10.782	(0.909)	197447	48.737	48.737
	39 2-Nitroaniline	138.00	11.025	(0.930)	83905	44.890	44.890
	40 Dimethylphthalate	163.00	11.403	(0.961)	245228	49.209	49.209
	41 Acenaphthylene	152.00	11.575	(0.976)	314803	48.177	48.177
	2 2,6-Dinitrotoluene	165.00	11.510	(0.970)	55239	47.446	47.446
	43 3-Nitroaniline	138.00	11.853	(0.999)	52397	37.185	37.185
*	44 Acenaphthene-d10	164.00	11.860	(1.000)	122168	40.000	
	45 Acenaphthene	152.00	11.925	(1.005)	92772	48.689	48.689
	46 2,4-Dinitrophenol	184.00	12.060	(1.017)	26369	41.349	41.349
	47 4-Nitrophenol	109.00	12.403	(1.046)	42618	75.937	75.937
	48 Dibenzofuran	168.00	12.289	(1.036)	276303	48.416	48.416
	49 2,4-Dinitrotoluene	165.00	12.332	(1.040)	75654	48.054	48.054
	50 Fluorene	166.00	13.017	(1.098)	205290	47.668	47.668
	51 Diethylphthalate	149.00	12.903	(1.088)	254906	51.578	51.578
	52 4-Chlorophenyl-phenylether	204.00	13.067	(1.102)	105698	49.671	49.671
	53 4-Nitroaniline	138.00	13.160	(1.110)	56448	40.576	40.576
	54 4,6-Dinitro-o-cresol	198.00	13.203	(0.875)	39377	45.935	45.935
	55 N-nitrosodiphenylamine (1)	169.00	13.353	(0.885)	140773	45.825	45.825
	56 Azobenzene	77.00	13.410	(1.892)	303654	48.942	48.942
$	57 2,4,6-Tribromophenol	330.00	13.560	(1.143)	35178	52.572	52.572
	58 4-Bromophenyl-phenylether	248.00	14.139	(0.937)	54446	49.457	49.457
	9 Hexachlorobenzene	284.00	14.210	(0.942)	60662	48.760	48.760
	60 Pentachlorophenol	266.00	14.725	(0.976)	34397	51.431	51.431
*	61 Phenanthrene-d10	188.00	15.082	(1.000)	186555	40.000	
	62 Phenanthrene	178.00	15.139	(1.004)	279489	47.284	47.284
	63 Anthracene	178.00	15.260	(1.012)	275464	46.993	46.993
	64 Di-n-butylphthalate	149.00	16.674	(1.106)	390113	47.501	47.501
	65 Fluoranthene	202.00	17.896	(1.187)	280836	48.511	48.511
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.410	(0.864)	290023	41.296	41.296
$	68 Terphenyl-d14	244.00	18.917	(0.888)	191279	42.950	42.950
	69 Butylbenzylphthalate	149.00	20.203	(0.948)	166824	42.177	42.177
	70 Benzo(a)anthracene	228.00	21.274	(0.999)	247615	44.621	44.621
*	71 Chrysene-d12	240.00	21.303	(1.000)	148037	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.331	(1.001)	72429	36.397	36.397
	73 Chrysene	228.00	21.360	(1.003)	219808	45.933	45.933
	74 bis(2-Ethylhexyl)phthalate	149.00	21.660	(1.017)	215758	40.229	40.229
	75 Di-n-octylphthalate	149.00	23.139	(0.947)	370563	45.341	45.341
	76 Benzo(b)fluoranthene	252.00	23.660	(0.969)	213984	46.854	46.854
	77 Benzo(k)fluoranthene	252.00	23.724	(0.971)	210036	49.281	49.281
	78 Benzo(a)pyrene	252.00	24.310	(0.995)	198089	49.979	49.979

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.424	(1.000)	124889	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.467	(1.084)	190899	50.698	50.698
81 Dibenzo(a,h)anthracene	278.00	26.531	(1.086)	182247	51.364	51.364
82 Benzo(g,h,i)perylene	276.00	27.003	(1.106)	194460	51.609	51.609

Data File: /chem/hp72a.i/090794.b/a1491.d
Date : 07-SEP-94 16:35
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000280



Data File: /chem/hp72a.i/090894.b/a1520.d

Date : 08-SEP-94 09:21

Instrument : hp72a.i

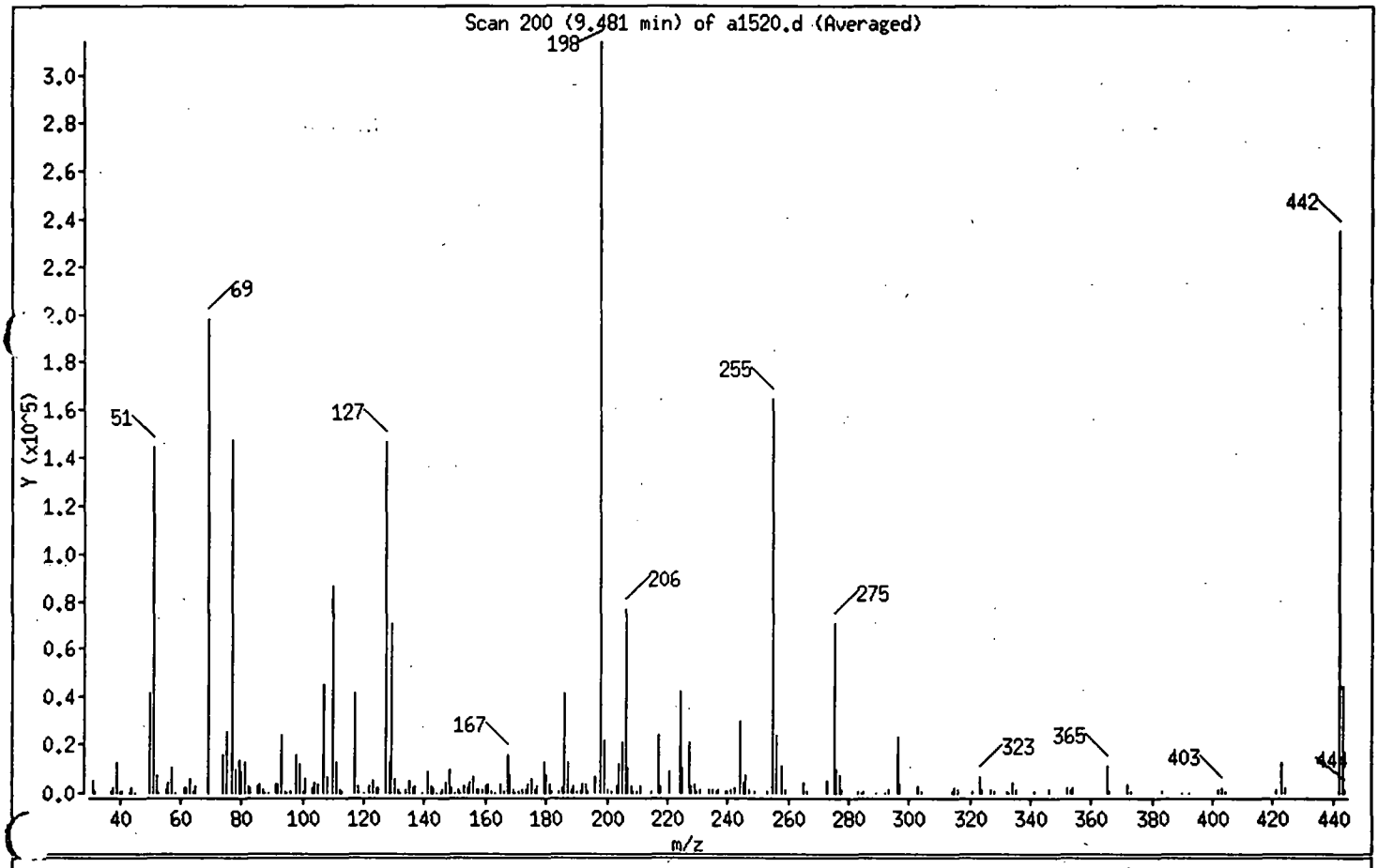
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	46.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.1
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.7
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.0
275	10.00 - 30.00% of mass 198	22.5
365	Greater than 1.00% of mass 198	3.6
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	74.9
443	17.00 - 23.00% of mass 442	19.1

Data File: /chem/hp72a.i/090894.b/a1520.d

Date : 08-SEP-94 09:21

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 200-202 (9.481 min), Subtraction Scan 193

Location of Maximum: 198.00

Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5456	118.00	3131	181.00	3582	259.00	1825
37.00	740	120.00	367	182.00	469	265.00	4398
38.00	2469	122.00	3324	184.00	494	266.00	618
39.00	12901	123.00	4858	185.00	1921	273.00	5436
40.00	409	124.00	2451	186.00	41872	275.00	70904
41.00	485	125.00	1987	187.00	12369	276.00	9548
45.00	214	127.00	146781	188.00	1243	277.00	7260
50.00	41458	128.00	12644	189.00	2810	278.00	1314
51.00	144541	129.00	70797	190.00	615	283.00	680
52.00	7372	130.00	6100	191.00	530	284.00	343
53.00	167	131.00	1401	192.00	3882	285.00	1037
55.00	827	132.00	191	193.00	3830	289.00	179
56.00	4758	134.00	1742	194.00	935	292.00	185
57.00	10515	135.00	5117	196.00	6845	293.00	1598
58.00	218	136.00	2485	198.00	314474	296.00	23162
61.00	2015	137.00	2681	199.00	21898	297.00	3384
62.00	2326	139.00	221	200.00	1658	303.00	2644
63.00	5686	141.00	8975	202.00	879	304.00	780
64.00	755	142.00	2693	203.00	2849	314.00	756
65.00	2887	143.00	1903	204.00	11628	315.00	2411
69.00	198314	144.00	187	205.00	21152	316.00	1328
74.00	15424	145.00	359	206.00	76741	321.00	586
75.00	25426	146.00	1649	207.00	10187	323.00	6738
77.00	147605	147.00	4243	208.00	3121	324.00	1212
78.00	9776	148.00	9716	209.00	830	327.00	1454
79.00	13263	149.00	1949	210.00	1043	328.00	810
80.00	8621	150.00	218	211.00	3047	332.00	487
81.00	12300	151.00	1142	215.00	1044	333.00	309
82.00	3237	152.00	348	217.00	23546	334.00	4790
83.00	2448	153.00	2888	218.00	2816	335.00	1278
85.00	3335	154.00	1879	221.00	8763	341.00	868
86.00	3651	155.00	4217	224.00	42482	346.00	1298
87.00	1603	156.00	6511	225.00	10530	352.00	2117
88.00	359	157.00	1373	227.00	21184	353.00	1617
89.00	175	158.00	1418	228.00	3024	354.00	1994

Data File: /chem/hp72a.i/090894.b/a1520.d
Date : 08-SEP-94 09:21
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 200-202 (9.481 min), Subtraction Scan 193
Location of Maximum: 198.00
Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	3394	159.00	1296	229.00	3763	365.00	11339
92.00	3402	160.00	2799	230.00	448	366.00	938
93.00	23866	161.00	3835	231.00	1571	372.00	3931
94.00	842	162.00	1061	234.00	1405	373.00	876
95.00	253	163.00	188	235.00	1332	383.00	1105
96.00	920	165.00	3612	236.00	990	390.00	210
98.00	15553	166.00	664	237.00	1221	392.00	179
99.00	11554	167.00	15529	239.00	815	402.00	1654
100.00	1110	168.00	7727	240.00	733	403.00	2340
101.00	5747	169.00	1227	241.00	1391	404.00	727
103.00	2254	170.00	251	242.00	2084	421.00	1687
104.00	4351	171.00	781	244.00	29930	423.00	12787
105.00	3994	172.00	1640	245.00	4362	424.00	2376
107.00	45565	173.00	1799	246.00	7306	442.00	235456
108.00	6856	174.00	3514	247.00	1310	443.00	45074
110.00	86352	175.00	6119	249.00	978	444.00	1354
111.00	12797	176.00	1490	253.00	1012		
112.00	1587	177.00	3095	255.00	164373		
113.00	465	179.00	12648	256.00	24154		
117.00	41450	180.00	7610	258.00	11232		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1521.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 08-SEP-94 09:42
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090894.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.148	0.010	29.3	500.0
	2 Pyridine	2.361	2.309	0.010	2.2	500.0
$	3 2-Fluorophenol	1.763	1.686	0.010	4.4	500.0
$	4 Phenol-d6	1.626	1.731	0.010	6.5	500.0
	5 Aniline	2.401	1.925	0.010	19.8	500.0
	6 Phenol	2.026	2.071	0.010	2.2	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.552	0.010	4.7	500.0
	8 2-Chlorophenol	1.563	1.488	0.010	4.8	500.0
	9 1,3-Dichlorobenzene	1.588	1.640	0.010	3.3	500.0
	11 1,4-Dichlorobenzene	1.536	1.615	0.010	5.2	30.0
	12 Benzyl alcohol	1.020	0.810	0.010	20.6	500.0
	13 1,2-Dichlorobenzene	1.493	1.574	0.010	5.4	500.0
	14 2-Methylphenol	1.426	1.340	0.010	6.0	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.844	0.010	9.2	500.0
	16 3- & 4-Methylphenol	1.259	1.280	0.010	1.7	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.339	0.050	2.6	500.0
	18 Hexachloroethane	0.567	0.688	0.010	21.2	500.0
$	19 Nitrobenzene-d5	0.486	0.573	0.010	17.9	500.0
	20 Nitrobenzene	0.474	0.551	0.010	16.2	500.0
	21 Isophorone	0.979	1.002	0.010	2.3	500.0
	22 2-Nitrophenol	0.296	0.292	0.010	1.4	30.0
	23 2,4-Dimethyphenol	0.338	0.323	0.010	4.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.576	0.010	1.4	500.0
	25 Benzoic Acid	0.791	0.806	0.010	1.9	500.0
	26 2,4-Dichlorophenol	0.305	0.328	0.010	7.4	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.358	0.010	7.5	500.0
	29 Naphthalene	1.096	1.139	0.010	3.9	500.0
	30 4-Chloroaniline	0.495	0.462	0.010	6.6	500.0
	31 Hexachlorobutadiene	0.183	0.237	0.010	29.9	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.419	0.010	14.9	30.0
	33 2-Methylnaphthalene	0.677	0.711	0.010	5.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.371	0.050	3.5	500.0
	35 2,4,6-Trichlorophenol	0.399	0.384	0.010	3.9	30.0
	36 2,4,5-Trichlorphenol	0.465	0.479	0.010	2.9	500.0
$	37 2-Fluorobiphenyl	1.522	1.505	0.010	1.1	500.0
	38 2-Chloronaphthalene	1.326	1.259	0.010	5.1	500.0
	39 2-Nitroaniline	0.612	0.551	0.010	10.0	500.0
	40 Dimethylphthalate	1.632	1.593	0.010	2.4	500.0
	41 Acenaphthylene	2.139	2.051	0.010	4.1	500.0
	42 2,6-Dinitrotoluene	0.381	0.388	0.010	1.9	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1521.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 08-SEP-94 09:42
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090894.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.427	0.010	7.5	500.0
	45 Acenaphthene	0.624	0.608	0.010	2.5	30.0
	46 2,4-Dinitrophenol	0.209	0.178	0.050	14.8	500.0
	47 4-Nitrophenol	0.184	0.301	0.050	64.0	500.0
	48 Dibenzofuran	1.869	1.813	0.010	2.9	500.0
	49 2,4-Dinitrotoluene	0.515	0.538	0.010	4.4	500.0
	50 Fluorene	1.410	1.357	0.010	3.8	500.0
	51 Diethylphthalate	1.618	1.702	0.010	5.2	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.694	0.010	0.4	500.0
	53 4-Nitroaniline	0.455	0.491	0.010	7.8	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.170	0.010	7.6	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.586	0.010	11.0	30.0
	56 Azobenzene	3.399	3.678	0.010	8.2	500.0
$	57 2,4,6-Tribromophenol	0.219	0.242	0.010	10.4	500.0
	58 4-Bromophenyl-phenylether	0.236	0.228	0.010	3.2	500.0
	59 Hexachlorobenzene	0.267	0.257	0.010	3.8	500.0
	60 Pentachlorophenol	0.143	0.120	0.010	16.5	30.0
	62 Phenanthrene	1.267	1.213	0.010	4.3	500.0
	63 Anthracene	1.257	1.210	0.010	3.7	500.0
	64 Di-n-butylphthalate	1.761	1.679	0.010	4.7	500.0
	65 Fluoranthene	1.241	1.388	0.010	11.8	30.0
	66 Benzidine	0.759	0.294	0.010	61.2	500.0
	67 Pyrene	1.898	1.468	0.010	22.6	500.0
$	68 Terphenyl-d14	1.203	0.930	0.010	22.7	500.0
	69 Butylbenzylphthalate	1.069	0.860	0.010	19.5	500.0
	70 Benzo(a)anthracene	1.499	1.343	0.010	10.4	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.432	0.010	19.6	500.0
	73 Chrysene	1.293	1.193	0.010	7.7	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.101	0.010	24.0	500.0
	75 Di-n-octylphthalate	2.618	2.926	0.010	11.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.504	0.010	2.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.465	0.010	7.3	500.0
	78 Benzo(a)pyrene	1.269	1.298	0.010	2.3	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.054	0.010	12.6	500.0
	81 Dibenzo(a,h)anthracene	1.136	0.995	0.010	12.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.033	0.010	14.4	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090894.b/a1521.d
Lab. Id. : Quant Type: ISTD
Inj Date : 08-SEP-94 09:42 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090894.b/ccal02.m
Meth Date : 09-Sep-1994 13:34 jmk
Cal Date : 08-SEP-94 09:42 Cal File: a1521.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.431	(0.378)	80584	64.658	64.658(M)
	2 Pyridine	79.00	2.460	(0.347)	162094	48.906	48.906
$	3 2-Fluorophenol	112.00	5.431	(0.767)	118346	47.807	47.807
$	4 Phenol-d6	99.00	6.767	(0.956)	121504	53.233	53.233
	5 Aniline	93.00	6.681	(0.944)	135168	40.103	40.103
	6 Phenol	94.00	6.781	(0.958)	145412	51.123	51.123
	7 bis(-2-Chloroethyl)Ether	93.00	6.774	(0.957)	108956	47.632	47.632
	8 2-Chlorophenol	128.00	6.853	(0.968)	104457	47.597	47.597
	9 1,3-Dichlorobenzene	146.00	7.003	(0.989)	115136	51.629	51.629
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	56160	40.000	
	11 1,4-Dichlorobenzene	146.00	7.110	(1.004)	113365	52.578	52.578
	12 Benzyl alcohol	108.00	7.310	(1.032)	56841	39.700	39.700
	13 1,2-Dichlorobenzene	146.00	7.295	(1.030)	110501	52.710	52.710
	14 2-Methylphenol	108.00	7.510	(1.061)	94096	47.013	47.013
	15 Bis(2-chloroisopropyl)ether	45.00	7.460	(1.053)	129465	45.398	45.398
	16 3- & 4-Methylphenol	108.00	7.703	(1.088)	179685	101.662	101.662
	17 N-Nitroso-di-n-propylamine	70.00	7.631	(1.078)	93976	51.291	51.291
	18 Hexachloroethane	117.00	7.710	(1.089)	48265	60.597	60.597
$	19 Nitrobenzene-d5	82.00	7.795	(0.888)	133731	58.926	58.926
	20 Nitrobenzene	77.00	7.824	(0.892)	128572	58.097	58.097
	21 Isophorone	82.00	8.145	(0.928)	233718	51.172	51.172
	22 2-Nitrophenol	139.00	8.245	(0.940)	68039	49.324	49.324
	23 2,4-Dimethyphenol	122.00	8.374	(0.954)	75410	47.836	47.836
	24 bis(-2-Chloroethoxy)methane	93.00	8.460	(0.964)	134478	49.313	49.313
	25 Benzoic Acid	122.00	8.610	(1.216)	56571	50.946	50.946
	26 2,4-Dichlorophenol	162.00	8.624	(0.983)	76510	53.687	53.687
	27 1,2,4-Trichlorobenzene	180.00	8.695	(0.991)	83548	53.765	53.765
*	28 Naphthalene-d8	136.00	8.774	(1.000)	186668	40.000	(M)
	29 Naphthalene	128.00	8.803	(1.003)	265722	51.956	51.956

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.917	(1.016)	107845	46.696	46.696
	31 Hexachlorobutadiene	225.00	8.995	(1.025)	55353	64.942	64.942
	32 4-Chloro-3-Methylphenol	107.00	9.760	(1.112)	97844	57.438	57.438
	33 2-Methylnaphthalene	142.00	9.910	(1.129)	165854	52.533	52.533
	34 Hexachlorocyclopentadiene	237.00	10.181	(0.859)	47443	51.771	51.771
	35 2,4,6-Trichlorophenol	196.00	10.445	(0.881)	49141	48.061	48.061
	36 2,4,5-Trichlorphenol	196.00	10.538	(0.889)	61244	51.448	51.448
$	37 2-Fluorobiphenyl	172.00	10.581	(0.893)	192649	49.449	49.449
	38 2-Chloronaphthalene	162.00	10.774	(0.909)	161119	47.452	47.452
	39 2-Nitroaniline	138.00	11.010	(0.929)	70515	45.014	45.014
	40 Dimethylphthalate	163.00	11.395	(0.961)	203867	48.811	48.811
	41 Acenaphthylene	152.00	11.560	(0.975)	262561	47.943	47.943
	2 2,6-Dinitrotoluene	165.00	11.502	(0.970)	49723	50.957	50.957
	43 3-Nitroaniline	138.00	11.845	(0.999)	54626	46.256	46.256
*	44 Acenaphthene-d10	164.00	11.852	(1.000)	102390	40.000	
	45 Acenaphthene	152.00	11.917	(1.005)	77825	48.734	48.734
	46 2,4-Dinitrophenol	184.00	12.052	(1.017)	22765	42.593	42.593
	47 4-Nitrophenol	109.00	12.381	(1.045)	38569	81.998	81.998
	48 Dibenzofuran	168.00	12.281	(1.036)	232104	48.527	48.527
	49 2,4-Dinitrotoluene	165.00	12.317	(1.039)	68878	52.201	52.201
	50 Fluorene	166.00	13.002	(1.097)	173636	48.106	48.106
	51 Diethylphthalate	149.00	12.895	(1.088)	217808	52.585	52.585
	52 4-Chlorophenyl-phenylether	204.00	13.060	(1.102)	88804	49.793	49.793
	53 4-Nitroaniline	138.00	13.145	(1.109)	62862	53.915	53.915
	54 4,6-Dinitro-o-cresol	198.00	13.188	(0.875)	35721	46.202	46.202
	55 N-nitrosodiphenylamine (1)	169.00	13.338	(0.885)	123342	44.517	44.517
	56 Azobenzene	77.00	13.402	(1.893)	258202	54.110	54.110
$	57 2,4,6-Tribromophenol	330.00	13.545	(1.143)	30953	55.193	55.193
	58 4-Bromophenyl-phenylether	248.00	14.131	(0.937)	48043	48.387	48.387
	9 Hexachlorobenzene	284.00	14.202	(0.942)	53990	48.116	48.116
	60 Pentachlorophenol	266.00	14.710	(0.976)	25181	41.746	41.746
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	168256	40.000	
	62 Phenanthrene	178.00	15.124	(1.003)	255066	47.845	47.845
	63 Anthracene	178.00	15.245	(1.011)	254490	48.136	48.136
	64 Di-n-butylphthalate	149.00	16.659	(1.105)	353041	47.662	47.662
	65 Fluoranthene	202.00	17.881	(1.186)	291961	55.918	55.918
	66 Benzidine	184.00	18.324	(2.588)	20644	19.376	19.376
	67 Pyrene	202.00	18.395	(0.864)	305356	38.682	38.682
$	68 Terphenyl-d14	244.00	18.902	(0.888)	193503	38.656	38.656
	69 Butylbenzylphthalate	149.00	20.181	(0.948)	178963	40.254	40.254
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	279341	44.784	44.784
*	71 Chrysene-d12	240.00	21.281	(1.000)	166397	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.309	(1.001)	89889	40.187	40.187
	73 Chrysene	228.00	21.345	(1.003)	248161	46.136	46.136
	74 bis(2-Ethylhexyl)phthalate	149.00	21.645	(1.017)	229007	37.988	37.988
	75 Di-n-octylphthalate	149.00	23.116	(0.948)	407060	55.881	55.881
	76 Benzo(b)fluoranthene	252.00	23.638	(0.969)	209223	51.399	51.399
	77 Benzo(k)fluoranthene	252.00	23.702	(0.972)	203776	53.644	53.644
	78 Benzo(a)pyrene	252.00	24.288	(0.996)	180643	51.137	51.137

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.395	(1.000)	111312	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.431	(1.083)	146643	43.695	43.695
81 Dibenzo(a,h)anthracene	278.00	26.495	(1.086)	138441	43.777	43.777
82 Benzo(g,h,i)perylene	276.00	26.959	(1.105)	143800	42.819	42.819

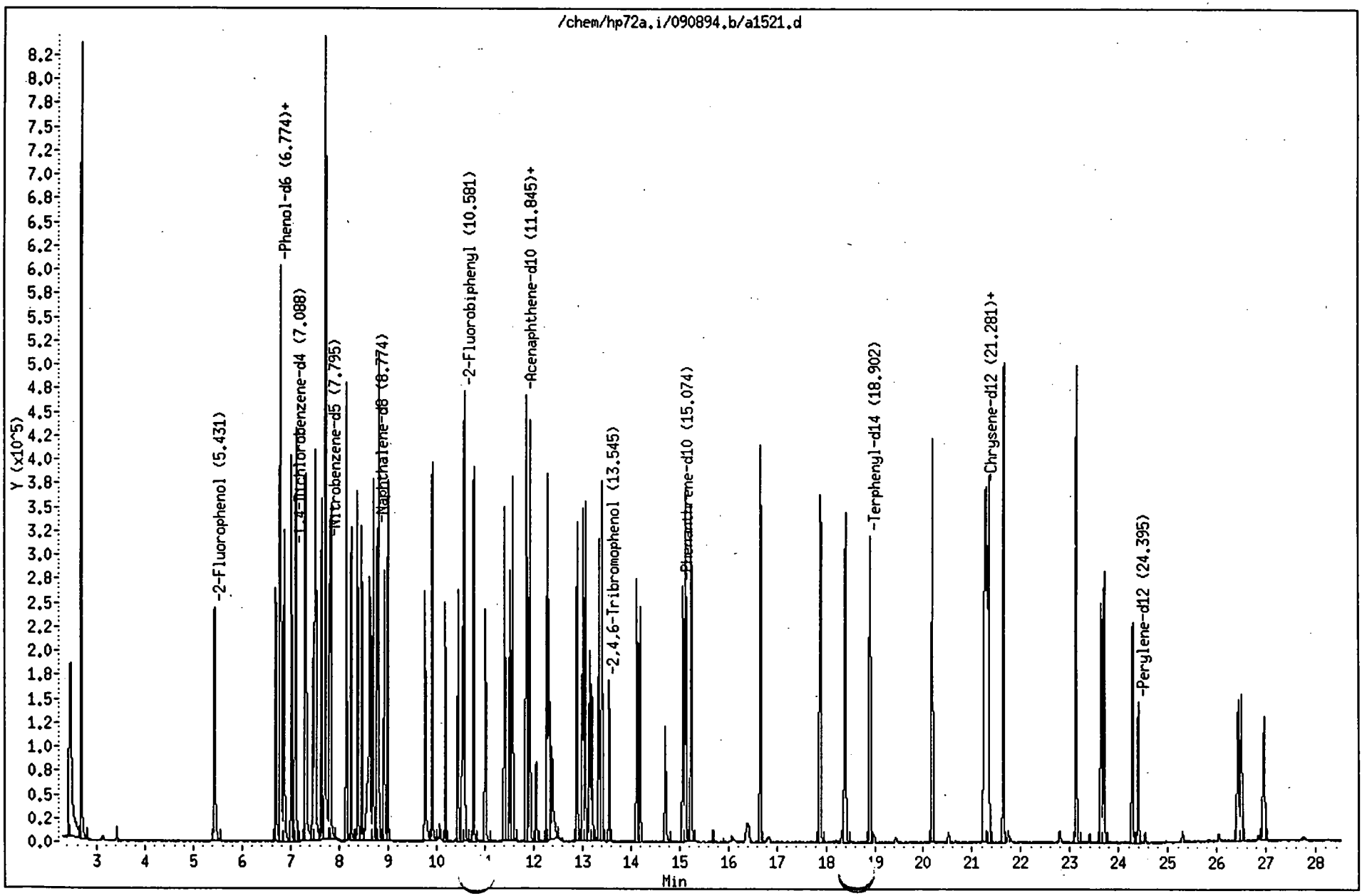
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/090894.b/a1521.d
Date : 08-SEP-94 09:42
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

000089



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1359.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 083058LK01

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	223523	7.93
28 Naphthalene-d8	706108	353054	1412216	733831	3.93
44 Acenaphthene-d10	353533	176766	707066	392509	11.02
61 Phenanthrene-d10	519552	259776	1039104	521332	0.34
71 Chrysene-d12	323674	161837	647348	363656	12.35
79 Perylene-d12	250302	125151	500604	276051	10.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.05
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.09
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.07
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.12
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1368.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-45

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	210170	1.48
28 Naphthalene-d8	706108	353054	1412216	677763	-4.01
44 Acenaphthene-d10	353533	176766	707066	364578	3.12
61 Phenanthrene-d10	519552	259776	1039104	502241	-3.33
71 Chrysene-d12	323674	161837	647348	362235	11.91
79 Perylene-d12	250302	125151	500604	273877	9.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.15
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.15
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.12
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.12
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1372.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0901BLK01/1000:1/S-1/BNA

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	173194	0.57
28 Naphthalene-d8	577777	288888	1155554	556907	-3.61
44 Acenaphthene-d10	284930	142465	569860	298988	4.93
61 Phenanthrene-d10	402979	201489	805958	410113	1.77
71 Chrysene-d12	263081	131540	526162	306496	16.50
79 Perylene-d12	204133	102066	408266	232717	14.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1372A.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-30/PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	221379	28.56
28 Naphthalene-d8	577777	288888	1155554	731447	26.60
44 Acenaphthene-d10	284930	142465	569860	398313	39.79
61 Phenanthrene-d10	402979	201489	805958	544635	35.15
71 Chrysene-d12	263081	131540	526162	382626	45.44
79 Perylene-d12	204133	102066	408266	296275	45.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	-0.01
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	-0.01
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1373.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-32/PRC/TCP/200:10/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	143684	-16.56
28 Naphthalene-d8	577777	288888	1155554	450496	-22.03
44 Acenaphthene-d10	284930	142465	569860	248112	-12.92
61 Phenanthrene-d10	402979	201489	805958	346916	-13.91
71 Chrysene-d12	263081	131540	526162	268850	2.19
79 Perylene-d12	204133	102066	408266	205165	0.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.93	-0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1374.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-33/PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	218170	26.69
28 Naphthalene-d8	577777	288888	1155554	682757	18.17
44 Acenaphthene-d10	284930	142465	569860	396353	39.11
61 Phenanthrene-d10	402979	201489	805958	552220	37.03
71 Chrysene-d12	263081	131540	526162	377970	43.67
79 Perylene-d12	204133	102066	408266	282916	38.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.06
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.38	-0.03
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1375.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-34PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	226523	31.54
28 Naphthalene-d8	577777	288888	1155554	727196	25.86
44 Acenaphthene-d10	284930	142465	569860	422716	48.36
61 Phenanthrene-d10	402979	201489	805958	592102	46.93
71 Chrysene-d12	263081	131540	526162	436373	65.87
79 Perylene-d12	204133	102066	408266	342465	67.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.52	0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1376.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826TBLK01/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	197241	14.54
28 Naphthalene-d8	577777	288888	1155554	641542	11.04
44 Acenaphthene-d10	284930	142465	569860	367902	29.12
61 Phenanthrene-d10	402979	201489	805958	510939	26.79
71 Chrysene-d12	263081	131540	526162	376150	42.98
79 Perylene-d12	204133	102066	408266	288186	41.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.06
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.01
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.01
71 Chrysene-d12	21.39	20.89	21.89	21.38	-0.03
79 Perylene-d12	24.51	24.01	25.01	24.51	0.01

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1377.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-31

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	233212	35.43
28 Naphthalene-d8	577777	288888	1155554	716557	24.02
44 Acenaphthene-d10	284930	142465	569860	433647	52.19
61 Phenanthrene-d10	402979	201489	805958	621665	54.27
71 Chrysene-d12	263081	131540	526162	426311	62.05
79 Perylene-d12	204133	102066	408266	326875	60.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.01
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1378.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-35(MS34)

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	200816	16.61
28 Naphthalene-d8	577777	288888	1155554	653526	13.11
44 Acenaphthene-d10	284930	142465	569860	369792	29.78
61 Phenanthrene-d10	402979	201489	805958	524647	30.19
71 Chrysene-d12	263081	131540	526162	374102	42.20
79 Perylene-d12	204133	102066	408266	278455	36.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.11
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.09
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.01
79 Perylene-d12	24.51	24.01	25.01	24.51	0.02

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1379.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-36(MSD34)

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	197653	14.78
28 Naphthalene-d8	577777	288888	1155554	651589	12.78
44 Acenaphthene-d10	284930	142465	569860	363457	27.56
61 Phenanthrene-d10	402979	201489	805958	509720	26.49
71 Chrysene-d12	263081	131540	526162	367363	39.64
79 Perylene-d12	204133	102066	408266	282881	38.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.10
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.11
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.01
79 Perylene-d12	24.51	24.01	25.01	24.52	0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1381.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-37

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	166149	-3.52
28 Naphthalene-d8	577777	288888	1155554	526491	-8.88
44 Acenaphthene-d10	284930	142465	569860	298035	4.60
61 Phenanthrene-d10	402979	201489	805958	380897	-5.48
71 Chrysene-d12	263081	131540	526162	304496	15.74
79 Perylene-d12	204133	102066	408266	237946	16.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.02
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.11
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.04
79 Perylene-d12	24.51	24.01	25.01	24.53	0.07

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1382.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-38

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	212261	23.26
28 Naphthalene-d8	577777	288888	1155554	657458	13.79
44 Acenaphthene-d10	284930	142465	569860	382194	34.14
61 Phenanthrene-d10	402979	201489	805958	459059	13.92
71 Chrysene-d12	263081	131540	526162	330847	25.76
79 Perylene-d12	204133	102066	408266	235866	15.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.03
79 Perylene-d12	24.51	24.01	25.01	24.52	0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1383.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-39

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	192476	11.77
28 Naphthalene-d8	577777	288888	1155554	541312	-6.31
44 Acenaphthene-d10	284930	142465	569860	344226	20.81
61 Phenanthrene-d10	402979	201489	805958	469499	16.51
71 Chrysene-d12	263081	131540	526162	354503	34.75
79 Perylene-d12	204133	102066	408266	269015	31.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.16
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.12
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.52	0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1384.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-40

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	106052	-38.42
28 Naphthalene-d8	577777	288888	1155554	291392	-49.57
44 Acenaphthene-d10	284930	142465	569860	183014	-35.77
61 Phenanthrene-d10	402979	201489	805958	259528	-35.60
71 Chrysene-d12	263081	131540	526162	242600	-7.79
79 Perylene-d12	204133	102066	408266	204715	0.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.17
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.10
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1385.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-41

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	205158	19.14
28 Naphthalene-d8	577777	288888	1155554	675449	16.90
44 Acenaphthene-d10	284930	142465	569860	389432	36.68
61 Phenanthrene-d10	402979	201489	805958	545995	35.49
71 Chrysene-d12	263081	131540	526162	410625	56.08
79 Perylene-d12	204133	102066	408266	322506	57.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1386.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0829SBLK02/1000;1/S-1/BNA

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	107940	-37.32
28 Naphthalene-d8	577777	288888	1155554	362146	-37.32
44 Acenaphthene-d10	284930	142465	569860	190478	-33.15
61 Phenanthrene-d10	402979	201489	805958	278696	-30.84
71 Chrysene-d12	263081	131540	526162	220834	-16.06
79 Perylene-d12	204133	102066	408266	176774	-13.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.93	-0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.16	-0.04
1 Chrysene-d12	21.39	20.89	21.89	21.37	-0.06
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1432.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SBLK01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	123024	-21.02
28 Naphthalene-d8	519450	259725	1038900	405715	-21.90
44 Acenaphthene-d10	260735	130367	521470	227309	-12.82
61 Phenanthrene-d10	387921	193960	775842	325323	-16.14
71 Chrysene-d12	250851	125425	501702	248831	-0.81
79 Perylene-d12	190835	95417	381670	191386	0.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.17	0.33
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.03
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.02
79 Perylene-d12	24.52	24.02	25.02	24.52	0.01

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1433.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPK01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	137531	-11.71
28 Naphthalene-d8	519450	259725	1038900	472603	-9.02
44 Acenaphthene-d10	260735	130367	521470	276541	6.06
61 Phenanthrene-d10	387921	193960	775842	430703	11.03
71 Chrysene-d12	250851	125425	501702	363352	44.85
79 Perylene-d12	190835	95417	381670	284654	49.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.17	0.41
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.52	24.02	25.02	24.53	0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1434.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPKD01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	143319	-7.99
28 Naphthalene-d8	519450	259725	1038900	487369	-6.18
44 Acenaphthene-d10	260735	130367	521470	279313	7.13
61 Phenanthrene-d10	387921	193960	775842	406849	4.88
71 Chrysene-d12	250851	125425	501702	305837	21.92
79 Perylene-d12	190835	95417	381670	242939	27.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.18	0.44
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.11
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.03
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.02
79 Perylene-d12	24.52	24.02	25.02	24.52	0.01

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1435.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-20/0826-30

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	148483	-4.68
28 Naphthalene-d8	519450	259725	1038900	496769	-4.37
44 Acenaphthene-d10	260735	130367	521470	266088	2.05
61 Phenanthrene-d10	387921	193960	775842	378421	-2.45
71 Chrysene-d12	250851	125425	501702	292283	16.52
79 Perylene-d12	190835	95417	381670	232551	21.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.04
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.03
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.02
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.05
79 Perylene-d12	24.52	24.02	25.02	24.53	0.07

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1436.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-31

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	131233	-15.75
28 Naphthalene-d8	519450	259725	1038900	428883	-17.44
44 Acenaphthene-d10	260735	130367	521470	230926	-11.43
61 Phenanthrene-d10	387921	193960	775842	325425	-16.11
71 Chrysene-d12	250851	125425	501702	246414	-1.77
79 Perylene-d12	190835	95417	381670	193337	1.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.03
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.01
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.01
79 Perylene-d12	24.52	24.02	25.02	24.52	0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1437.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-32

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	123975	-20.41
28 Naphthalene-d8	519450	259725	1038900	397279	-23.52
44 Acenaphthene-d10	260735	130367	521470	218836	-16.07
61 Phenanthrene-d10	387921	193960	775842	298750	-22.99
71 Chrysene-d12	250851	125425	501702	242507	-3.33
79 Perylene-d12	190835	95417	381670	187517	-1.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.14	-0.01
28 Naphthalene-d8	8.84	8.34	9.34	8.84	-0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1438.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2 /0826-33

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	122848	-21.13
28 Naphthalene-d8	519450	259725	1038900	389616	-24.99
44 Acenaphthene-d10	260735	130367	521470	213856	-17.98
61 Phenanthrene-d10	387921	193960	775842	292041	-24.72
71 Chrysene-d12	250851	125425	501702	226166	-9.84
79 Perylene-d12	190835	95417	381670	175464	-8.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.01
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.52	24.02	25.02	24.52	0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1453.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-34

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	168117	14.64
28 Naphthalene-d8	485317	242658	970634	570715	17.60
44 Acenaphthene-d10	263891	131945	527782	314728	19.26
61 Phenanthrene-d10	401667	200833	803334	439291	9.37
71 Chrysene-d12	263248	131624	526496	363061	37.92
79 Perylene-d12	208045	104022	416090	278970	34.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.40	20.90	21.90	21.40	0.00
79 Perylene-d12	24.52	24.02	25.02	24.53	0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1454.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-37

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	109765	-25.15
28 Naphthalene-d8	485317	242658	970634	347448	-28.41
44 Acenaphthene-d10	263891	131945	527782	194227	-26.40
61 Phenanthrene-d10	401667	200833	803334	255890	-36.29
71 Chrysene-d12	263248	131624	526496	205204	-22.05
79 Perylene-d12	208045	104022	416090	207647	-0.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1455.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-38

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	87470	-40.35
28 Naphthalene-d8	485317	242658	970634	271151	-44.13
44 Acenaphthene-d10	263891	131945	527782	154685	-41.38
61 Phenanthrene-d10	401667	200833	803334	211137	-47.43
71 Chrysene-d12	263248	131624	526496	172545	-34.46
79 Perylene-d12	208045	104022	416090	172501	-17.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1456.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-39

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	95792	-34.68
28 Naphthalene-d8	485317	242658	970634	305944	-36.96
44 Acenaphthene-d10	263891	131945	527782	168726	-36.06
61 Phenanthrene-d10	401667	200833	803334	246768	-38.56
71 Chrysene-d12	263248	131624	526496	186253	-29.25
79 Perylene-d12	208045	104022	416090	188350	-9.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.05
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1457.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-40

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	125207	-14.62
28 Naphthalene-d8	485317	242658	970634	418952	-13.67
44 Acenaphthene-d10	263891	131945	527782	229172	-13.16
61 Phenanthrene-d10	401667	200833	803334	318593	-20.68
71 Chrysene-d12	263248	131624	526496	237341	-9.84
79 Perylene-d12	208045	104022	416090	229375	10.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.01
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1458.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-41

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	106679	-27.25
28 Naphthalene-d8	485317	242658	970634	355335	-26.78
44 Acenaphthene-d10	263891	131945	527782	192278	-27.14
61 Phenanthrene-d10	401667	200833	803334	267672	-33.36
71 Chrysene-d12	263248	131624	526496	198333	-24.66
79 Perylene-d12	208045	104022	416090	187453	-9.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.05
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.04
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1459.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-48

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	120409	-17.89
28 Naphthalene-d8	485317	242658	970634	402618	-17.04
44 Acenaphthene-d10	263891	131945	527782	219331	-16.89
61 Phenanthrene-d10	401667	200833	803334	314651	-21.66
71 Chrysene-d12	263248	131624	526496	226415	-13.99
79 Perylene-d12	208045	104022	416090	221627	6.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.08
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.01

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1460.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-49

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	109256	-25.50
28 Naphthalene-d8	485317	242658	970634	366540	-24.47
44 Acenaphthene-d10	263891	131945	527782	198798	-24.67
61 Phenanthrene-d10	401667	200833	803334	275467	-31.42
71 Chrysene-d12	263248	131624	526496	197974	-24.80
79 Perylene-d12	208045	104022	416090	196514	-5.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1461.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	125364	-14.51
28 Naphthalene-d8	485317	242658	970634	413530	-14.79
44 Acenaphthene-d10	263891	131945	527782	231941	-12.11
61 Phenanthrene-d10	401667	200833	803334	316586	-21.18
71 Chrysene-d12	263248	131624	526496	223177	-15.22
79 Perylene-d12	208045	104022	416090	212063	1.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.10
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.06
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1462.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50MS-51

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	115068	-21.53
28 Naphthalene-d8	485317	242658	970634	389714	-19.70
44 Acenaphthene-d10	263891	131945	527782	217128	-17.72
61 Phenanthrene-d10	401667	200833	803334	308345	-23.23
71 Chrysene-d12	263248	131624	526496	217123	-17.52
79 Perylene-d12	208045	104022	416090	213441	2.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.13
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.11
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1463.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50MSD-52

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	121286	-17.29
28 Naphthalene-d8	485317	242658	970634	403692	-16.82
44 Acenaphthene-d10	263891	131945	527782	229157	-13.16
61 Phenanthrene-d10	401667	200833	803334	318636	-20.67
71 Chrysene-d12	263248	131624	526496	223466	-15.11
79 Perylene-d12	208045	104022	416090	217286	4.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1464.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-53

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	128978	-12.05
28 Naphthalene-d8	485317	242658	970634	452106	-6.84
44 Acenaphthene-d10	263891	131945	527782	243262	-7.82
61 Phenanthrene-d10	401667	200833	803334	351786	-12.42
71 Chrysene-d12	263248	131624	526496	245536	-6.73
79 Perylene-d12	208045	104022	416090	246352	18.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.07
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1465.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-50T

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	119505	-18.51
28 Naphthalene-d8	485317	242658	970634	411320	-15.25
44 Acenaphthene-d10	263891	131945	527782	217943	-17.41
61 Phenanthrene-d10	401667	200833	803334	303529	-24.43
71 Chrysene-d12	263248	131624	526496	208670	-20.73
79 Perylene-d12	208045	104022	416090	196129	-5.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.11
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.11
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1466.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MST

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	137570	-6.19
28 Naphthalene-d8	485317	242658	970634	467303	-3.71
44 Acenaphthene-d10	263891	131945	527782	255674	-3.11
61 Phenanthrene-d10	401667	200833	803334	348003	-13.36
71 Chrysene-d12	263248	131624	526496	207594	-21.14
79 Perylene-d12	208045	104022	416090	229337	10.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.41	0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1467.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MSDT

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	133992	-8.63
28 Naphthalene-d8	485317	242658	970634	455832	-6.08
44 Acenaphthene-d10	263891	131945	527782	250513	-5.07
61 Phenanthrene-d10	401667	200833	803334	354100	-11.84
71 Chrysene-d12	263248	131624	526496	186124	-29.30
79 Perylene-d12	208045	104022	416090	193641	-6.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.01
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.01

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1468.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: BLK/TCP/200:1/S-1/0829TBLK

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	128872	-12.12
28 Naphthalene-d8	485317	242658	970634	445909	-8.12
44 Acenaphthene-d10	263891	131945	527782	227481	-13.80
61 Phenanthrene-d10	401667	200833	803334	316547	-21.19
71 Chrysene-d12	263248	131624	526496	216401	-17.80
79 Perylene-d12	208045	104022	416090	202357	-2.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.95	11.45	12.45	11.93	-0.12
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.09
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1483.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/082634MS-35

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	104569	-29.64
28 Naphthalene-d8	514466	257233	1028932	341176	-33.68
44 Acenaphthene-d10	281487	140743	562974	171589	-39.04
61 Phenanthrene-d10	423291	211645	846582	225386	-46.75
71 Chrysene-d12	276075	138037	552150	170396	-38.28
79 Perylene-d12	211604	105802	423208	169906	-19.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.15
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.11
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.18
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.09
79 Perylene-d12	24.52	24.02	25.02	24.56	0.17

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1484.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/082634MSD-36

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	98091	-34.00
28 Naphthalene-d8	514466	257233	1028932	311422	-39.47
44 Acenaphthene-d10	281487	140743	562974	172654	-38.66
61 Phenanthrene-d10	423291	211645	846582	239841	-43.34
71 Chrysene-d12	276075	138037	552150	192418	-30.30
79 Perylene-d12	211604	105802	423208	198931	-5.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.13
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.20
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.10
79 Perylene-d12	24.52	24.02	25.02	24.57	0.21

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1485.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-48T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	121276	-18.40
28 Naphthalene-d8	514466	257233	1028932	411136	-20.08
44 Acenaphthene-d10	281487	140743	562974	222032	-21.12
61 Phenanthrene-d10	423291	211645	846582	314639	-25.67
71 Chrysene-d12	276075	138037	552150	239585	-13.22
79 Perylene-d12	211604	105802	423208	238972	12.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.13
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.15
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.07
79 Perylene-d12	24.52	24.02	25.02	24.56	0.18

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1486.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-49T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	128385	-13.61
28 Naphthalene-d8	514466	257233	1028932	442055	-14.07
44 Acenaphthene-d10	281487	140743	562974	234506	-16.69
61 Phenanthrene-d10	423291	211645	846582	323518	-23.57
71 Chrysene-d12	276075	138037	552150	226398	-17.99
79 Perylene-d12	211604	105802	423208	212860	0.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.10
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.12
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.07
79 Perylene-d12	24.52	24.02	25.02	24.55	0.15

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1487.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-53T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	116751	-21.44
28 Naphthalene-d8	514466	257233	1028932	377739	-26.58
44 Acenaphthene-d10	281487	140743	562974	209592	-25.54
61 Phenanthrene-d10	423291	211645	846582	308591	-27.10
71 Chrysene-d12	276075	138037	552150	238556	-13.59
79 Perylene-d12	211604	105802	423208	227860	7.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.16	0.19
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.15
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.13
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.06
79 Perylene-d12	24.52	24.02	25.02	24.55	0.14

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1494.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-49T

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	63161	-13.50
28 Naphthalene-d8	233335	116667	466670	207734	-10.97
44 Acenaphthene-d10	122168	61084	244336	110651	-9.43
61 Phenanthrene-d10	186555	93277	373110	167531	-10.20
71 Chrysene-d12	148037	74018	296074	144520	-2.38
79 Perylene-d12	124889	62444	249778	158283	26.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	0.00
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.08
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.12
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.10
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1495.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-50T

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	59162	-18.98
28 Naphthalene-d8	233335	116667	466670	184925	-20.75
44 Acenaphthene-d10	122168	61084	244336	94882	-22.33
61 Phenanthrene-d10	186555	93277	373110	138271	-25.88
71 Chrysene-d12	148037	74018	296074	117474	-20.65
79 Perylene-d12	124889	62444	249778	131261	5.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	-0.03
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.10
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.08
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.06
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.07

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1496.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-41TRE

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	79960	9.50
28 Naphthalene-d8	233335	116667	466670	248627	6.55
44 Acenaphthene-d10	122168	61084	244336	132371	8.35
61 Phenanthrene-d10	186555	93277	373110	194784	4.41
71 Chrysene-d12	148037	74018	296074	162921	10.05
79 Perylene-d12	124889	62444	249778	191714	53.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	-0.01
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.07
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.10
79 Perylene-d12	24.42	23.92	24.92	24.42	-0.03

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1497.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-2/0826-48

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	60050	-17.76
28 Naphthalene-d8	233335	116667	466670	183363	-21.42
44 Acenaphthene-d10	122168	61084	244336	91619	-25.01
61 Phenanthrene-d10	186555	93277	373110	128671	-31.03
71 Chrysene-d12	148037	74018	296074	104393	-29.48
79 Perylene-d12	124889	62444	249778	126882	1.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.13
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.11
44 Acenaphthene-d10	11.86	11.36	12.36	11.84	-0.14
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.06
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.07

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1498.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-2/0826-49

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	52077	-28.68
28 Naphthalene-d8	233335	116667	466670	167298	-28.30
44 Acenaphthene-d10	122168	61084	244336	88313	-27.71
61 Phenanthrene-d10	186555	93277	373110	127348	-31.74
71 Chrysene-d12	148037	74018	296074	110285	-25.50
79 Perylene-d12	124889	62444	249778	135060	8.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.12
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.84	-0.13
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.06

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1499.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-34

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	89966	23.21
28 Naphthalene-d8	233335	116667	466670	290517	24.51
44 Acenaphthene-d10	122168	61084	244336	148431	21.50
61 Phenanthrene-d10	186555	93277	373110	208892	11.97
71 Chrysene-d12	148037	74018	296074	184891	24.90
79 Perylene-d12	124889	62444	249778	211897	69.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.11
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.07
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.29	-0.07
79 Perylene-d12	24.42	23.92	24.92	24.42	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1522.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090894.b/ccal02.m
Misc Info: 0907SBLK02/1000:1/s-1

Calibration Date: 09/08/94
Calibration Time: 0942
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	56160	28080	112320	44887	-20.07
28 Naphthalene-d8	186668	93334	373336	144516	-22.58
44 Acenaphthene-d10	102390	51195	204780	77015	-24.78
61 Phenanthrene-d10	168256	84128	336512	118560	-29.54
71 Chrysene-d12	166397	83198	332794	115746	-30.44
79 Perylene-d12	111312	55656	222624	105839	-4.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.08	6.58	7.58	7.08	0.03
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.06
44 Acenaphthene-d10	11.85	11.35	12.35	11.85	-0.04
61 Phenanthrene-d10	15.07	14.57	15.57	15.06	-0.08
71 Chrysene-d12	21.28	20.78	21.78	21.26	-0.09
79 Perylene-d12	24.39	23.89	24.89	24.39	-0.02

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

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1432.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 21:08 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SBLK01/BNA/5;2/S-2
Misc Info : 0829SBLK01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 13
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.365)	13715	4.027	1.611(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.682	(0.793)	263373	46.702	18.681(a)
$	4 Phenol-d6	99.00	6.882	(0.960)	362147	70.945	28.378(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.168	(1.000)	123024	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.875	(0.890)	209615	36.173	14.469(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	405715	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	300084	32.775	13.110(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	227309	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.646	(1.142)	68360	49.951	19.980(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.175	(1.000)	325323	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.011	(0.889)	253704	30.865	12.346(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.389	(1.000)	248831	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	23.218	(0.947)	5308	0.327	0.131(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

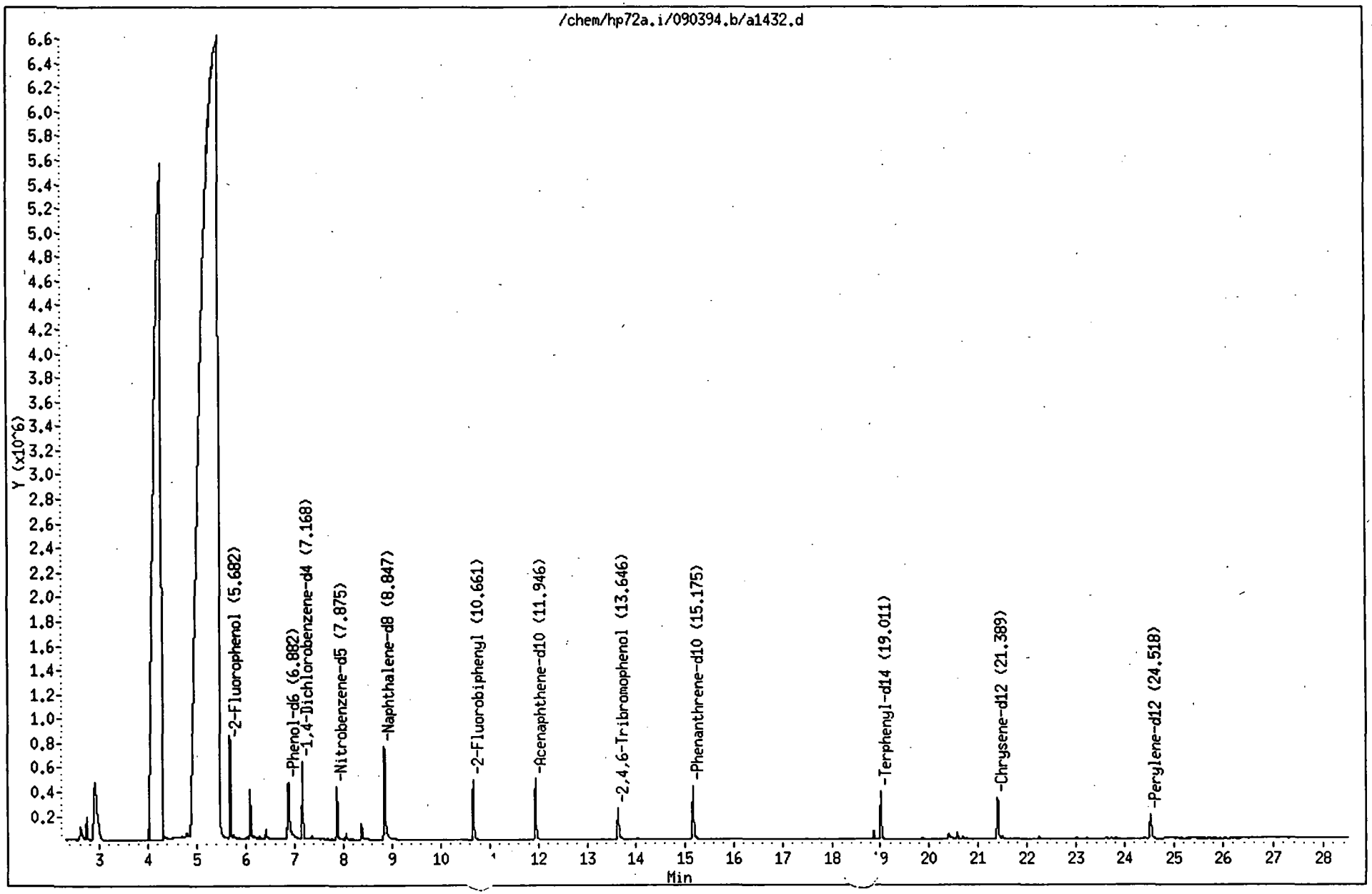
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	191386	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

0000345

Data File: /chem/hp72a.i/090394.b/a1432.d
Date : 03-SEP-94 21:08
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1386.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 19:30 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SBLK02/1000;1/S-1/BNA
Misc Info : 0829SBLK02/1000;1/S-1/BNA
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 18
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2868	1.134	1.134(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.510	(0.771)	225624	46.031	46.031
$	4 Phenol-d6	99.00	6.839	(0.957)	158694	34.961	34.961
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	107940	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.853	(0.888)	180453	36.998	36.998
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	362146	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.653	(0.893)	271990	34.625	34.625
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.932	(1.000)	190478	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.143)	59814	58.621	58.621
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.160	(1.000)	278696	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.003	(0.889)	272721	38.419	38.419
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.374	(1.000)	220834	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.731	(1.017)	4832	0.568	0.568(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

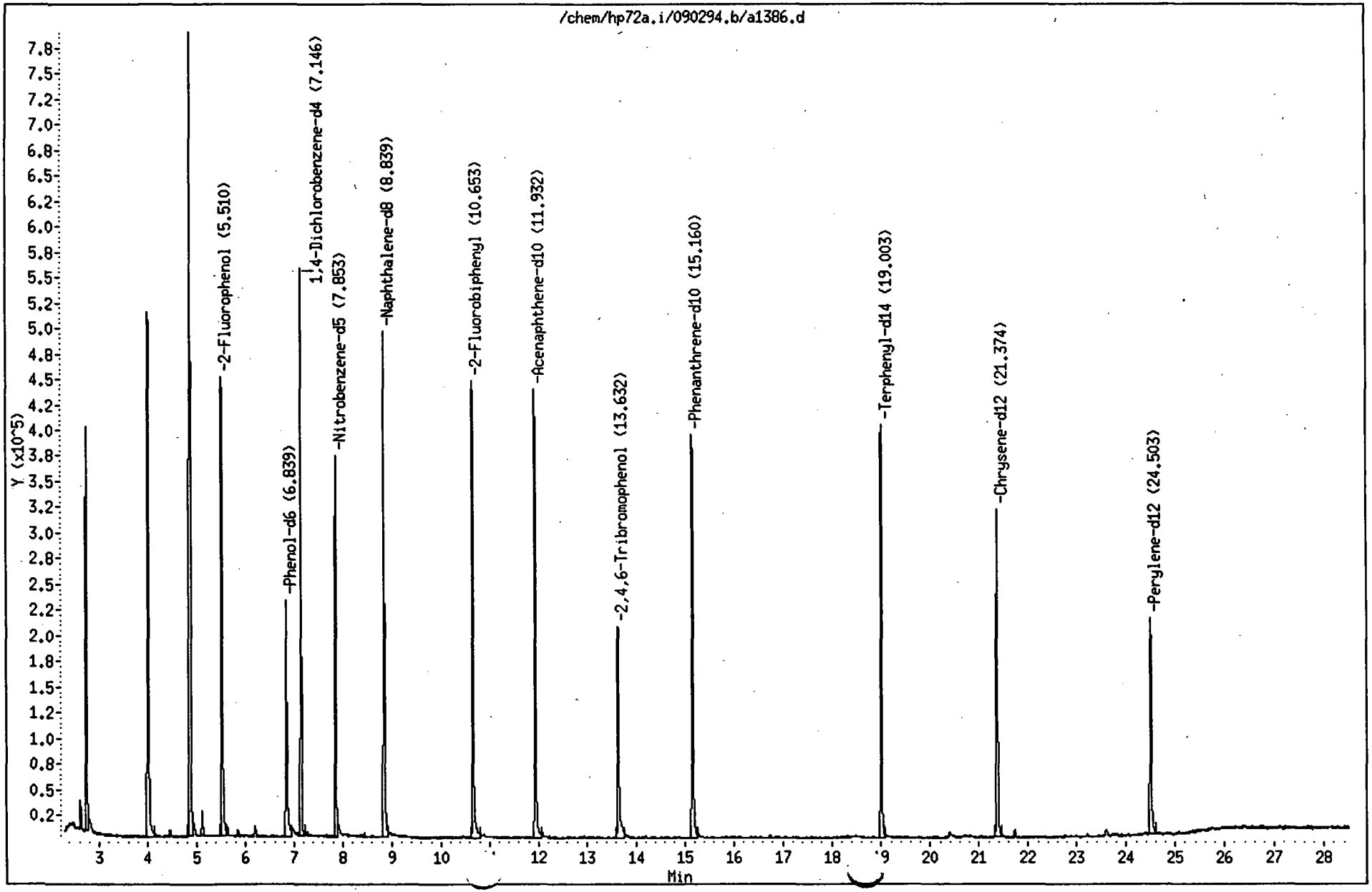
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.503	(1.000)	176774	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

0000349

Data File: /chem/hp72a.i/090294.b/a1386.d
Date : 02-SEP-94 19:30
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1359.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 21:19 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0830SBLK01/BNA/1000:1/S-1
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 10
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	3109	0.605	0.605(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.523	(0.772)	530180	51.367	51.367
$	4 Phenol-d6	99.00	6.837	(0.956)	444976	46.016	46.016
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	223523	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.858	(1.099)	55398	7.363	7.363(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.858	(0.889)	404725	41.451	41.451
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.844	(1.000)	733831	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.665	(0.893)	599950	37.504	37.504
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	3 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	392509	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.644	(1.142)	159487	71.056	71.056
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	0 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.172	(1.000)	521332	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	9663	0.398	0.398(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.015	(0.889)	489853	40.952	40.952
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.379	(1.000)	363656	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.736	(1.017)	7156	0.503	0.503(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

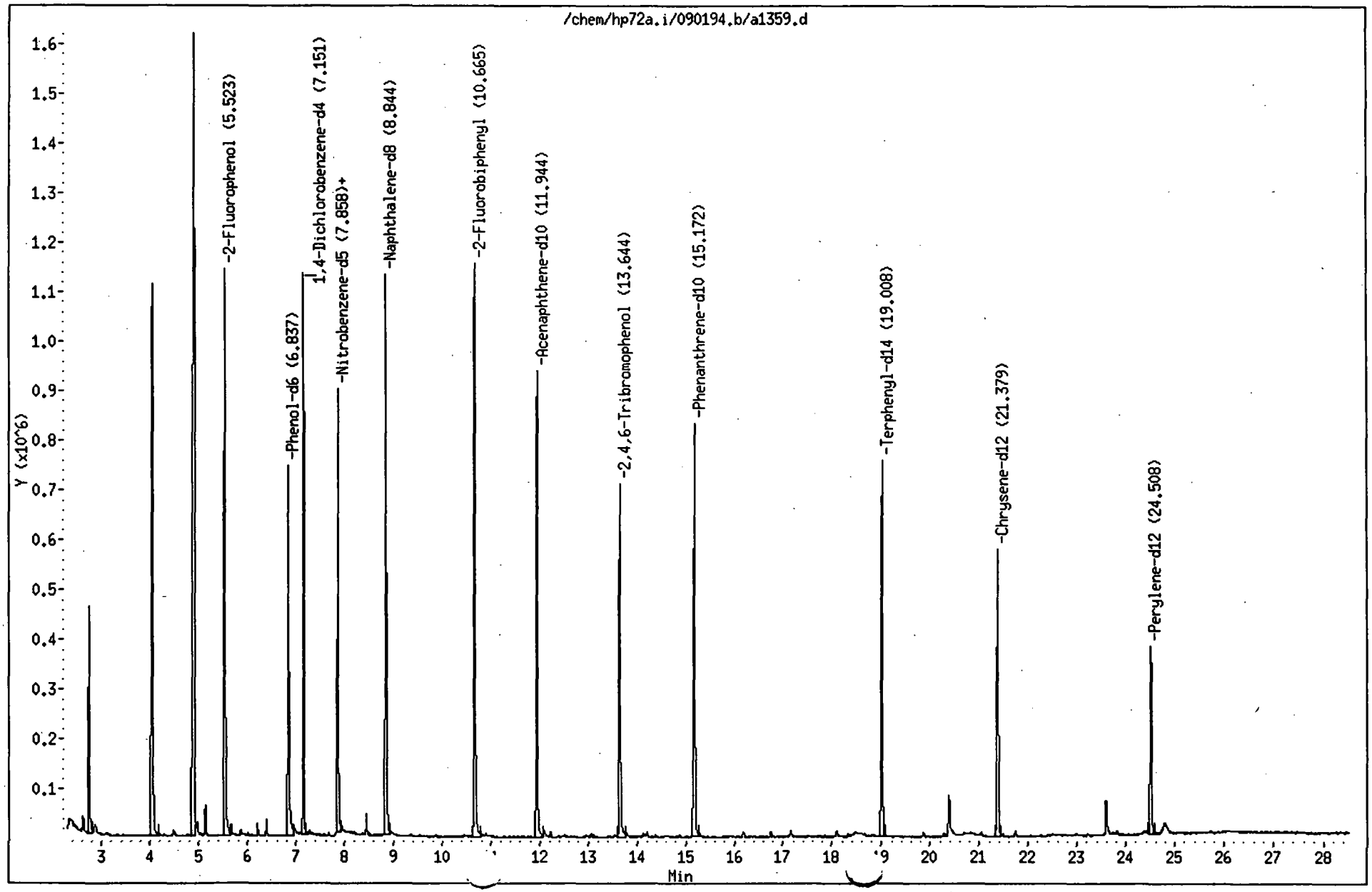
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	276051	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090194.b/a1359.d
Date : 01-SEP-94 21:19
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000353



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090894.b/a1522.d
Lab. Id. : Quant Type: ISTD
Inj Date : 08-SEP-94 10:21 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0907SBLK02
Misc Info : 0907SBLK02/1000:1/s-1
Comment :
Method : /chem/hp72a.i/090894.b/ccal02.m
Meth Date : 09-Sep-1994 13:34 jmk
Cal Date : 08-SEP-94 09:42 Cal File: a1521.d
Als bottle: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

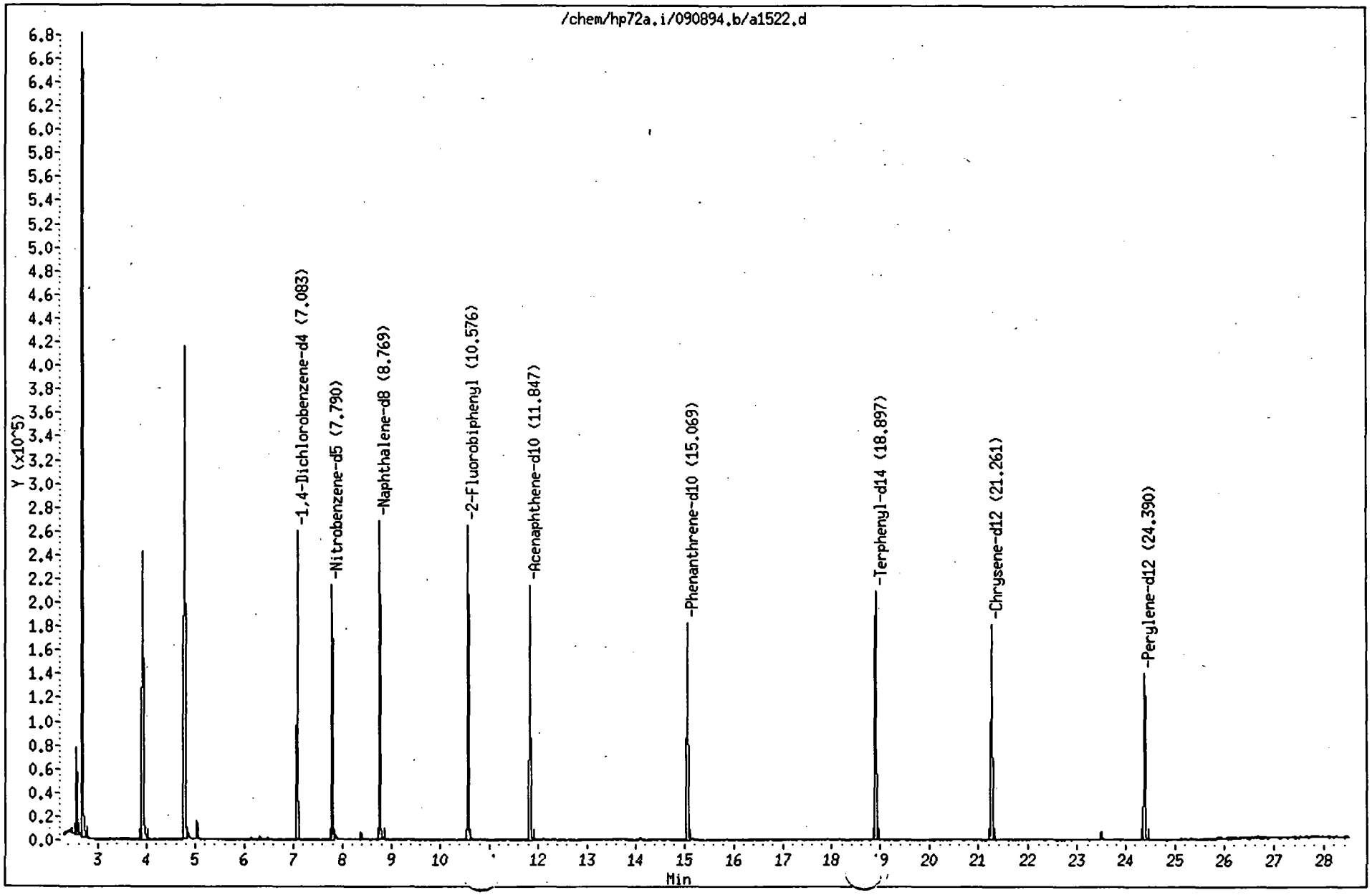
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.676	(0.378)	2937	45.841	45.841
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	0 1,4-Dichlorobenzene-d4	152.00	7.083	(1.000)	44887	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.790	(0.888)	85993	41.529	41.529
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.769	(1.000)	144516	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.576	(0.893)	118586	40.918	40.918
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	2 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.847	(1.000)	77015	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.061	(1.000)	118560	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.897	(0.889)	127714	47.442	47.442
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.261	(1.000)	115746	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.390	(1.000)	105839	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

Data File: /chem/hp72a.i/090894.b/a1522.d
Date : 08-SEP-94 10:21
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000357



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090394.b
Sample Matrix: SOLID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: SoilMsd.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPK01/BNA/5;2/S-2

	SPIKE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
6	Phenol	40.006	29.566	73.91	26-90
8	2-Chlorophenol	40.006	26.768	66.91	25-102
11	1,4-Dichlorobenzen	20.003	14.545	72.71	28-104
17	N-Nitroso-di-n-pro	20.003	14.252	71.25	41-126
27	1,2,4-Trichloroben	20.003	14.806	74.02	38-107
32	4-Chloro-3-Methylp	40.006	32.199	80.49	26-103
45	Acenaphthene	20.003	13.773	68.86	31-137
47	4-Nitrophenol	40.006	37.132	92.82	11-114
49	2,4-Dinitrotoluene	20.003	13.774	68.86	28-89
60	Pentachlorophenol	40.006	28.417	71.03	17-109
67	Pyrene	20.003	11.337	56.68	35-142

	SURROGATE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	40.000	22.561	56.40	25-121
$ 4	Phenol-d6	40.000	30.563	76.41	24-113
$ 19	Nitrobenzene-d5	20.000	16.258	81.29	23-120
$ 37	2-Fluorobiphenyl	20.000	13.728	68.64	30-115
$ 57	2,4,6-Tribromophen	40.000	26.890	67.23	19-122
$ 68	Terphenyl-d14	20.000	12.560	62.80	18-137

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090394.b
Sample Matrix: SOLID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: SoilMsd.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/cca102.m
Misc Info: 0829SPKD01/BNA/5;2/S-2

	SPIKE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
6	Phenol	40.006	15.832	39.57	26-90
8	2-Chlorophenol	40.006	17.612	44.02	25-102
11	1,4-Dichlorobenzen	20.003	15.040	75.19	28-104
17	N-Nitroso-di-n-pro	20.003	14.991	74.94	41-126
27	1,2,4-Trichloroben	20.003	15.566	77.82	38-107
32	4-Chloro-3-Methylp	40.006	31.791	79.47	26-103
45	Acenaphthene	20.003	13.854	69.26	31-137
47	4-Nitrophenol	40.006	34.244	85.60	11-114
49	2,4-Dinitrotoluene	20.003	13.189	65.93	28-89
60	Pentachlorophenol	40.006	27.565	68.90	17-109
67	Pyrene	20.003	13.003	65.01	35-142

	SURROGATE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	40.000	24.171	60.43	25-121
$ 4	Phenol-d6	40.000	19.831	49.58	24-113
$ 19	Nitrobenzene-d5	20.000	16.817	84.09	23-120
$ 37	2-Fluorobiphenyl	20.000	14.070	70.35	30-115
$ 57	2,4,6-Tribromophen	40.000	25.946	64.86	19-122
$ 68	Terphenyl-d14	20.000	13.665	68.32	18-137

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1433.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 21:45 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SPK01/BNA/5;2/S-2
Misc Info : 0829SPK01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 14 QC Sample: MS
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.581	(0.360)	3979	1.045	0.418(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.681	(0.792)	355587	56.403	22.561(a)
$	4 Phenol-d6	99.00	6.881	(0.959)	436020	76.406	30.563(a)
	5 Aniline	93.00	6.966	(0.971)	9858	1.160	0.464(TaQ)
	6 Phenol	94.00	6.902	(0.962)	533440	73.916	29.566(aM)
	7 bis(-2-Chloroethyl)Ether	93.00	6.966	(0.971)	9858	1.721	0.688(aQ)
	8 2-Chlorophenol	128.00	6.966	(0.971)	365617	66.920	26.768(aM)
	9 1,3-Dichlorobenzene	146.00	7.195	(1.003)	203827	34.445	13.778(a)
	10 1,4-Dichlorobenzene-d4	152.00	7.174	(1.000)	137531	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.195	(1.003)	203827	36.362	14.545(a)
	12 Benzyl alcohol	108.00	7.188	(1.002)	2220	0.678	0.271(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.195	(1.003)	203827	36.527	14.611(a)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.702	(1.074)	169938	35.630	14.252(a)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.881	(0.890)	274356	40.645	16.258(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.774	(0.991)	166049	37.014	14.806(a)
*	28 Naphthalene-d8	136.00	8.852	(1.000)	472603	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.866	(1.115)	383033	80.499	32.199(a)
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	382292	34.320	13.728(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.016	(1.006)	155087	10.047	4.019(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	276541	40.000	(a)
	45 Acenaphthene	152.00	12.016	(1.006)	155087	34.433	13.773(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.502	(1.047)	130391	92.830	37.132(a)
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.416	(1.039)	135220	34.434	13.774(a)
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	111927	67.226	26.890(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.816	(0.976)	83246	71.041	28.417(a)
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	430703	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.759	(1.104)	797955	39.127	15.651(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.509	(0.865)	519783	28.342	11.337(a)
$	68 Terphenyl-d14	244.00	19.016	(0.889)	376896	31.401	12.560(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.395	(1.000)	363352	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	5664	0.404	0.162(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.530	(1.000)	284654	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

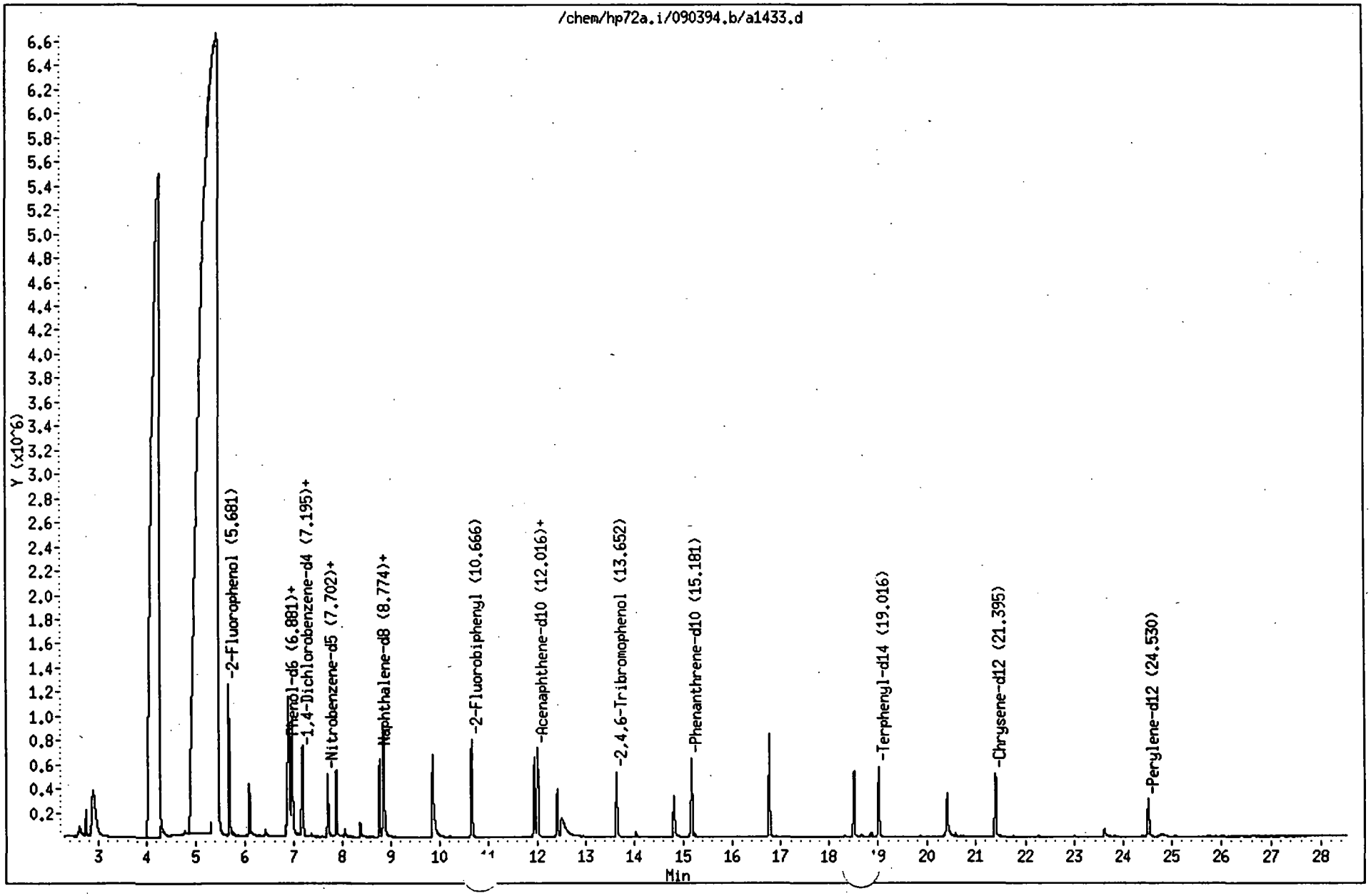
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Compound response manually integrated.

Data File: /chem/hp72a.i/090394.b/a1433.d
Date : 03-SEP-94 21:45
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000363



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1434.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 22:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SPKD01/BNA/5;2/S-2
Misc Info : 0829SPKD01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.619	(0.365)	15532	3.915	1.566(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.740	(0.800)	396998	60.429	24.171(Ta)
$	4 Phenol-d6	99.00	6.897	(0.961)	294818	49.576	19.831(a)
	5 Aniline	93.00	6.983	(0.973)	7756	0.876	0.350(TaQ)
	6 Phenol	94.00	6.912	(0.963)	572410	76.113	30.445(aMH)
	7 bis(-2-Chloroethyl)Ether	93.00	6.983	(0.973)	7756	1.299	0.520(aQ)
	8 2-Chlorophenol	128.00	6.983	(0.973)	401307	70.486	28.194(aM)
	9 1,3-Dichlorobenzene	146.00	7.197	(1.003)	219636	35.618	14.247(a)
	0 1,4-Dichlorobenzene-d4	152.00	7.176	(1.000)	143319	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.197	(1.003)	219636	37.600	15.040(a)
	12 Benzyl alcohol	108.00	7.197	(1.003)	2080	0.610	0.244(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.197	(1.003)	219636	37.771	15.108(a)
	14 2-Methylphenol	108.00	8.062	(1.123)	3012	0.590	0.236(TaQ)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	8.062	(1.123)	3012	0.654	0.262(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.705	(1.074)	186272	37.477	14.991(a)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.883	(0.890)	292661	42.043	16.817(a)
	20 Nitrobenzene	77.00	8.062	(0.910)	1722	0.233	0.093(aQ)
	21 Isophorone	82.00	8.376	(0.946)	27529	2.230	0.892(a)
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.776	(0.991)	180027	38.914	15.566(a)
*	28 Naphthalene-d8	136.00	8.855	(1.000)	487369	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.862	(1.114)	389994	79.478	31.791(a)
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.669	(0.893)	395748	35.175	14.070(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.012	(1.005)	157557	10.106	4.042(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	279313	40.000	(a)
	45 Acenaphthene	152.00	12.012	(1.005)	157557	34.634	13.854(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.504	(1.047)	121456	85.611	34.244(a)
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.419	(1.039)	130776	32.972	13.189(a)
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.647	(1.142)	109078	64.864	25.946(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.819	(0.976)	76279	68.912	27.565(a)
*	61 Phenanthrene-d10	188.00	15.176	(1.000)	406849	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.762	(1.104)	776024	40.282	16.113(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.504	(0.865)	501800	32.507	13.003(a)
$	68 Terphenyl-d14	244.00	19.011	(0.889)	345134	34.162	13.665(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.390	(1.000)	305837	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.740	(1.016)	3508	0.297	0.119(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

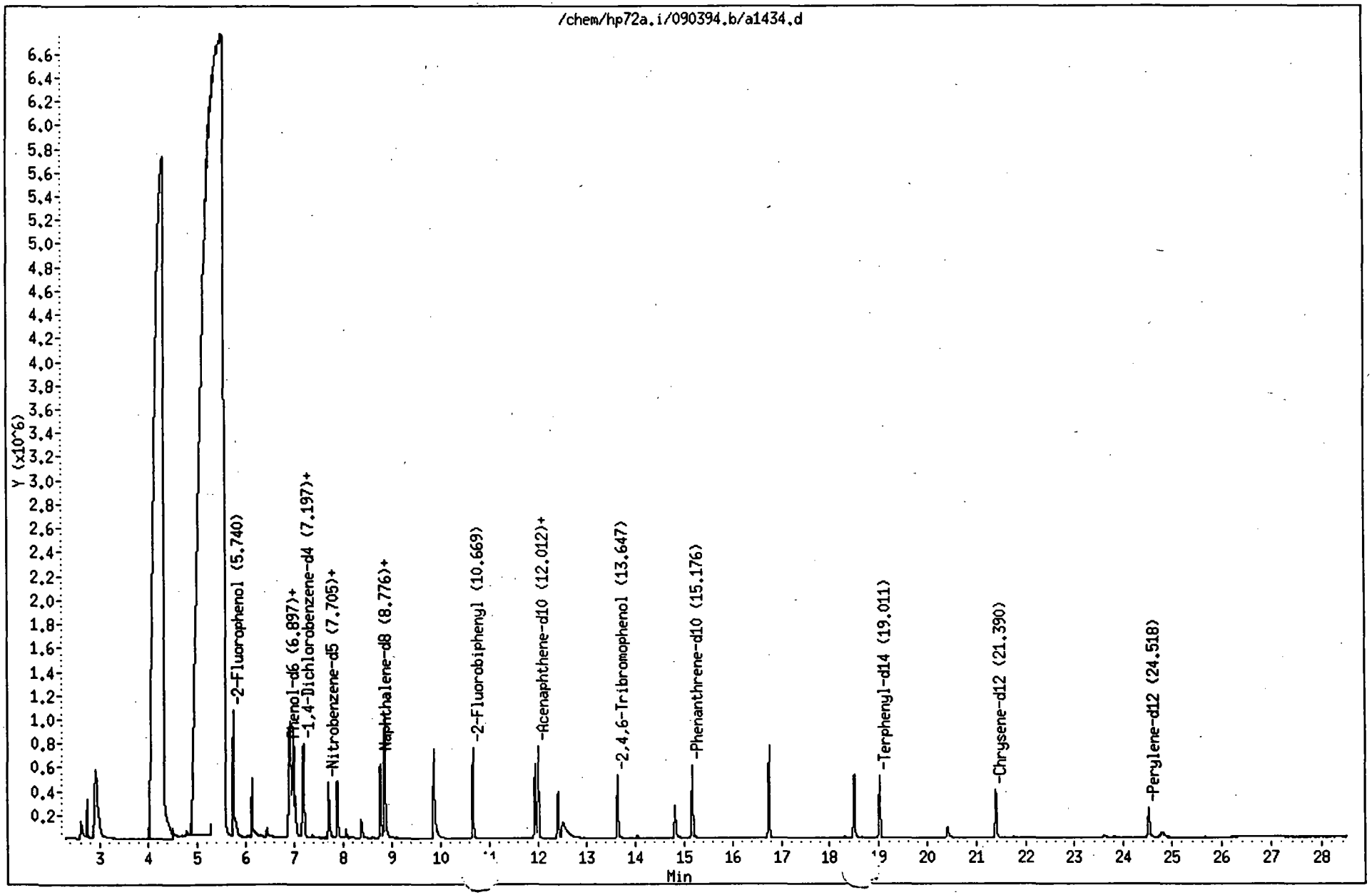
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	242939	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Compound response manually integrated.
.. - Operator selected an alternate compound hit.

0000367

Data File: /chem/hp72a.i/090394.b/a1434.d
Date : 03-SEP-94 22:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 19:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2370	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		938	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2720	2400	792
Fluorene		1360	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000368

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 19:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2620	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4750	2400	792
Pyrene		1740	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000369

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1483.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 19:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/082634MS-35
Misc Info : PRC/BNA/5:400/S-2/082634MS-35
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 14 QC Sample: MS
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.737	(0.383)	1235	0.404	32.351(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.972	(0.975)	1797	0.415	33.211(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	104569	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.858	(1.000)	341176	40.000	(a)
	29 Naphthalene	128.00	8.887	(1.003)	305891	32.746	2619.696(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
30	4-Chloroaniline	127.00	8.887	(1.003)	44054	11.429	914.301(aQ)
31	Hexachlorobutadiene	225.00	Compound Not Detected.				
32	4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
33	2-Methylnaphthalene	142.00	10.001	(1.129)	70796	11.569	925.489(a)
34	Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
35	2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
36	2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$ 37	2-Fluorobiphenyl	172.00	Compound Not Detected.				
38	2-Chloronaphthalene	162.00	Compound Not Detected.				
39	2-Nitroaniline	138.00	Compound Not Detected.				
40	Dimethylphthalate	163.00	Compound Not Detected.				
41	Acenaphthylene	152.00	11.665	(0.976)	34781	3.941	315.244(a)
42	2,6-Dinitrotoluene	165.00	11.958	(1.000)	24156	13.961	1116.913(TaQ)
43	3-Nitroaniline	138.00	Compound Not Detected.				
* 44	Acenaphthene-d10	164.00	11.958	(1.000)	171589	40.000	(a)
45	Acenaphthene	152.00	12.022	(1.005)	25655	9.926	794.085(aR)
46	2,4-Dinitrophenol	184.00	Compound Not Detected.				
47	4-Nitrophenol	109.00	12.429	(1.039)	1016	2.851	228.099(aQR)
48	Dibenzofuran	168.00	12.387	(1.036)	82489	10.738	859.066(a)
49	2,4-Dinitrotoluene	165.00	11.958	(1.000)	19386	8.259	660.694(TaQR)
50	Fluorene	166.00	13.115	(1.097)	97200	16.974	1357.953(a)
51	Diethylphthalate	149.00	Compound Not Detected.				
52	4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
53	4-Nitroaniline	138.00	Compound Not Detected.				
54	4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
55	N-nitrosodiphenylamine (1)	169.00	13.422	(0.883)	5687	1.626	130.091(a)
56	Azobenzene	77.00	Compound Not Detected.				
$ 57	2,4,6-Tribromophenol	330.00	Compound Not Detected.				
58	4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
59	Hexachlorobenzene	284.00	Compound Not Detected.				
60	Pentachlorophenol	266.00	Compound Not Detected.				
* 61	Phenanthrene-d10	188.00	15.201	(1.000)	225386	40.000	(a)
62	Phenanthrene	178.00	15.258	(1.004)	385840	59.329	4746.321(a)
63	Anthracene	178.00	15.365	(1.011)	195986	29.662	2372.963(a)
64	Di-n-butylphthalate	149.00	Compound Not Detected.				
65	Fluoranthene	202.00	18.022	(1.186)	220425	34.031	2722.447(a)
66	Benzidine	184.00	Compound Not Detected.				
67	Pyrene	202.00	18.529	(0.865)	162725	21.757	1740.600(aR)
$ 68	Terphenyl-d14	244.00	Compound Not Detected.				
69	Butylbenzylphthalate	149.00	Compound Not Detected.				
70	Benzo(a)anthracene	228.00	21.401	(0.999)	47364	8.132	650.552(a)
* 71	Chrysene-d12	240.00	21.422	(1.000)	170396	40.000	(a)
72	3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
73	Chrysene	228.00	21.472	(1.002)	58043	11.724	937.956(a)
74	bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
75	Di-n-octylphthalate	149.00	Compound Not Detected.				
76	Benzo(b)fluoranthene	252.00	23.779	(0.968)	29089	4.699	375.943(a)
77	Benzo(k)fluoranthene	252.00	24.329	(0.991)	11184	1.881	150.443(Ta)
78	Benzo(a)pyrene	252.00	24.429	(0.995)	21284	3.967	317.335(a)

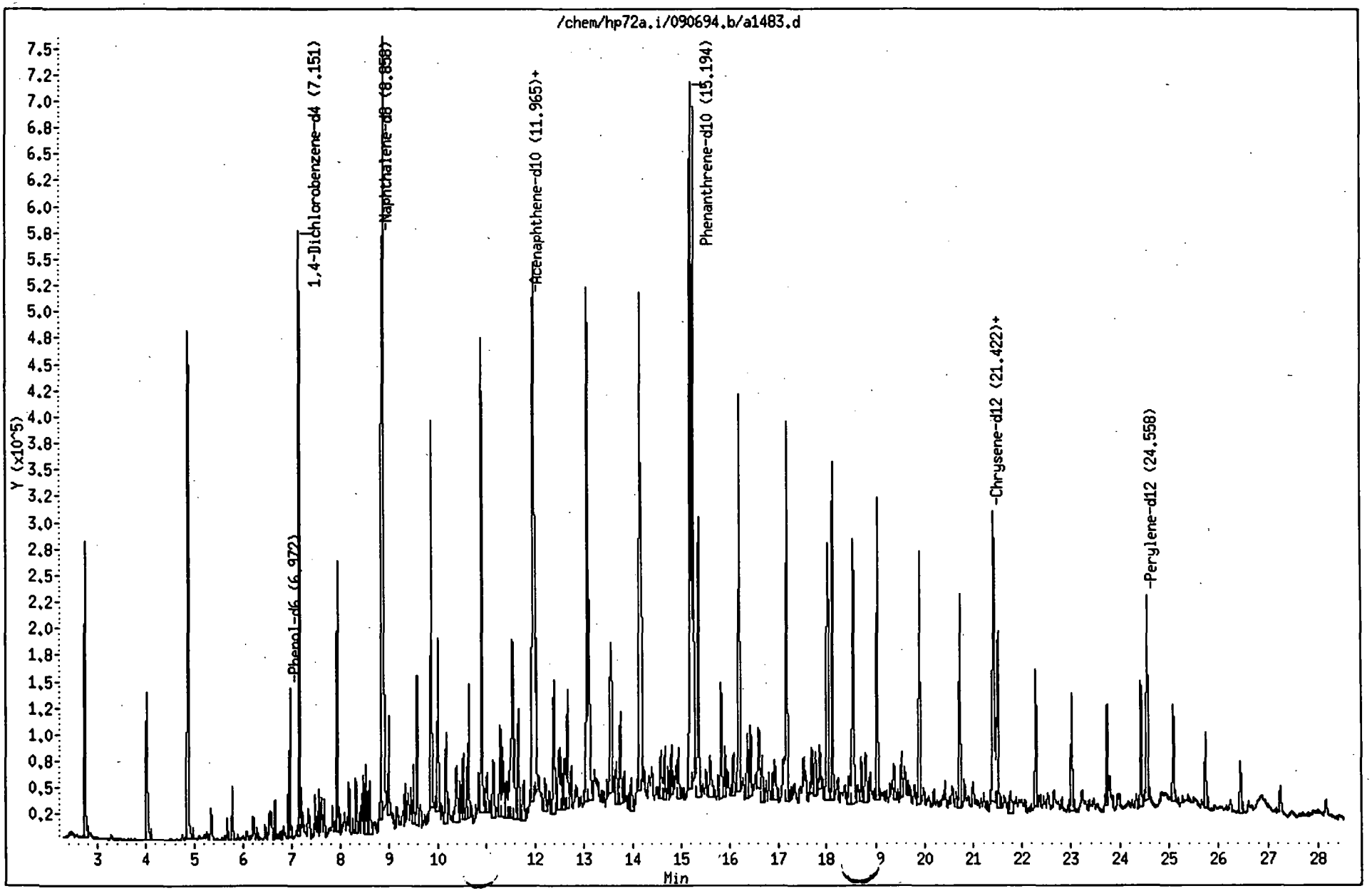
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.558	(1.000)	169906	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.608	(1.083)	10181	2.252	180.132(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Spike/Surrogate failed recovery limits.

00000373

Data File: /chem/hp72a.i/090694.b/a1483.d
Date : 06-SEP-94 19:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 20:01 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2490	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		925	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2790	2400	792
Fluorene		1420	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000374

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Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk **ANALYSIS DATE:** 09/06/94 **METHOD:** 8270
ANALYSIS TIME: 20:01 **PREP REQ** : Y **PREP DATE** : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2840	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4960	2400	792
Pyrene		1740	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1484.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 20:01 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/082634MSD-36
Misc Info : PRC/BNA/5:400/S-2/082634MSD-36
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.739	(0.383)	809	0.282	22.591(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.968	(0.974)	1956	0.482	38.537(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	98091	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	311422	40.000	(a)
	29 Naphthalene	128.00	8.889	(1.004)	302905	35.525	2841.972(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.889	(1.004)	39356	11.185	894.837(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	71468	12.794	1023.536(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.667	(0.976)	36028	4.057	324.533(a)
	42 2,6-Dinitrotoluene	165.00	11.960	(1.000)	25107	14.422	1153.724(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.960	(1.000)	172654	40.000	(a)
	45 Acenaphthene	152.00	12.025	(1.005)	23950	9.209	736.739(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.546	(1.049)	190	0.530	42.393(aQ)
	48 Dibenzofuran	168.00	12.389	(1.036)	84045	10.873	869.872(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.117	(1.097)	102117	17.723	1417.847(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.425	(0.883)	5658	1.520	121.627(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.203	(1.000)	239841	40.000	(a)
	62 Phenanthrene	178.00	15.260	(1.004)	429416	62.050	4963.998(a)
	63 Anthracene	178.00	15.367	(1.011)	219018	31.150	2492.007(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.017	(1.185)	240558	34.901	2792.041(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.524	(0.865)	183806	21.763	1741.077(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.396	(0.999)	55522	8.442	675.325(a)
*	71 Chrysene-d12	240.00	21.424	(1.000)	192418	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.474	(1.002)	64661	11.566	925.313(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.789	(0.968)	34375	4.743	379.439(a)
	77 Benzo(k)fluoranthene	252.00	24.331	(0.990)	15077	2.165	173.219(Ta)
	78 Benzo(a)pyrene	252.00	24.431	(0.994)	25947	4.130	330.414(a)

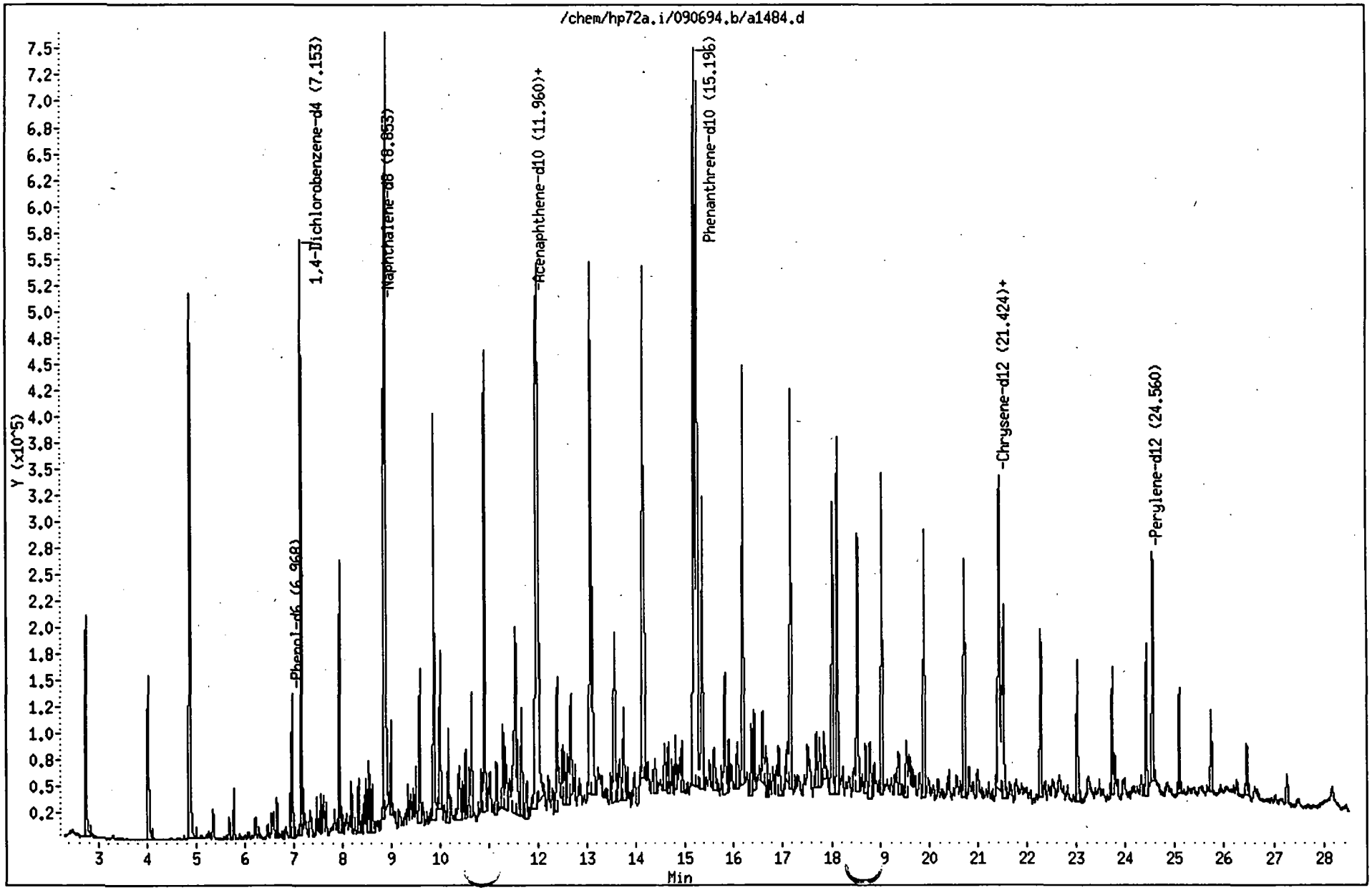
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.567	(1.000)	198931	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.610	(1.083)	12245	2.313	185.040(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	27.153	(1.105)	7560	1.310	104.803(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1484.d
Date : 06-SEP-94 20:01
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000379



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090294.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-35(MS34)

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED		LIMITS
6	Phenol	500.000	243.622	48.72		12-89
8	2-Chlorophenol	500.000	366.086	73.22		27-123
11	1,4-Dichlorobenzen	250.000	196.973	78.79		36-97
17	N-Nitroso-di-n-pro	250.000	207.150	82.86		41-116
27	1,2,4-Trichloroben	250.000	200.126	80.05		39-98
32	4-Chloro-3-Methylp	500.000	388.396	77.68		23-97
45	Acenaphthene	250.000	205.565	82.23		46-118
47	4-Nitrophenol	500.000	208.690	41.74		10-80
49	2,4-Dinitrotoluene	250.000	176.266	70.51		24-96
60	Pentachlorophenol	500.000	568.887	113.78	*	9-103
67	Pyrene	250.000	183.399	73.36		26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED		LIMITS
$ 3	2-Fluorophenol	500.000	268.315	53.66		21-100
$ 4	Phenol-d6	500.000	284.057	56.81		10-94
$ 19	Nitrobenzene-d5	250.000	205.930	82.37		35-114
$ 37	2-Fluorobiphenyl	250.000	191.550	76.62		43-116
$ 57	2,4,6-Tribromophen	500.000	379.674	75.93		10-123
$ 68	Terphenyl-d14	250.000	197.644	79.06		33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090294.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-36(MSD34)

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	500.000	235.921	47.18	12-89
8	2-Chlorophenol	500.000	374.666	74.93	27-123
11	1,4-Dichlorobenzen	250.000	201.037	80.41	36-97
17	N-Nitroso-di-n-pro	250.000	209.021	83.61	41-116
27	1,2,4-Trichloroben	250.000	200.439	80.18	39-98
32	4-Chloro-3-Methylp	500.000	373.527	74.71	23-97
45	Acenaphthene	250.000	206.183	82.47	46-118
47	4-Nitrophenol	500.000	165.122	33.02	10-80
49	2,4-Dinitrotoluene	250.000	174.832	69.93	24-96
60	Pentachlorophenol	500.000	503.583	100.72	9-103
67	Pyrene	250.000	178.410	71.36	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	500.000	269.967	53.99	21-100
$ 4	Phenol-d6	500.000	219.782	43.96	10-94
$ 19	Nitrobenzene-d5	250.000	201.405	80.56	35-114
$ 37	2-Fluorobiphenyl	250.000	193.142	77.26	43-116
$ 57	2,4,6-Tribromophen	500.000	360.840	72.17	10-123
$ 68	Terphenyl-d14	250.000	186.184	74.47	33-141

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 14:30
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< 0.14	200.0	0.05	1	8270
m & p-Cresol	< 0.15	200.0	0.05	1	8270
Cresols	< 0.29	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000382

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1378.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 14:30 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-35(MS34)
Misc Info : PRC/TCP/200:1/S-1/0826-35(MS34)
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 10 QC Sample: MS
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.615	(0.366)	3119	0.561	2.805(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.544	(0.775)	493987	53.663	268.315
$	4 Phenol-d6	99.00	6.865	(0.960)	473380	56.811	284.057
	5 Aniline	93.00	6.937	(0.970)	16780	1.353	6.763(aQ)
	6 Phenol	94.00	6.887	(0.963)	513442	48.724	243.622
	7 bis(-2-Chloroethyl)Ether	93.00	6.937	(0.970)	16780	2.006	10.032(aQ)
	8 2-Chlorophenol	128.00	6.937	(0.970)	584091	73.217	366.086
	9 1,3-Dichlorobenzene	146.00	7.172	(1.003)	322442	37.318	186.591
	0 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	200816	40.000	
	11 1,4-Dichlorobenzene	146.00	7.172	(1.003)	322442	39.395	196.973
	12 Benzyl alcohol	108.00	7.587	(1.061)	206559	43.202	216.012(TQ)
	13 1,2-Dichlorobenzene	146.00	7.172	(1.003)	322442	39.574	197.869
	14 2-Methylphenol	108.00	7.587	(1.061)	206559	28.889	144.445
	15 Bis(2-chloroisopropyl)ether	45.00	7.687	(1.075)	2847	0.283	1.416(aQ)
	16 3- & 4-Methylphenol	108.00	7.801	(1.091)	194622	30.150	150.748
	17 N-Nitroso-di-n-propylamine	70.00	7.694	(1.076)	288531	41.430	207.150
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.865	(0.889)	394180	41.186	205.930
	20 Nitrobenzene	77.00	8.072	(0.912)	23253	2.289	11.446(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.465	(0.956)	262234	45.457	227.283
	24 bis(-2-Chloroethoxy)methane	93.00	8.487	(0.959)	31356	3.017	15.087(aQ)
	25 Benzoic Acid	122.00	8.744	(1.223)	62021	18.643	93.216(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.772	(0.991)	254586	40.025	200.126
*	28 Naphthalene-d8	136.00	8.851	(1.000)	653526	40.000	
	29 Naphthalene	128.00	8.894	(1.005)	1965438	99.767	498.836

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.908	(1.006)	9667	1.076	5.379(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.901	(1.119)	524065	77.679	388.396
	33 2-Methylnaphthalene	142.00	9.987	(1.128)	136924	11.145	55.726
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.665	(0.892)	570635	38.310	191.550
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	91308	4.423	22.117(a)
	42 2,6-Dinitrotoluene	165.00	11.951	(1.000)	49071	12.501	62.503(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.951	(1.000)	369792	40.000	
	45 Acenaphthene	152.00	12.015	(1.005)	247615	41.113	205.565
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.587	(1.053)	78395	41.738	208.690(Q)
	48 Dibenzofuran	168.00	12.372	(1.035)	80472	4.471	22.355(a)
	49 2,4-Dinitrotoluene	165.00	12.422	(1.039)	185117	35.253	176.266
	50 Fluorene	166.00	13.094	(1.096)	72788	5.488	27.439(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.715	(0.904)	14253	1.581	7.903(TaQ)
	56 Azobenzene	77.00	13.458	(1.882)	4511	0.259	1.293(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.665	(1.143)	169059	75.935	379.674
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.858	(0.979)	162404	113.777	568.887(R)
*	61 Phenanthrene-d10	188.00	15.179	(1.000)	524647	40.000	
	62 Phenanthrene	178.00	15.229	(1.003)	114749	6.707	33.536(a)
	63 Anthracene	178.00	15.336	(1.010)	58210	3.358	16.789(a)
	64 Di-n-butylphthalate	149.00	16.772	(1.105)	1020468	41.078	205.388
	65 Fluoranthene	202.00	17.986	(1.185)	16370	0.946	4.731(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.508	(0.865)	692594	36.680	183.399
$	68 Terphenyl-d14	244.00	19.015	(0.889)	488494	39.529	197.644
	69 Butylbenzylphthalate	149.00	20.279	(0.948)	16951	1.559	7.796(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.386	(1.000)	374102	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.743	(1.017)	10545	0.731	3.654(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.515	(1.000)	278455	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

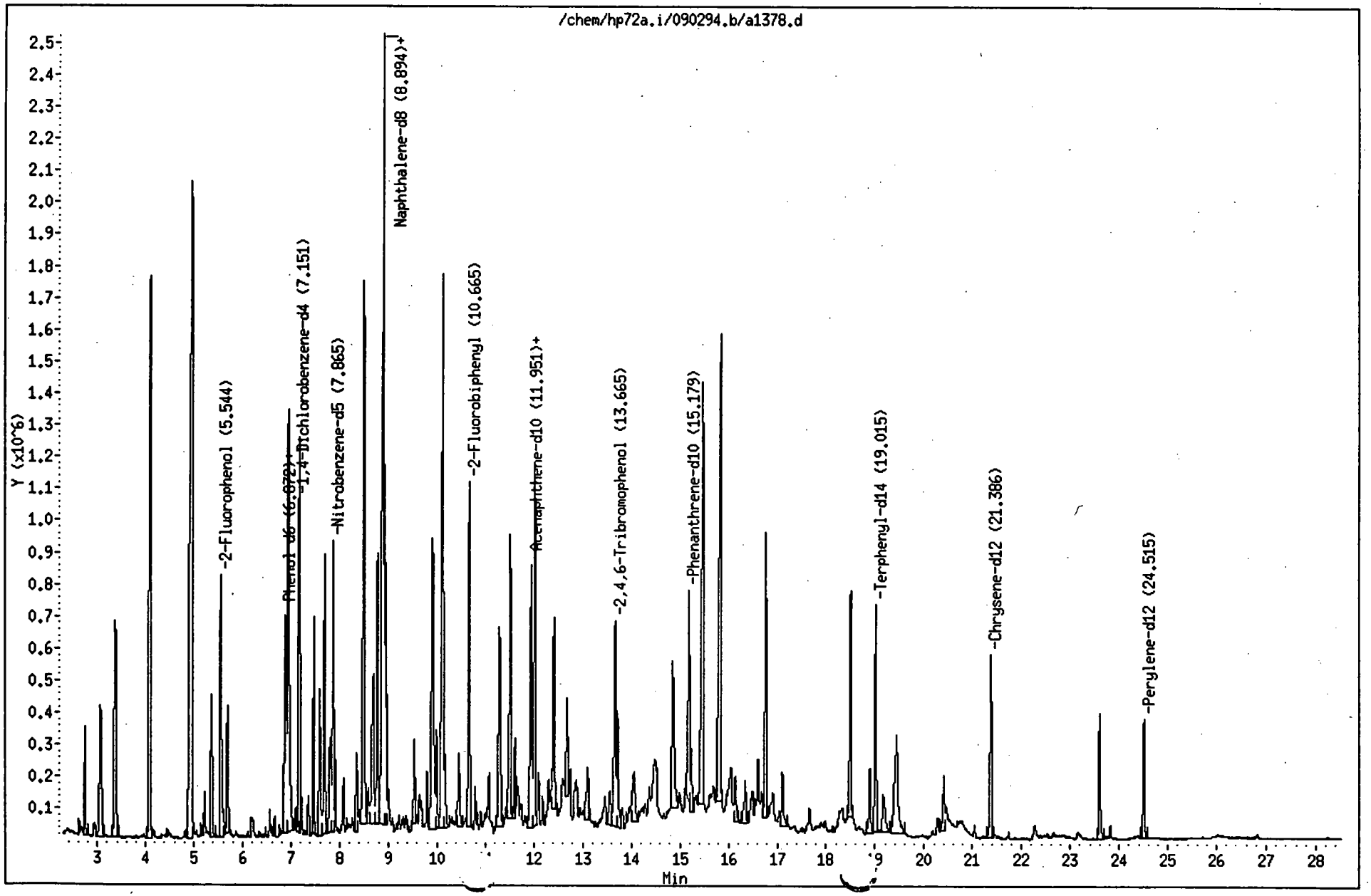
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090294.b/a1378.d
Date : 02-SEP-94 14:30
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000386



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk

ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 15:07

PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< 0.14	200.0	0.05	1	8270
m & p-Cresol	< 0.14	200.0	0.05	1	8270
Cresols	< 0.28	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000387

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1379.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 15:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-36(MSD34)
Misc Info : PRC/TCP/200:1/S-1/0826-36(MSD34)
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 11 QC Sample: MSD
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2773	0.507	2.534(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.547	(0.775)	489200	53.993	269.967
$	4 Phenol-d6	99.00	6.861	(0.959)	360497	43.956	219.782
	5 Aniline	93.00	6.933	(0.969)	15866	1.299	6.497(aQ)
	6 Phenol	94.00	6.883	(0.962)	489381	47.184	235.921
	7 bis(-2-Chloroethyl)Ether	93.00	6.933	(0.969)	15866	1.927	9.637(aQ)
	8 2-Chlorophenol	128.00	6.933	(0.969)	588365	74.933	374.666
	9 1,3-Dichlorobenzene	146.00	7.175	(1.003)	323911	38.088	190.441
	0 1,4-Dichlorobenzene-d4	152.00	7.154	(1.000)	197653	40.000	
	11 1,4-Dichlorobenzene	146.00	7.175	(1.003)	323911	40.207	201.037
	12 Benzyl alcohol	108.00	7.583	(1.060)	196654	41.789	208.945(TQ)
	13 1,2-Dichlorobenzene	146.00	7.175	(1.003)	323911	40.390	201.951
	14 2-Methylphenol	108.00	7.583	(1.060)	196654	27.944	139.720
	15 Bis(2-chloroisopropyl)ether	45.00	7.697	(1.076)	2246	0.227	1.135(aQ)
	16 3- & 4-Methylphenol	108.00	7.804	(1.091)	184055	28.969	144.845
	17 N-Nitroso-di-n-propylamine	70.00	7.697	(1.076)	286551	41.804	209.021
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	384376	40.281	201.405
	20 Nitrobenzene	77.00	8.075	(0.912)	21382	2.111	10.557(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.468	(0.956)	250117	43.485	217.426
	24 bis(-2-Chloroethoxy)methane	93.00	8.483	(0.958)	30810	2.974	14.868(aQ)
	25 Benzoic Acid	122.00	8.747	(1.223)	54760	16.724	83.620(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.775	(0.991)	254228	40.088	200.439
*	28 Naphthalene-d8	136.00	8.854	(1.000)	651589	40.000	
	29 Naphthalene	128.00	8.890	(1.004)	1892875	96.369	481.847

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.861	(1.001)	10218	1.141	5.703(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.897	(1.118)	502509	74.705	373.527
	33 2-Methylnaphthalene	142.00	9.990	(1.128)	129685	10.587	52.936
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.668	(0.893)	565520	38.628	193.142
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.654	(0.975)	87121	4.294	21.471(a)
	2 2,6-Dinitrotoluene	165.00	11.947	(1.000)	47554	12.325	61.626(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	363457	40.000	
	45 Acenaphthene	152.00	12.018	(1.006)	244104	41.237	206.183
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.575	(1.053)	60966	33.024	165.122
	48 Dibenzofuran	168.00	12.368	(1.035)	77167	4.362	21.810(a)
	49 2,4-Dinitrotoluene	165.00	12.418	(1.039)	180466	34.966	174.832
	50 Fluorene	166.00	13.097	(1.096)	67238	5.158	25.788(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.718	(0.904)	19206	2.192	10.961(TaQ)
	56 Azobenzene	77.00	13.454	(1.881)	4289	0.250	1.249(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.661	(1.143)	157920	72.168	360.840
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	9 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.854	(0.978)	139671	100.717	503.583
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	509720	40.000	
	62 Phenanthrene	178.00	15.225	(1.003)	115499	6.949	34.744(a)
	63 Anthracene	178.00	15.339	(1.010)	56780	3.371	16.856(a)
	64 Di-n-butylphthalate	149.00	16.768	(1.104)	969702	40.177	200.886
	65 Fluoranthene	202.00	17.982	(1.184)	14844	0.883	4.416(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.511	(0.865)	661617	35.682	178.410
$	68 Terphenyl-d14	244.00	19.018	(0.889)	451881	37.237	186.184
	69 Butylbenzylphthalate	149.00	20.282	(0.948)	13304	1.246	6.231(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.389	(1.000)	367363	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.016)	6221	0.439	2.195(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

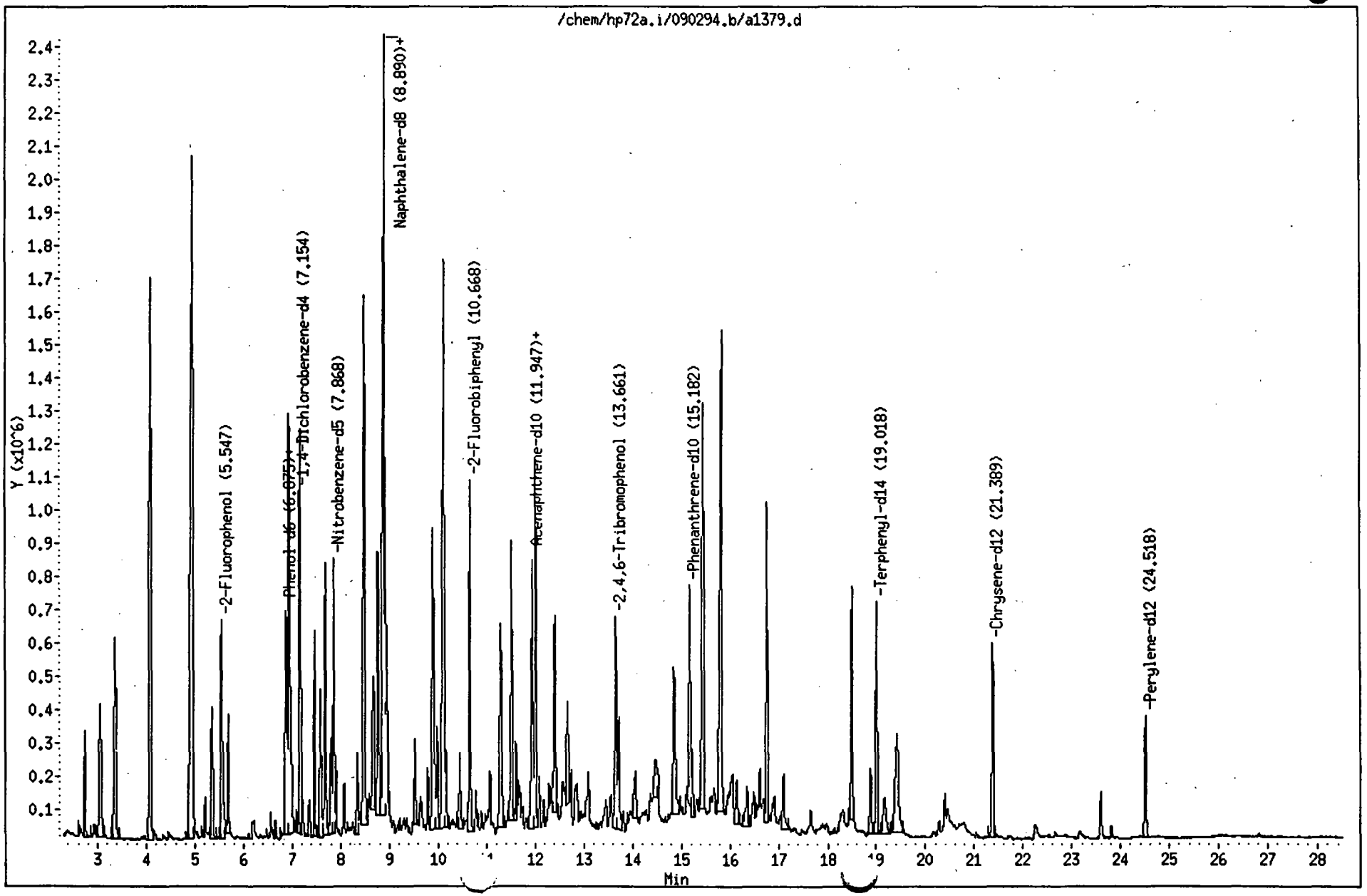
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.518	(1.000)	282881	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/hp72a.i/090294.b/a1379.d
Date : 02-SEP-94 15:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000391



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:09 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		923	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
Environmental Laboratories

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:09 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene	<	DL	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene.
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000393

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1462.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 21:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50MS-51
Misc Info : PRC/BNA/5:200/S-2/0826-50MS-51
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 13 QC Sample: MS
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.731	(0.383)	1105	0.357	14.284(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	7.138	(1.000)	1570	0.349	13.962(TaQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.228	9.136(aQ)
0	1,4-Dichlorobenzene-d4	152.00	7.138	(1.000)	115068	40.000	(a)
11	1,4-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.238	9.518(aQ)
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.242	9.684(aQ)
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.838	(1.000)	389714	40.000	(a)
29	Naphthalene	128.00	8.866	(1.003)	14462	1.330	53.185(a)
30	4-Chloroaniline	127.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.009	(1.133)	4681	0.661	26.440(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.995	(1.005)	3235	0.282	11.289(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	3 3-Nitroaniline	138.00	Compound Not Detected.				
	44 Acenaphthene-d10	164.00	11.938	(1.000)	217128	40.000	(a)
	45 Acenaphthene	152.00	11.995	(1.005)	3235	0.980	39.180(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.373	(1.036)	10192	1.037	41.467(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	18998	2.602	104.070(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	0 Pentachlorophenol	266.00	Compound Not Detected.				
	61 Phenanthrene-d10	188.00	15.166	(1.000)	308345	40.000	(a)
	62 Phenanthrene	178.00	15.216	(1.003)	71323	7.823	312.933(a)
	63 Anthracene	178.00	15.337	(1.011)	208941	23.085	923.387(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.980	(1.186)	53982	6.018	240.702(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.487	(0.865)	46710	4.796	191.840(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.352	(0.999)	10954	1.444	57.748(a)
*	71 Chrysene-d12	240.00	21.380	(1.000)	217123	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.437	(1.003)	20082	3.124	124.975(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.744	(0.969)	11803	1.494	59.754(a)
	77 Benzo(k)fluoranthene	252.00	24.287	(0.991)	3721	0.495	19.781(Ta)
	78 Benzo(a)pyrene	252.00	24.394	(0.995)	6219	0.910	36.419(a)
*	79 Perylene-d12	264.00	24.516	(1.000)	213441	40.000	(a)
	80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

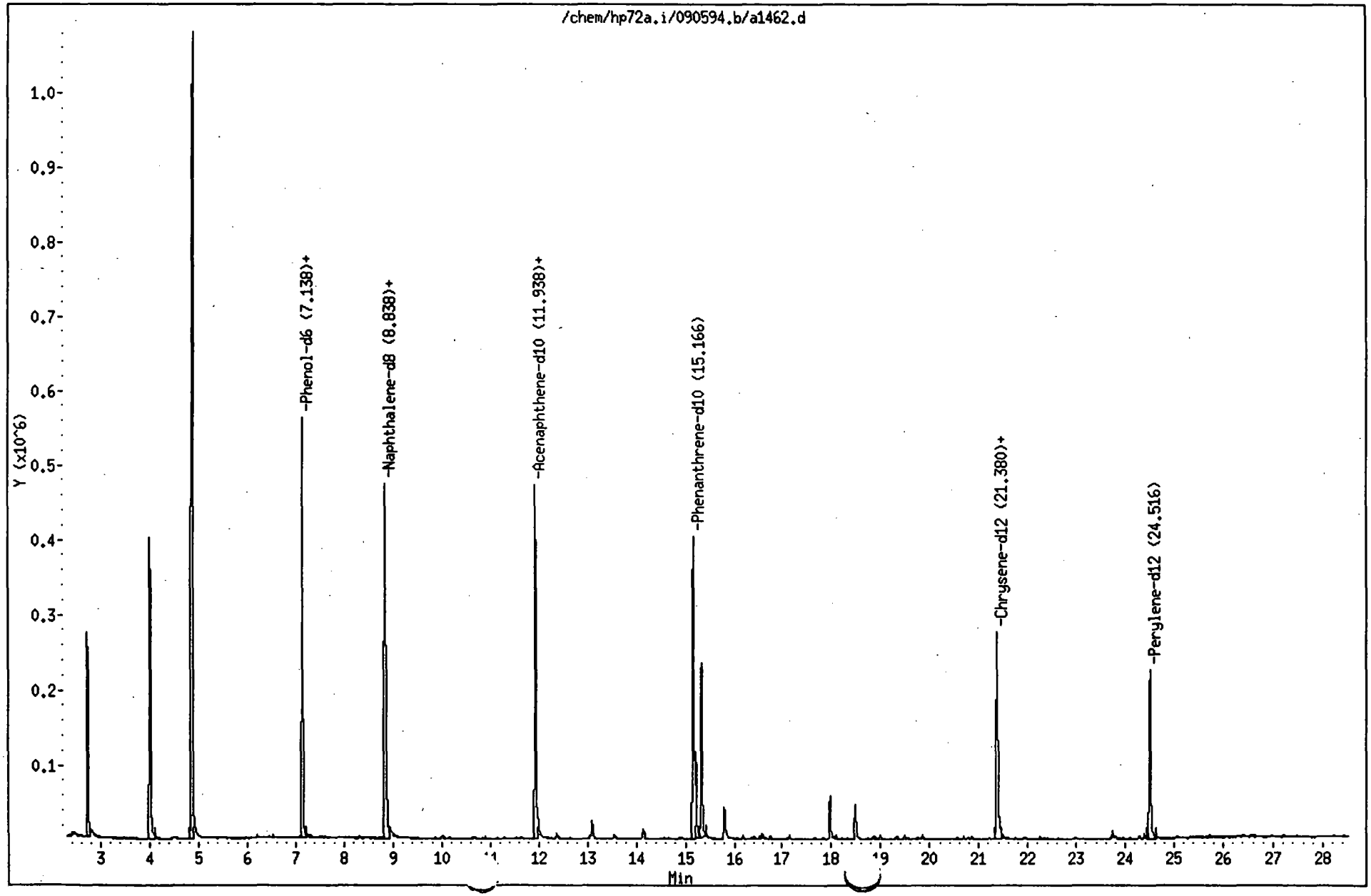
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1462.d
Date : 05-SEP-94 21:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000397



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:13 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1490	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000398

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:13 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		457	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000399

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1463.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 22:28 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50MSD-52
Misc Info : PRC/BNA/5:200/S-2/0826-50MSD-52
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 14 QC Sample: MSD
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1443	0.442	17.697(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.139	(1.000)	1853	0.391	15.634(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.350	13.999(aQ)
	10 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	121286	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.365	14.585(aQ)
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.371	14.839(TaQ)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	403692	40.000	(a)
	29 Naphthalene	128.00	8.867	(1.003)	22819	2.025	81.013(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.867	(1.003)	2541	0.502	20.061(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.996	(1.131)	8481	1.156	46.246(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.996	(1.005)	4641	0.384	15.345(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	229157	40.000	(a)
	45 Acenaphthene	152.00	11.996	(1.005)	4641	1.331	53.258(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.374	(1.036)	16864	1.625	65.011(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.097)	31811	4.128	165.112(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	318636	40.000	(a)
	62 Phenanthrene	178.00	15.217	(1.003)	107669	11.429	457.146(a)
	63 Anthracene	178.00	15.339	(1.011)	349023	37.316	1492.643(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	71242	7.685	307.404(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.489	(0.865)	55124	5.499	219.971(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.360	(0.999)	15892	2.035	81.403(a)
*	71 Chrysene-d12	240.00	21.381	(1.000)	223466	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.439	(1.003)	23897	3.612	144.495(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.746	(0.969)	16263	2.022	80.877(a)
	77 Benzo(k)fluoranthene	252.00	24.281	(0.990)	3659	0.478	19.107(Ta)
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	6646	0.956	38.230(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	217286	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

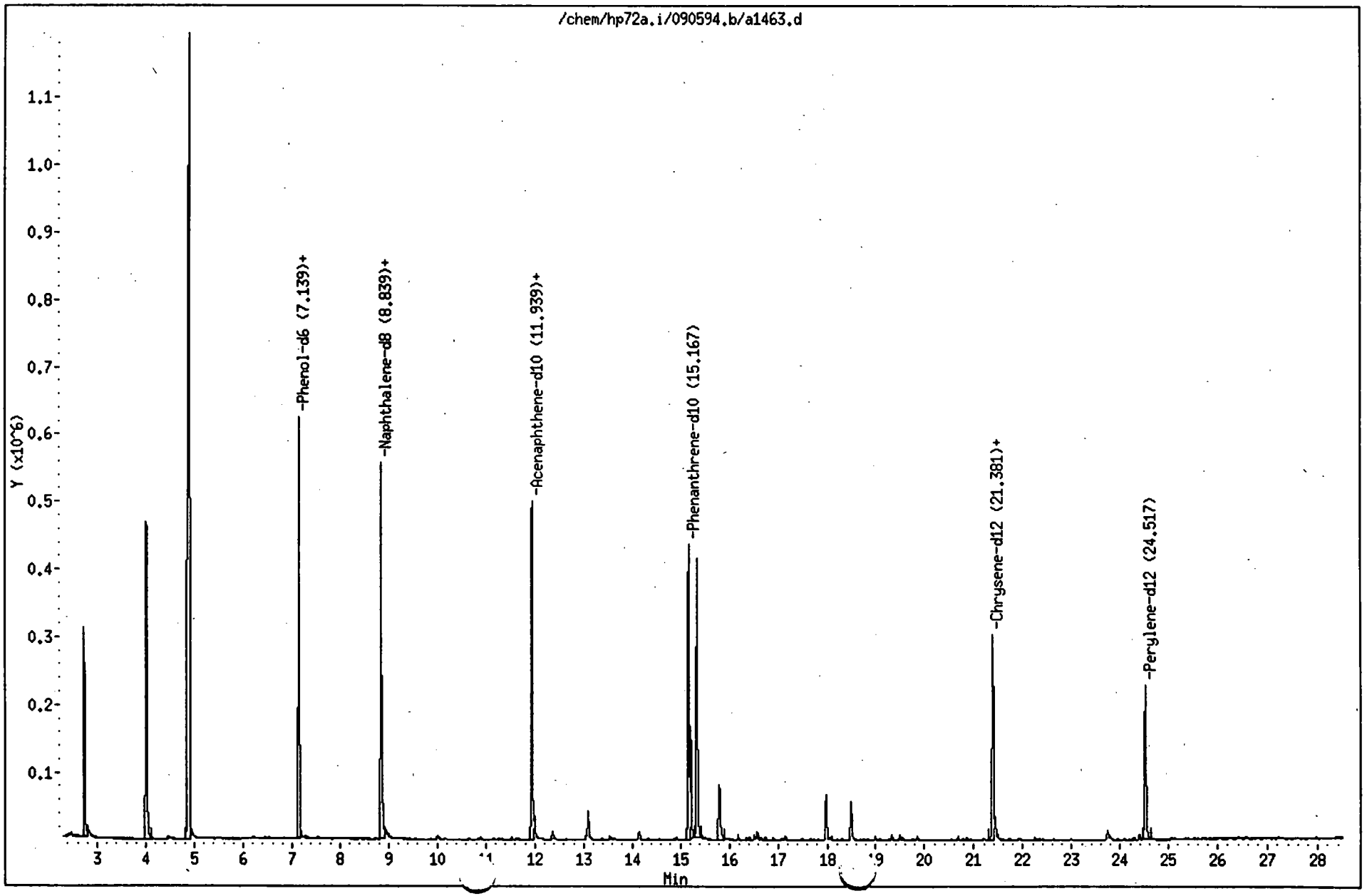
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1463.d
Date : 05-SEP-94 22:28
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000403



Report Date: 07-Sep-1994 11:31

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090594.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: Water625.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MST

SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6 Phenol	500.000	156.200	31.24	12-89
8 2-Chlorophenol	500.000	287.543	57.51	27-123
11 1,4-Dichlorobenzen	500.000	259.661	51.93	36-97
17 N-Nitroso-di-n-pro	500.000	445.144	89.03	41-116
27 1,2,4-Trichloroben	500.000	295.971	59.19	39-98
32 4-Chloro-3-Methylp	500.000	298.721	59.74	23-97
45 Acenaphthene	500.000	384.033	76.81	46-118
47 4-Nitrophenol	500.000	303.034	60.61	10-80
49 2,4-Dinitrotoluene	500.000	403.977	80.80	24-96
60 Pentachlorophenol	500.000	570.303	114.06 *	9-103
67 Pyrene	500.000	455.765	91.15	26-127

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	500.000	171.564	34.31	21-100
$ 4 Phenol-d6	500.000	161.217	32.24	10-94
$ 19 Nitrobenzene-d5	250.000	216.642	86.66	35-114
$ 37 2-Fluorobiphenyl	250.000	206.519	82.61	43-116
$ 57 2,4,6-Tribromophen	500.000	292.209	58.44	10-123
$ 68 Terphenyl-d14	250.000	254.124	101.65	33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

Report Date: 07-Sep-1994 11:31

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090594.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: Water625.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MSDT

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	500.000	166.787	33.36	12-89
8	2-Chlorophenol	500.000	303.426	60.69	27-123
11	1,4-Dichlorobenzen	500.000	252.087	50.42	36-97
17	N-Nitroso-di-n-pro	500.000	451.349	90.27	41-116
27	1,2,4-Trichloroben	500.000	280.154	56.03	39-98
32	4-Chloro-3-Methylp	500.000	324.901	64.98	23-97
45	Acenaphthene	500.000	385.284	77.06	46-118
47	4-Nitrophenol	500.000	294.723	58.94	10-80
49	2,4-Dinitrotoluene	500.000	403.459	80.69	24-96
60	Pentachlorophenol	500.000	560.388	112.08 *	9-103
67	Pyrene	500.000	491.634	98.33	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	500.000	187.930	37.59	21-100
$ 4	Phenol-d6	500.000	172.941	34.59	10-94
$ 19	Nitrobenzene-d5	250.000	223.620	89.45	35-114
$ 37	2-Fluorobiphenyl	250.000	207.141	82.86	43-116
$ 57	2,4,6-Tribromophen	500.000	327.350	65.47	10-123
$ 68	Terphenyl-d14	250.000	275.051	110.02	33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 00:20
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1466.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 00:20 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-51MST
Misc Info : PRC/TCP/200:1/S-1/0826-51MST
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 17 QC Sample: MS
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.674	(0.374)	225204	60.875	304.373
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.531	(0.773)	201650	34.313	171.564
$	4 Phenol-d6	99.00	6.845	(0.957)	173383	32.243	161.217
	5 Aniline	93.00	6.845	(0.957)	450715	58.580	292.899
	6 Phenol	94.00	6.859	(0.959)	222537	31.240	156.200
	7 bis(-2-Chloroethyl)Ether	93.00	6.845	(0.957)	450715	79.540	397.700
	8 2-Chlorophenol	128.00	6.931	(0.969)	297634	57.509	287.543
	9 1,3-Dichlorobenzene	146.00	7.074	(0.989)	267712	48.477	242.385
	0 1,4-Dichlorobenzene-d4	152.00	7.152	(1.000)	137570	40.000	
	11 1,4-Dichlorobenzene	146.00	7.174	(1.003)	275270	51.932	259.661
	12 Benzyl alcohol	108.00	7.552	(1.056)	1366	0.519	2.596(aQ)
	13 1,2-Dichlorobenzene	146.00	7.359	(1.029)	277886	53.336	266.681
	14 2-Methylphenol	108.00	7.552	(1.056)	1366	0.302	1.508(aQ)
	15 Bis(2-chloroisopropyl)ether	45.00	7.517	(1.051)	515068	79.887	399.436
	16 3- & 4-Methylphenol	108.00	7.552	(1.056)	1366	0.306	1.529(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.695	(1.076)	410563	89.029	445.144
	18 Hexachloroethane	117.00	7.774	(1.087)	109519	49.026	245.132
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	294642	43.328	216.642
	20 Nitrobenzene	77.00	7.895	(0.893)	537623	77.970	389.848
	21 Isophorone	82.00	8.217	(0.929)	1020793	85.491	427.454
	22 2-Nitrophenol	139.00	8.324	(0.941)	269389	75.346	376.731
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	91424	23.116	115.580
	24 bis(-2-Chloroethoxy)methane	93.00	8.538	(0.965)	565045	82.418	412.089
	25 Benzoic Acid	122.00	8.624	(1.206)	6838	2.503	12.517(aQ)
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	236073	59.728	298.638
	27 1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	248931	59.194	295.971
*	28 Naphthalene-d8	136.00	8.845	(1.000)	467303	40.000	
	29 Naphthalene	128.00	8.881	(1.004)	1085182	83.206	416.029

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.881	(1.004)	121396	20.699	103.493(Q)
	31 Hexachlorobutadiene	225.00	9.066	(1.025)	133286	48.388	241.939
	32 4-Chloro-3-Methylphenol	107.00	9.859	(1.115)	297087	59.744	298.721
	33 2-Methylnaphthalene	142.00	9.981	(1.128)	15962	1.880	9.399(a)
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	100670	37.581	187.905
	35 2,4,6-Trichlorophenol	196.00	10.538	(0.882)	164578	64.840	324.199
	36 2,4,5-Trichlorphenol	196.00	10.538	(0.882)	164578	55.111	275.555
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	400965	41.304	206.519
	38 2-Chloronaphthalene	162.00	10.866	(0.910)	612284	73.686	368.428
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	11.488	(0.962)	204335	18.925	94.625
	41 Acenaphthylene	152.00	11.659	(0.976)	1014302	75.146	375.732
	42 2,6-Dinitrotoluene	165.00	11.609	(0.972)	202630	77.728	388.639
	43 3-Nitroaniline	138.00	12.159	(1.018)	2478	0.958	4.788(TaQ)
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	255674	40.000	
	45 Acenaphthene	152.00	12.016	(1.006)	298702	76.807	384.033
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	125692	112.050	560.250
	47 4-Nitrophenol	109.00	12.538	(1.050)	74419	60.607	303.034
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.438	(1.041)	282957	80.795	403.977
	50 Fluorene	166.00	13.109	(1.097)	675943	78.614	393.069
	51 Diethylphthalate	149.00	12.988	(1.087)	598205	55.987	279.935
	52 4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	345177	77.186	385.930
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	13.309	(0.877)	173970	108.080	540.399
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	457293	82.834	414.168
	56 Azobenzene	77.00	13.509	(1.889)	1086907	89.861	449.306
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	88174	58.442	292.209
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	183831	86.449	432.245
	9 Hexachlorobenzene	284.00	14.316	(0.944)	200851	85.582	427.908
	60 Pentachlorophenol	266.00	14.823	(0.977)	123286	114.061	570.303(R)
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	348003	40.000	
	62 Phenanthrene	178.00	15.245	(1.005)	907607	88.209	441.046
	63 Anthracene	178.00	15.359	(1.012)	881830	86.325	431.627
	64 Di-n-butylphthalate	149.00	16.766	(1.105)	1277397	85.322	426.608
	65 Fluoranthene	202.00	18.002	(1.186)	856395	84.586	422.931
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.516	(0.865)	848809	91.153	455.765
$	68 Terphenyl-d14	244.00	19.009	(0.888)	304166	50.825	254.124
	69 Butylbenzylphthalate	149.00	20.295	(0.948)	476201	88.755	443.776
	70 Benzo(a)anthracene	228.00	21.380	(0.999)	663522	91.465	457.324
*	71 Chrysene-d12	240.00	21.409	(1.000)	207594	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.001)	129572	52.363	261.814
	73 Chrysene	228.00	21.473	(1.003)	546701	88.960	444.802
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.016)	666122	92.403	462.015
	75 Di-n-octylphthalate	149.00	23.230	(0.947)	1109784	67.282	336.409
	76 Benzo(b)fluoranthene	252.00	23.780	(0.969)	576804	67.944	339.718
	77 Benzo(k)fluoranthene	252.00	23.845	(0.972)	518837	64.176	320.878
	78 Benzo(a)pyrene	252.00	24.423	(0.996)	490629	66.850	334.249

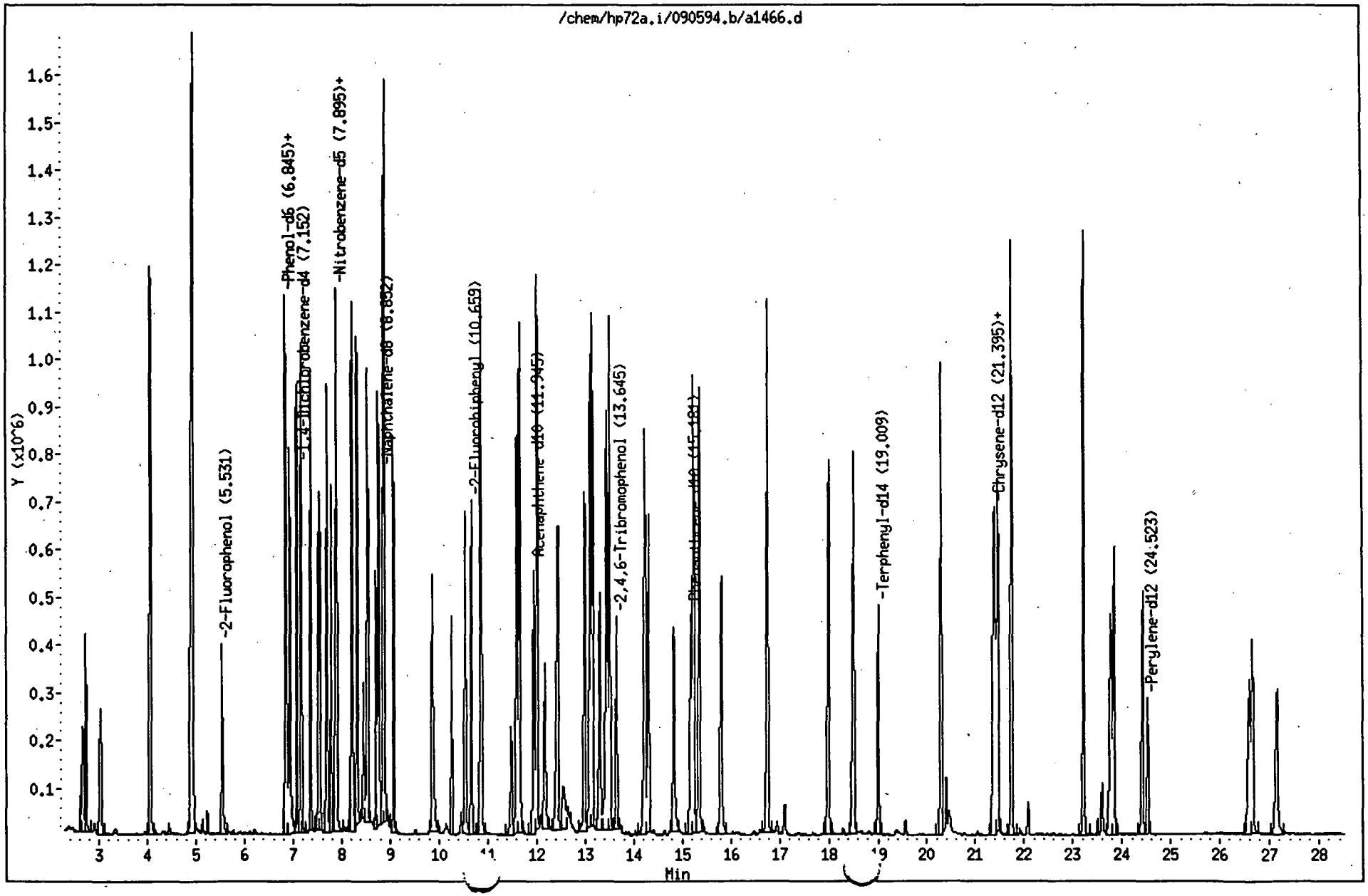
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.530	(1.000)	229337	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.602	(1.084)	458697	73.131	365.655
81 Dibenzo(a,h)anthracene	278.00	26.673	(1.087)	451910	68.810	344.052
82 Benzo(g,h,i)perylene	276.00	27.159	(1.107)	463539	72.750	363.750

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1466.d
Date : 06-SEP-94 00:20
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000410



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 00:58
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1467.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 00:58 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-51MSDT
Misc Info : PRC/TCP/200:1/S-1/0826-51MSDT
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 18 QC Sample: MSD
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.688	(0.376)	217734	60.427	302.135
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.524	(0.773)	215141	37.586	187.930
$	4 Phenol-d6	99.00	6.838	(0.957)	181154	34.588	172.941
	5 Aniline	93.00	6.845	(0.958)	444516	59.317	296.584
	6 Phenol	94.00	6.860	(0.960)	231439	33.357	166.787
	7 bis(-2-Chloroethyl)Ether	93.00	6.845	(0.958)	444516	80.541	402.704
	8 2-Chlorophenol	128.00	6.931	(0.970)	305906	60.685	303.426
	9 1,3-Dichlorobenzene	146.00	7.074	(0.990)	255807	47.558	237.790
	0 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	133992	40.000	
	11 1,4-Dichlorobenzene	146.00	7.174	(1.004)	260290	50.417	252.087
	12 Benzyl alcohol	108.00	7.552	(1.057)	1476	0.576	2.880(aQ)
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	262950	51.817	259.085
	14 2-Methylphenol	108.00	7.552	(1.057)	1476	0.335	1.673(aQ)
	15 Bis(2-chloroisopropyl)ether	45.00	7.517	(1.052)	515158	82.035	410.174
	16 3- & 4-Methylphenol	108.00	7.552	(1.057)	1476	0.339	1.696(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.695	(1.077)	405459	90.270	451.349
	18 Hexachloroethane	117.00	7.774	(1.088)	104330	47.951	239.753
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	296667	44.724	223.620
	20 Nitrobenzene	77.00	7.895	(0.893)	535863	79.670	398.350
	21 Isophorone	82.00	8.217	(0.929)	995652	85.484	427.419
	22 2-Nitrophenol	139.00	8.317	(0.940)	269699	77.331	386.655
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	67081	17.388	86.939
	24 bis(-2-Chloroethoxy)methane	93.00	8.538	(0.965)	556448	83.206	416.032
	25 Benzoic Acid	122.00	8.624	(1.207)	6519	2.450	12.252(aQ)
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	239858	62.212	311.062
	27 1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	229844	56.031	280.154
*	28 Naphthalene-d8	136.00	8.845	(1.000)	455832	40.000	
	29 Naphthalene	128.00	8.881	(1.004)	1046780	82.281	411.406

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
30	4-Chloroaniline	127.00	8.881	(1.004)	85809	14.999	74.995(Q)
31	Hexachlorobutadiene	225.00	9.067	(1.025)	119414	44.443	222.214
32	4-Chloro-3-Methylphenol	107.00	9.859	(1.115)	315192	64.980	324.901
33	2-Methylnaphthalene	142.00	9.981	(1.128)	15821	1.910	9.550(a)
34	Hexachlorocyclopentadiene	237.00	10.259	(0.859)	92988	35.428	177.142
35	2,4,6-Trichlorophenol	196.00	10.538	(0.882)	168513	67.758	338.789
36	2,4,5-Trichlorphenol	196.00	10.538	(0.882)	168513	57.591	287.956
$ 37	2-Fluorobiphenyl	172.00	10.659	(0.892)	394055	41.428	207.141
38	2-Chloronaphthalene	162.00	10.867	(0.910)	582630	71.561	357.807
39	2-Nitroaniline	138.00	Compound Not Detected.				
40	Dimethylphthalate	163.00	11.488	(0.962)	128823	12.177	60.885
41	Acenaphthylene	152.00	11.659	(0.976)	988717	74.760	373.800
42	2,6-Dinitrotoluene	165.00	11.609	(0.972)	202005	79.084	395.422
43	3-Nitroaniline	138.00	12.167	(1.019)	2307	0.910	4.550(TaQ)
* 44	Acenaphthene-d10	164.00	11.945	(1.000)	250513	40.000	
45	Acenaphthene	152.00	12.017	(1.006)	293626	77.057	385.284
46	2,4-Dinitrophenol	184.00	12.167	(1.019)	130985	119.174	595.871
47	4-Nitrophenol	109.00	12.552	(1.051)	70917	58.945	294.723(Q)
48	Dibenzofuran	168.00	Compound Not Detected.				
49	2,4-Dinitrotoluene	165.00	12.438	(1.041)	276890	80.692	403.459
50	Fluorene	166.00	13.109	(1.097)	667838	79.271	396.356
51	Diethylphthalate	149.00	12.988	(1.087)	508991	48.619	243.094
52	4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	340782	77.773	388.866
53	4-Nitroaniline	138.00	Compound Not Detected.				
54	4,6-Dinitro-o-cresol	198.00	13.309	(0.877)	175282	107.020	535.100
55	N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	462693	82.369	411.843
56	Azobenzene	77.00	13.509	(1.891)	1078948	91.585	457.926
$ 57	2,4,6-Tribromophenol	330.00	13.652	(1.143)	96784	65.470	327.350
58	4-Bromophenyl-phenylether	248.00	14.238	(0.938)	180771	83.546	417.731
59	Hexachlorobenzene	284.00	14.316	(0.943)	201772	84.494	422.468
60	Pentachlorophenol	266.00	14.824	(0.976)	123265	112.078	560.388(R)
* 61	Phenanthrene-d10	188.00	15.181	(1.000)	354100	40.000	
62	Phenanthrene	178.00	15.245	(1.004)	907449	86.675	433.376
63	Anthracene	178.00	15.359	(1.012)	885221	85.165	425.826
64	Di-n-butylphthalate	149.00	16.766	(1.104)	1243072	81.599	407.997
65	Fluoranthene	202.00	18.002	(1.186)	833517	80.909	404.545
66	Benzidine	184.00	Compound Not Detected.				
67	Pyrene	202.00	18.516	(0.865)	820914	98.327	491.634
$ 68	Terphenyl-d14	244.00	19.009	(0.888)	295165	55.010	275.051
69	Butylbenzylphthalate	149.00	20.295	(0.948)	434820	90.391	451.956
70	Benzo(a)anthracene	228.00	21.381	(0.999)	605708	93.127	465.633
* 71	Chrysene-d12	240.00	21.402	(1.000)	186124	40.000	
72	3,3'-Dichlorobenzidine	252.00	21.431	(1.001)	124471	56.104	280.519
73	Chrysene	228.00	21.466	(1.003)	511044	92.751	463.754
74	bis(2-Ethylhexyl)phthalate	149.00	21.745	(1.016)	632239	97.820	489.098
75	Di-n-octylphthalate	149.00	23.231	(0.947)	1009611	72.492	362.460
76	Benzo(b)fluoranthene	252.00	23.773	(0.969)	518721	72.365	361.827
77	Benzo(k)fluoranthene	252.00	23.838	(0.972)	442242	64.785	323.926
78	Benzo(a)pyrene	252.00	24.423	(0.996)	426584	68.838	344.190

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.523	(1.000)	193641	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.595	(1.084)	373815	70.584	352.922
81 Dibenzo(a,h)anthracene	278.00	26.659	(1.087)	374768	67.584	337.918
82 Benzo(g,h,i)perylene	276.00	27.145	(1.107)	380588	70.742	353.711

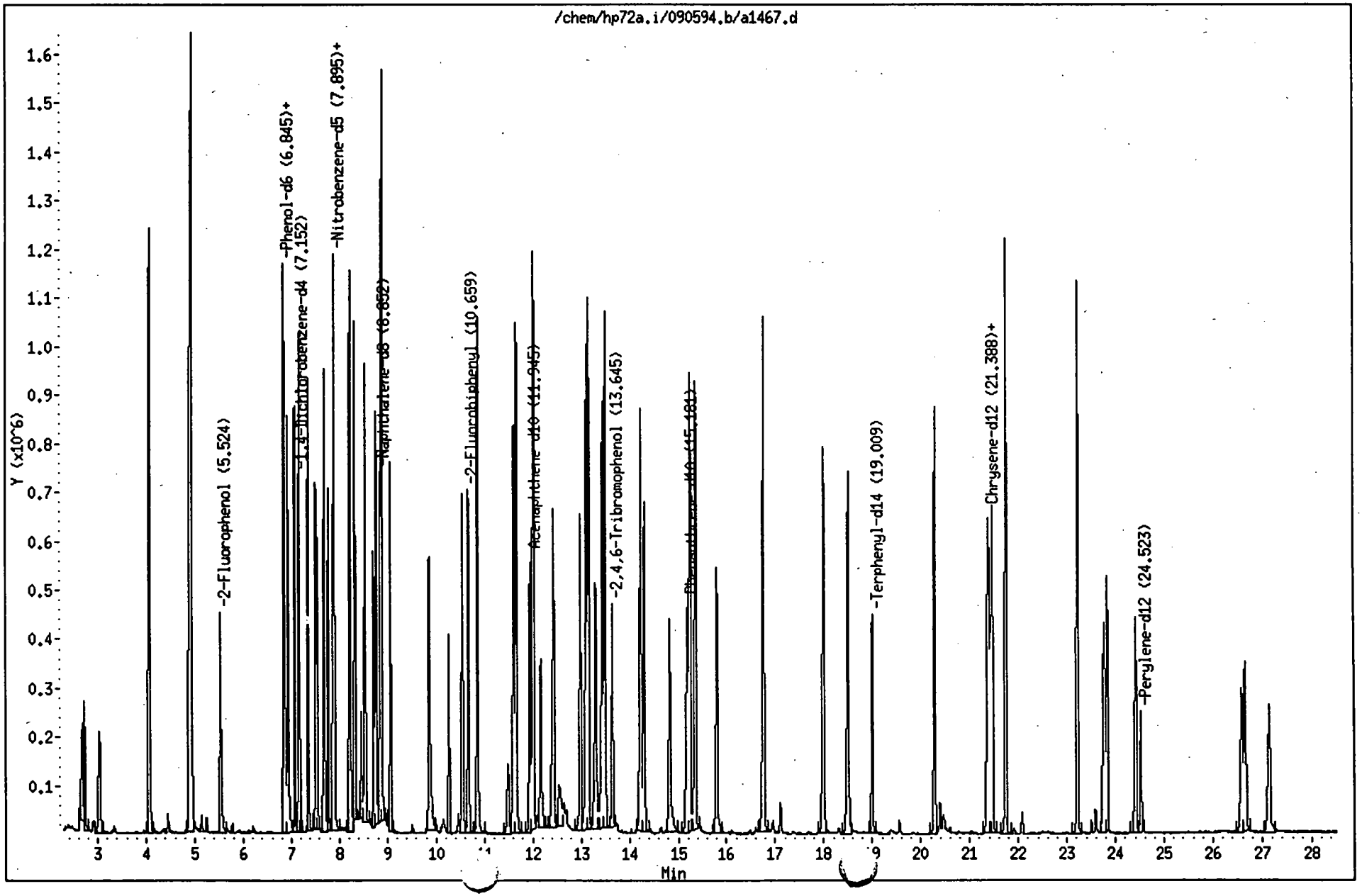
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
(- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1467.d
Date : 06-SEP-94 00:58
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000415



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

PART 2 OF 2

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: MR LUIS VEGA
CLIENT ID: 2291
GROUP NO : 9403016

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

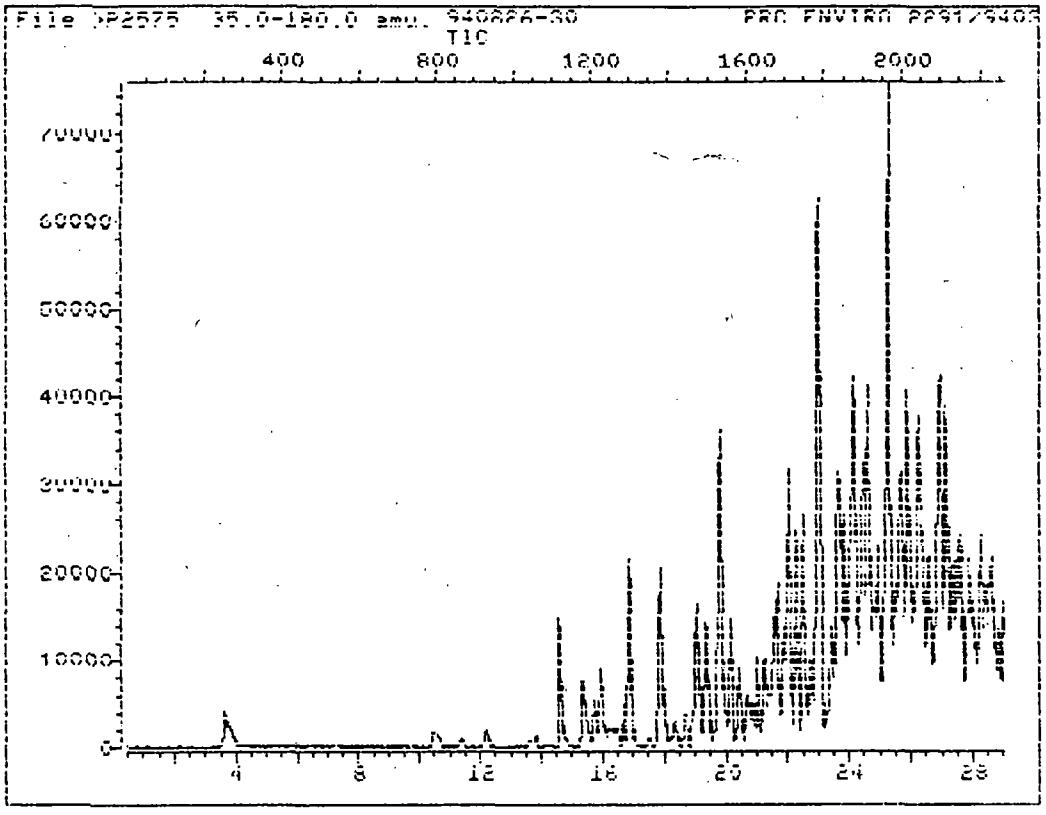
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 12:37 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		0.64	125	0.625
Bromoform	<	DL	125	0.625
Carbon tetrachloride	<	DL	125	0.625
Chlorobenzene	<	DL	125	0.625
Chlorodibromomethane	<	DL	125	0.625
Chloroethane	<	DL	125	0.625
2-Chloroethylvinyl ether	<	DL	125	0.625
Chloroform	<	DL	125	0.625
1,2-Dichlorobenzene	<	DL	125	0.625
1,4-Dichlorobenzene	<	DL	125	0.625
1,3-Dichlorobenzene	<	DL	125	0.625
Dichlorobromomethane	<	DL	125	0.625
1,1-Dichloroethane	<	DL	125	0.625
1,2-Dichloroethane	<	DL	125	0.625
1,1-Dichloroethene	<	DL	125	0.625
trans-1,2-Dichloroethene	<	DL	125	0.625
1,2-Dichloropropane	<	DL	125	0.625
1,3-Dichloropropylene	<	DL	125	0.625
trans-1,3-Dichloropropene	<	DL	125	0.625
Ethylbenzene		0.63	125	0.625
Methyl bromide	<	DL	125	0.625
Methyl chloride	<	DL	125	0.625
Methylene chloride	<	DL	125	0.625
1,1,2,2-Tetrachloroethane	<	DL	125	0.625
Tetrachloroethene	<	DL	125	0.625
Toluene		1010.	125	0.625
1,1,1-Trichloroethane	<	DL	125	0.625
1,1,2-Trichloroethane	<	DL	125	0.625
Trichloroethene	<	DL	125	0.625
Trichlorofluoromethane	<	DL	125	0.625
Vinyl chloride	<	DL	125	0.625
Total Xylene		8.70	125	0.625

0000417

TOTAL ION CHROMATOGRAM



Data File: >P2575::B5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/1250L/JS

Id File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940909 12:22

Operator ID: BUBBA
Quant Time: 940909 13:07
Injected at: 940909 12:37

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 13:07
Output File: ^P2575::D1 Injected at: 940909 12:37
Data File: >P2575::A5 Dilution Factor: 175.0000
Name: 940826-30
Misc: PRC ENVIRO 2791/9403016/175DL/JS

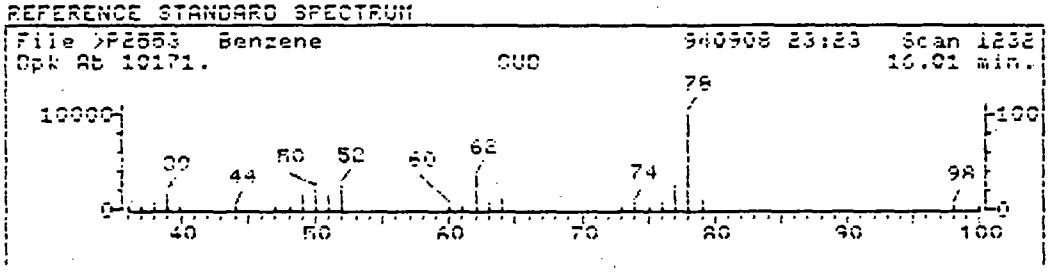
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

625

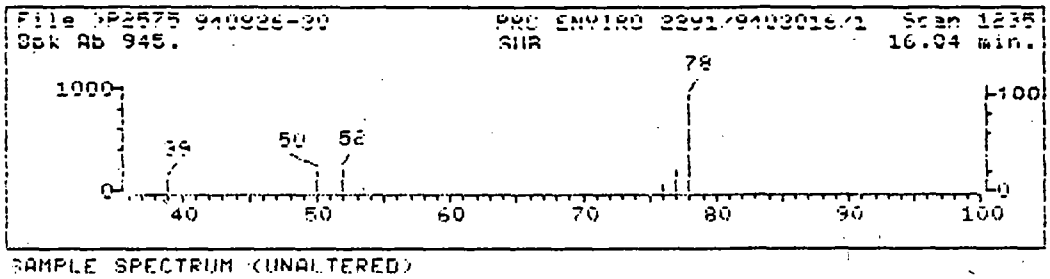
	Compound	R.T.	Scan#	Area	Conc	Units	q
10)	*BROMOCHLOROMETHANE	14.59	1120	11413	50.00	PPB	7[illegible]
11)	Methylene chloride	10.44	791	2014	~~319.97~~	PPB	8[illegible]
18)	Chloroform	14.79	1136	910	~~128.75~~	PPB	9[illegible]
20)	*1,4-DIFLUOROBENZENE	16.85	1299	50576	50.00	PPB	8[illegible]
22)	1,2-DICHLOROETHANE-D4	15.90	1224	19645	6250.84 100	PPB	8[illegible]
24)	Benzene	16.04	1235	5910	637.70	PPB	10[illegible]
30)	4-Methyl-2-pentanone	19.77	1530	~~4200~~	1415.52	PPB	6[illegible]
31)	TOLUENE-D8	19.79	1532	45562	6730.57 108	PPB	9[illegible]
32)	Toluene	19.92	1542	9521	1010.92	PPB	8[illegible]
35)	*CHLOROBENZENE-D5	22.50	1746	38615	50.00	PPB	9[illegible]
38)	2-Hexanone	21.23	1646	~~8472~~	4965.20	PPB	4[illegible]
40)	Chlorobenzene	22.55	1750	929	~~140.23~~	PPB	9[illegible]
41)	Ethyl benzene	22.72	1764	1992	631.71	PPB	9[illegible]
42)	p,m-Xylene	22.93	1780	25760M	6542.48	PPB	9[illegible]
43)	o-Xylene	23.67	1839	8929	2164.25	PPB	9[illegible]
46)	BROMOFLUOROBENZENE	24.60	1912	37291M	7210.25 116	PPB	6[illegible]
47)	1,1,2,2-Tetrachloroethane	24.93	1938	2166	~~455.97~~	PPB	5[illegible]

* Compound is ISTD

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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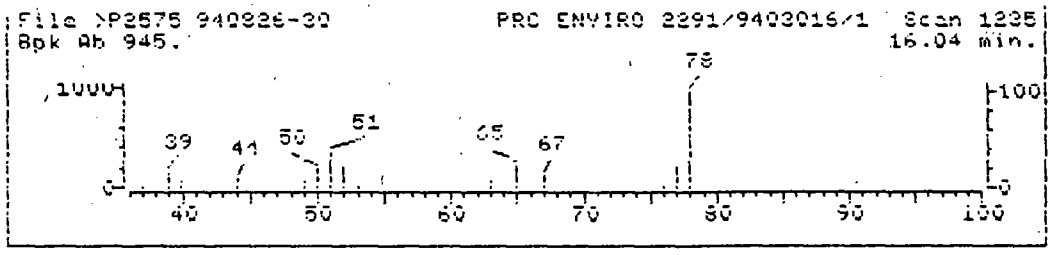
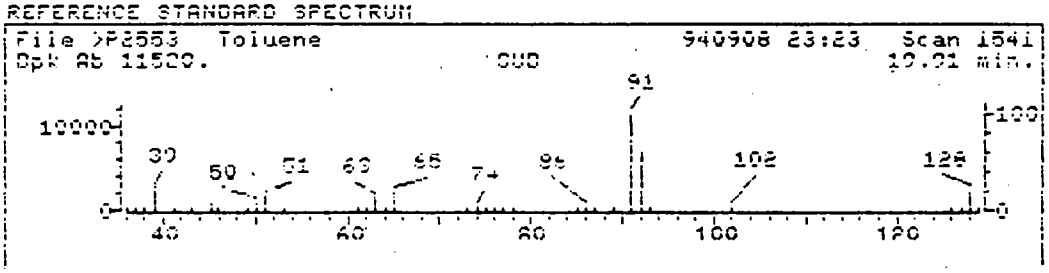


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCOM1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 5910
Concentration: 6372.20 PPB
q-value: 100

REFERENCE STA
File >P2553
Bpk Ab 4140.
43

REFERENCE STANDARD SPECTRUM



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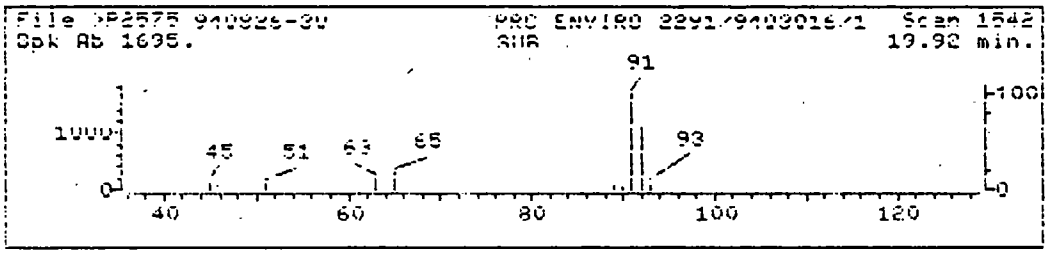

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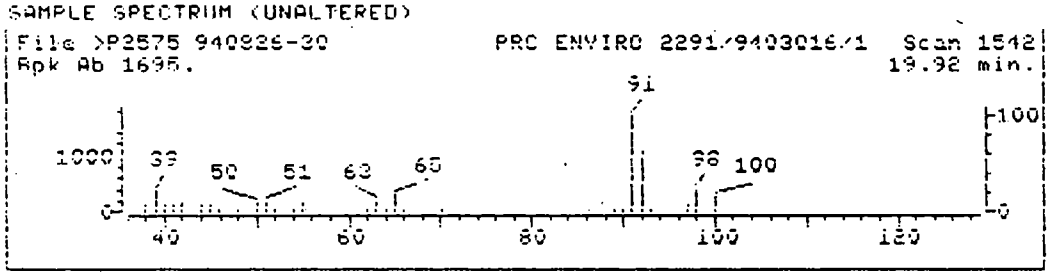
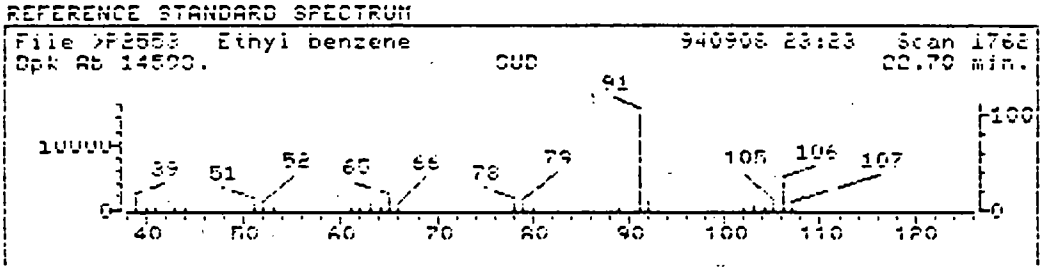


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940926-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCOM1::A5
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 32
Compound Name: Toluene
Scan Number: 1542
Retention Time: 19.92 min.
Quant Ion: 91.0
Area: 9521
Concentration: 1010.92 PPB
q-value: 89

REFERENCE S
File >P2553
Bpk Ab 11520.

REFERENCE STANDARD SPECTRUM



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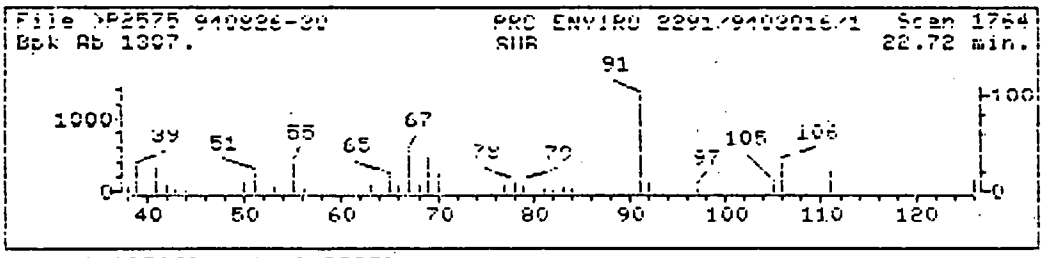

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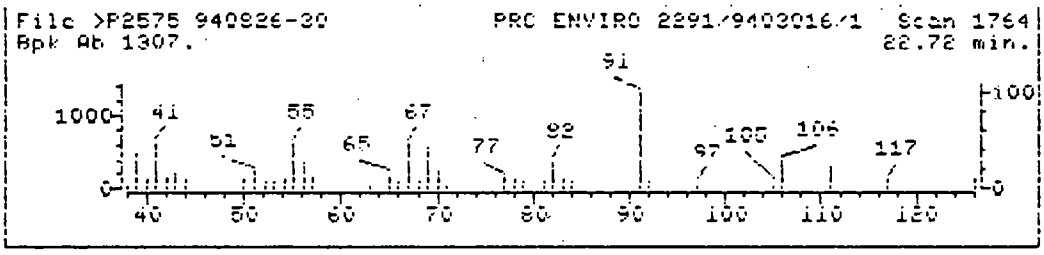
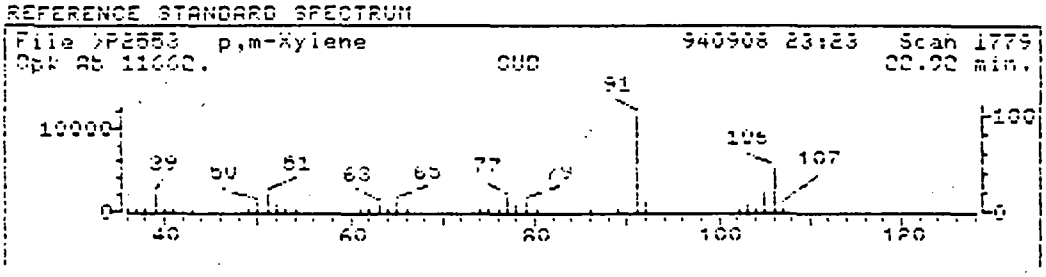


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCCM1::A5
Injected at: 940908 12:37 Last Calibration: 940909 12:22

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1764
Retention Time: 22.72 min.
Quant Ion: 106.0
Area: 1992
Concentration: 631.71 PPB
q-value: 98

REFERENCE STANDARD SPECTRUM



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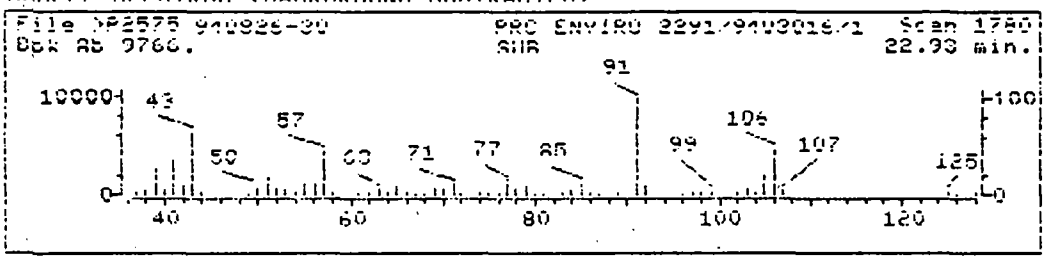

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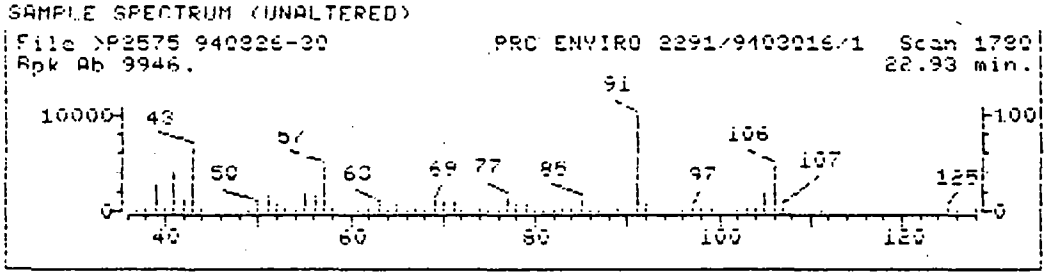
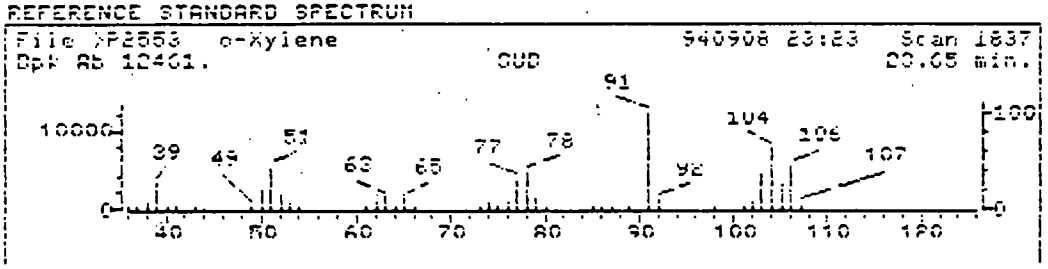


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940926-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCOM1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

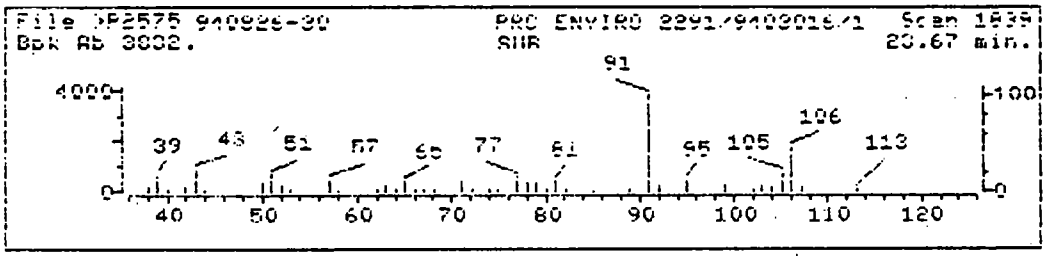
Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1780
Retention Time: 22.93 min.
Quant Ion: 106.0
Area: 25760M
Concentration: 6542.48 PPB
q-value: 97

REFERENCE STANDARD SPECTRUM
File >P2553 p,m-Xylene
Bpk Ab 11660.

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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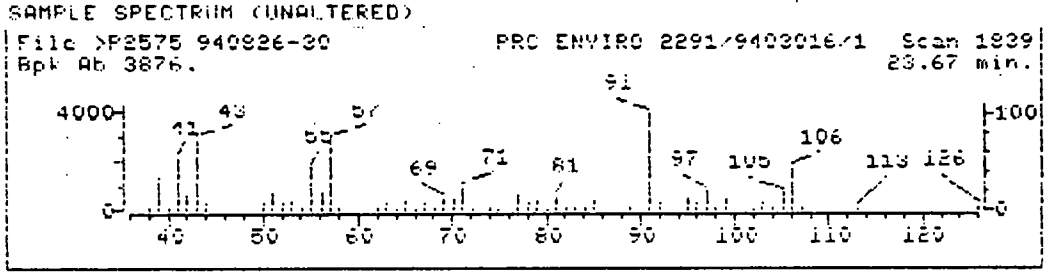


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCC01::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1839
Retention Time: 23.67 min.
Quant Ion: 106.0
Area: 8929
Concentration: 2164.25 PPB
q-value: 92

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:52
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.06	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000425

QUANT REPORT

Operator ID: JULES
Output File: ^G6411::SC
Data File: >G6411::A4
Name: 940826-030
Misc: PRC 10DL

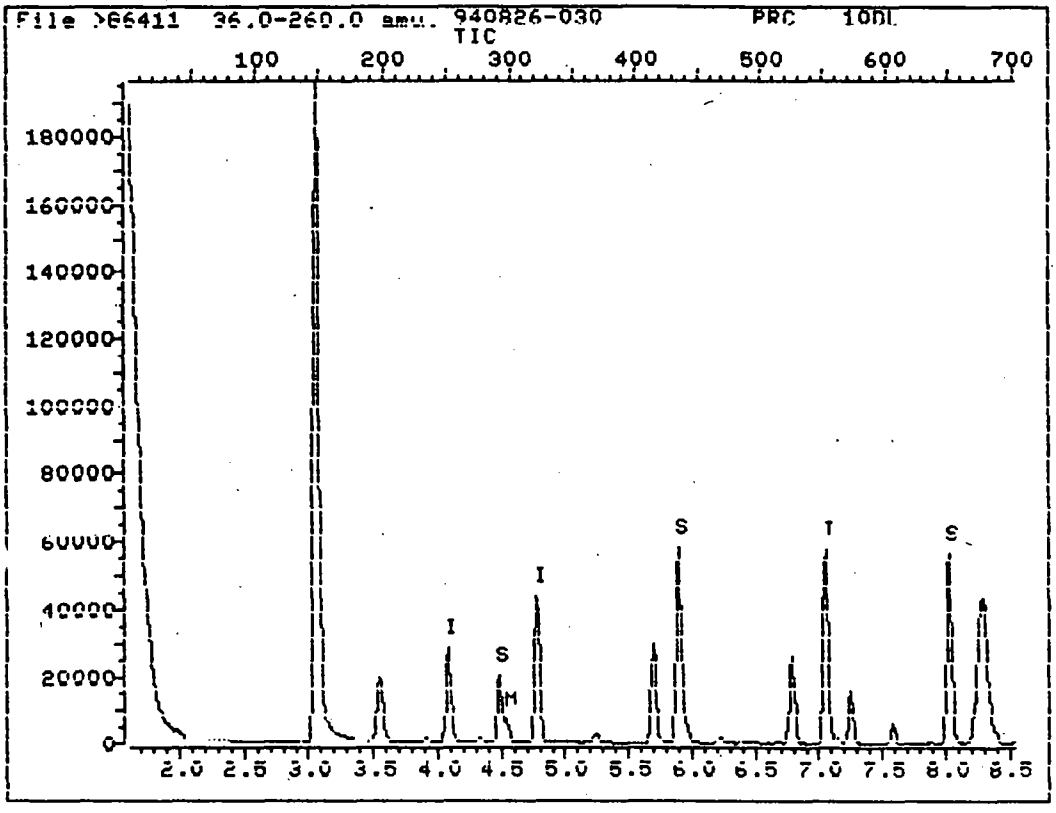
Quant Rev: 6 Quant Time: 940830 11:55
Injected at: 940828 03:52
Dilution Factor: 10.00000

ID File: 1D1NW2::A3
Title: VOA 1DF1LE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9088	50.00	ug/L	71
20)	*1,4-DIFLUOROBENZENE	4.78	322	48079	50.00	ug/L	90
22)	1,2-DICHLOROETHANE-D4	4.48	292	18546	576.22	ug/L	88
24)	Benzene	4.54	298	4908	63.51	ug/L	100
31)	TOLUENE-D8	5.90	435	54333	583.88	ug/L	95
35)	*CHLOROBENZENE-D5	7.05	552	44172	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.03	651	31195	529.33	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



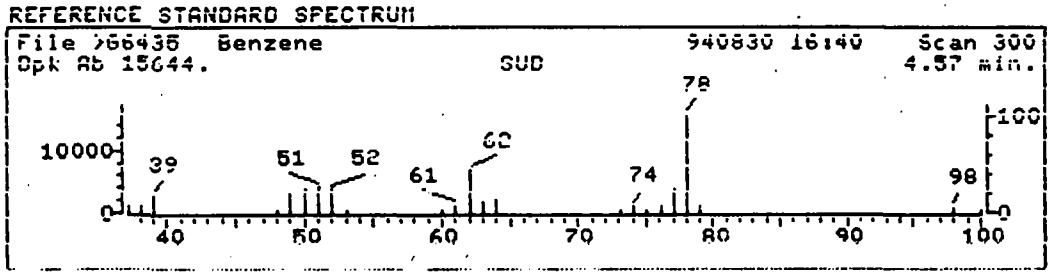
Data File: >G6411::A4
Name: 940826-030
Misc: PRC 10DL

Quant Output File: ^G6411::SC

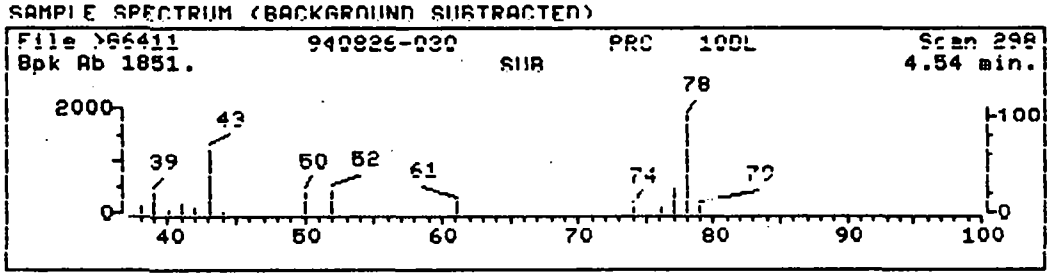
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:55
Injected at: 940828 03:52

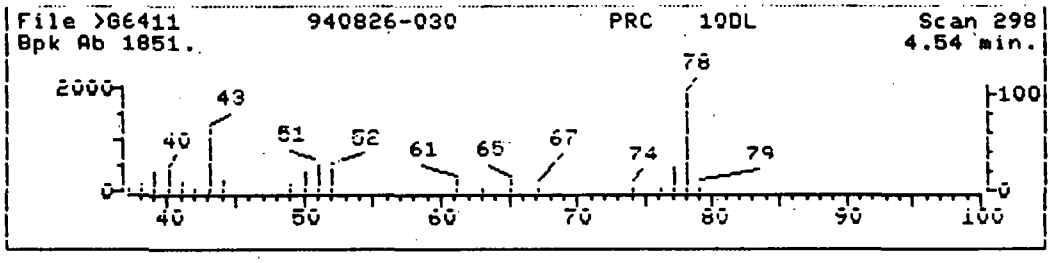
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6411::A4
Name: 940826-030
Misc: PRC 10DL
Quant Time: 940830 11:55
Injected at: 940828 03:52

Quant Output File: ^G6411::SC

Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 4908
Concentration: 63.51 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 14:08 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		4.34	500	2.5
Bromoform	<	DL	500	2.5
Carbon tetrachloride	<	DL	500	2.5
Chlorobenzene	<	DL	500	2.5
Chlorodibromomethane	<	DL	500	2.5
Chloroethane	<	DL	500	2.5
2-Chloroethylvinyl ether	<	DL	500	2.5
Chloroform	<	DL	500	2.5
1,2-Dichlorobenzene	<	DL	500	2.5
1,4-Dichlorobenzene	<	DL	500	2.5
1,3-Dichlorobenzene	<	DL	500	2.5
Dichlorobromomethane	<	DL	500	2.5
1,1-Dichloroethane	<	DL	500	2.5
1,2-Dichloroethane	<	DL	500	2.5
1,1-Dichloroethene	<	DL	500	2.5
trans-1,2-Dichloroethene	<	DL	500	2.5
1,2-Dichloropropane	<	DL	500	2.5
1,3-Dichloropropylene	<	DL	500	2.5
trans-1,3-Dichloropropene	<	DL	500	2.5
Ethylbenzene		8.25	500	2.5
Methyl bromide	<	DL	500	2.5
Methyl chloride	<	DL	500	2.5
Methylene chloride		7.89	500	2.5
1,1,2,2-Tetrachloroethane	<	DL	500	2.5
Tetrachloroethene	<	DL	500	2.5
Toluene		10.3	500	2.5
1,1,1-Trichloroethane	<	DL	500	2.5
1,1,2-Trichloroethane		3.44	500	2.5
Trichloroethene	<	DL	500	2.5
Trichlorofluoromethane	<	DL	500	2.5
Vinyl chloride	<	DL	500	2.5
Total Xylene		48.8	500	2.5

0000429

QUANT REPORT

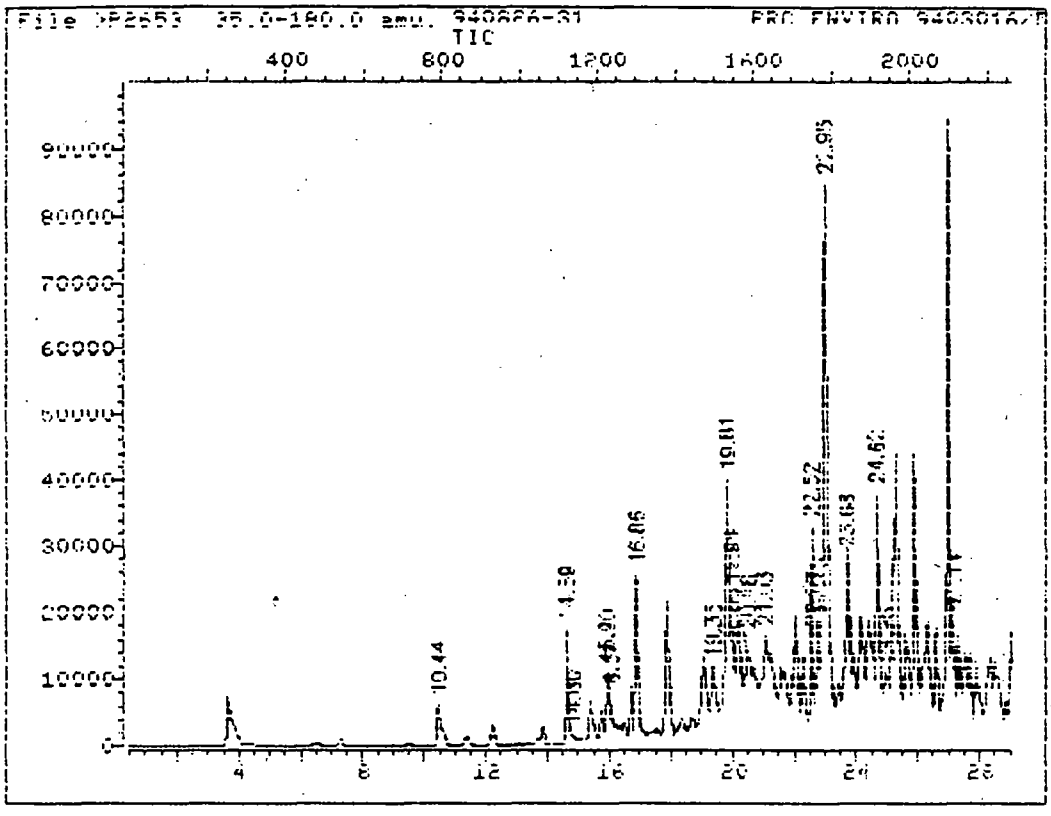
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 14:38
Output File: ^P2653::D1 Injected at: 940912 14:08
Data File: >P2653::A5 Dilution Factor: 500.0000
Name: 940826-31
Misc: PRC ENVIRO 940816/500DL/JS

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	Q
1)	*BROMOCHLOROMETHANE	14.59	1120	13047	50.00	PPB	8
11)	Methylene chloride	10.44	791	8464	7868.74	PPB	8
18)	Chloroform	14.80	1137	1308	691.69	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.66	1300	57150	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	15.90	1224	20873	22358.19	PPB	7
23)	1,2-Dichloroethane	16.07	1237	1500	1371.60	PPB	9
24)	Benzene	16.04	1235	10775	4838.59	PPB	10
30)	4-Methyl-2-pentanone	19.35	1497	15400	20102.25	PPB	4
31)	TOLUENE-D8	19.87	1533	50399	22599.38	PPB	9
32)	Toluene	19.84	1543	26834	10317.59	PPB	9
33)	t-1,3-Dichloropropene	20.48	1586	1672	1687.71	PPB	1
34)	1,1,2-Trichloroethane	20.89	1555	2289	3437.69	PPB	5
35)	*CHLOROBENZENE-D5	22.52	1747	43085	50.00	PPB	9
36)	Tetrachloroethene	20.99	1626	506	671.74	PPB	7
38)	2-Hexanone	21.03	1629	11599	26200.56	PPB	3
40)	Chlorobenzene	22.57	1751	886	518.13	PPB	8
41)	Ethyl benzene	22.75	1765	6812	8248.46	PPB	9
42)	p,m-Xylene	22.95	1781	37355M	35561.71	PPB	9
43)	o-Xylene	23.66	1839	14205	13255.69	PPB	9
46)	BROMOFLUOROBENZENE	24.62	1913	42657	25145.74	PPB	7
47)	1,1,2,2-Tetrachloroethane	24.95	1939	700	597.04	PPB	7
50)	1,2-Dichlorobenzene	27.14	2112	281	214.87	PPB	9

* Compound is ISTD

TOTAL ION CHROMATOGRAM

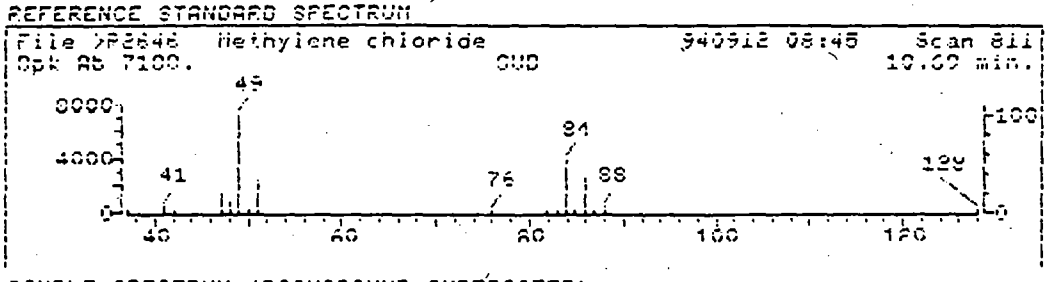


Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5

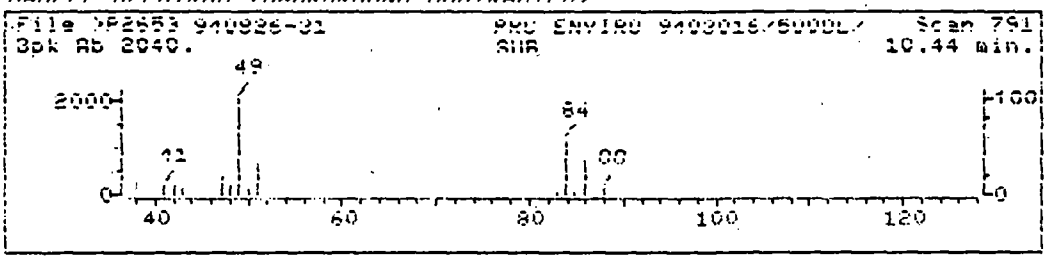
Id File: IDC0W1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 14:38
Injected at: 940912 14:08

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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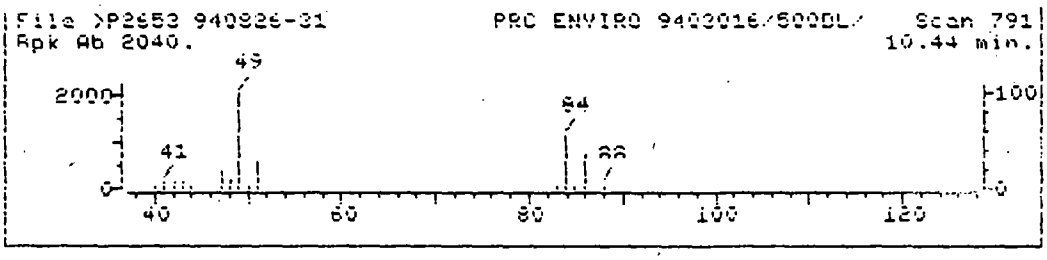

Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A5
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 791
Retention Time: 10.44 min.
Quant Ion: 84.0
Area: 8484
Concentration: 7888.74 PPB
q-value: 81

0000432

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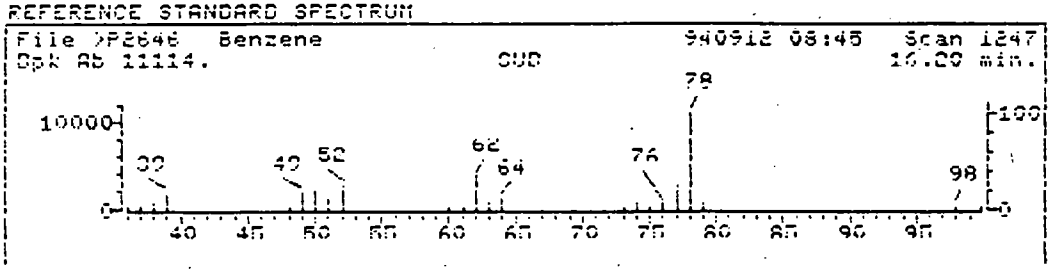
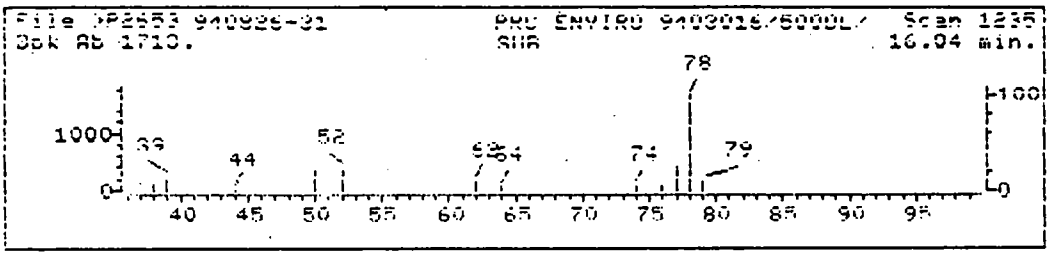
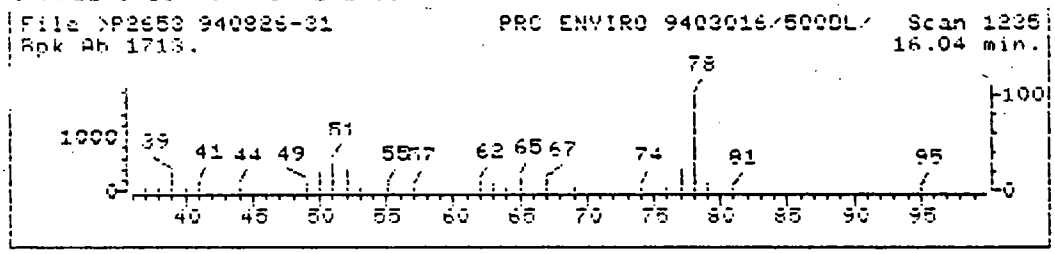
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



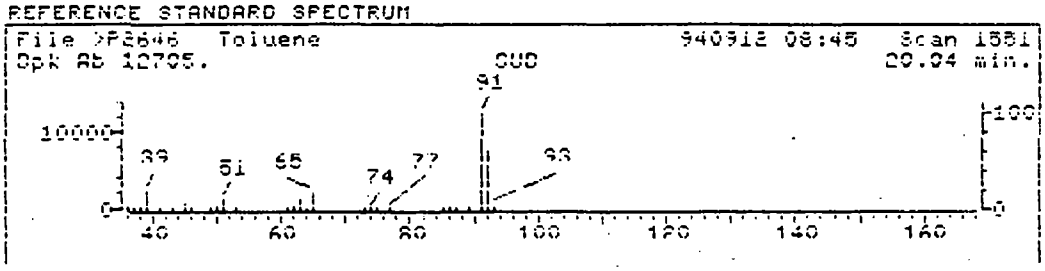
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS
Quant Time: 940912 14:38 Quant ID File: JDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 10775
Concentration: 4338.59 PPB
q-value: 100

C000433

CRENCO
File >P2
Bpk Ab

REFERENCE STANDARD SPECTRUM



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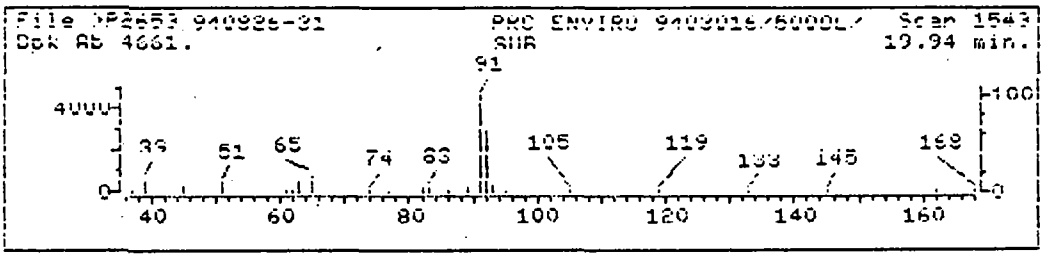

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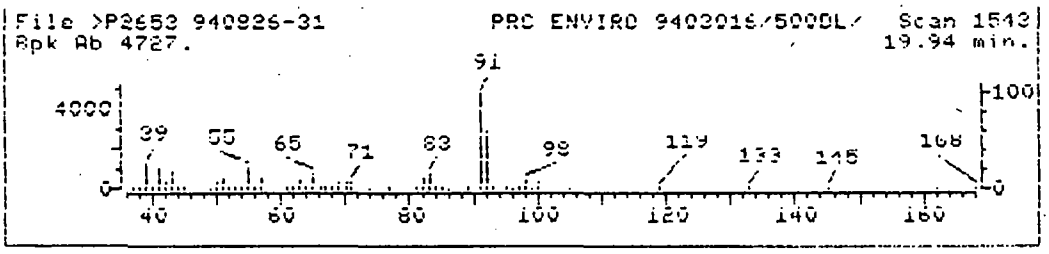
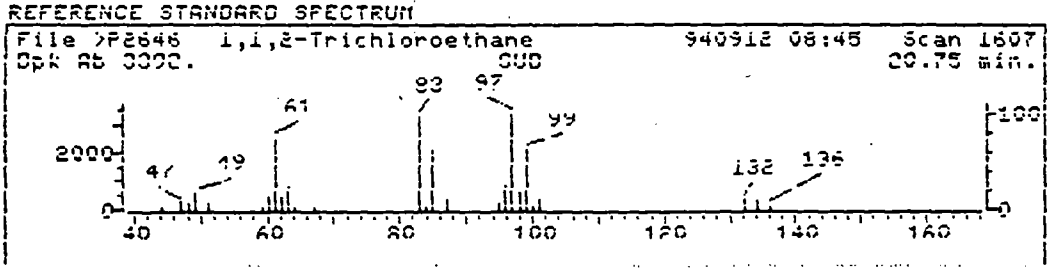


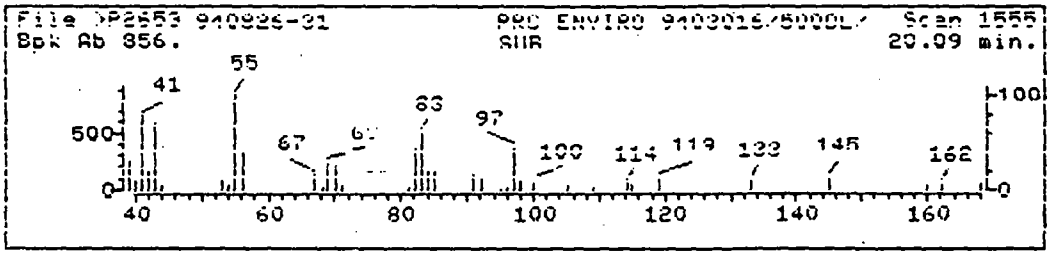
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/5000L/JS
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1543
Retention Time: 19.94 min.
Quant Ion: 91.0
Area: 26834
Concentration: 10317.59 PPB
q-value: 92

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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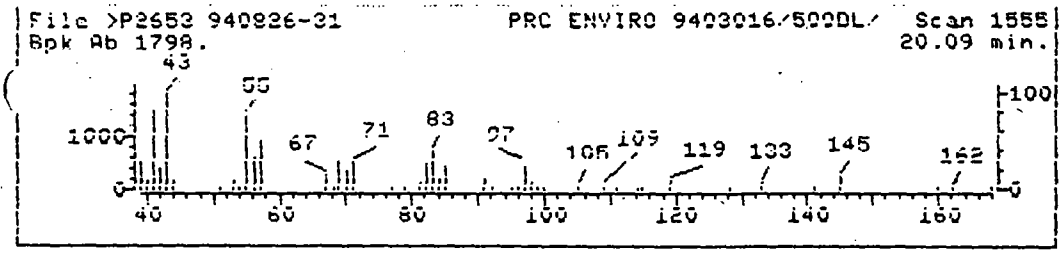
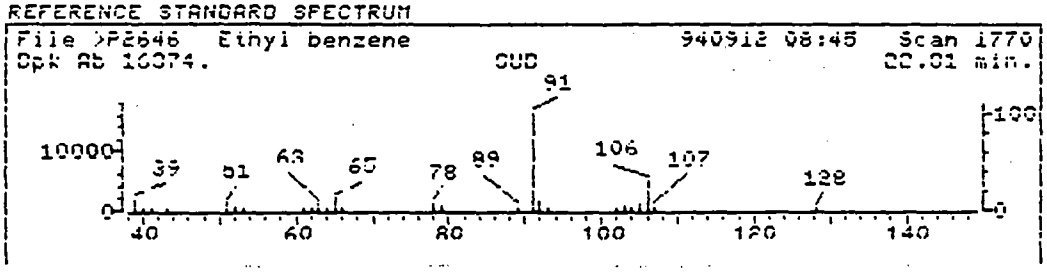


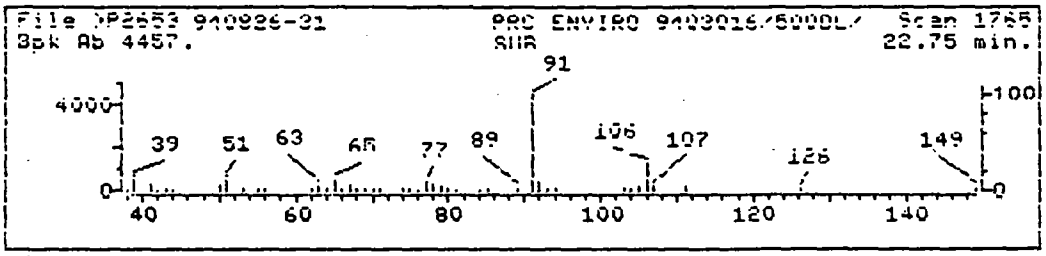
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 34
Compound Name: 1,1,2-Trichloroethane
Scan Number: 1555
Retention Time: 20.09 min.
Quant Ion: 97.0
Area: 2299
Concentration: 3437.69 PPB
q-value: 58

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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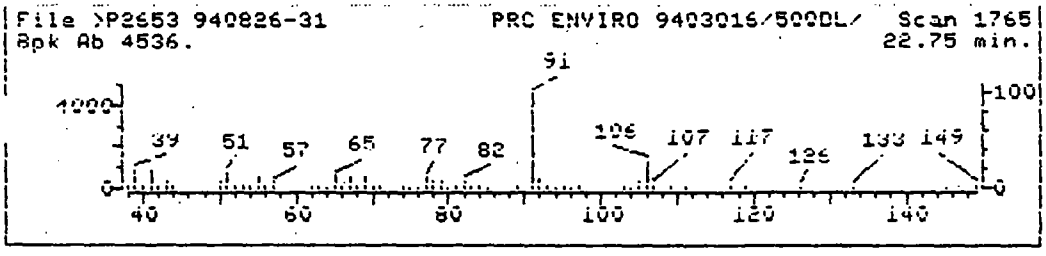
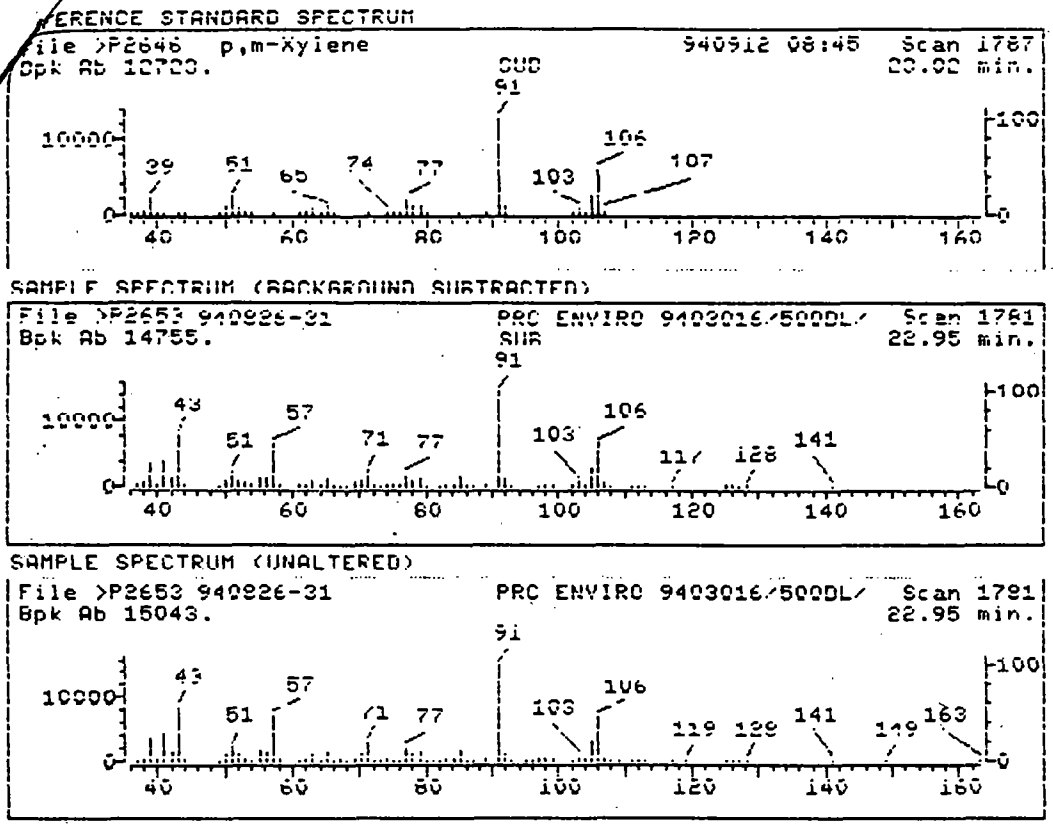


Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCCW1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

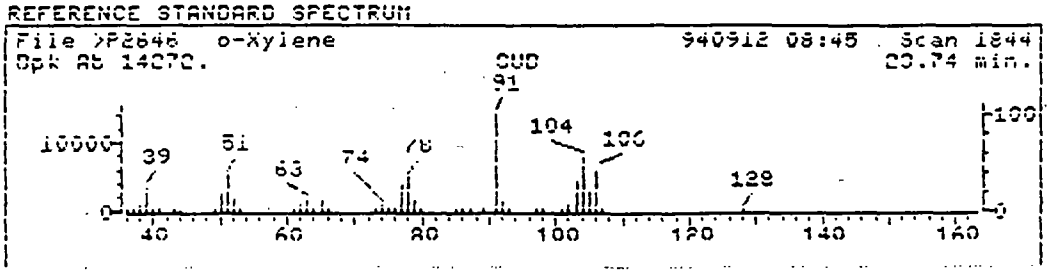
Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1765
Retention Time: 22.75 min.
Quant Ion: 106.0
Area: 6812
Concentration: 8248.46 PPB
q-value: 96



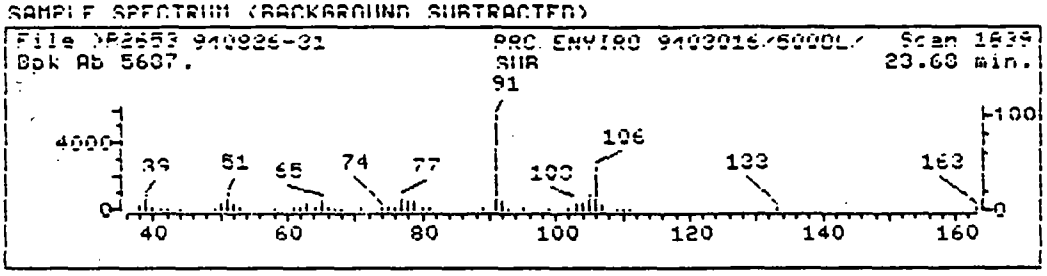
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS
Quant Time: 940912 14:38 Quant ID File: IDCCW1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1781
Retention Time: 22.95 min.
Quant Ion: 106.0
Area: 37355M
Concentration: 35561.21 PPB
q-value: 99

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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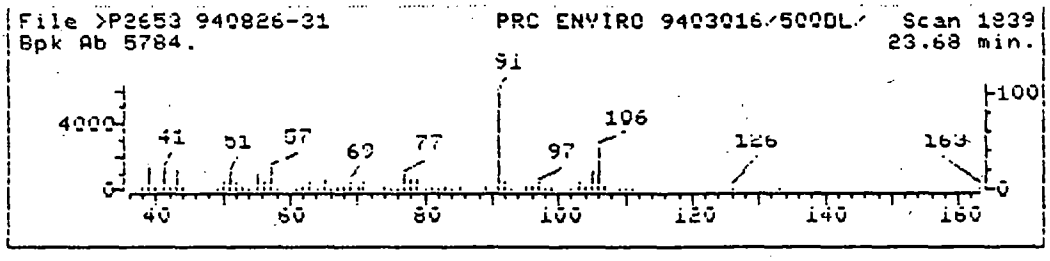

Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCCM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1839
Retention Time: 23.68 min.
Quant Ion: 106.0
Area: 14205
Concentration: 13255.69 PPB
q-value: 92

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Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:09
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.14	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000439

QUANT REPORT

Operator ID: JULES
Output File: ^G6409::SC
Data File: >G6409::A4
Name: 940826-031
Misc: PRC 10DL

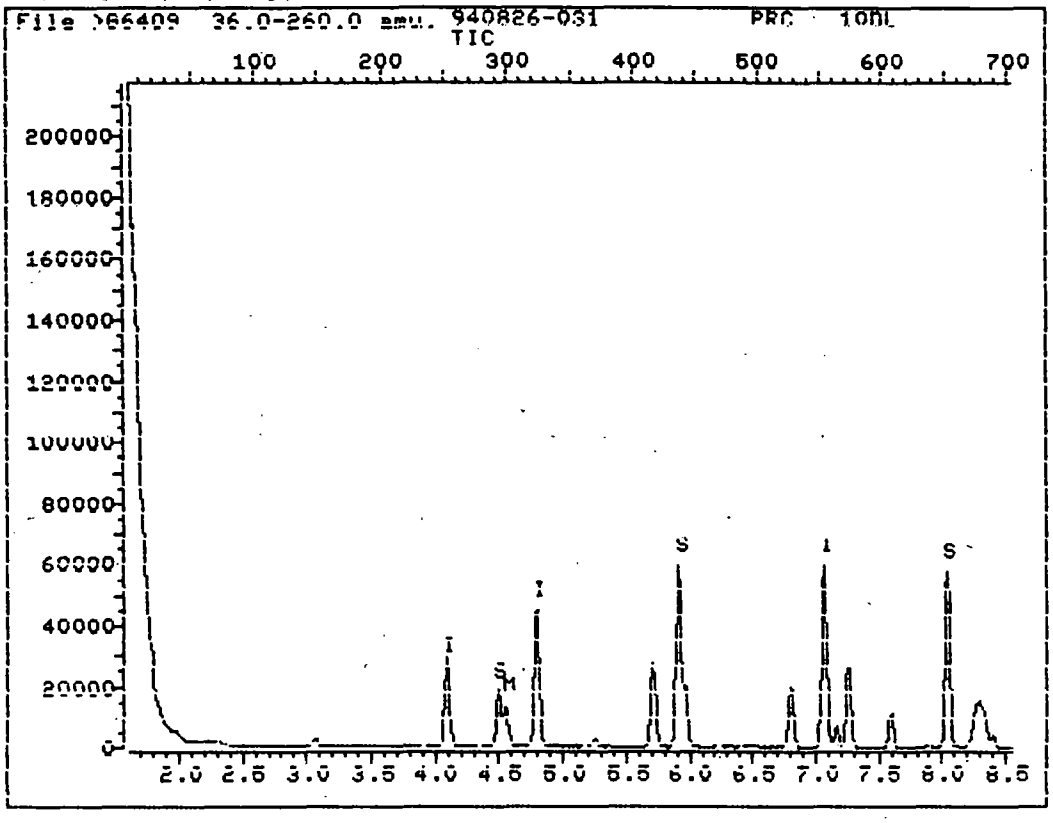
Quant Rev: 6 Quant Time: 940830 11:50
Injected at: 940828 03:09
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9525	50.00	ug/L	70
20)	*1,4-DIFLUOROBENZENE	4.79	323	50379	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	17687	524.44	ug/L	87
24)	Benzene	4.55	298	11697	144.44	ug/L	100
31)	TOLUENE-D8	5.91	436	53463	548.30	ug/L	90
35)	*CHLOROBENZENE-D5	7.06	553	46070	50.00	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.04	652	31054	505.23	ug/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM

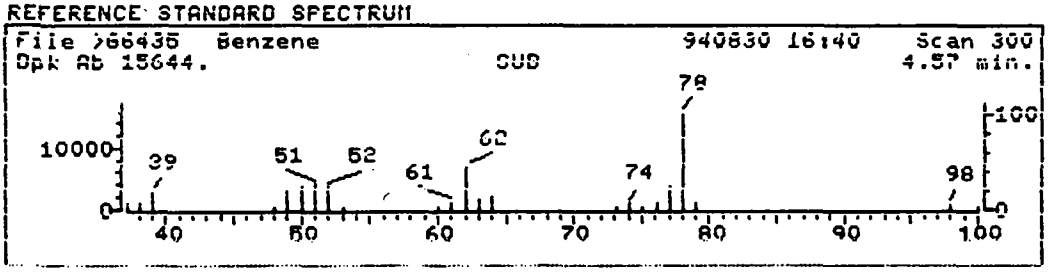


Data File: >G6409::A4 Quant Output File: ^G6409::SC
Name: 940826-031
Misc: PRC 10DL

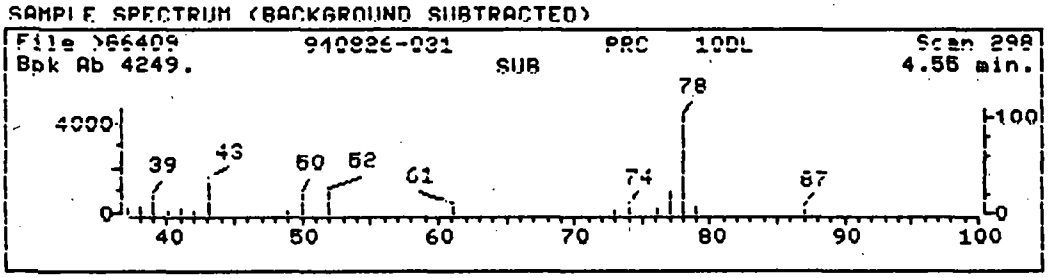
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:50
Injected at: 940828 03:09

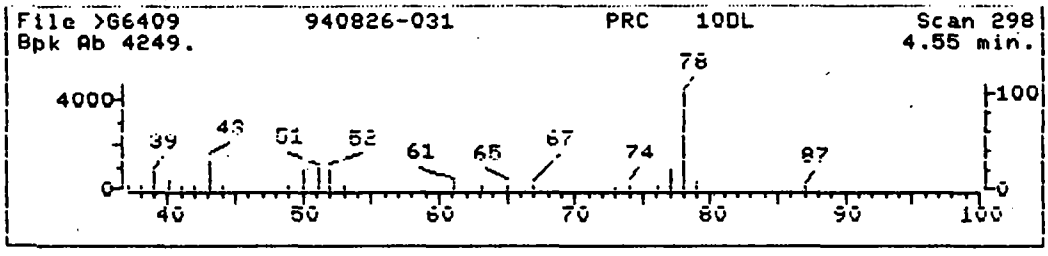
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6409::A4
Name: 940826-031
Misc: PRC 10DL
Quant Time: 940830 11:50
Injected at: 940828 03:09

Quant Output File: ^G6409::SC

Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 11697
Concentration: 144.44 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 17:27 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.8	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		36.1	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		18.8	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		97.4	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		350	1250	6.25

0000443

QUANT REPORT

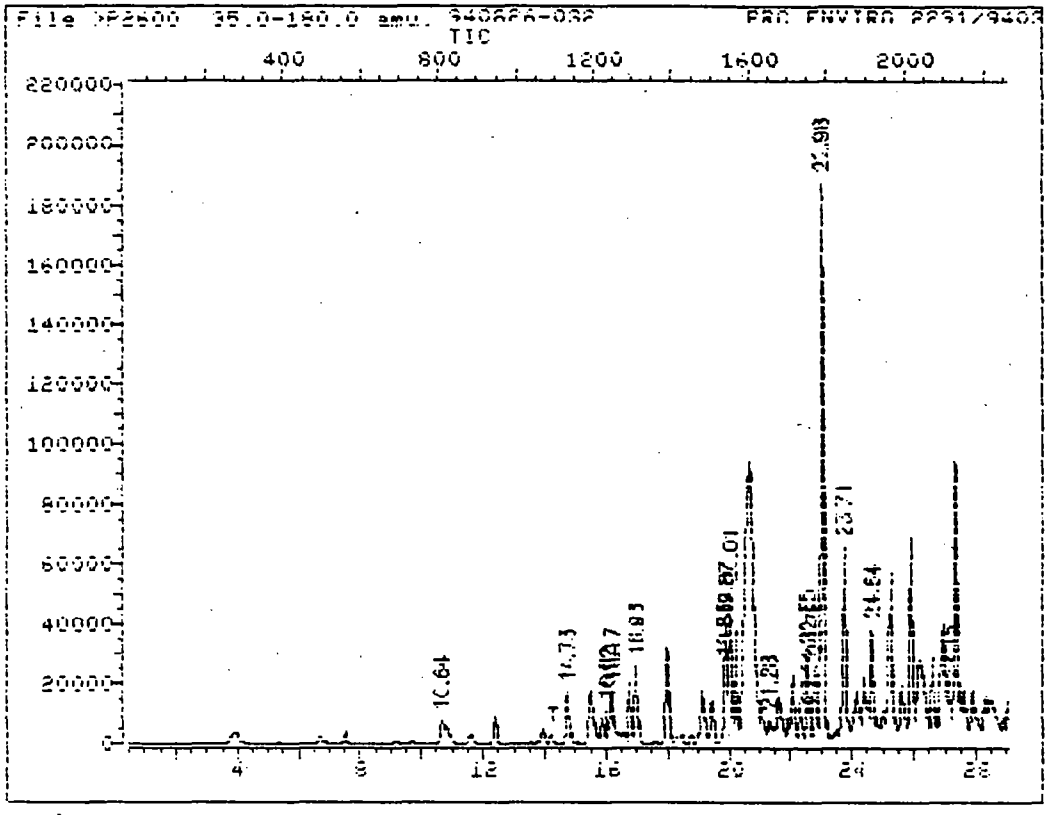
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 17:57
Output File: ^F2600::D1 Injected at: 940910 17:27
Data File: >F2600::A5 Dilution Factor: 1250.000
Name: 940826-032
Misc: FRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12526	50.00	PPB	82
11)	Methylene chloride	10.64	887	118408	18805.80	PPB	78
16)	cis-1,2-Dichloroethylene	14.18	1086	7169	4566.36	PPB	84
20)	*1,4-DIFLUOROBENZENE	16.56	1308	57051	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.02	1233	22183	62325.79	PPB	81
24)	Benzene	16.17	1245	41301	41795.42	PPB	100
30)	4-Methyl-2-pentanone	19.83	1535	2751	7348.78	PPB	61
31)	TOLUENE-D8	19.87	1538	52730	63627.90	PPB	95
32)	Toluene	20.01	1549	101939	97374.28	PPB	99
35)	*CHLOROBENZENE-D5	22.55	1750	44166	50.00	PPB	94
36)	Tetrachloroethene	21.03	1630	1186	3233.47	PPB	98
38)	2-Hexanone	21.78	1650	5000	26850.02	PPB	45
40)	Chlorobenzene	22.61	1755	873	1161.92	PPB	91
41)	Ethyl benzene	22.78	1768	12504	36097.32	PPB	96
42)	p,m-Xylene	22.98	1784	118295M	253345.6	PPB	99
43)	o-Xylene	23.71	1842	41648	80438.27	PPB	95
46)	BROMOFLUOROBENZENE	24.64	1915	47075	72588.89	PPB	67
50)	1,2-Dichlorobenzene	27.15	2113	408	713.08	PPB	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM

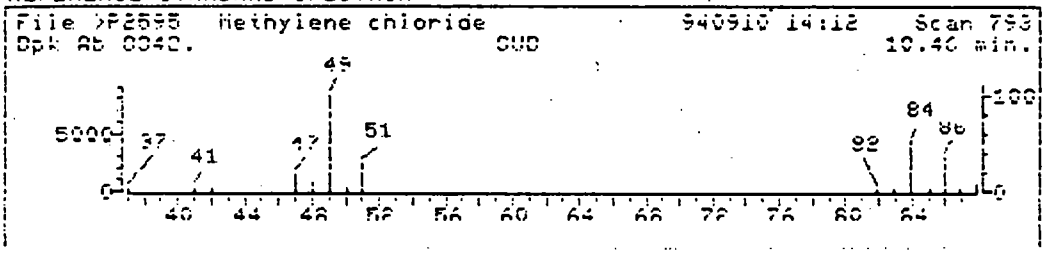


Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

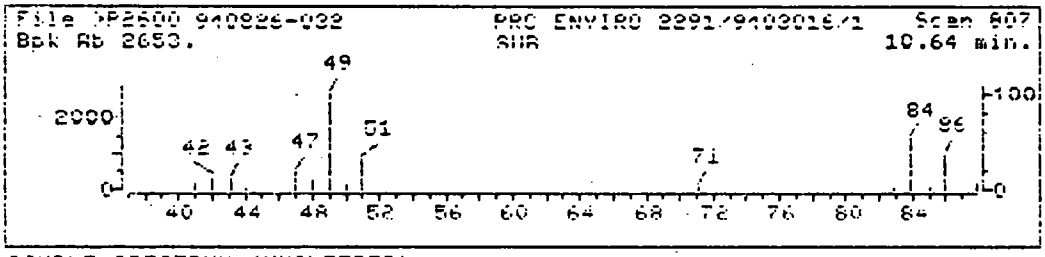
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

Operator ID: BUBBA
Quant Time: 940910 17:57
Injected at: 940910 17:27

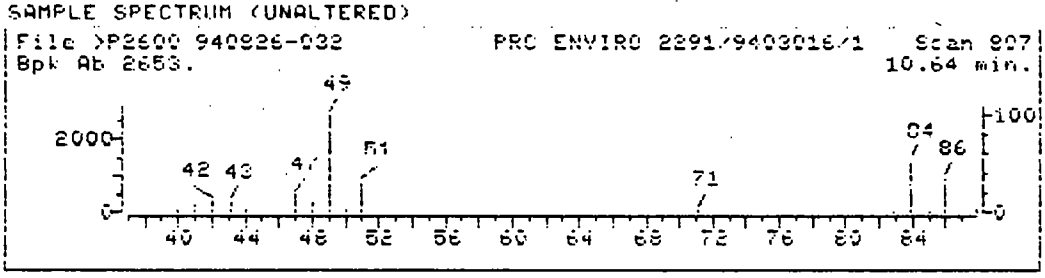
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



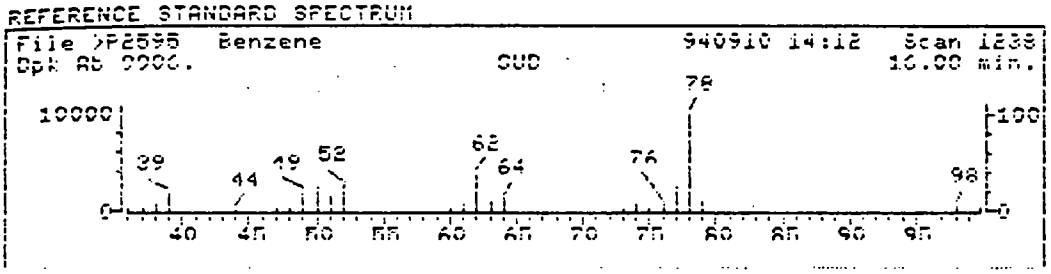
SAMPLE SPECTRUM (UNALTERED)



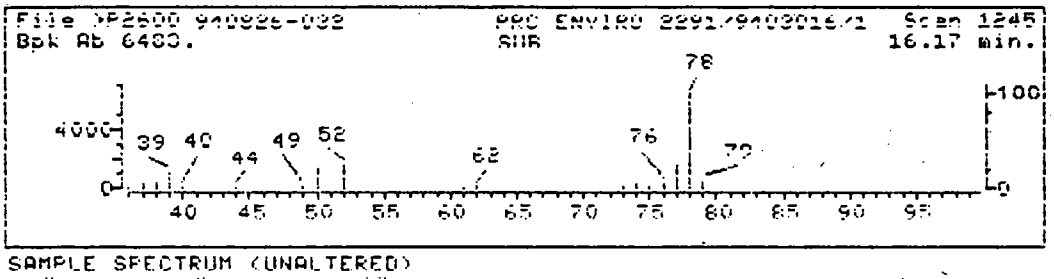
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 17:57 Quant ID File: IDCON1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 807
Retention Time: 10.64 min.
Quant Ion: 84.0
Area: 10408
Concentration: 18805.80 PPB
q-value: 78

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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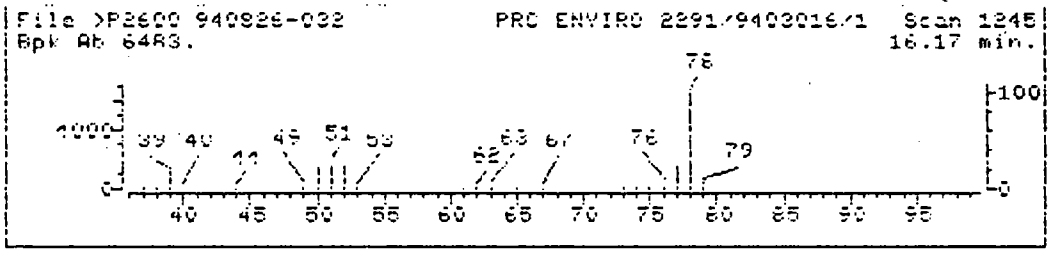
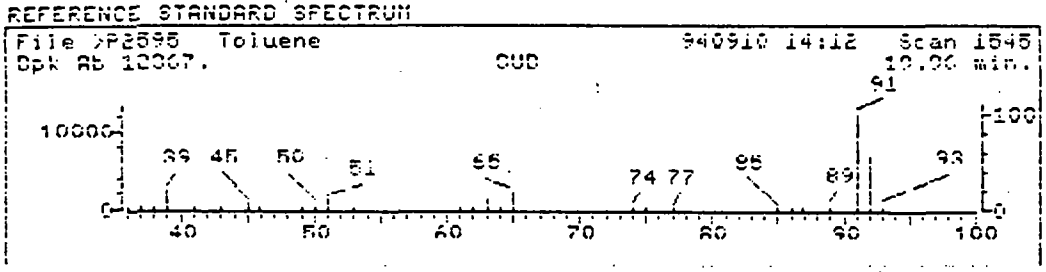


Data File: >F2600::A5 Quant Output File: ^F2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 17:57 Quant ID File: IDCOM1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 41301
Concentration: 41795.42 PPB
q-value: 100

REFERENCE STANDARD SPECTRUM



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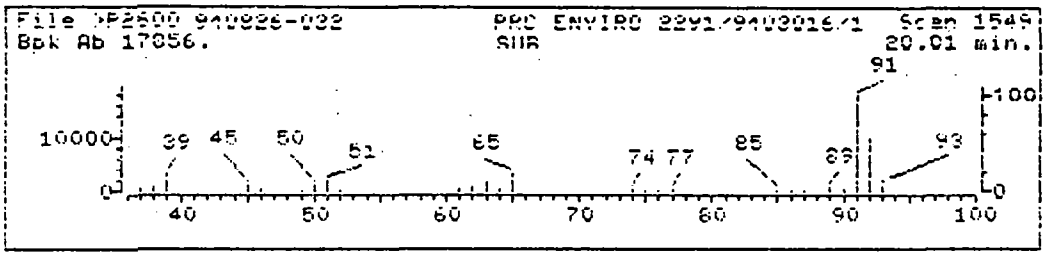

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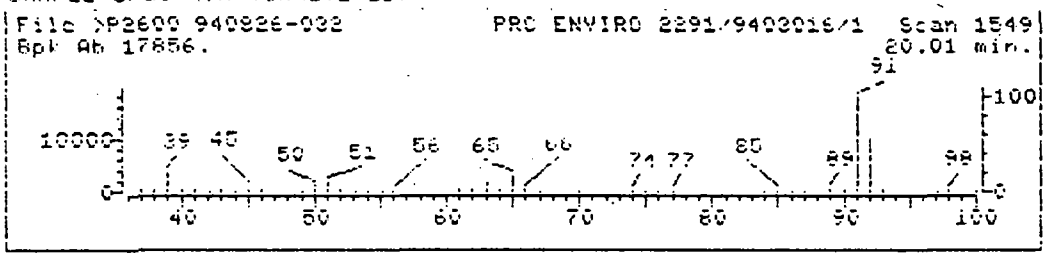
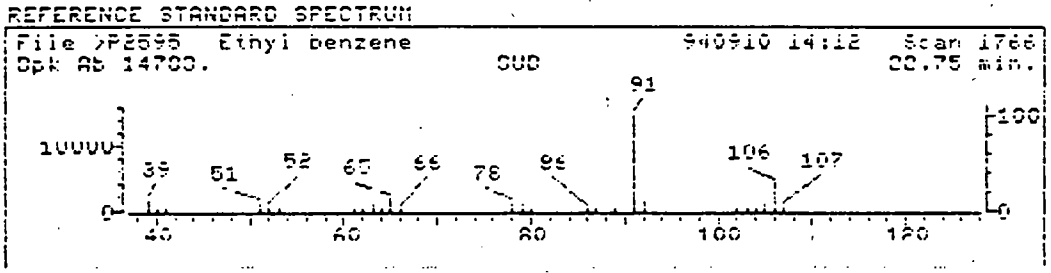


Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 17:57 Quant ID File: IDCOM1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1549
Retention Time: 20.01 min.
Quant Ion: 91.0
Area: 101939
Concentration: 9737.28 PPB
q-value: 99

REFERENCE STANDARD SPECTRUM



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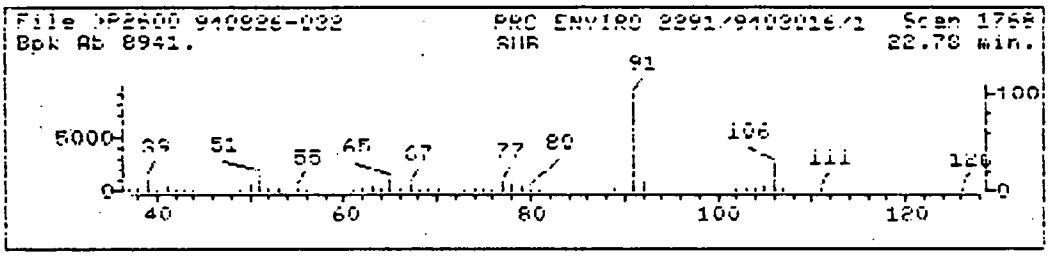
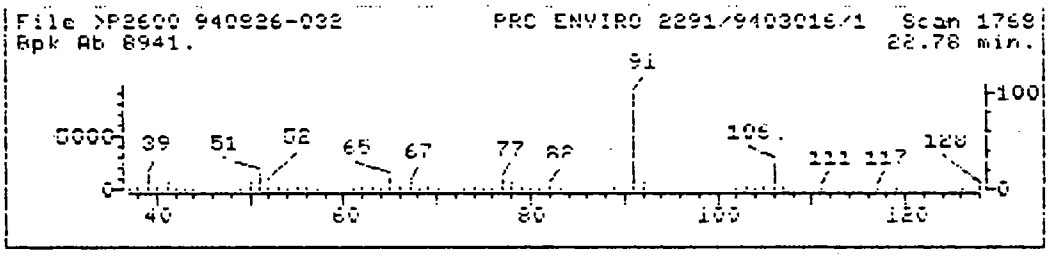


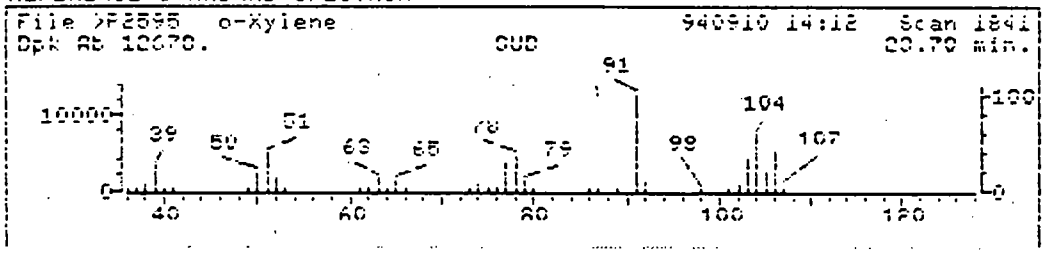
SAMPLE SPECTRUM (UNALTERED)



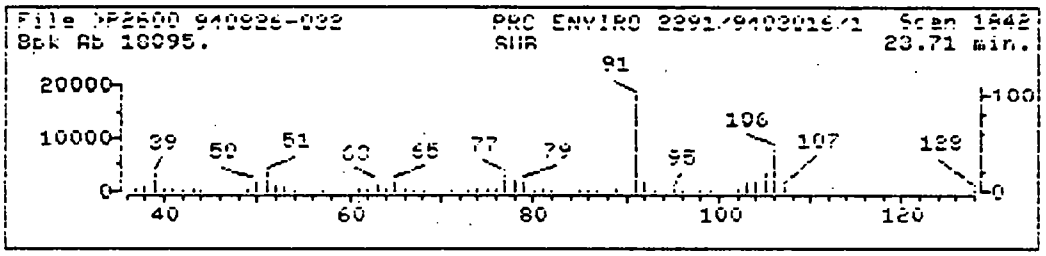
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 12904
Concentration: 3689.32 PPB
q-value: 96

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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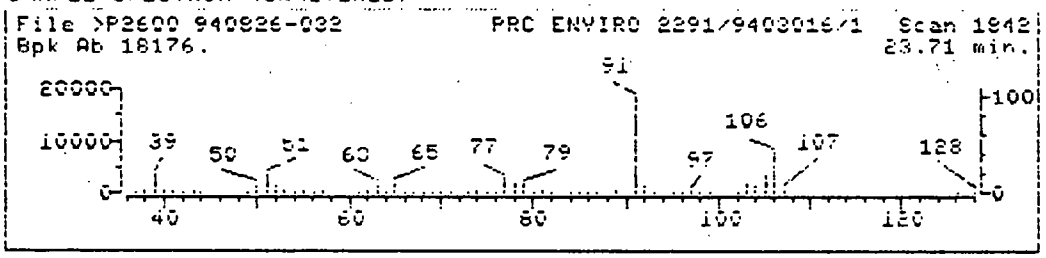
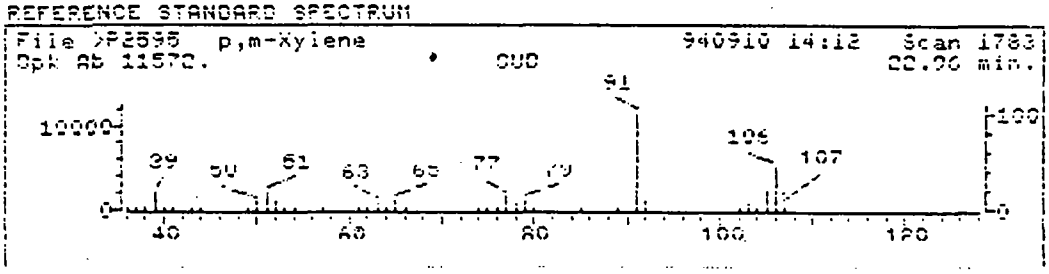


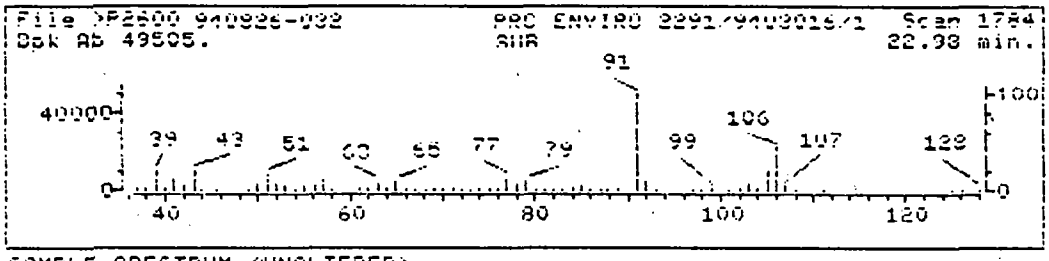
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/35
Quant Time: 940910 17:57 Quant ID File: IDCOM1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.71 min.
Quant Ion: 106.0
Area: 41648
Concentration: 90438.27 PPB
q-value: 95

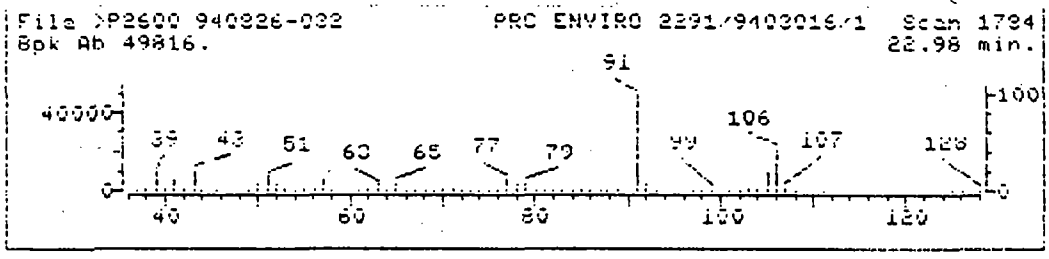
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 17:57 Quant ID File: IDCOM1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 118295M
Concentration: 259345.6 PPB
q-value: 99

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:17
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*1.07	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	0.13	100.0	0.05	10	8240
Chloroform	0.06	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	*0.28	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000452

QUANT REPORT

Operator ID: JULES
Output File: ^G6418::SC
Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL

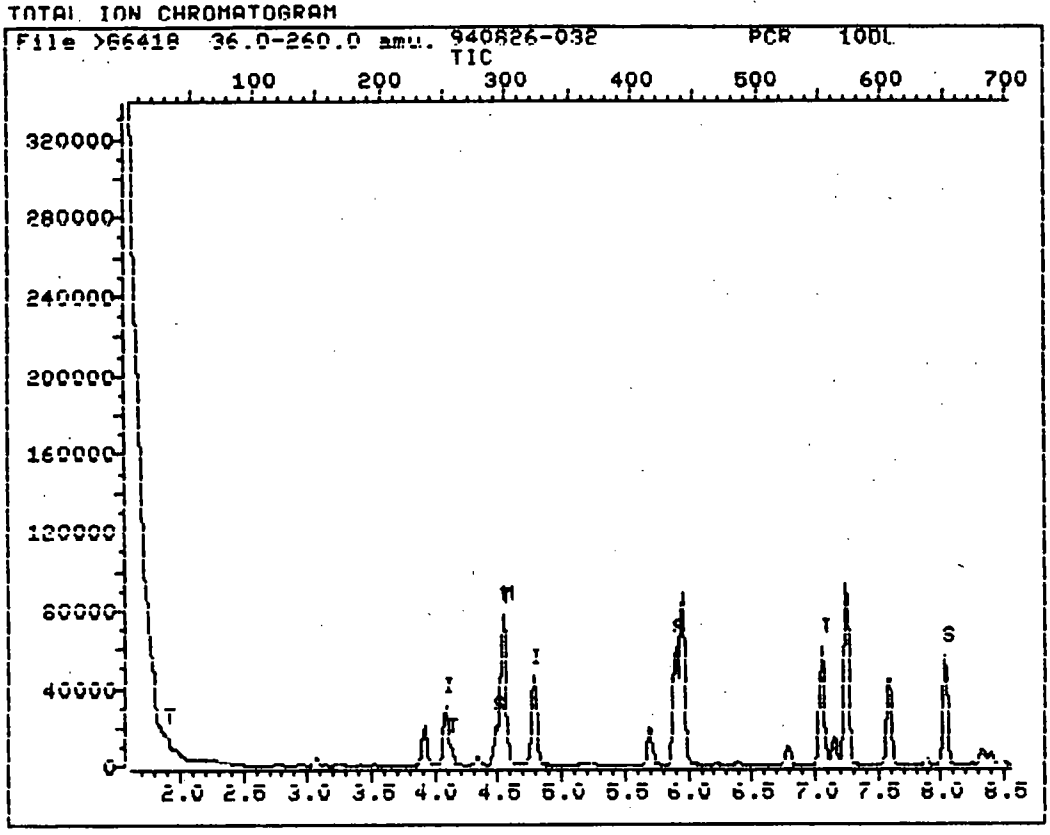
Quant Rev: 6 Quant Time: 940830 13:03
Injected at: 940828 06:17
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9283	50.00	ug/L	78
3)	Vinyl chloride	1.90	30	3736	281.89	ug/L	92
18)	Chloroform	4.12	255	7612	128.36	ug/L	98
20)	*1,4-DIFLUOROBENZENE	4.77	321	51300	50.00	ug/L	95
22)	1,2-DICHLOROETHANE-D4	4.49	292	18478	538.06	ug/L	91
23)	1,2-Dichloroethane	4.54	297	2038	58.73	ug/L	93
24)	Benzene	4.55	298	88382	1071.81	ug/L	100
31)	TOLUENE-D8	5.90	435	55294	556.90	ug/L	91
35)	*CHLOROBENZENE-D5	7.05	552	46733	50.00	ug/L	99
46)	4-BROMOFLUOROBENZENE	8.03	651	30448	488.34	ug/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM

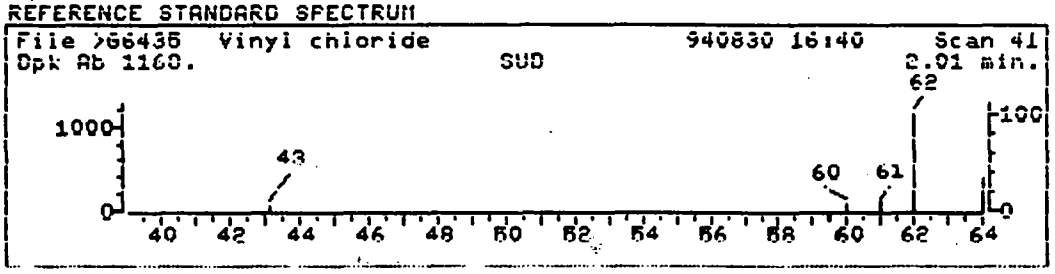


Data File: >G6418::A4 Quant Output File: ^G6418::SC
Name: 940826-032
Misc: PCR 100L

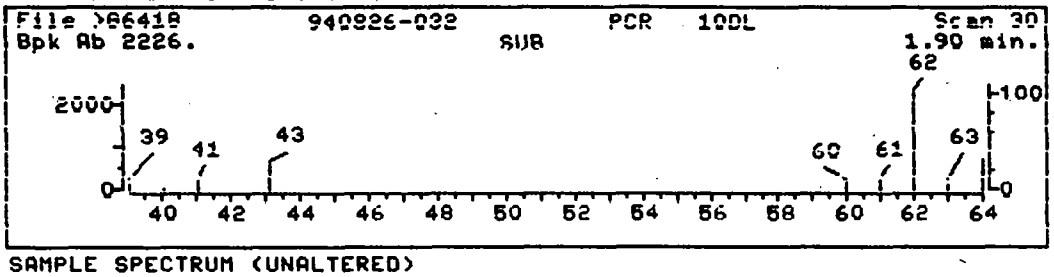
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:03
Injected at: 940828 06:17

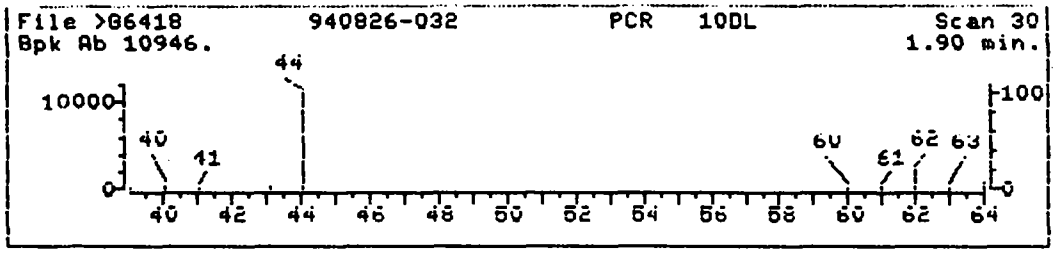
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

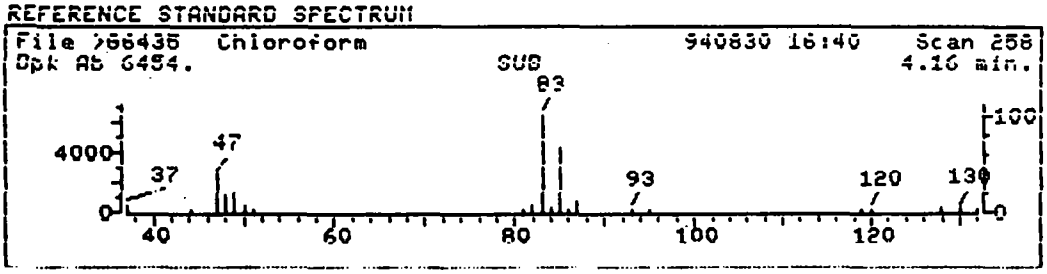


Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

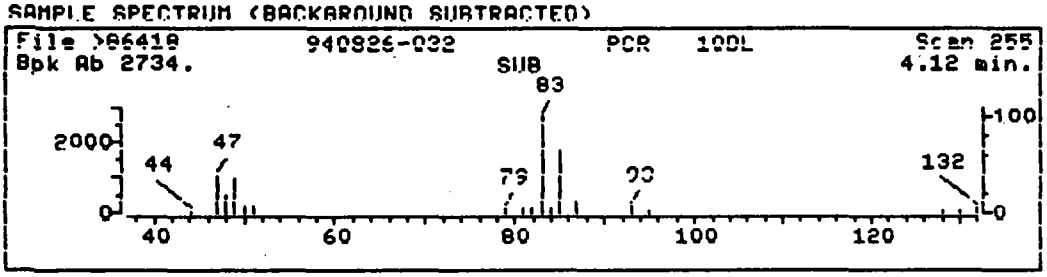
Quant Output File: ^G6418::SC
Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 3736
Concentration: 281.89 ug/L
q-value: 92

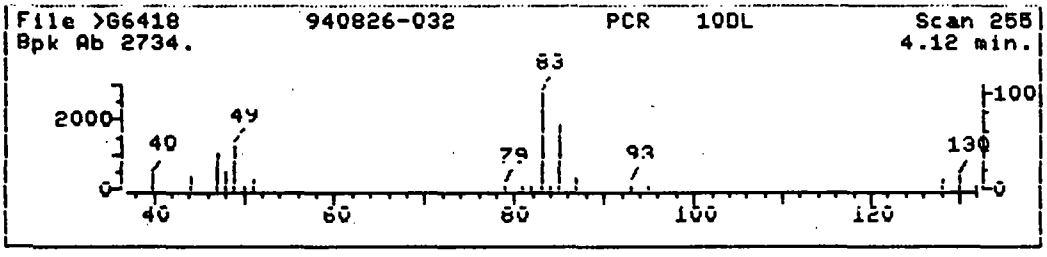
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

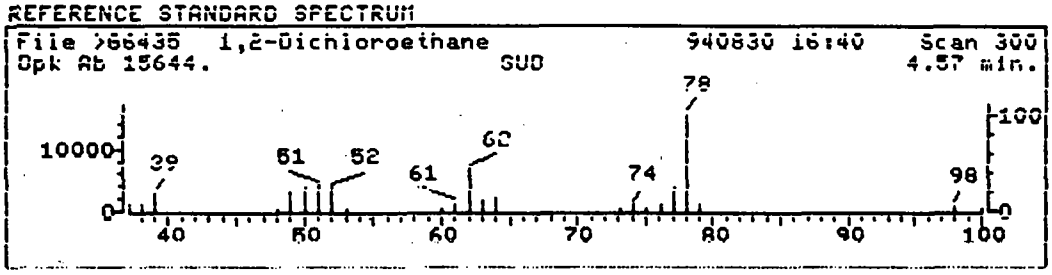


Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

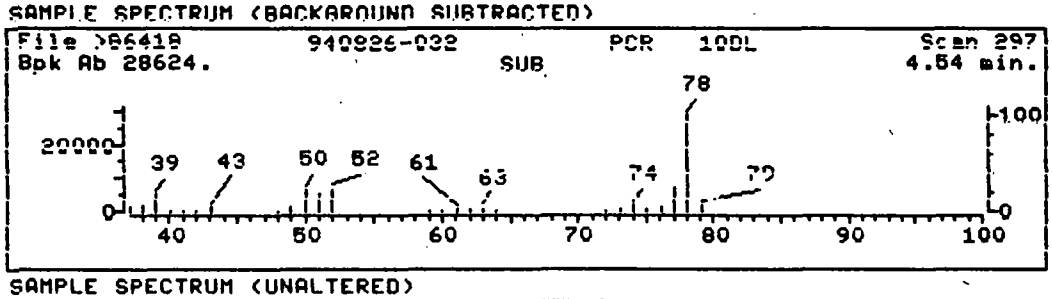
Quant Output File: ^G6418::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 18
Compound Name: Chloroform
Scan Number: 255
Retention Time: 4.12 min.
Quant Ion: 83.0
Area: 7612
Concentration: 128.36 ug/L
q-value: 98

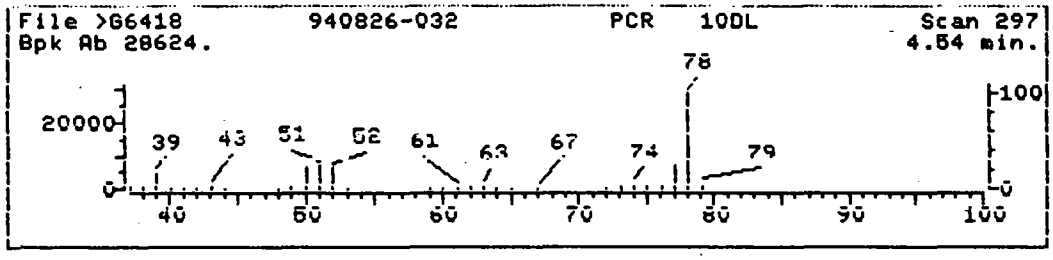
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



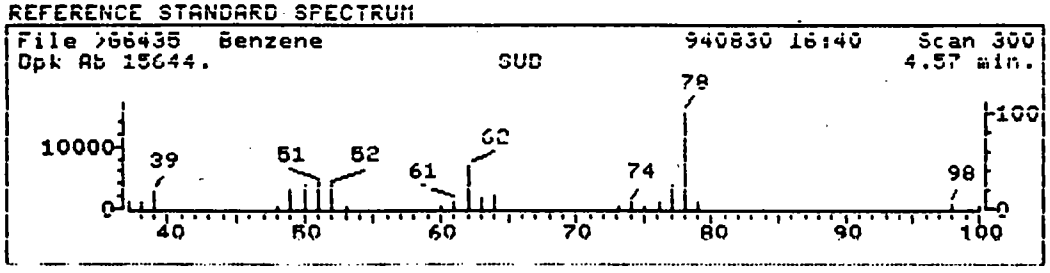
SAMPLE SPECTRUM (UNALTERED)



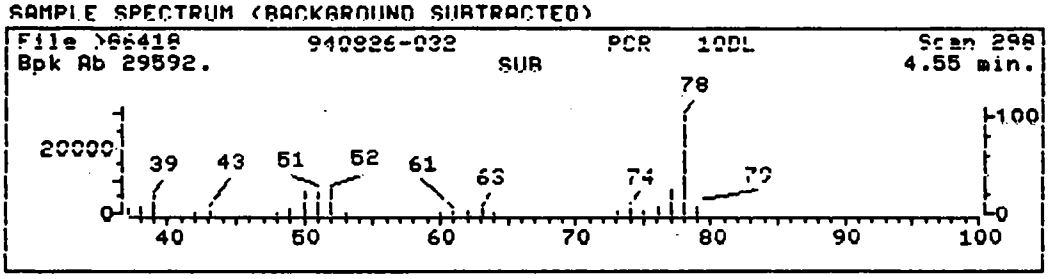
Data File: >G6418::A4 Quant Output File: ^G6418::SC
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03 Quant ID File: IDINW2::A3
Injected at: 940828 06:17 Last Calibration: 940828 01:25

Compound No: 23
Compound Name: 1,2-Dichloroethane
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 62.0
Area: 2038
Concentration: 58.73 ug/L
q-value: 93

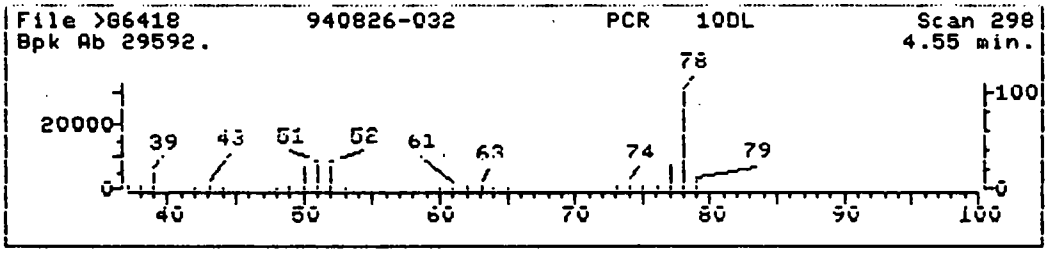
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

Quant Output File: ^G6418::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 88382
Concentration: 1071.81 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 18:03 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.1	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		13.2	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		50.8	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		183	1250	6.25

QUANT REPORT

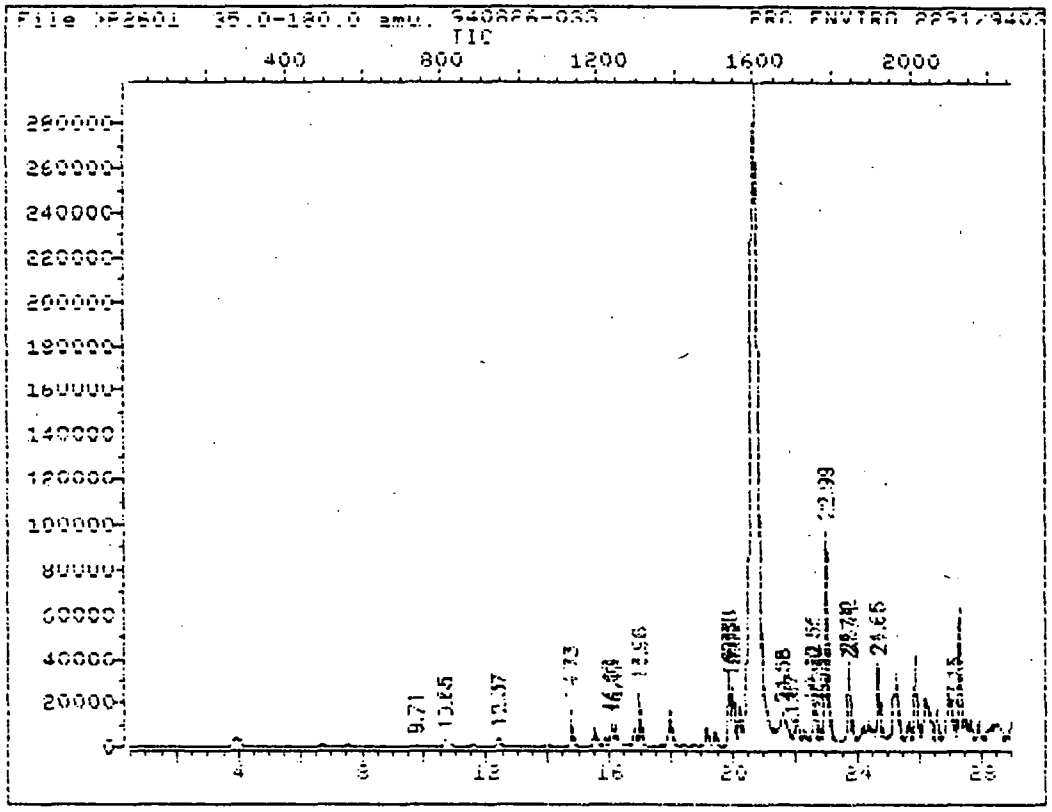
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 18:32
Output File: ^F2601::D1 Injected at: 940910 18:03
Data File: >F2601::A5 Dilution Factor: 1250.000
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12736	50.00	PPB	7
9)	Carbon disulfide	9.71	733	3881	3723.57	PPB	9
11)	Methylene chloride	10.65	808	3261	5795.02	PPB	7
15)	Vinyl acetate	12.37	944	6151	11590.48	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.96	1308	57523	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.03	1234	22014	61343.44	PPB	8
24)	Benzene	16.17	1245	23023	23107.44	PPB	10
30)	4-Methyl-2-pentanone	19.85	1537	2286	7434.19	PPB	9
31)	TOLUENE-D8	19.88	1539	51872	62078.98	PPB	9
32)	Toluene	19.99	1548	53573	50754.16	PPB	9
35)	*CHLOROBENZENE-D5	22.55	1750	44627	50.00	PPB	9
36)	Tetrachloroethene	21.04	1631	331	893.51	PPB	7
37)	Dibromochloromethane	21.87	1696	106	238.09	PPB	7
38)	2-Hexanone	21.58	1673	178	955.28	PPB	6
40)	Chlorobenzene	22.60	1754	870	1146.48	PPB	9
41)	Ethyl benzene	22.78	1768	4752	13161.76	PPB	9
42)	p,m-Xylene	22.99	1785	61387/M133252.6		PPB	9
43)	o-Xylene	23.72	1842	23059	49577.61	PPB	9
44)	Styrene	23.74	1844	7090	9434.53	PPB	5
46)	BROMOFLUOROBENZENE	24.65	1916	45703	65007.64	PPB	6
50)	1,2-Dichlorobenzene	27.15	2113	254	438.47	PPB	9

* Compound is ISTD

TOTAL ION CHROMATOGRAM



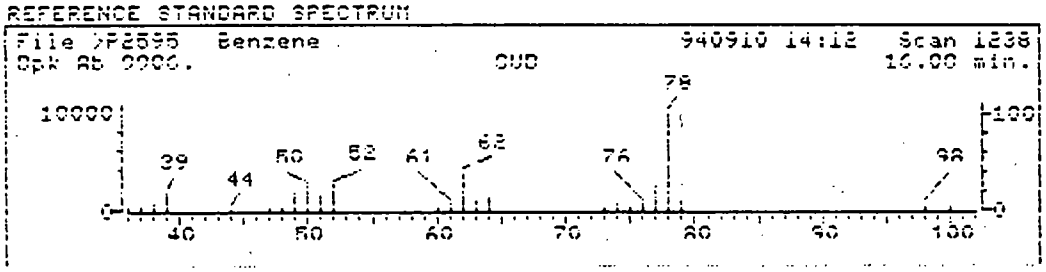
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/35

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

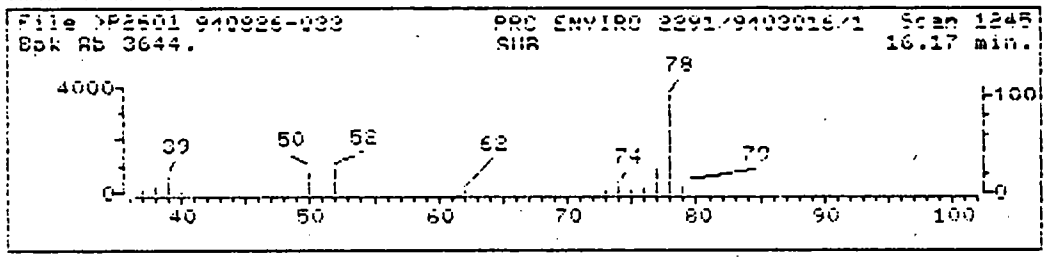
Operator ID: BOBBA
Quant Time: 940910 18:32
Injected at: 940910 18:03

REFERENCE

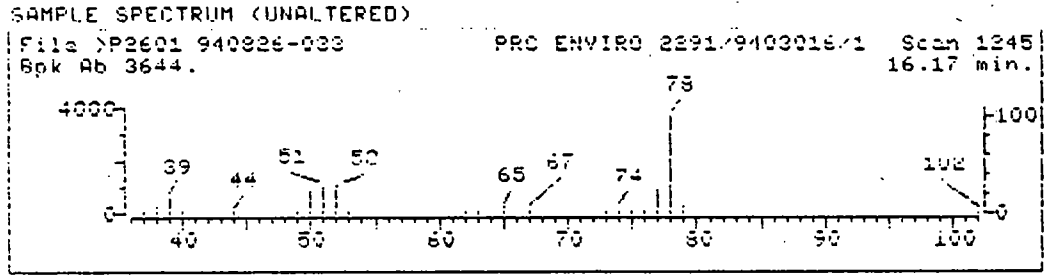
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



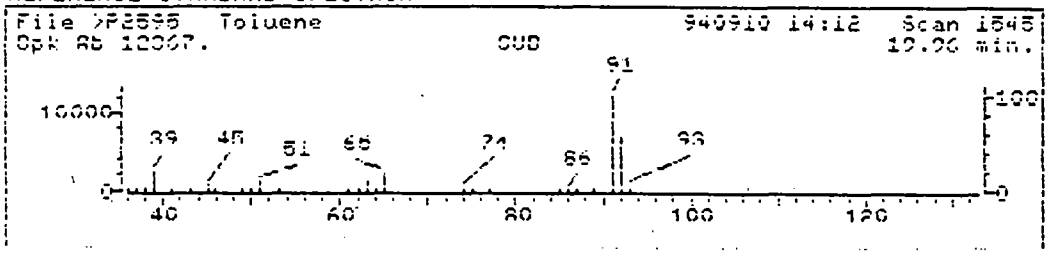
SAMPLE SPECTRUM (UNALTERED)



Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 23023
Concentration: 2310?.44 PPB
q-value: 100

REFERENCE STANDARD SPECTRUM



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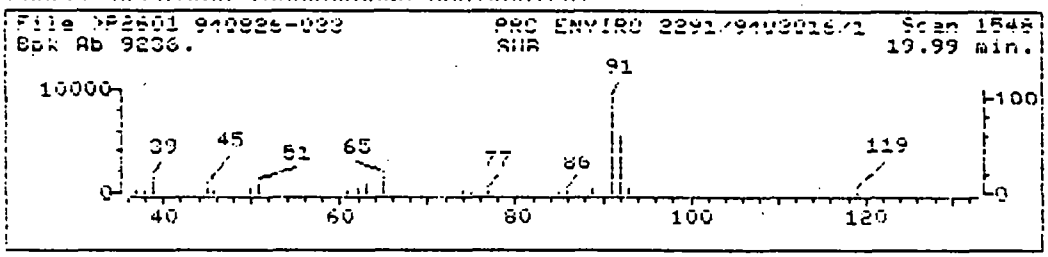
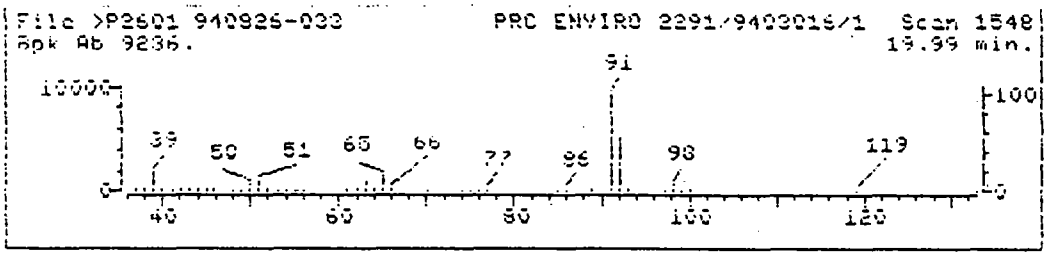


SAMPLE SPECTRUM (UNALTERED)

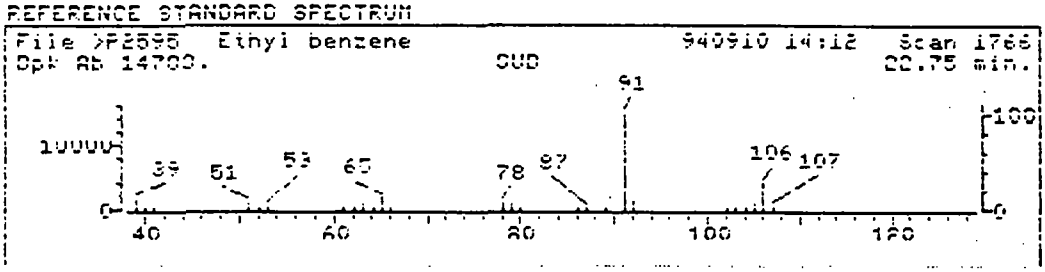


Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCCW1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

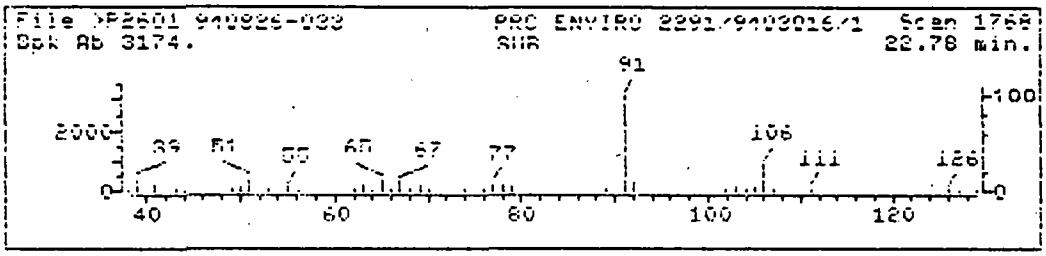
Compound No: 32
Compound Name: Toluene
Scan Number: 1548
Retention Time: 19.99 min.
Quant Ion: 91.0
Area: 5357
Concentration: 50/54.16 PPB
q-value: 95

C000463

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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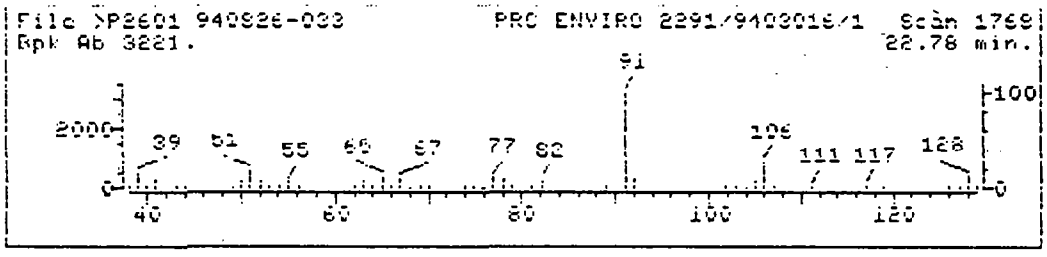
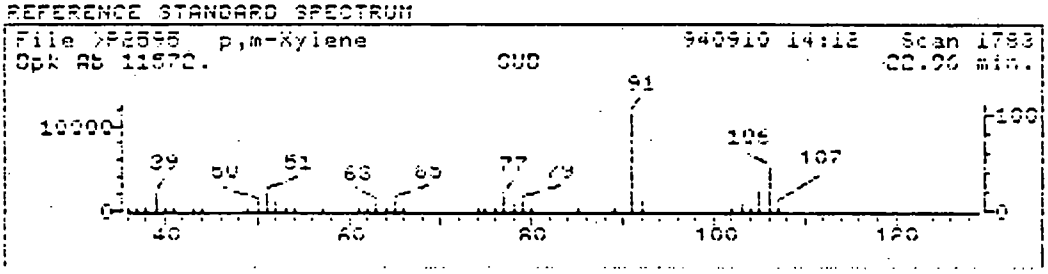


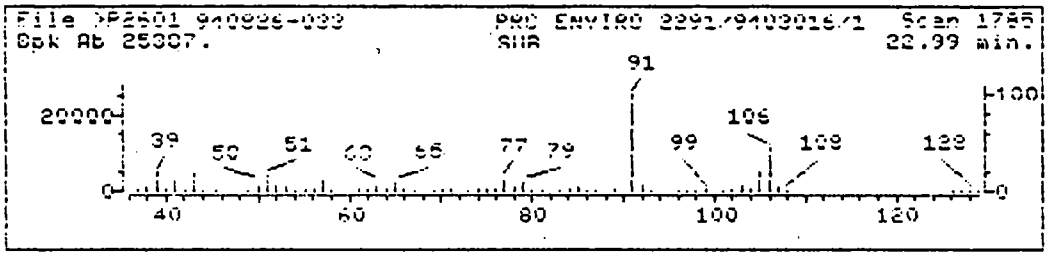
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 4752
Concentration: 13161.76 PPB
q-value: 96

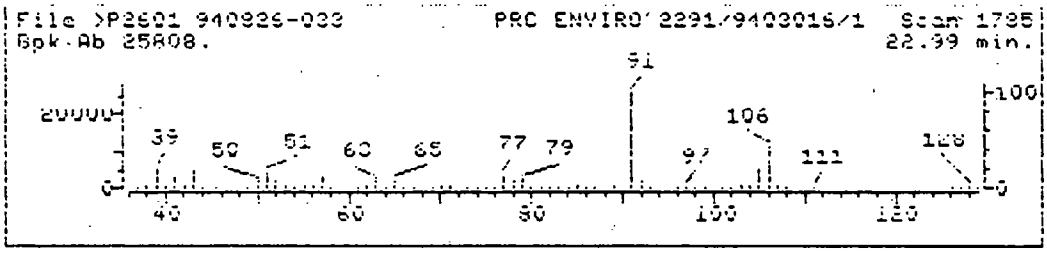
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



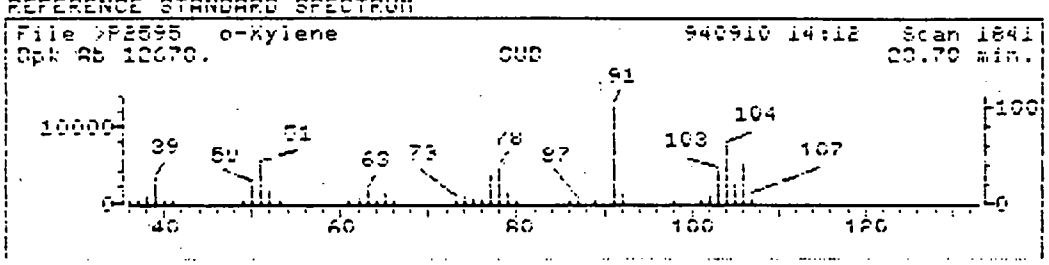
SAMPLE SPECTRUM (UNALTERED)



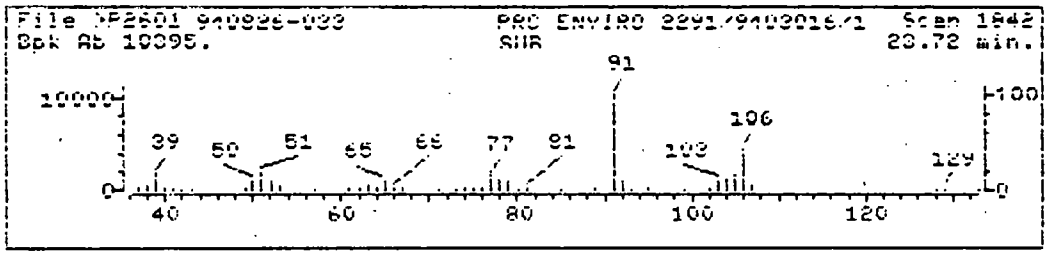
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A5
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1785
Retention Time: 22.99 min.
Quant Ion: 106.0
Area: 61387M
Concentration: 133252.6 PPB
q-value: 99

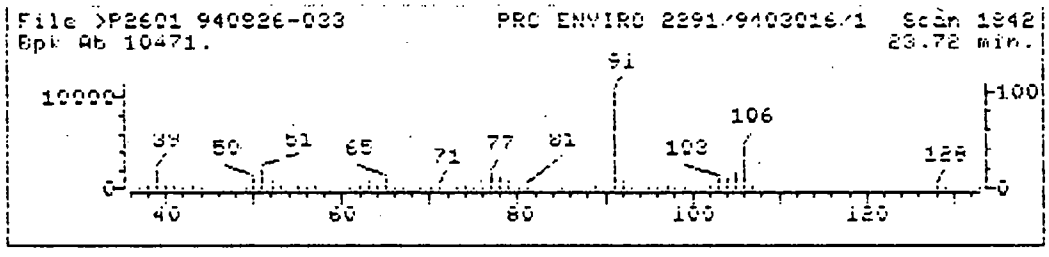
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940926-033
Misc: PRC ENVIRO 2291/9403016/125UDL/US
Quant Time: 940910 18:32 Quant ID File: IDCCW1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 23059
Concentration: 4957.61 PPB
q-value: 96

Inchcape Testing Services
Environmental Laboratories

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:35
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*0.53	0.5	0.05	10	8240
Carbon tetrachloride	0.06	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	0.31	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	*0.32	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000467

QUANT REPORT

Operator ID: JULES
Output File: ^G6419::SC
Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL

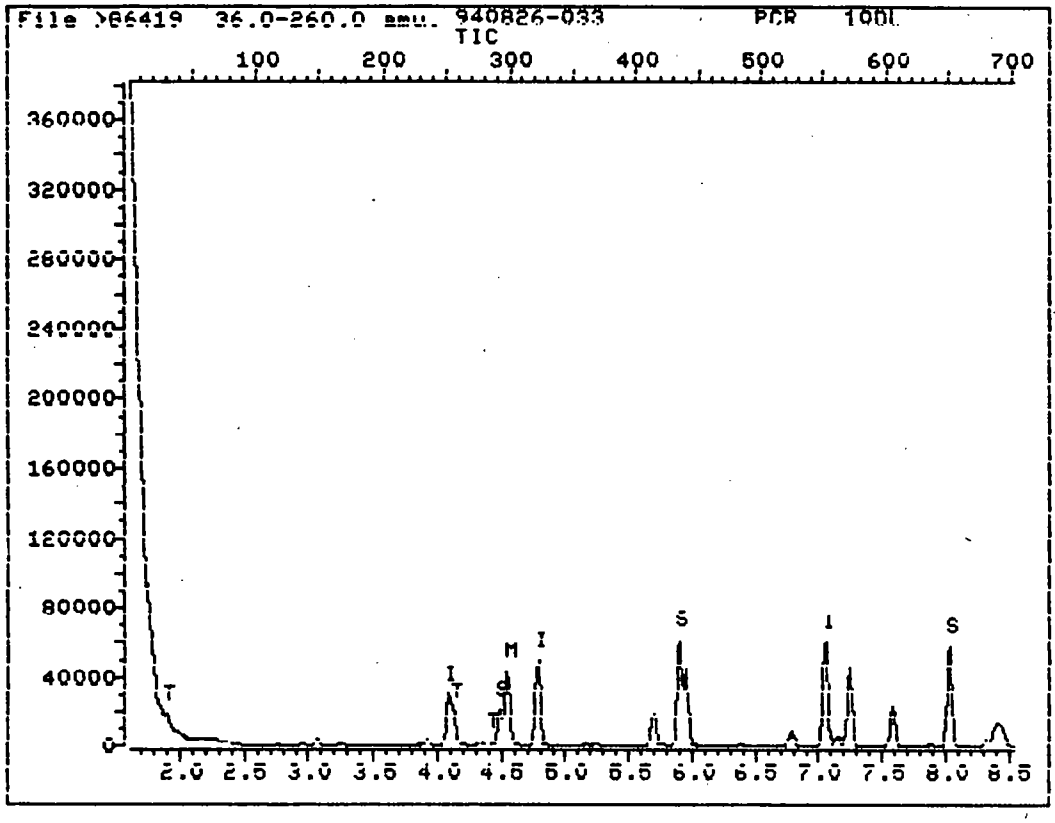
Quant Rev: 6 Quant Time: 940830 13:05
Injected at: 940828 06:38
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9532	50.00	ug/L	83
3)	Vinyl chloride	1.90	30	4372	321.26	ug/L	92
18)	Chloroform	4.13	256	19069	313.16	ug/L	93
20)	*1,4-DIFLUOROBENZENE	4.78	322	53371	50.00	ug/L	94
21)	Carbon tetrachloride	4.41	284	2350	63.61	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	19014	532.19	ug/L	88
24)	Benzene	4.54	298	45448	529.76	ug/L	100
31)	TOLUENE-D8	5.90	435	57333	555.03	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	552	48408	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.03	651	31496	487.67	ug/L	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



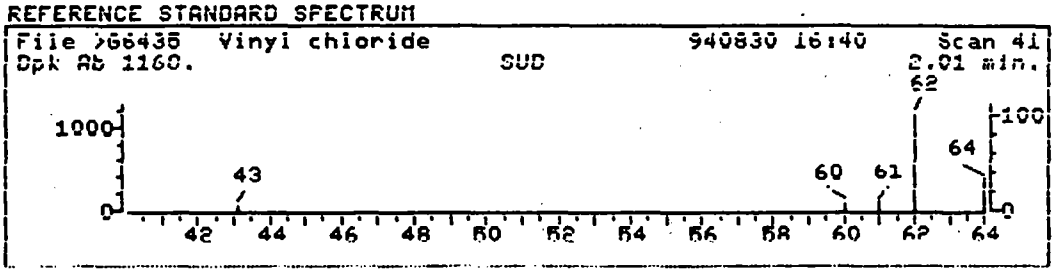
Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL

Quant Output File: ^G6419::SC

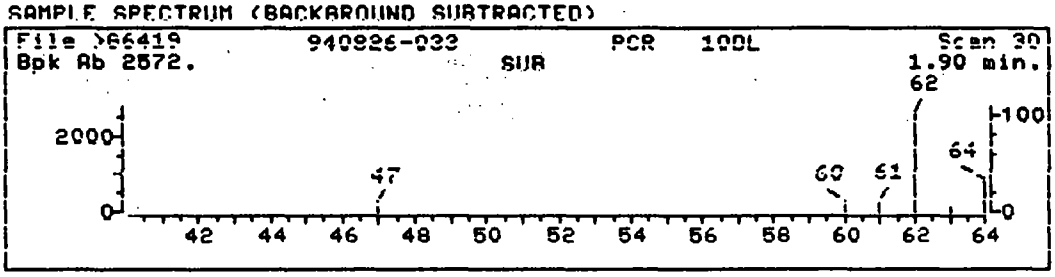
Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:05
Injected at: 940828 06:38

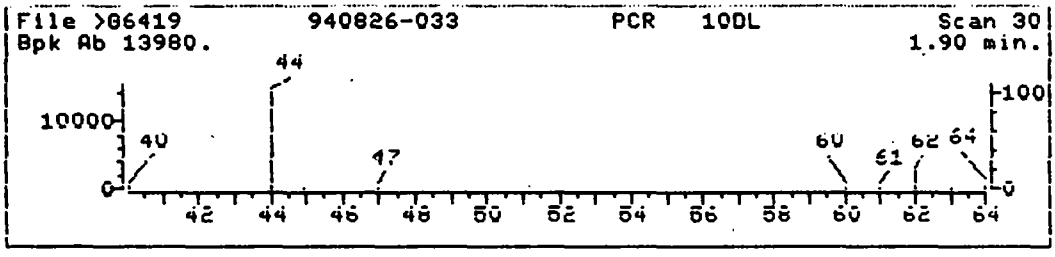
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

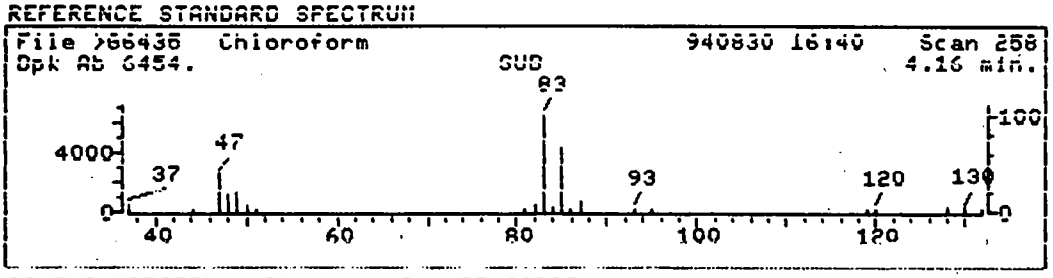


Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Injected at: 940828 06:38

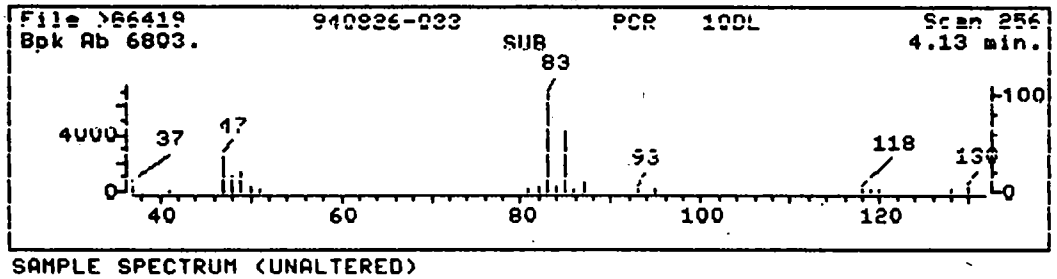
Quant Output File: ^G6419::SC
Quant ID File: 1DINW2::A3
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 4372
Concentration: 321.26 ug/L
q-value: 92

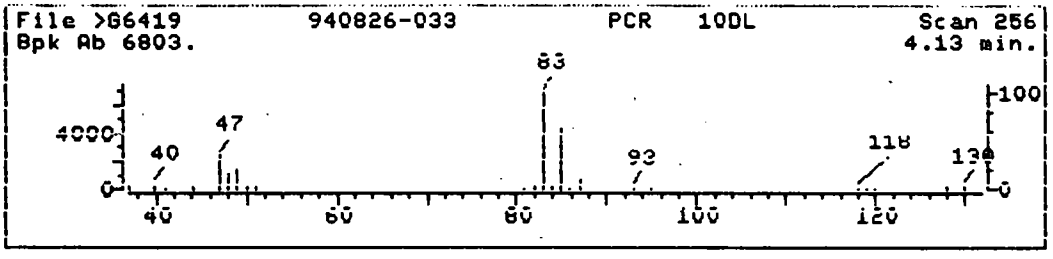
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

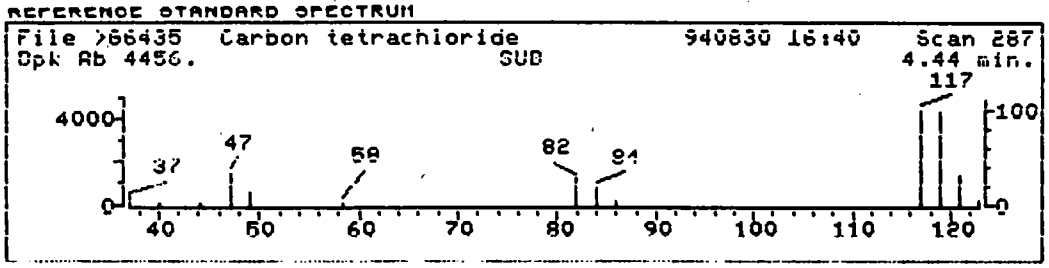


Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Injected at: 940828 06:38

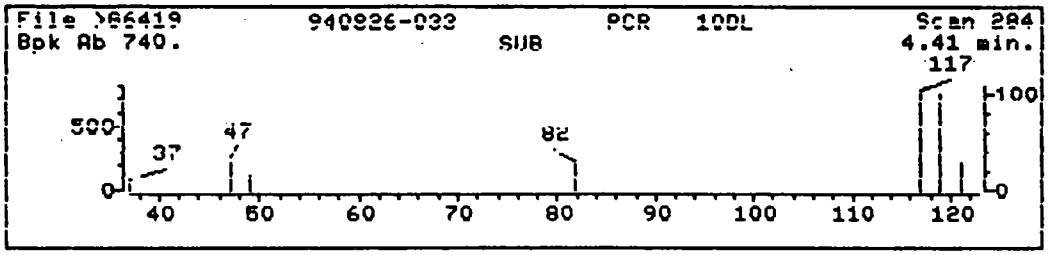
Quant Output File: ^G6419::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 18
Compound Name: Chloroform
Scan Number: 256
Retention Time: 4.13 min.
Quant Ion: 83.0
Area: 19069
Concentration: 313.16 ug/L
q-value: 93

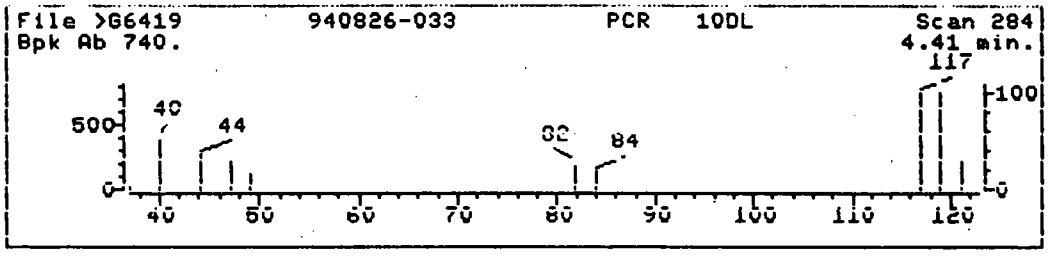
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



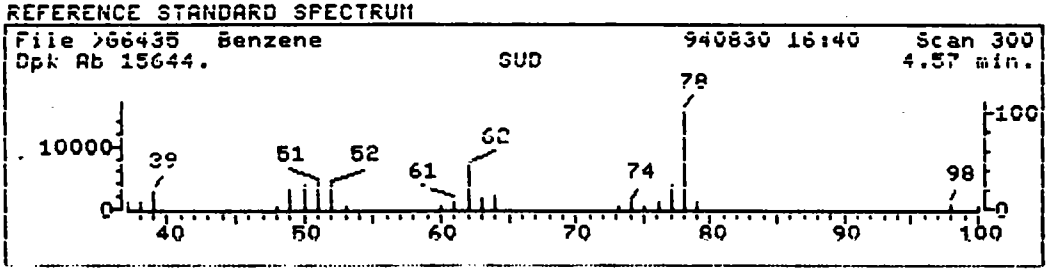
SAMPLE SPECTRUM (UNALTERED)



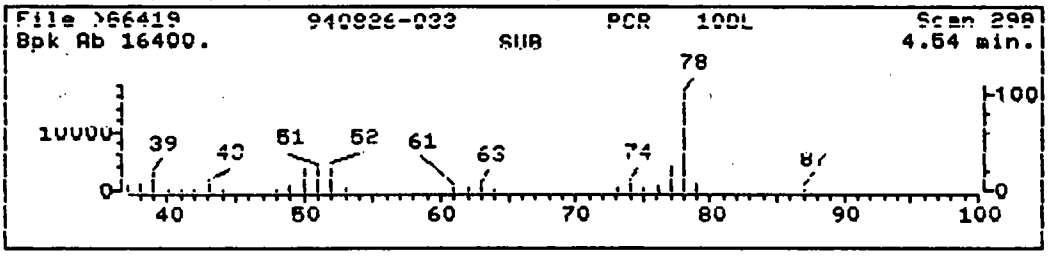
Data File: >G6419::A4 Quant Output File: ^G6419::SC
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05 Quant ID File: ID1NW2::A3
Injected at: 940828 06:38 Last Calibration: 940828 01:25

Compound No: 21
Compound Name: Carbon tetrachloride
Scan Number: 284
Retention Time: 4.41 min.
Quant Ion: 117.0
Area: 2350
Concentration: 63.61 ug/L
q-value: 94

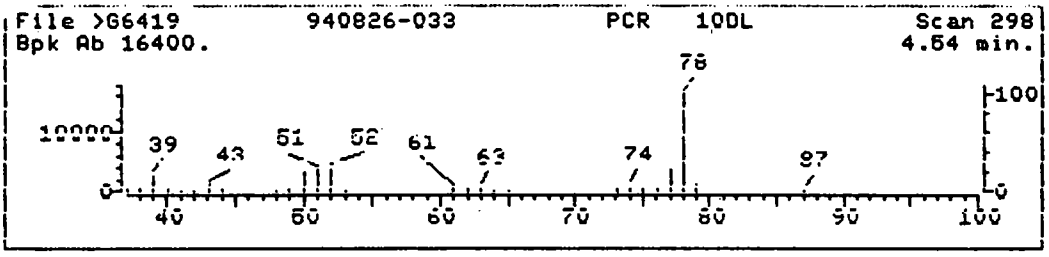
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Injected at: 940828 06:38

Quant Output File: ^G6419::SC

Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 45448
Concentration: 529.76 ug/L
q-value: 100

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 18:38 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.5	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		39.8	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		135	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		295	1250	6.25

0000474

QUANT REPORT

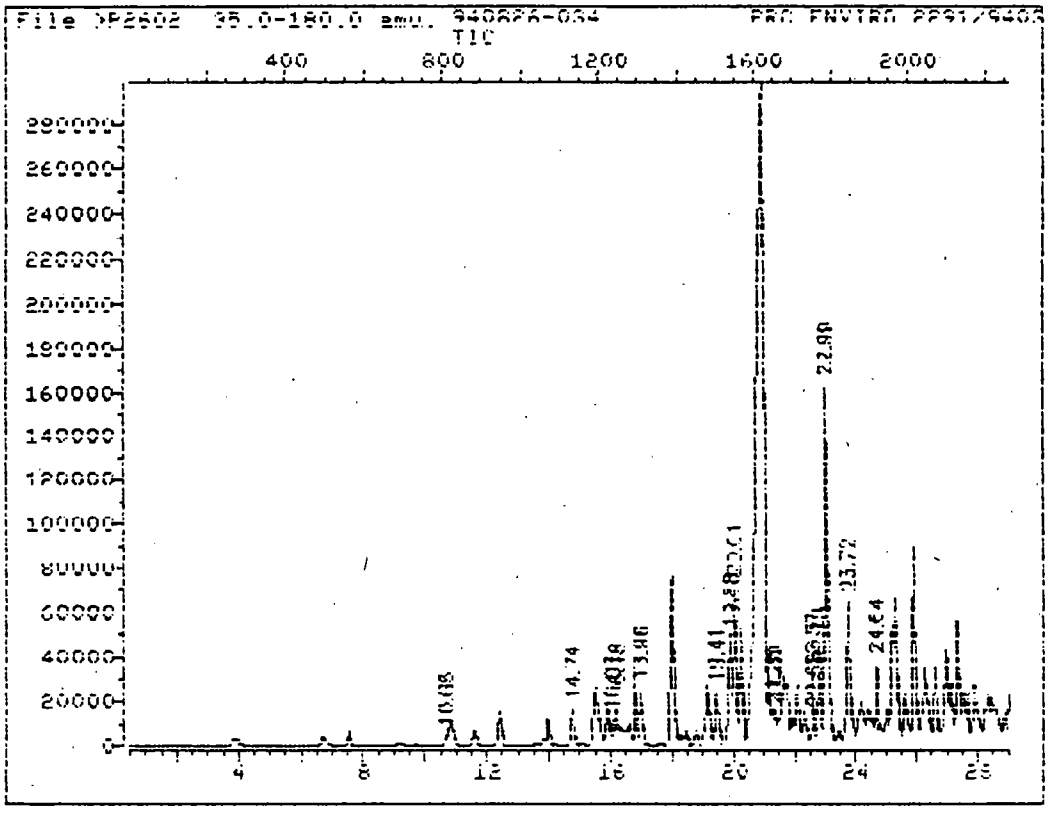
Operator ID: BURBA Quant Rev: 6 Quant Time: 940910 15:07
Output File: ^F2602::D1 Injected at: 940910 18:38
Data File: >F2602::A5 Dilution Factor: 1250.000
Name: 940826-034
Misc: PRC ENVIRO 2291/9408016/1250DL/JS

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	11798	50.00	PPB	75
11)	Methylene chloride	10.66	889	3045	5841.38	PPB	82
20)	*1,4-DIFLUOROBENZENE	16.56	1308	56502	50.00	PPB	91
22)	1,2-DICHLOROETHANE-D4	16.03	1234	20792	58985.23	PPB	77
24)	Benzene	16.18	1246	40622	41507.73	PPB	100
30)	4-Methyl-2-pentanone	19.41	1502	42883	140700.1	PPB	44
31)	TOLUENE-D8	19.86	1539	51454	62691.47	PPB	93
32)	Toluene	20.01	1549	140149	135174.0	PPB	92
34)	1,1,2-Trichloroethane	21.25	1647	390	1478.68	PPB	80
35)	*CHLOROBENZENE-D5	22.57	1751	46050	50.00	PPB	93
36)	Tetrachloroethene	21.05	1631	514	1344.63	PPB	98
38)	2-Hexanone	21.30	1651	5876	30389.66	PPB	56
40)	Chlorobenzene	22.62	1755	927	1183.85	PPB	90
41)	Ethyl benzene	22.78	1768	14840	38832.68	PPB	98
42)	p,m-Xylene	22.99	1784	99536M209386.0		PPB	98
43)	o-Xylene	23.72	1842	41133	85704.48	PPB	94
46)	BROMOFLUOROBENZENE	24.64	1915	46016	68078.00	PPB	69

* Compound is ISTD

TOTAL ION CHROMATOGRAM

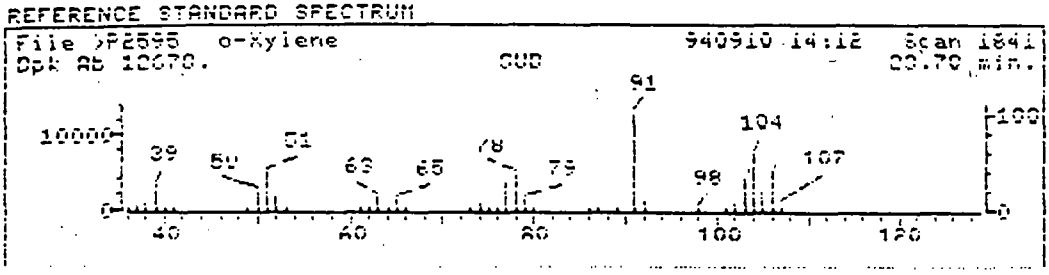


Data File: >F2602::A5 Quant Output File: ^F2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

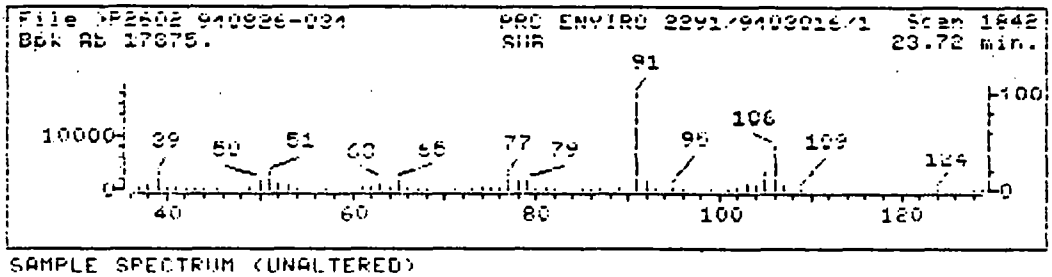
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940510 15:00

Operator ID: BOBBA
Quant Time: 940510 18:07
Injected at: 940510 18:38

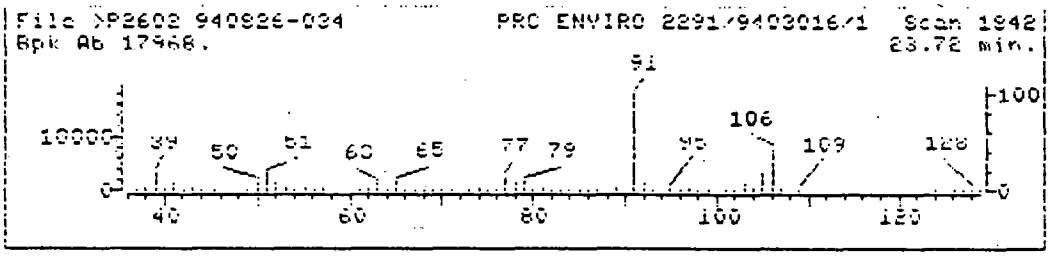
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



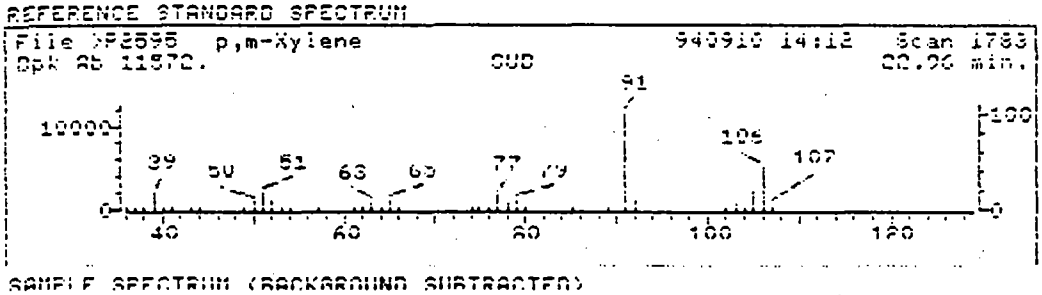
SAMPLE SPECTRUM (UNALTERED)



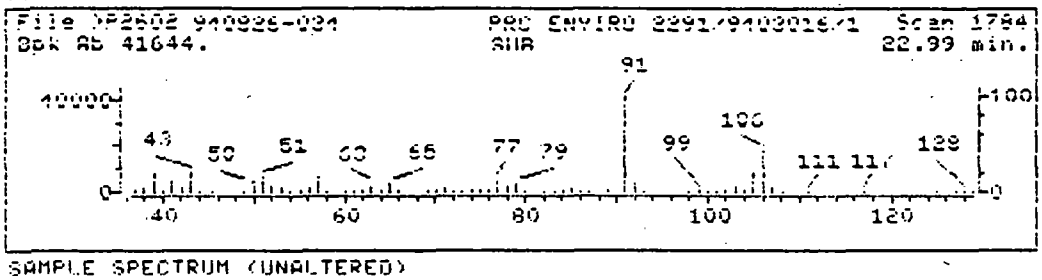
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDCOM1::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 41133
Concentration: 85704.48 PPB
q-value: 94

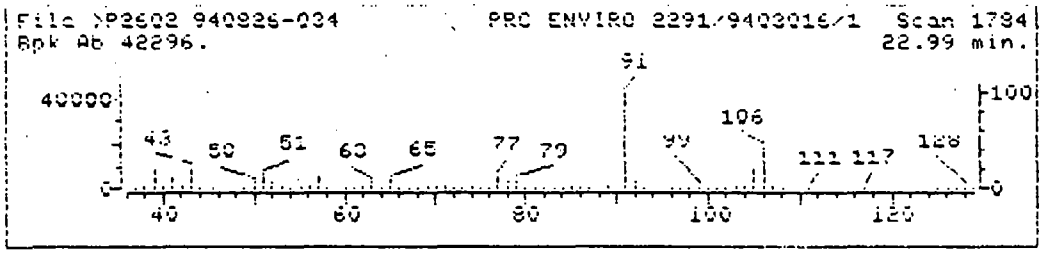
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



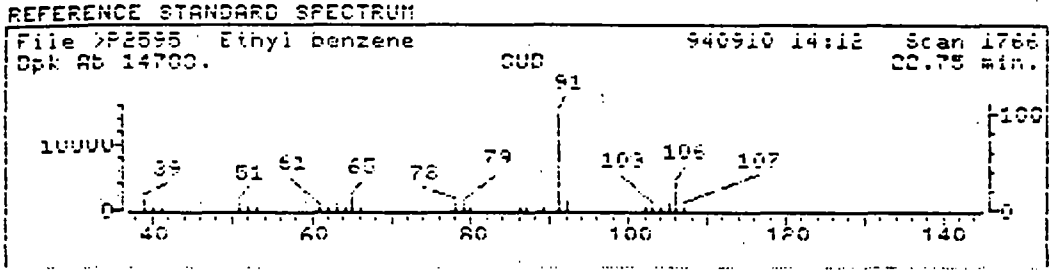
SAMPLE SPECTRUM (UNALTERED)



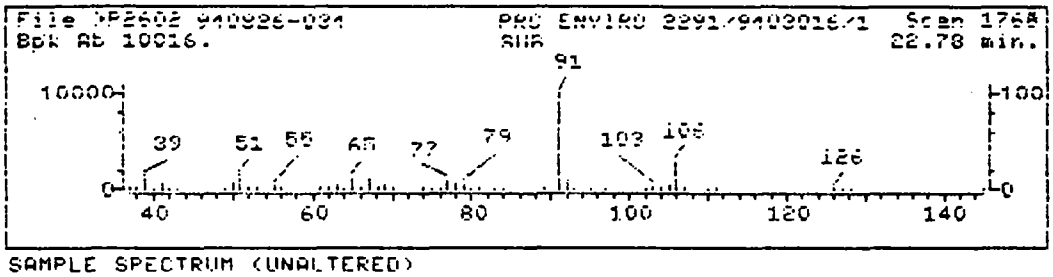
Data File: >P2602::B5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDCOM1::B3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.99 min.
Quant Ion: 106.0
Area: 99536M
Concentration: 209386.0 PPB
q-value: 98

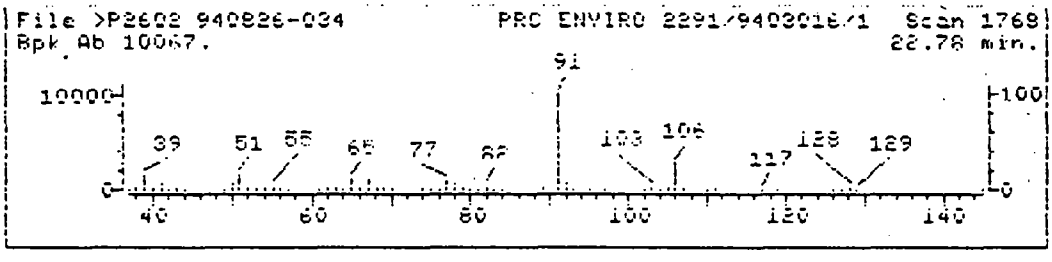
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



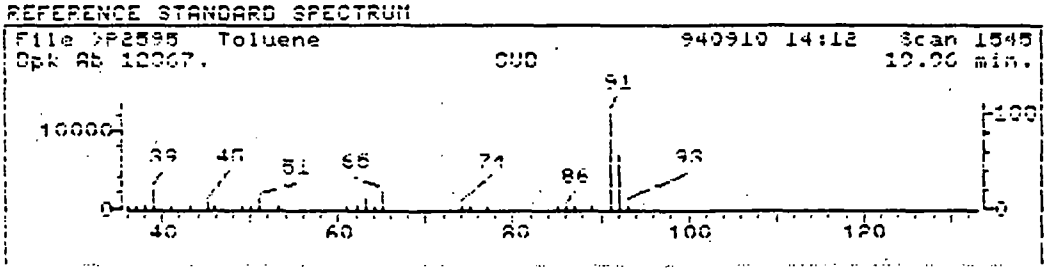
SAMPLE SPECTRUM (UNALTERED)



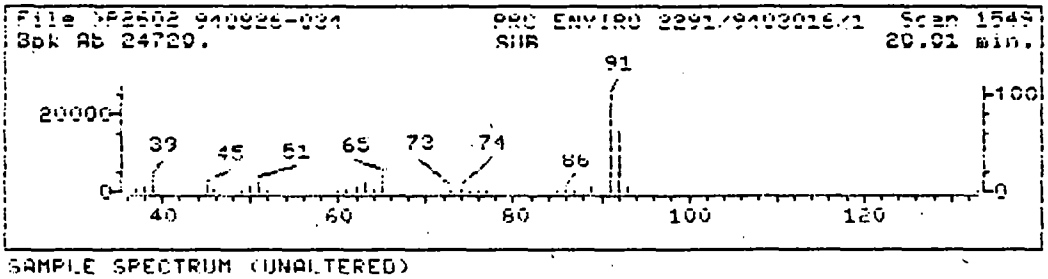
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDCOM1::A5
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 14840
Concentration: 99832.68 PPB
q-value: 98

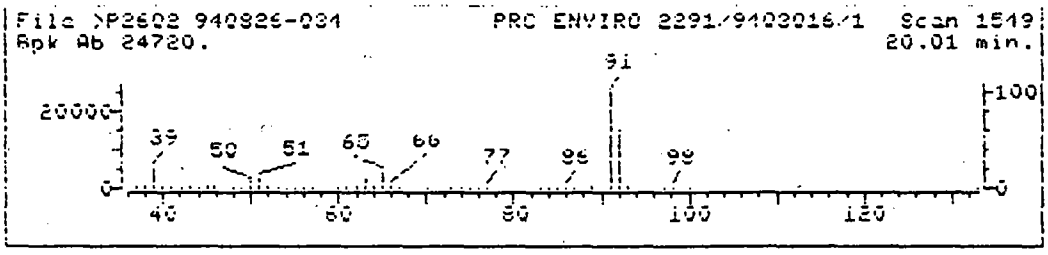
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



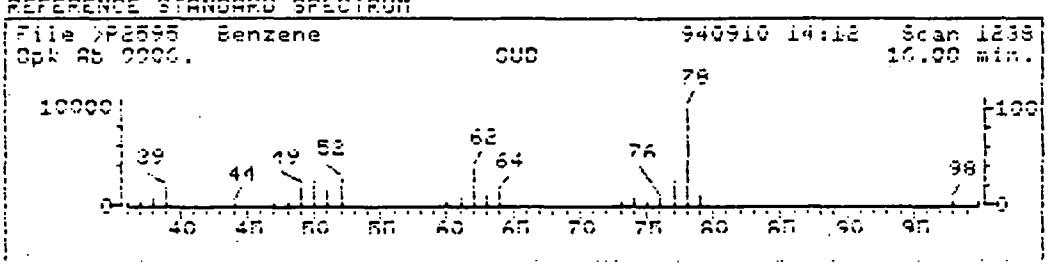
SAMPLE SPECTRUM (UNALTERED)



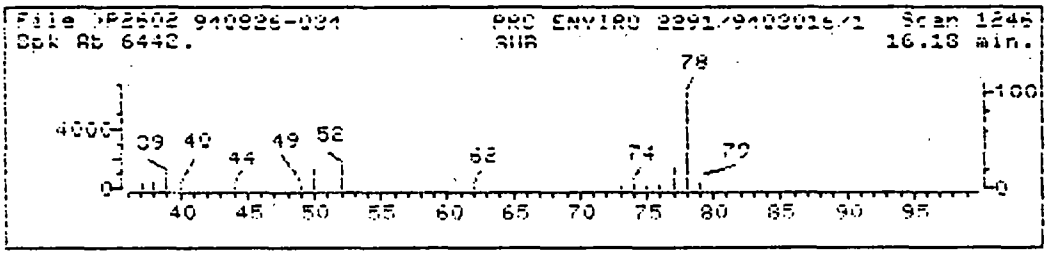
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDC001::A3
Injected at: 940910 18:36 Last Calibration: 940910 15:00

Compound No: 52
Compound Name: Toluene
Scan Number: 1549
Retention Time: 20.01 min.
Quant Ion: 91.0
Area: 140149
Concentration: 1351/4.0 PPB
q-value: 92

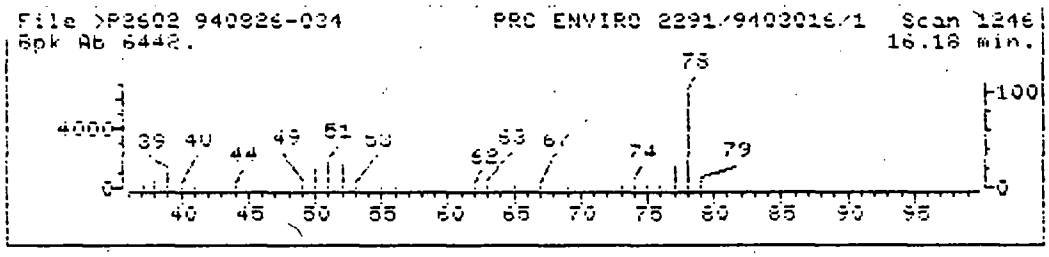
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 19:07 Quant ID File: IDCC01::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1246
Retention Time: 16.18 min.
Quant Ion: 78.0
Area: 40622
Concentration: 4150?.?3 PPB
q-value: 100

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:16
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000482

QUANT REPORT

Operator ID: JULES
Output File: ^G6415::SC
Data File: >G6415::A4
Name: 940826-034
Misc: PCR 10DL

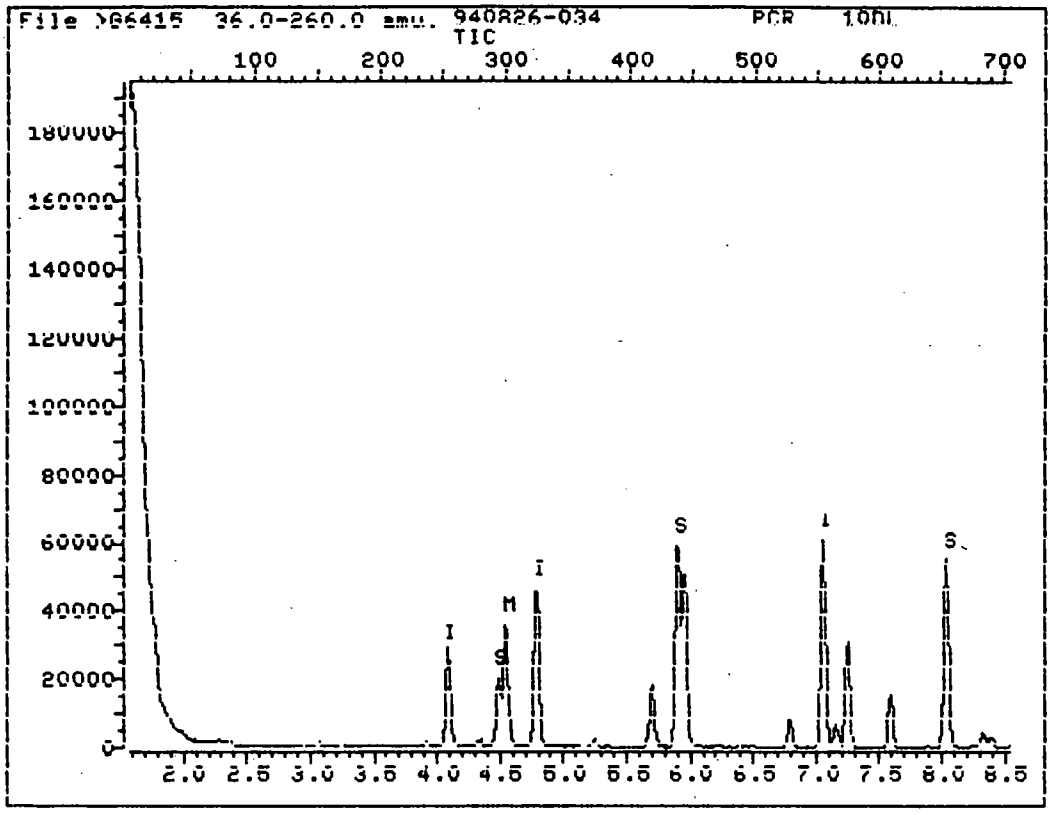
Quant Rev: 6 Quant Time: 940830 12:09
Injected at: 940828 05:16
Dilution Factor: 10.00000

ID File: 1DINW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	254	9498	50.00	ug/L	75
20)	*1,4-DIFLUOROBENZENE	4.78	325	52248	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.48	295	18942	541.57	ug/L	88
24)	Benzene	4.54	301	38642	460.11	ug/L	100
31)	TOLUENE-D8	5.90	438	55930	553.08	ug/L	94
35)	*CHLOROBENZENE-D5	7.05	555	47484	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.04	655	31325	494.46	ug/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

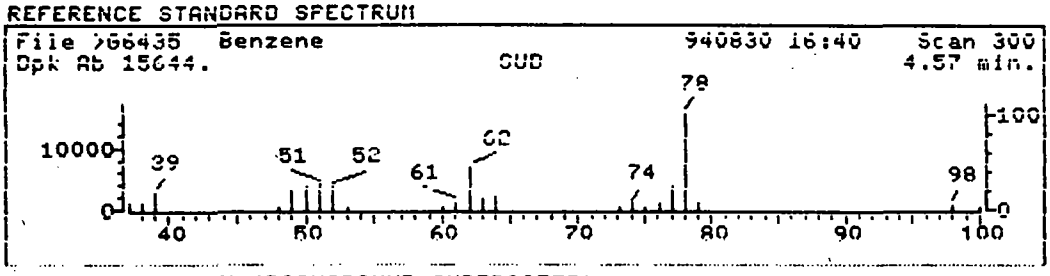


Data File: >G6415::A4 Quant Output File: ^G6415::SC
Name: 940826-034
Misc: PCR 10DL

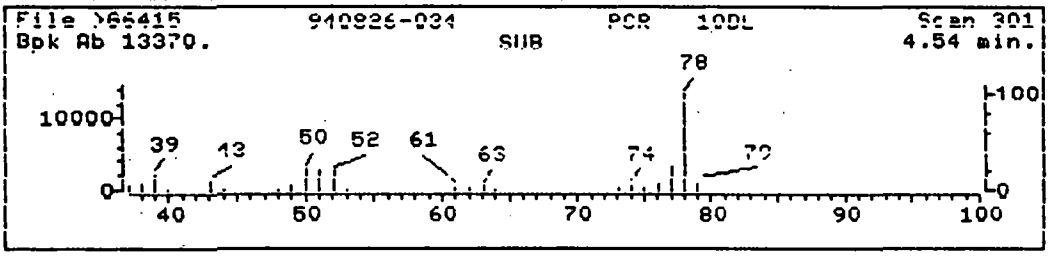
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:09
Injected at: 940828 05:16

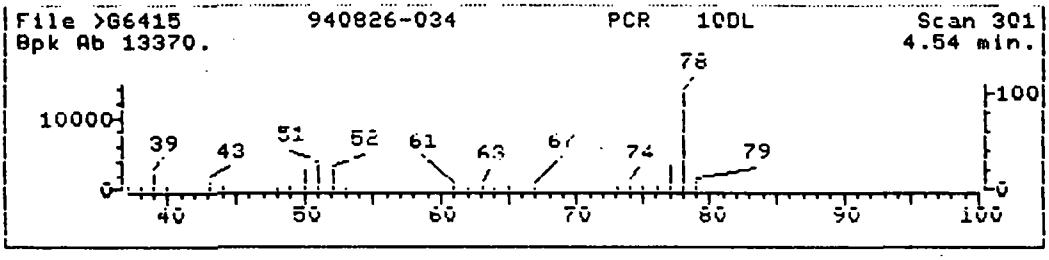
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6415::A4
Name: 940826-034
Misc: PCR 10DL
Quant Time: 940830 12:09
Injected at: 940828 05:16

Quant Output File: ^G6415::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 301
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 38642
Concentration: 460.11 ug/L
q-value: 100

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7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 19:13 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.7	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride		28.1	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		12.0	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		23.8	1250	6.25
Toluene		49.2	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		273	1250	6.25

0000486

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 19:42
Output File: ^P2603::D1 Injected at: 940910 19:13
Data File: >P2603::A5 Dilution Factor: 1250.000
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

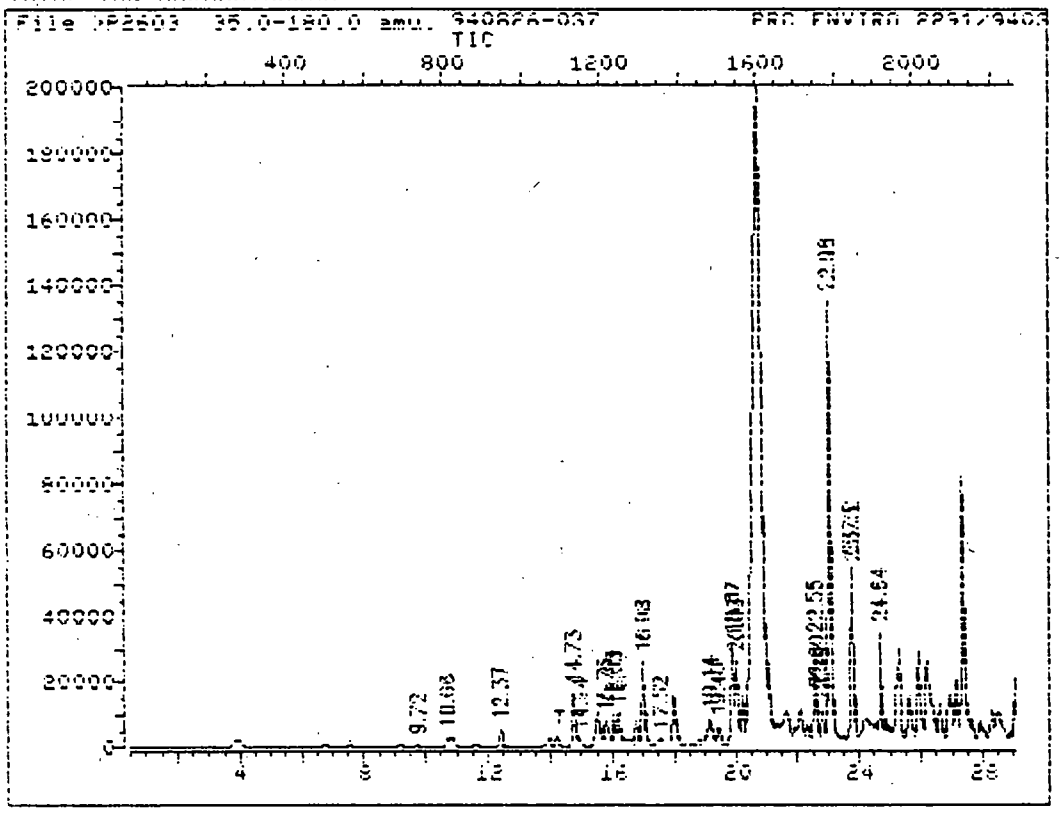
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12248	50.00	PPB	7
9)	Carbon disulfide	9.72	734	3404	3316.43	PPB	9
11)	Methylene chloride	10.66	809	2835	5238.72	PPB	8
15)	Vinyl acetate	12.37	944	7335	14372.12	PPB	8
16)	cis-1,2-Dichloroethylene	14.17	1087	7462	4860.88	PPB	8
18)	Chloroform	14.94	1148	2902	3890.95	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.98	1309	56407	50.00	PPB	8
21)	Carbon tetrachloride	15.75	1212	13236	28106.16	PPB	9
22)	1,2-DICHLOROETHANE-D4	16.03	1234	20926	59465.35	PPB	7
24)	Benzene	16.17	1245	23199	23744.75	PPB	10
25)	Trichloroethene	17.52	1352	1258	3342.22	PPB	9
28)	2-Choloroethyl vinyl ether	19.14	1480	134	799.83	PPB	7
30)	4-Methyl-2-pentanone	19.40	1501	9472	31276.05	PPB	4
31)	TOLUENE-D8	19.87	1538	51004	62247.85	PPB	9
32)	Toluene	20.00	1548	50897	49172.95	PPB	9
35)	*CHLOROBENZENE-D5	22.55	1750	45718	50.00	PPB	9
36)	Tetrachloroethene	21.05	1631	9029	23791.50	PPB	9
40)	Chlorobenzene	22.60	1754	925	1189.87	PPB	9
41)	Ethyl benzene	22.78	1768	4423	11958.18	PPB	9
42)	p,m-Xylene	22.98	1784	94235M	199674.2	PPB	9
43)	o-Xylene	23.72	1842	34710	72846.75	PPB	9
44)	Styrene	23.73	1843	11077	14388.21	PPB	4
46)	BROMOFLUOROBENZENE	24.64	1915	41753	62219.72	PPB	6

* Compound is ISTD

0000487

TOTAL ION CHROMATOGRAM



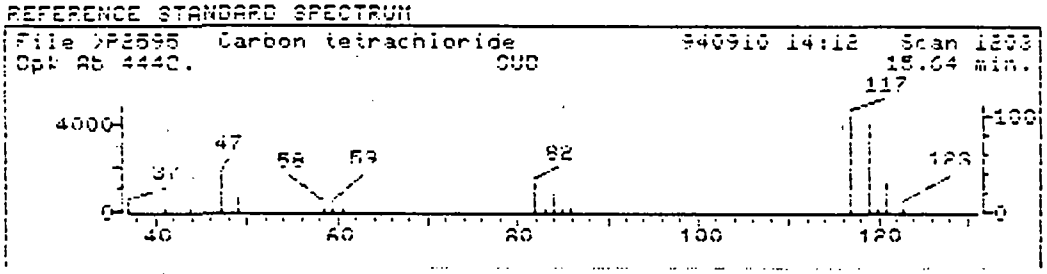
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

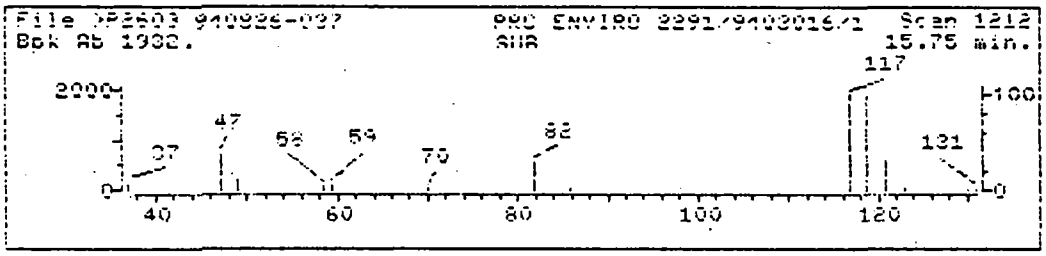
Operator ID: BUBBA
Quant Time: 940910 19:42
Injected at: 940910 19:13

REFERENCE
File >P26
Opt. Ab 0

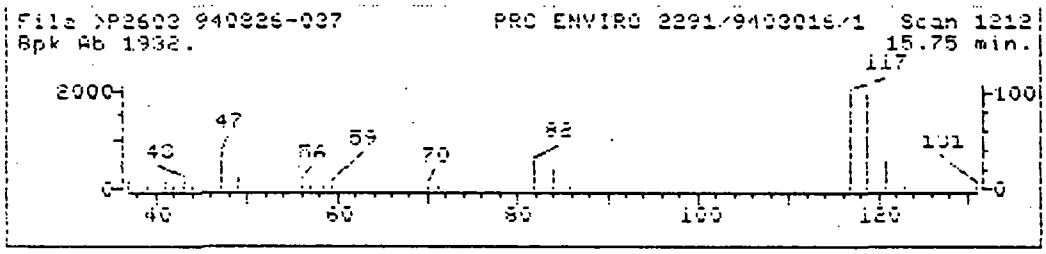
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

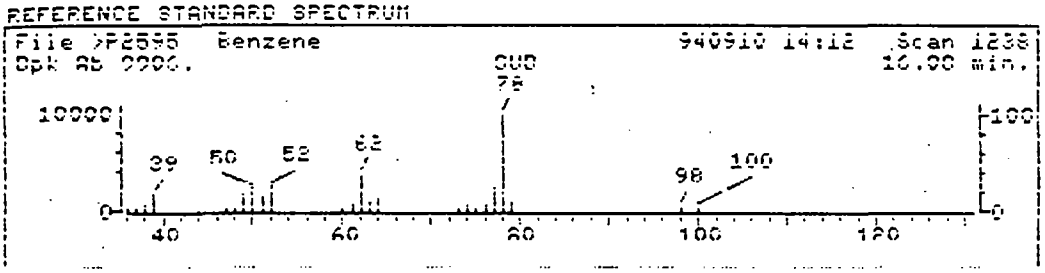


Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 15:42 Quant ID File: IDCOM1::A3
Injected at: 940910 15:13 Last Calibration: 940910 15:00

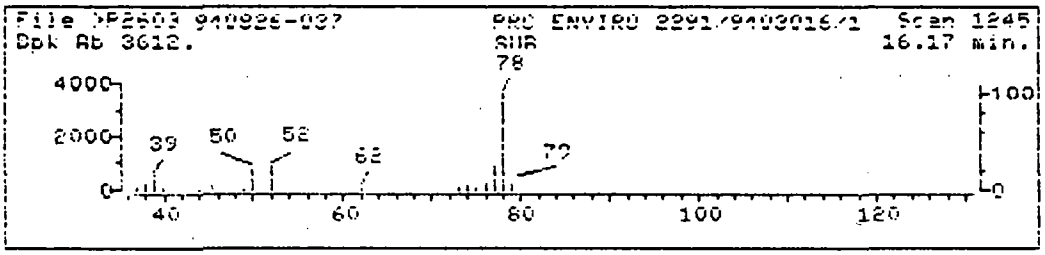
Compound No: 21
Compound Name: Carbon tetrachloride
Scan Number: 1212
Retention Time: 15.75 min.
Quant ion: 117.0
Area: 13236
Concentration: 28106.16 PPB
q-value: 96

0000489

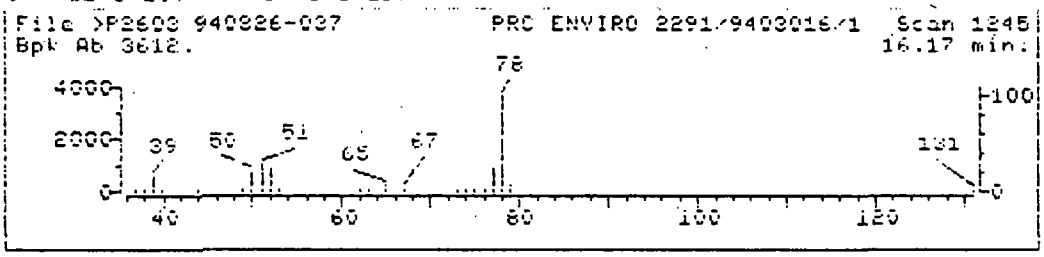
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



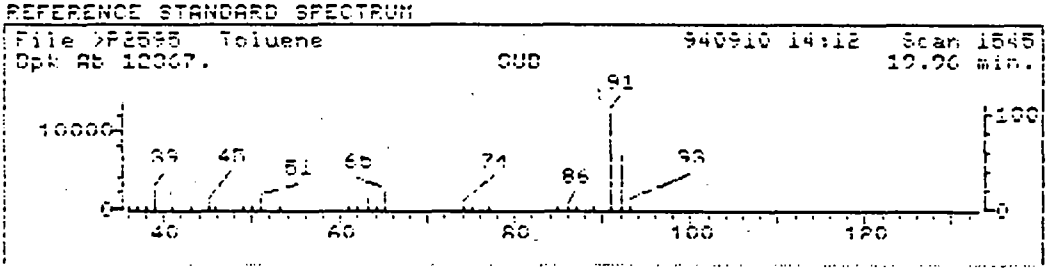
SAMPLE SPECTRUM (UNALTERED)



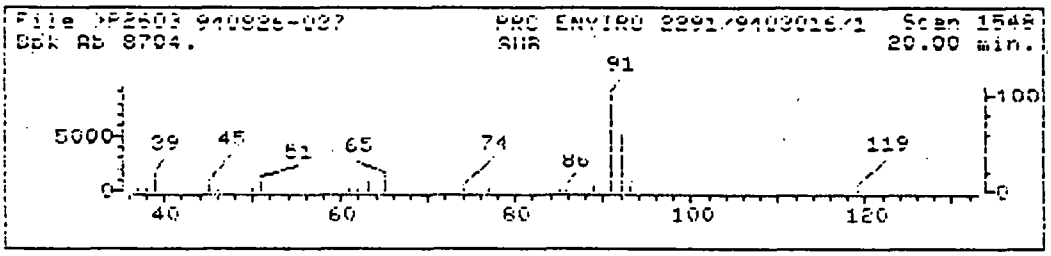
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/05
Quant Time: 940910 19:42 Quant ID File: IDCOM1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 25195
Concentration: 2344.75 PPB
q-value: 100

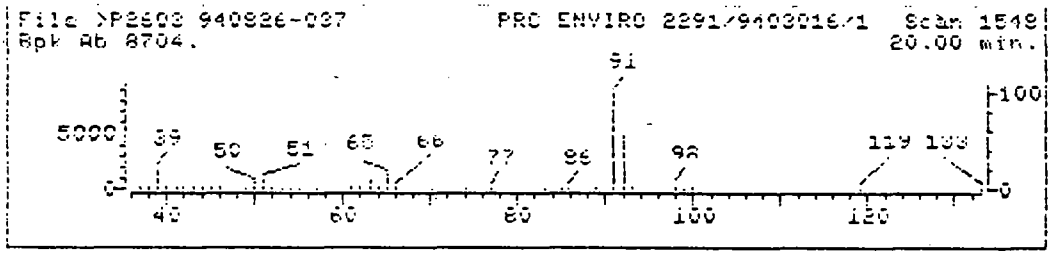
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



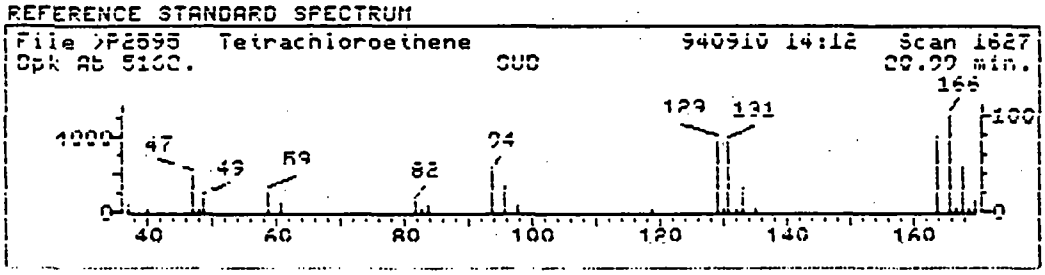
SAMPLE SPECTRUM (UNALTERED)



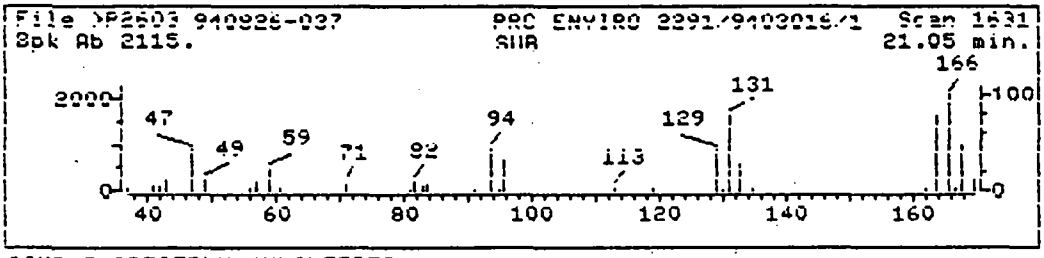
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 19:42 Quant ID File: IDCOM1::A5
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1548
Retention Time: 20.00 min.
Quant Ion: 91.0
Area: 50897
Concentration: 4912.95 PPB
q-value: 95

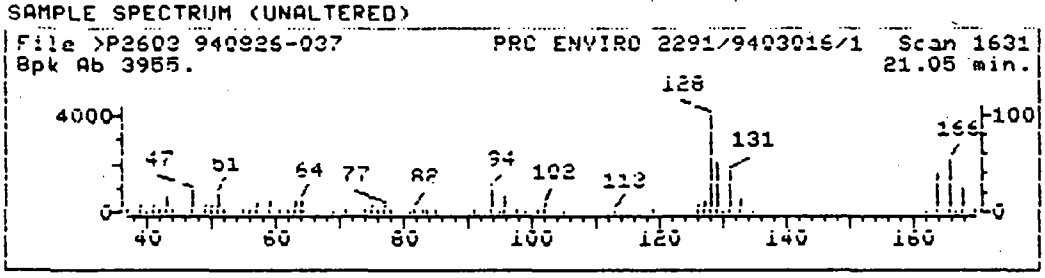
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

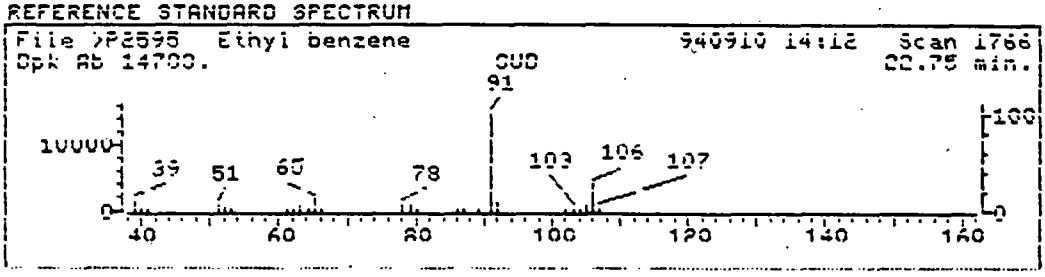


Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

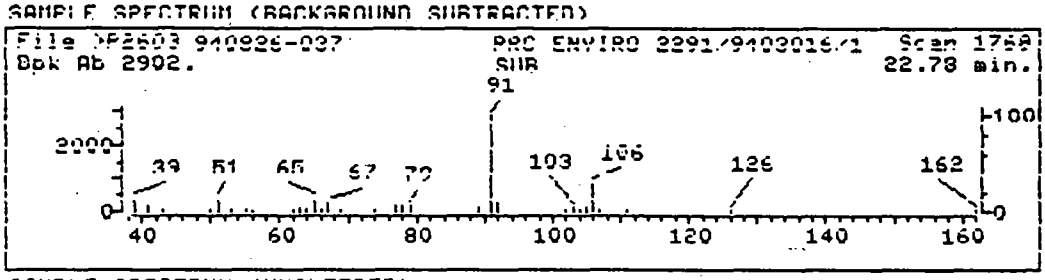
Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1631
Retention Time: 21.05 min.
Quant Ion: 164.0
Area: 9029
Concentration: 23791.50 PPB
q-value: 96

REFERENCE >P25 Bpk Ab C

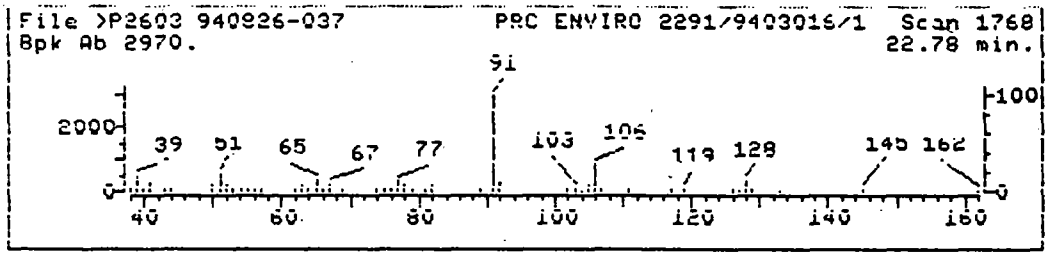
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



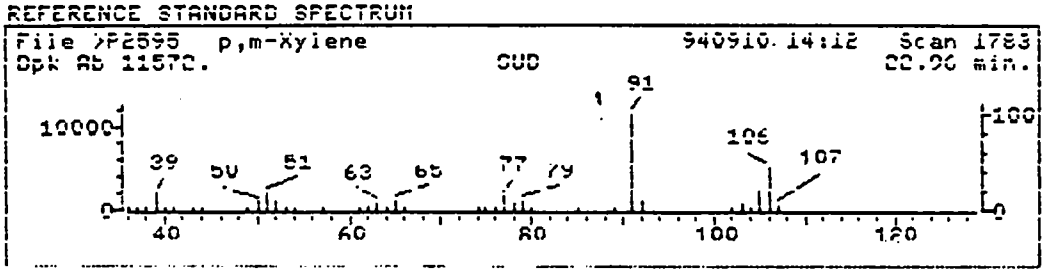
SAMPLE SPECTRUM (UNALTERED)



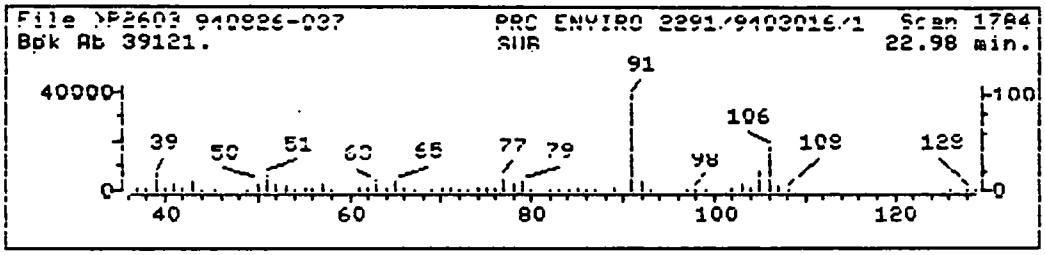
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 4423
Concentration: 11958.18 PPB
q-value: 99

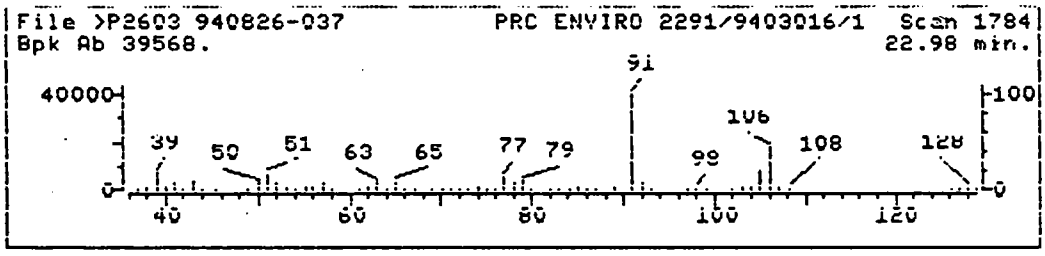
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



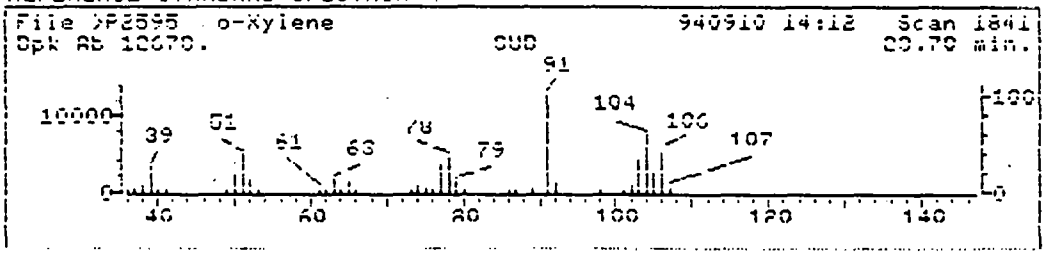
SAMPLE SPECTRUM (UNALTERED)



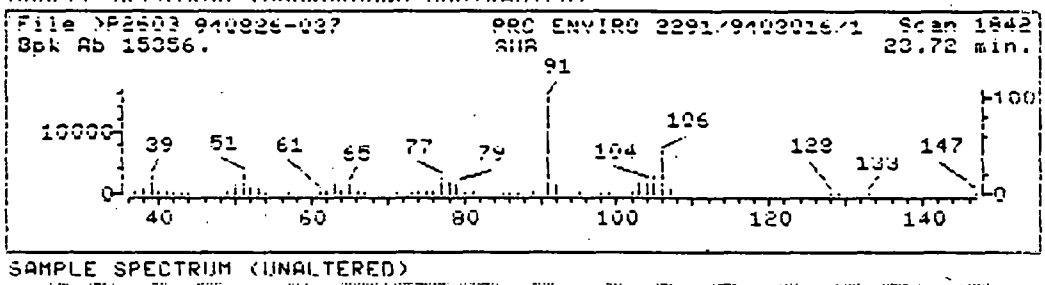
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 94235M
Concentration: 199674.2 PPB
q-value: 97

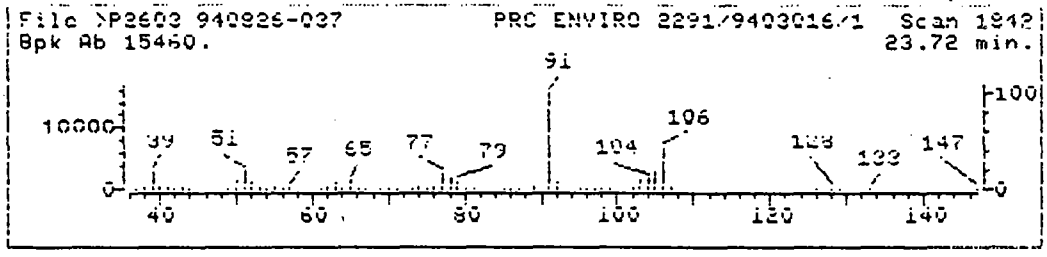
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCOM1::A5
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 34710
Concentration: 72846.75 PPB
q-value: 94

REFERENCE
File

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp

ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:58

PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.39	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6420::SC
Data File: >G6420::A4
Name: 940826-037
Misc: PCR 10DL

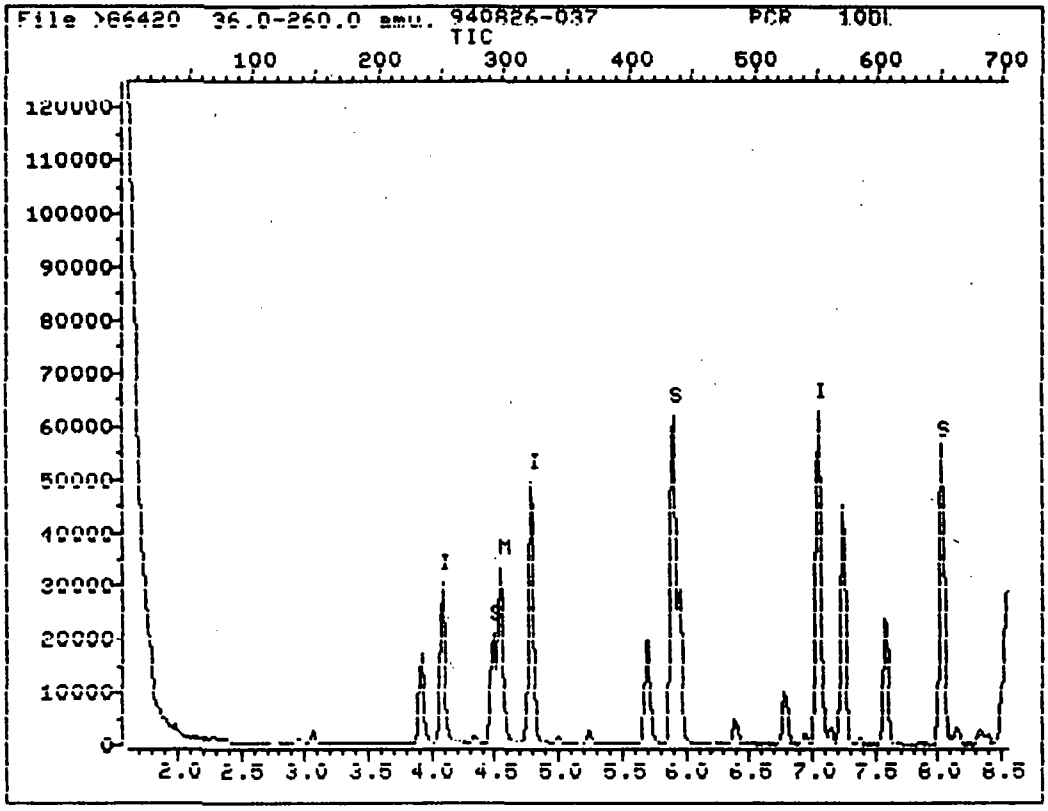
Quant Rev: 6 Quant Time: 940830 13:08
Injected at: 940828 06:58
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9735	50.00	ug/L	80
20)	*1,4-DIFLUOROBENZENE	4.78	322	54362	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	18948	520.67	ug/L	88
24)	Benzene	4.55	298	34478	394.57	ug/L	100
31)	TOLUENE-D8	5.90	435	58044	551.67	ug/L	96
35)	*CHLOROBENZENE-D5	7.04	551	48511	50.00	ug/L	96
46)	4-BROMOFLUOROBENZENE	8.02	650	31599	488.23	ug/L	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM

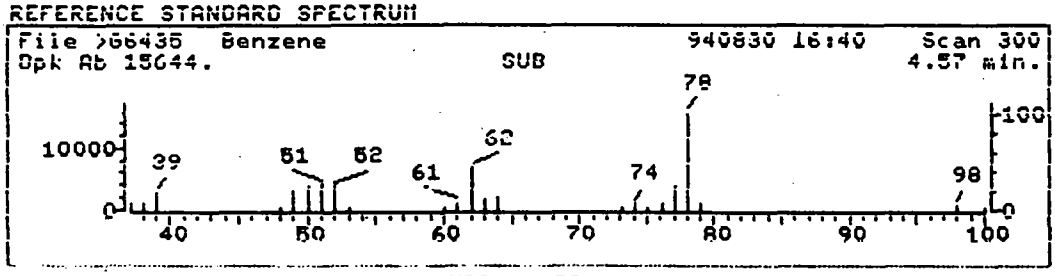


Data File: >G6420::A4 Quant Output File: ^G6420::SC
Name: 940826-037
Misc: PCR 10DL

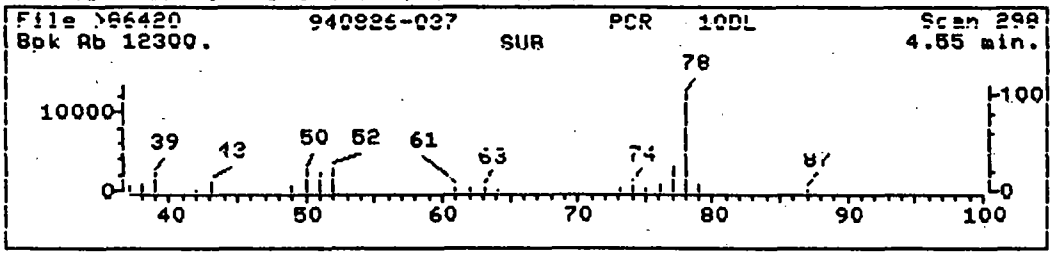
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:08
Injected at: 940828 06:58

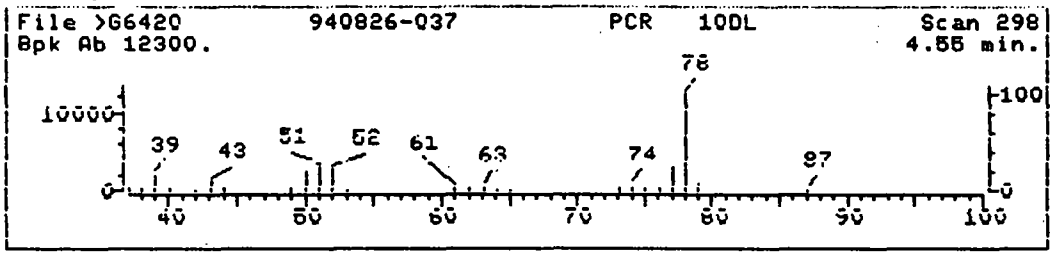
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6420::A4
Name: 940826-037
Misc: PCR 10DL
Quant Time: 940830 13:08
Injected at: 940828 06:58

Quant Output File: ^G6420::SC
Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 34478
Concentration: 394.57 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 10:18 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.7	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		12.3	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		26.1	1250	6.25
Toluene		46.7	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane		15.1	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		296	1250	6.25

0000500

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 10:48
Output File: ^F2648::D1 Injected at: 940912 10:18
Data File: >F2648::D1 Dilution Factor: 1250.000
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

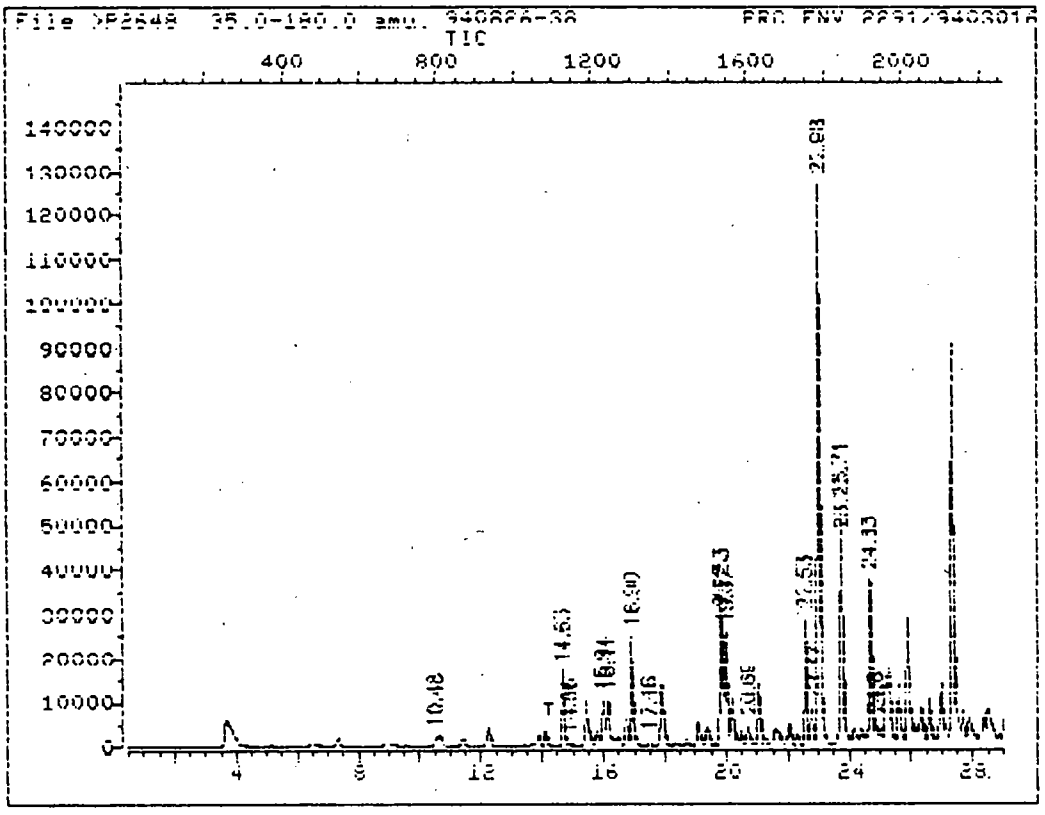
6250

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.63	1123	13128	50.00	PPB	7
11)	Methylene chloride	10.48	794	2416	~~5581.56~~	PPB	6
16)	cis-1,2-Dichloroethylene	14.09	1080	8509	~~5525.35~~	PPB	8
18)	Chloroform	14.86	1141	207	271.97	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.90	1303	58420	50.00	PPB	9
22)	1,2-DICHLOROETHANE-D4	15.94	1227	21766	56999.27	PPB	8
24)	Benzene	16.11	1240	24058	23682.82	PPB	10
25)	Trichloroethene	17.46	1347	1181	3042.67	PPB	9
30)	4-Methyl-2-pentanone	19.82	1534	1710	~~5457.11~~	PPB	8
31)	TOLUENE-D8	19.83	1535	51361	56305.49	PPB	9
32)	Toluene	19.97	1546	49713	46731.04	PPB	9
34)	1,1,2-Trichloroethane	20.69	1603	4121	15065.11	PPB	7
35)	*CHLOROBENZENE-D5	22.53	1749	44283	50.00	PPB	9
36)	Tetrachloroethene	21.02	1629	8734	26103.77	PPB	9
41)	Ethyl benzene	22.77	1768	4179	12308.34	PPB	9
42)	p,m-Xylene	22.98	1784	92821	M214933.0	PPB	9
43)	o-Xylene	23.71	1842	35292	80106.27	PPB	9
44)	Styrene	23.73	1844	11673	16113.51	PPB	5
46)	BROMOFLUOROBENZENE	24.63	1915	45941	65872.42	PPB	7
47)	1,1,2,2-Tetrachloroethane	24.81	1929	460	954.31	PPB	9

* Compound is ISTD

0000501

TOTAL ION CHROMATOGRAM



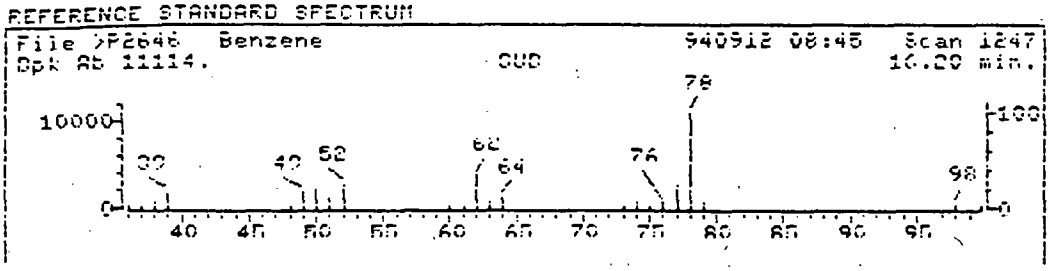
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940912 10:00

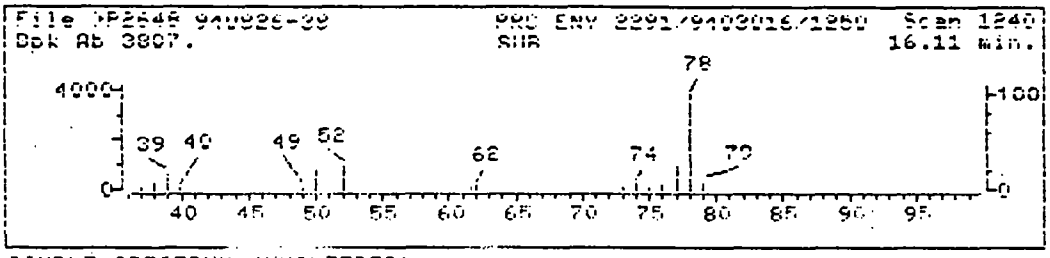
Operator ID: BOBBA
Quant Time: 940912 10:48
Injected at: 940912 10:18

REFERENCE S...

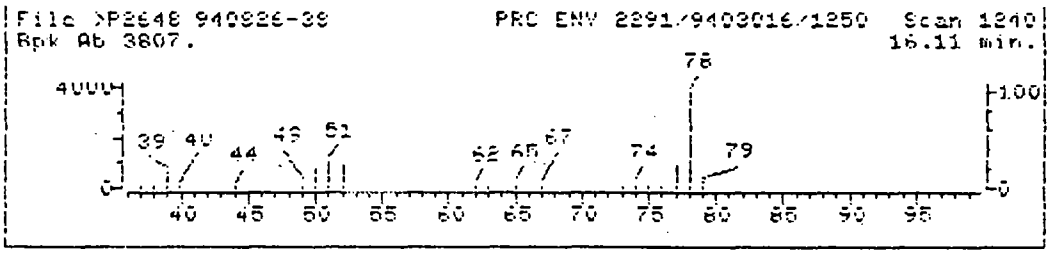
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



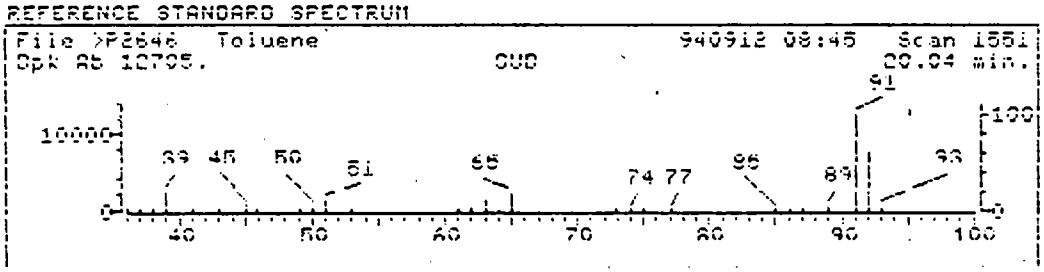
SAMPLE SPECTRUM (UNALTERED)



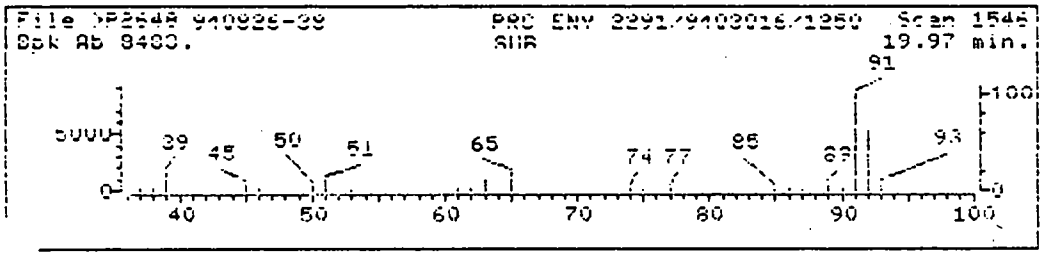
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::R3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 74
Compound Name: Benzene
Scan Number: 1240
Retention Time: 16.11 min.
Quant Ion: 78.0
Area: 24058
Concentration: 73682.82 PPB
q-value: 100

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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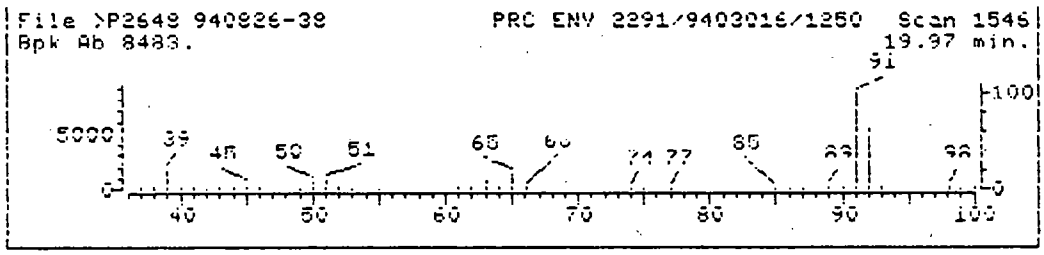
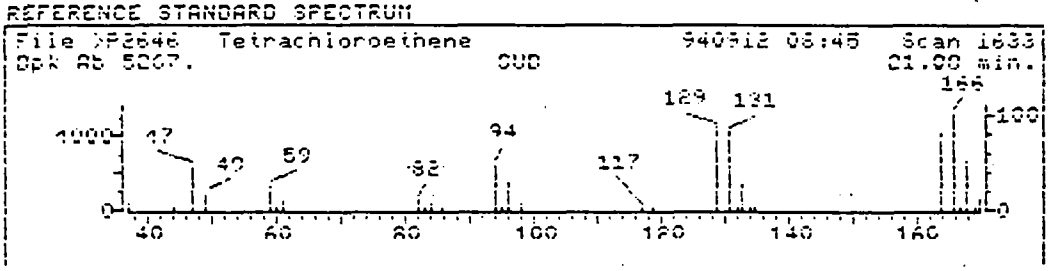


Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::AS
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1546
Retention Time: 19.97 min.
Quant ion: 91.0
Area: 49713
Concentration: 46731.84 PPB
q-value: 90

REFERENCE STANDARD SPECTRUM



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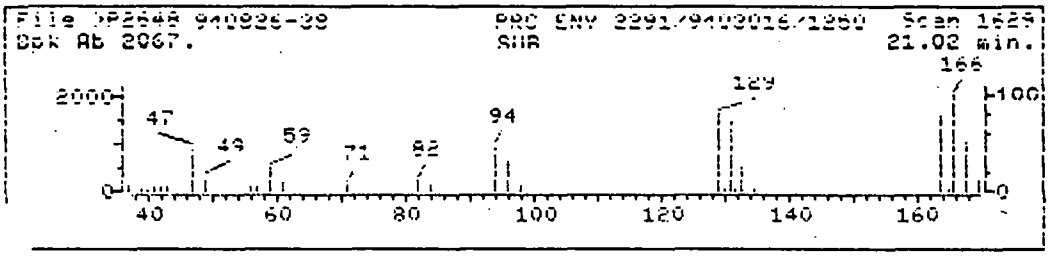

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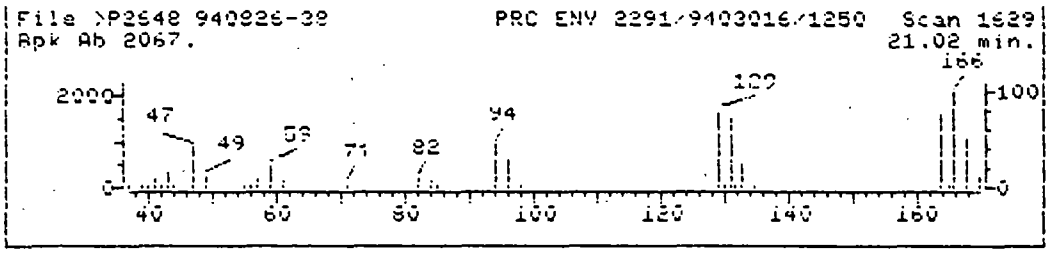
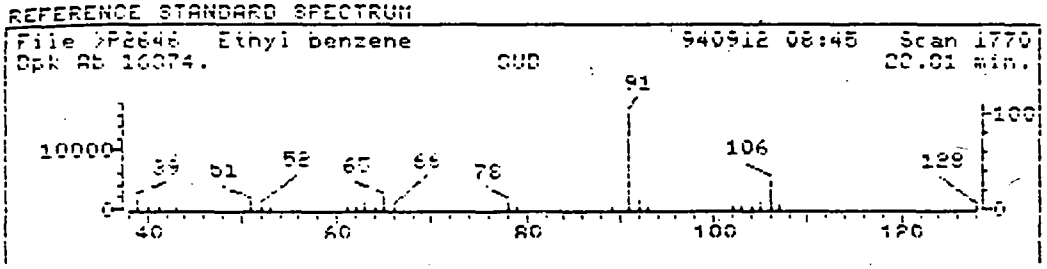


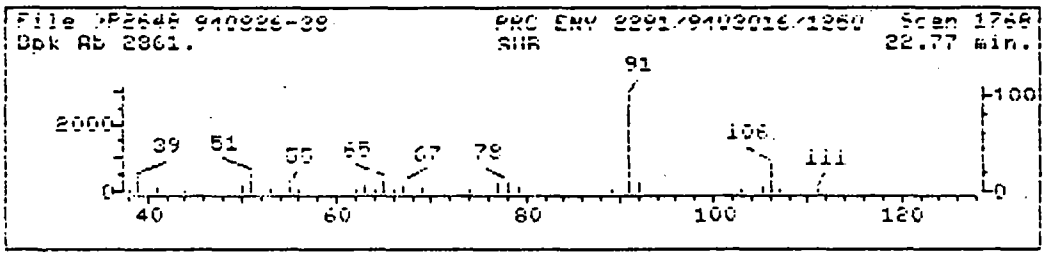
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::AS
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1629
Retention Time: 21.02 min.
Quant Ion: 164.0
Area: 8734
Concentration: 26103.77 PPB
q-value: 96

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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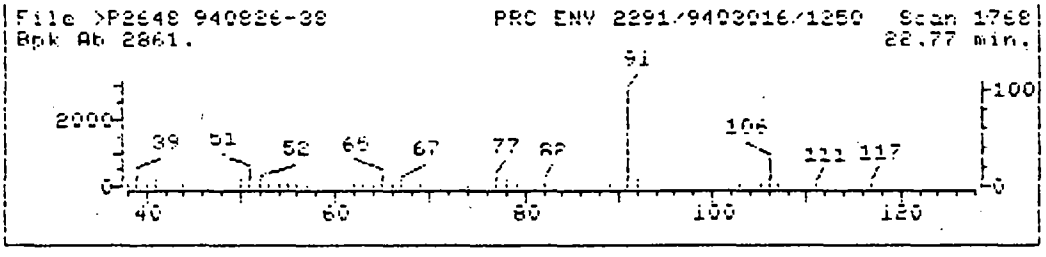
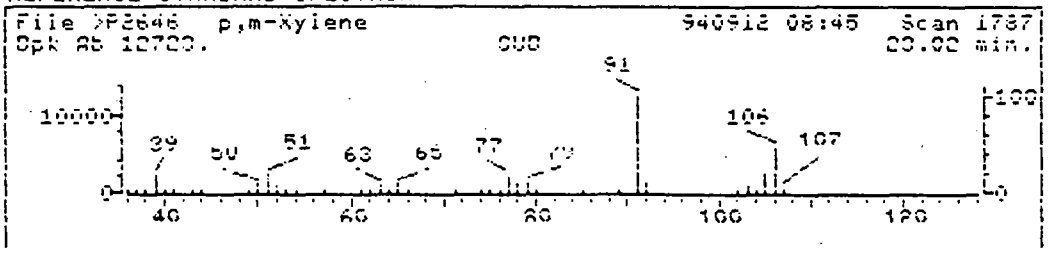


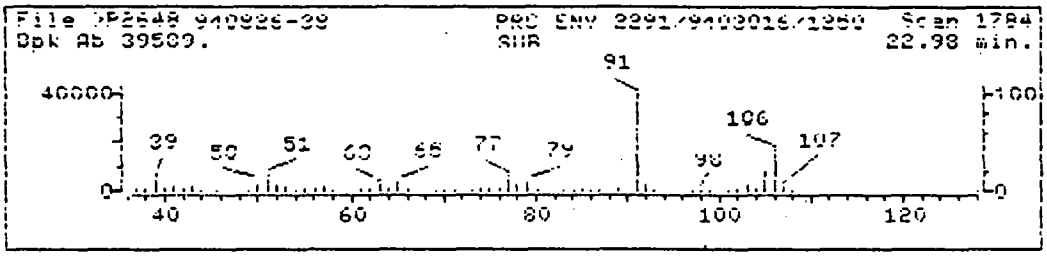
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/J5
Quant Time: 940912 10:48 Quant ID File: IDCOM1::A8
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.77 min.
Quant Ion: 106.0
Area: 4179
Concentration: 12308.34 PPB
q-value: 97

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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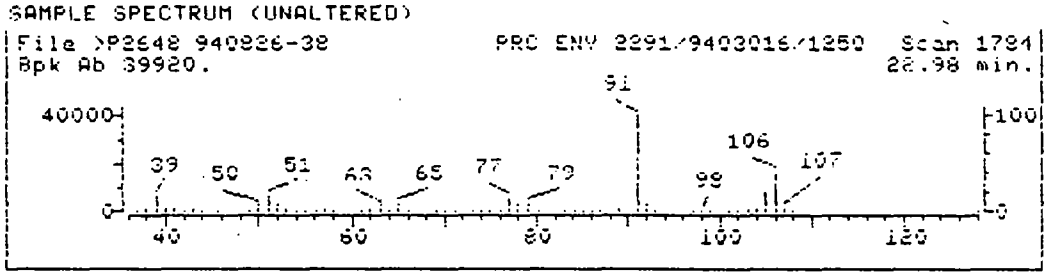

Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 92821M
Concentration: 214933.0 PPB
q-value: 98

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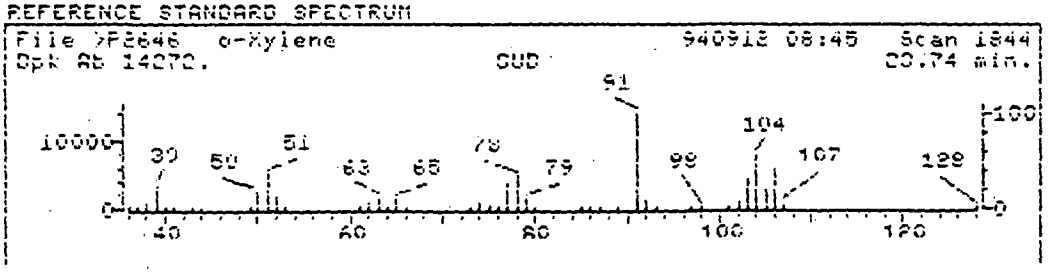
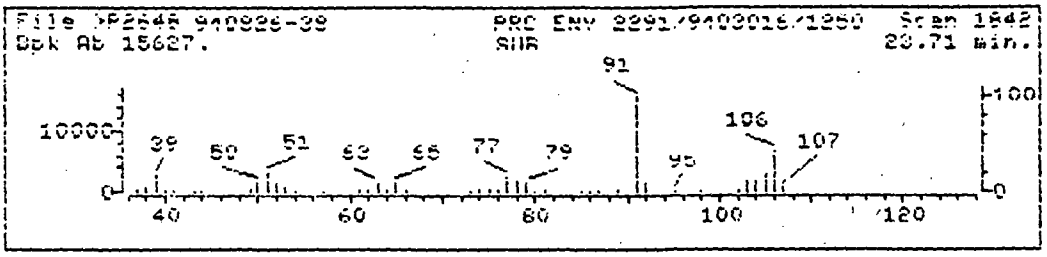
File >P

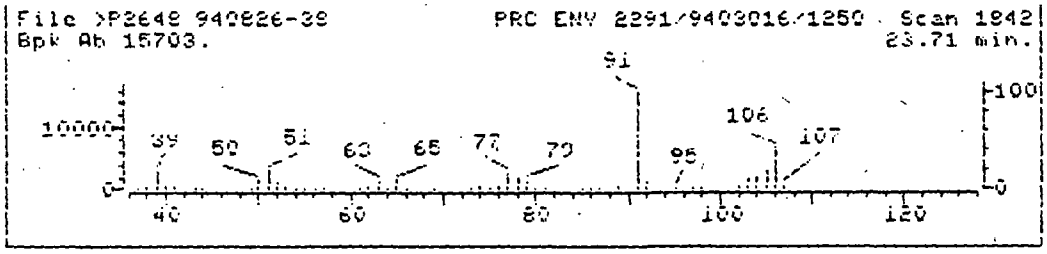
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



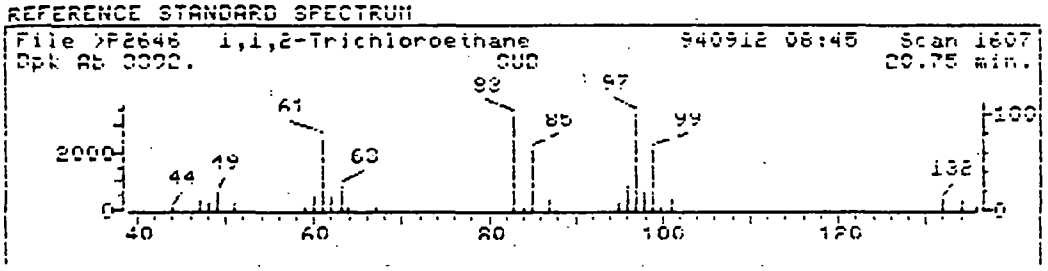
SAMPLE SPECTRUM (UNALTERED)



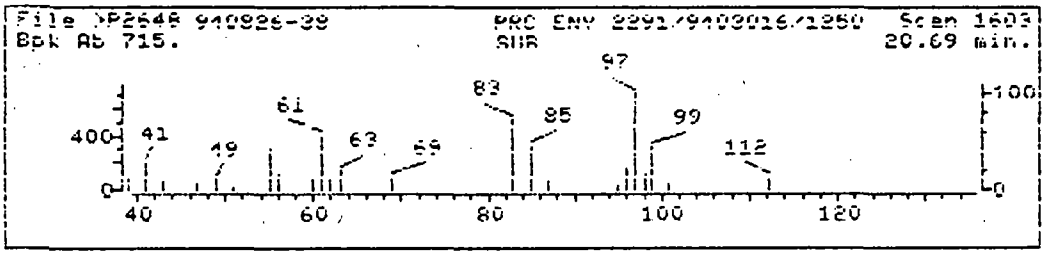
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/J5
Quant Time: 940912 10:48 Quant ID File: IDCCW1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.71 min.
Quant Ion: 106.0
Area: 35292
Concentration: 80106.27 PPB
q-value: 95

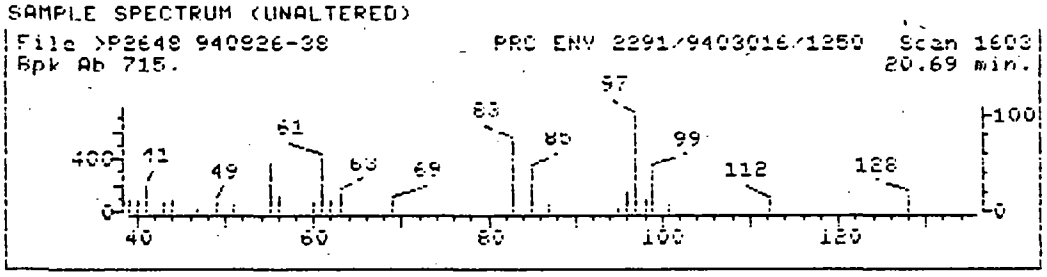
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >F2648::D1 Quant Output File: ^F2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::AS
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 34
Compound Name: 1,1,2-Trichloroethane
Scan Number: 1603
Retention Time: 20.69 min.
Quant Ion: 97.0
Area: 4121
Concentration: 15065.11 PPB
q-value: ??

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:47
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000510

QUANT REPORT

Operator ID: JULES
Output File: ^G6408::SC
Data File: >G6408::A4
Name: 940826-038
Misc: PRC 10DL

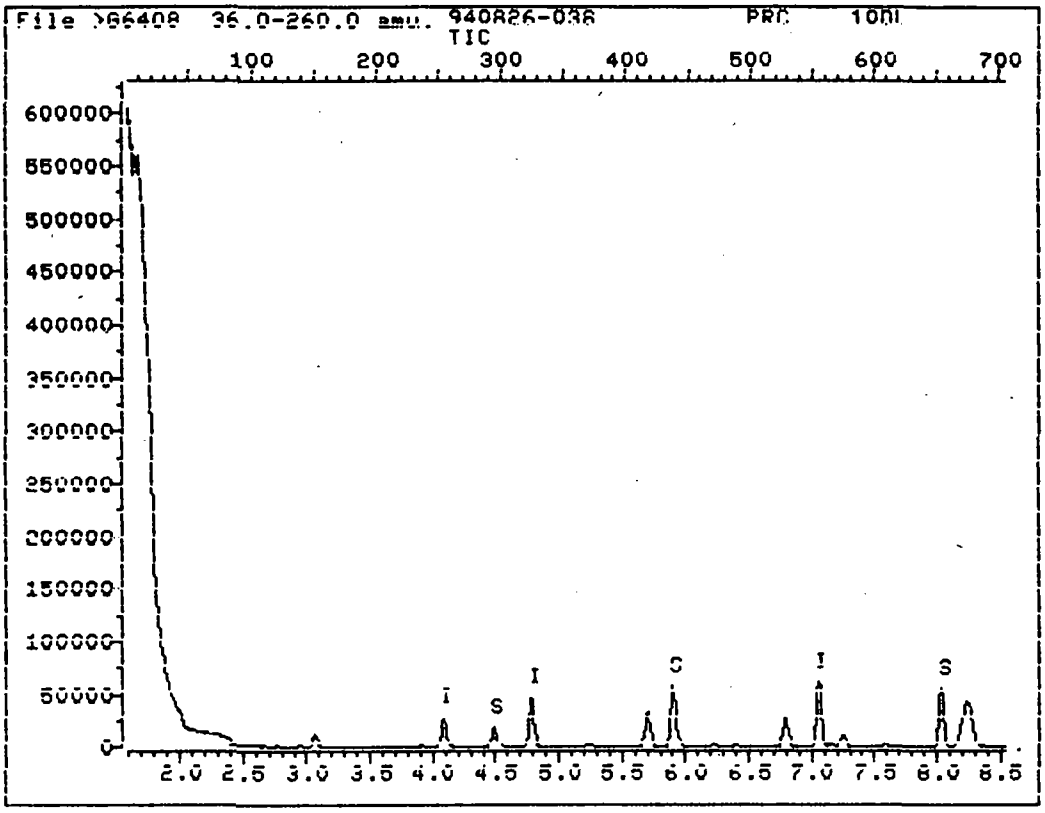
Quant Rev: 6 Quant Time: 940830 11:37
Injected at: 940828 02:47
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	254	9877	50.00	ug/L	70
20)	*1,4-DIFLUOROBENZENE	4.78	325	52613	50.00	ug/L	92
22)	1,2-DICHLOROETHANE-D4	4.49	295	17107	485.71	ug/L	84
31)	TOLUENE-D8	5.90	438	53656	526.92	ug/L	98
35)	*CHLOROBENZENE-D5	7.06	555	47782	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.03	654	29893	468.91	ug/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6408::A4 Quant Output File: ^G6408::SC
Name: 940826-038
Misc: PRC 10DL

Id File: 1D1NW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:37
Injected at: 940828 02:47

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 15:14 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	7.04	1250	6.25
Bromoform	< DL	1250	6.25
Carbon tetrachloride	< DL	1250	6.25
Chlorobenzene	< DL	1250	6.25
Chlorodibromomethane	< DL	1250	6.25
Chloroethane	< DL	1250	6.25
2-Chloroethylvinyl ether	< DL	1250	6.25
Chloroform	< DL	1250	6.25
1,2-Dichlorobenzene	< DL	1250	6.25
1,4-Dichlorobenzene	< DL	1250	6.25
1,3-Dichlorobenzene	< DL	1250	6.25
Dichlorobromomethane	< DL	1250	6.25
1,1-Dichloroethane	< DL	1250	6.25
1,2-Dichloroethane	< DL	1250	6.25
1,1-Dichloroethene	< DL	1250	6.25
trans-1,2-Dichloroethene	< DL	1250	6.25
1,2-Dichloropropane	< DL	1250	6.25
1,3-Dichloropropylene	< DL	1250	6.25
trans-1,3-Dichloropropene	< DL	1250	6.25
Ethylbenzene	< DL	1250	6.25
Methyl bromide	< DL	1250	6.25
Methyl chloride	< DL	1250	6.25
Methylene chloride	13.9	1250	6.25
1,1,2,2-Tetrachloroethane	< DL	1250	6.25
Tetrachloroethene	< DL	1250	6.25
Toluene	16.9	1250	6.25
1,1,1-Trichloroethane	< DL	1250	6.25
1,1,2-Trichloroethane	< DL	1250	6.25
Trichloroethene	< DL	1250	6.25
Trichlorofluoromethane	< DL	1250	6.25
Vinyl chloride	< DL	1250	6.25
Total Xylene	22.3	1250	6.25

0000513

QUANT REPORT

Operator ID: BURBA Quant Rev: 6 Quant Time: 940909 15:44
Output File: ^P2578::D1 Injected at: 940909 15:14
Data File: >P2578::B5 Dilution Factor: 1250.000
Name: 940826-39
Misc: PRC ENVIRO 2291/940311B16/1250DL/JS

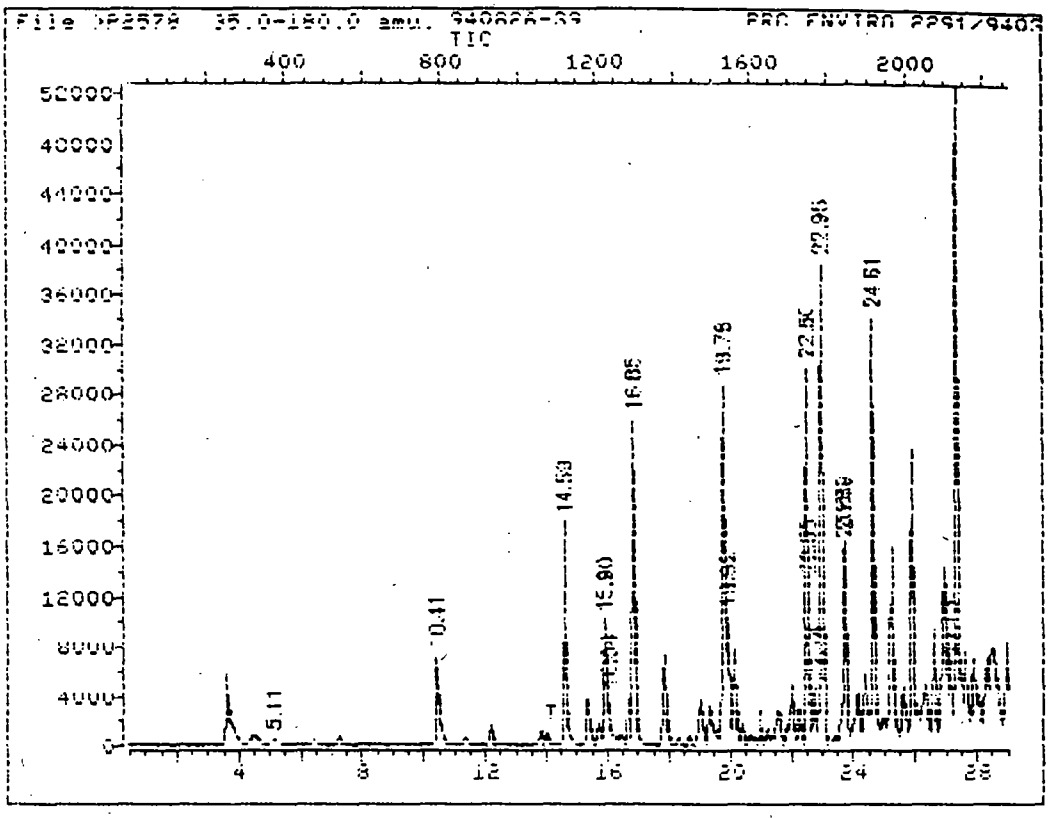
ID File: 1DCCW1::B3
Title: VOA 1DFILE
Last Calibration: 940909 12:22

6 250

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.59	1120	13537	50.00	PPB	76
3)	Vinyl chloride	5.11	369	1647	~~4673.78~~	PPB	92
11)	Methylene chloride	10.41	789	10348	13858.60	PPB	75
16)	cis-1,2-Dichloroethylene	14.01	1074	2568	~~1551.70~~	PPB	88
20)	*1,4-DIFLUOROBENZENE	16.85	1299	60500	50.00	PPB	86
27)	1,2-DICHLOROETHANE-D4	15.90	1224	22423	59644.30 95	PPB	82
24)	Benzene	16.04	1235	7811	7040.15	PPB	101
30)	4-Methyl-2-pentanone	19.78	1531	1078	~~3837.21~~	PPB	43
31)	TOLUENE-D8	19.78	1531	49847	61556.98 98	PPB	95
32)	Toluene	19.92	1542	19083	16938.23	PPB	93
35)	*CHLOROBENZENE-D5	22.50	1747	45367	50.00	PPB	91
36)	Tetrachloroethene	20.96	1625	1310	~~3471.30~~	PPB	95
40)	Chlorobenzene	22.55	1751	951	~~1221.83~~	PPB	95
41)	Ethyl benzene	22.74	1766	2074	~~5345.26~~	PPB	95
42)	p,m-Xylene	22.74	1766	50445 2074	~~4433.54~~	PPB	95
43)	o-Xylene	23.68	1840	8642	17829.30	PPB	94
44)	Styrene	23.69	1841	5874	7404.71	PPB	84
46)	BROMOFLUOROBENZENE	24.61	1914	41245	67878.70 109	PPB	72
50)	1,2-Dichlorobenzene	27.13	2113	468	784.17	PPB	75

* Compound is ISTD

TOTAL ION CHROMATOGRAM



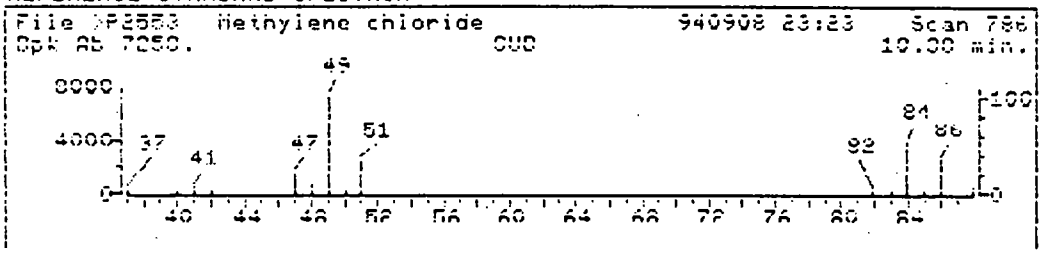
Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250UL/JS

Id File: IDCCN1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

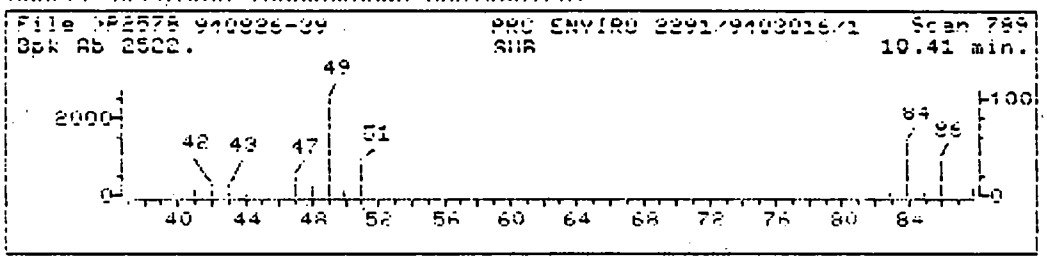
Operator ID: BUBBA
Quant Time: 940909 15:44
Injected at: 940909 15:14

REFERENCE
File

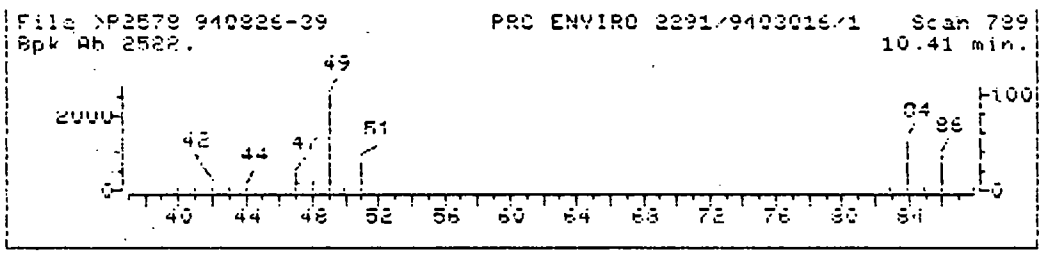
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



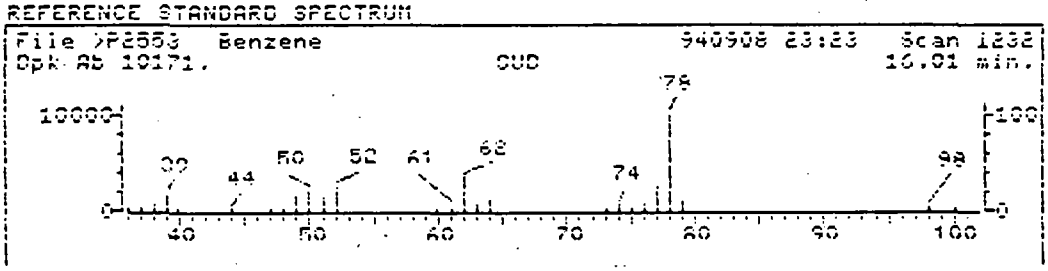
SAMPLE SPECTRUM (UNALTERED)



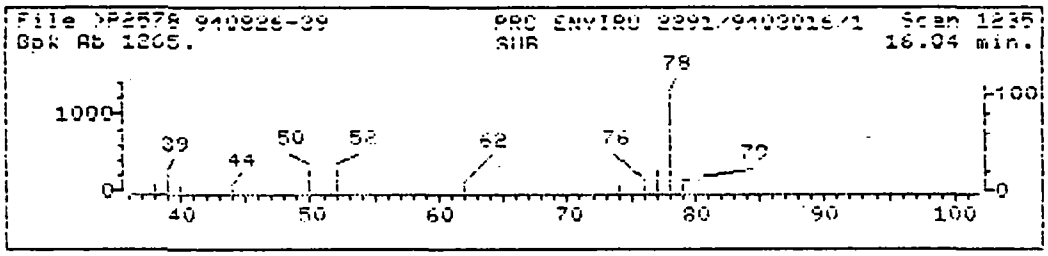
Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940926-39
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 789
Retention Time: 10.41 min.
Quant Ion: 84.0
Area: 10348
Concentration: 13858.60 PPB
q-value: 79

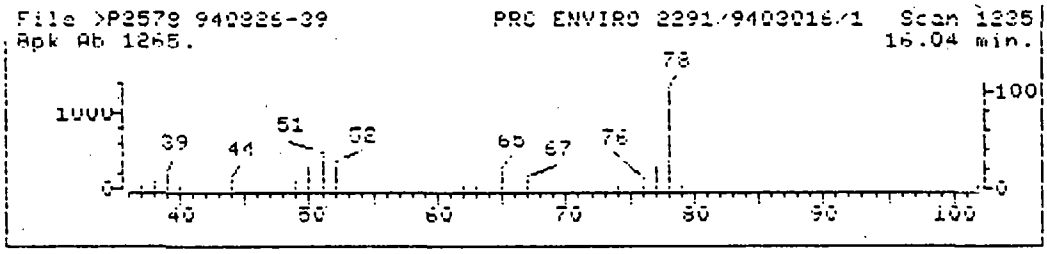
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

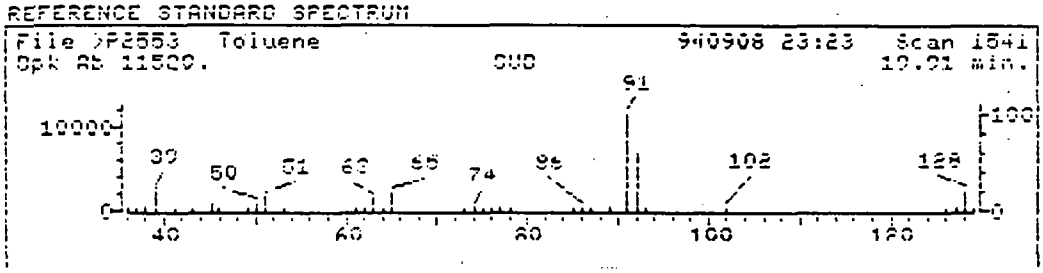


Data File: >F2578::A5 Quant Output File: ^F2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/05
Quant Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

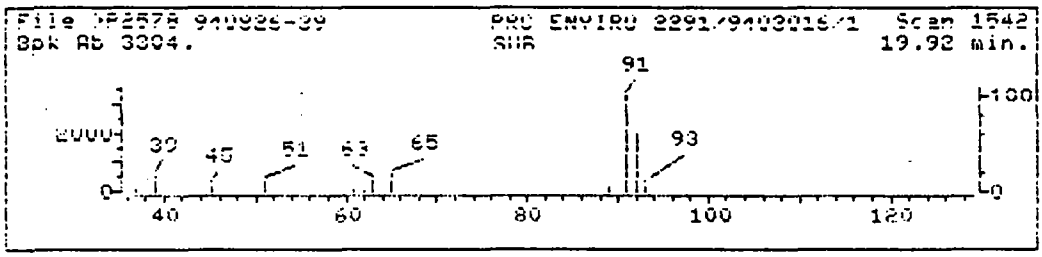
Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 7811
Concentration: 7040.15 PPB
q-value: 100

REFERENCE ST
File >F255
Ab 41

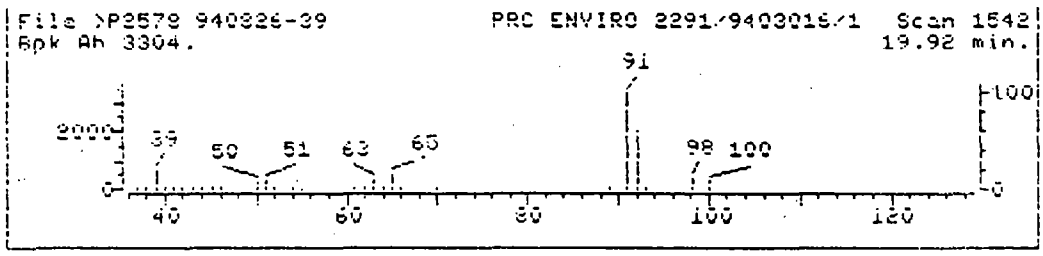
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 32
Compound Name: Toluene
Scan Number: 1542
Retention Time: 19.92 min.
Quant Ion: 91.0
Area: 19083
Concentration: 16938.23 PPB
q-value: 93

REFERENCE
File >P25
Bpk Ab 40

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 01:43
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	0.28	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	0.55*	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000519

QUANT REPORT

Operator ID: JULES
Output File: ^G6405::A2
Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL

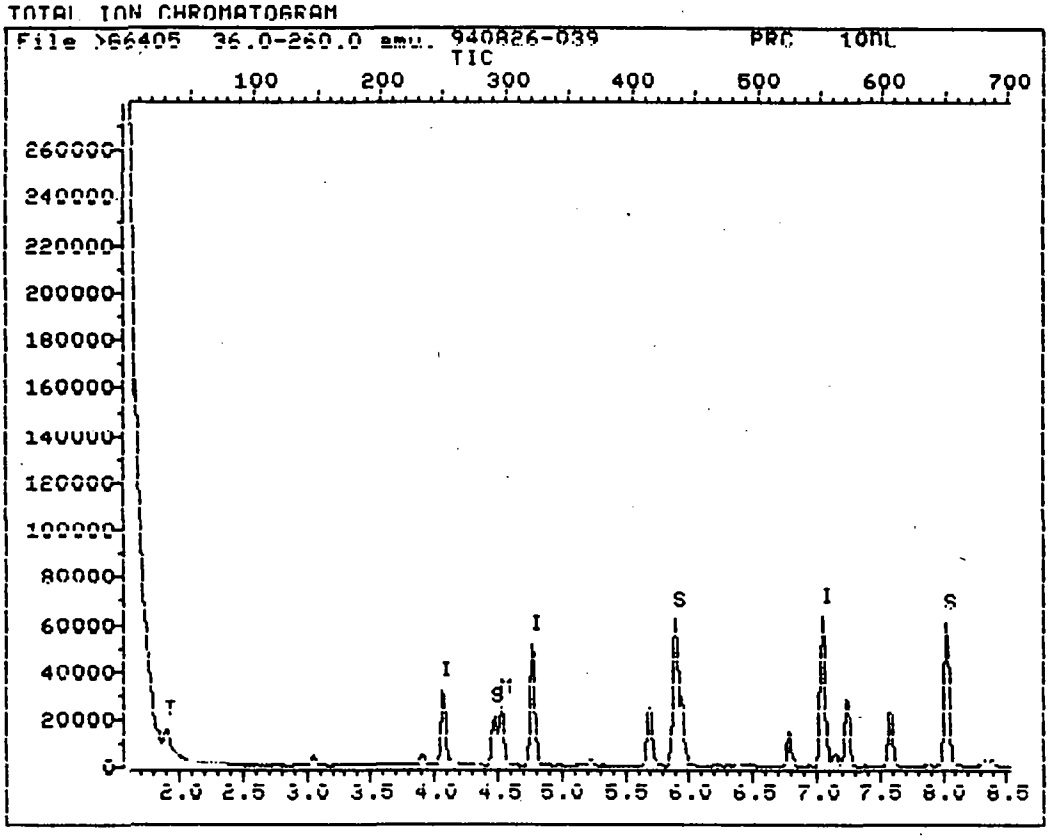
Quant Rev: 6 Quant Time: 940831 15:26
Injected at: 940828 01:43
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940830 15:57

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	10075	50.00	ug/L	77
3)	Vinyl chloride	1.91	31	13525	550.23	ug/L	95
20)	*1,4-DIFLUOROBENZENE	4.77	321	57063	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.48	291	19842	559.01	ug/L	86
24)	Benzene	4.54	297	24930	275.87	ug/L	100
31)	TOLUENE-D8	5.90	435	60477	531.98	ug/L	93
35)	*CHLOROBENZENE-D5	7.05	552	50849	50.00	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.03	651	34011	521.24	ug/L	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM



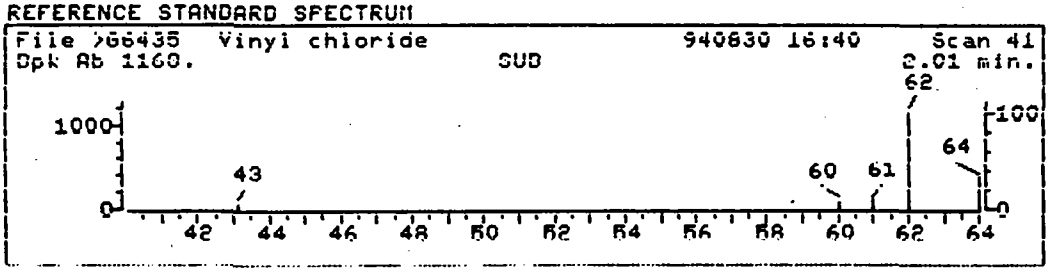
Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL

Quant Output File: ^G6405::A2

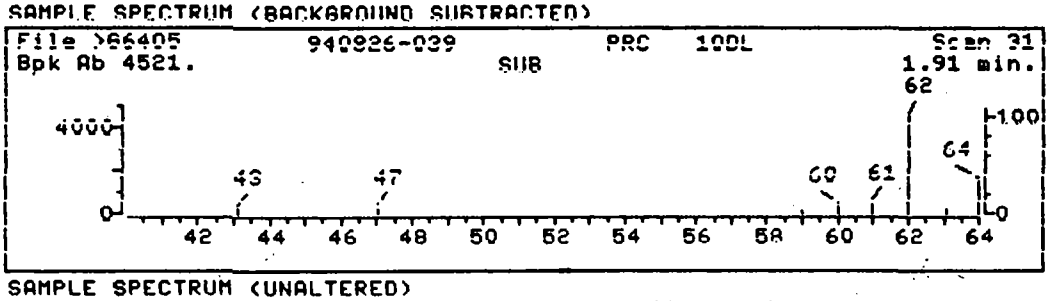
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940830 15:57

Operator ID: JULES
Quant Time: 940831 15:26
Injected at: 940828 01:43

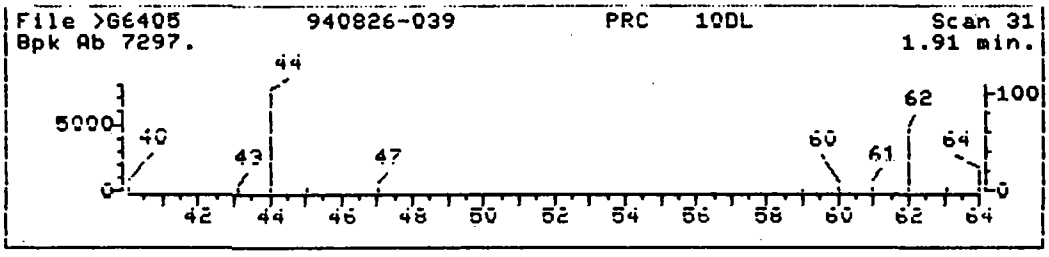
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



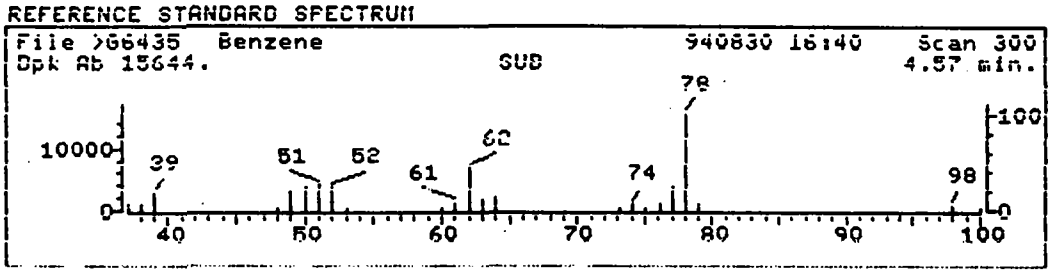
Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL
Quant Time: 940831 15:26
Injected at: 940828 01:43

Quant Output File: ^G6405::A2

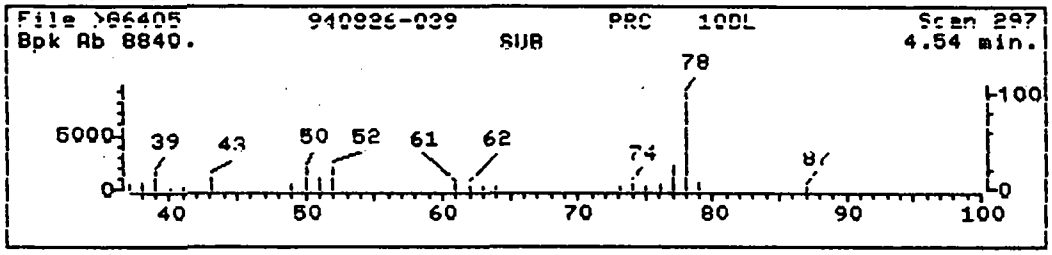
Quant ID File: IDINW2::A3
Last Calibration: 940830 15:57

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 31
Retention Time: 1.91 min.
Quant Ion: 62.0
Area: 13525
Concentration: 550.23 ug/L
q-value: 95

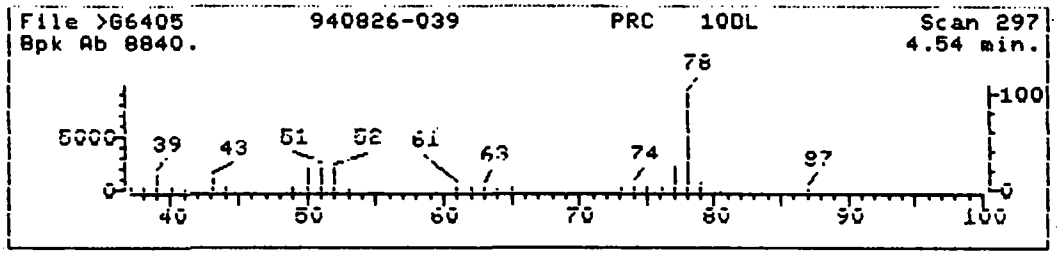
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL
Quant Time: 940831 15:26
Injected at: 940828 01:43

Quant Output File: ^G6405::A2

Quant ID File: 1D1NW2::A3
Last Calibration: 940830 15:57

Compound No: 24
Compound Name: Benzene
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 24930
Concentration: 275.87 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: hjp ANALYSIS DATE: 09/08/94 METHOD: 8240
ANALYSIS TIME: 21:03 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		162	2500	12.5
Bromoform	<	DL	2500	12.5
Carbon tetrachloride	<	DL	2500	12.5
Chlorobenzene	<	DL	2500	12.5
Chlorodibromomethane	<	DL	2500	12.5
Chloroethane	<	DL	2500	12.5
2-Chloroethylvinyl ether	<	DL	2500	12.5
Chloroform	<	DL	2500	12.5
1,2-Dichlorobenzene	<	DL	2500	12.5
1,4-Dichlorobenzene	<	DL	2500	12.5
1,3-Dichlorobenzene	<	DL	2500	12.5
Dichlorobromomethane	<	DL	2500	12.5
1,1-Dichloroethane	<	DL	2500	12.5
1,2-Dichloroethane	<	DL	2500	12.5
1,1-Dichloroethene	<	DL	2500	12.5
trans-1,2-Dichloroethene	<	DL	2500	12.5
1,2-Dichloropropane	<	DL	2500	12.5
1,3-Dichloropropylene	<	DL	2500	12.5
trans-1,3-Dichloropropene	<	DL	2500	12.5
Ethylbenzene		55.6	2500	12.5
Methyl bromide	<	DL	2500	12.5
Methyl chloride	<	DL	2500	12.5
Methylene chloride		37.7	2500	12.5
1,1,2,2-Tetrachloroethane	<	DL	2500	12.5
Tetrachloroethene		40.7	2500	12.5
Toluene		230	2500	12.5
1,1,1-Trichloroethane	<	DL	2500	12.5
1,1,2-Trichloroethane	<	DL	2500	12.5
Trichloroethene	<	DL	2500	12.5
Trichlorofluoromethane	<	DL	2500	12.5
Vinyl chloride	<	DL	2500	12.5
Total Xylene		1220	2500	12.5

0000524

QUANT REPORT

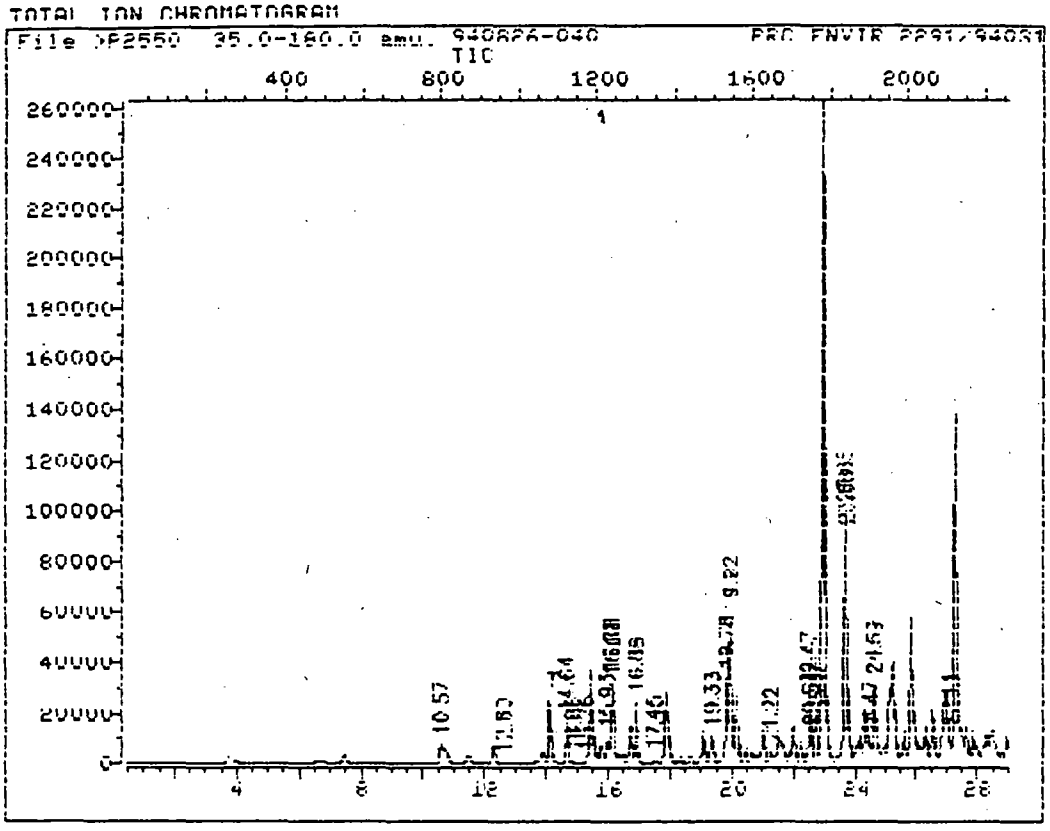
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940908 21:33
Output File: ^P2550::D1 Injected at: 940908 21:03
Data File: >P2550::D2 Dilution Factor: 2500.000
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.64	1124	11709	50.00	PPB	8
11)	Methylene chloride	10.57	801	9274	37656.69	PPB	7
14)	1,1-Dichloroethane	12.60	962	1745	4565.74	PPB	8
16)	cis-1,2-Dichloroethylene	14.09	1080	58224	79487.60	PPB	8
18)	Chloroform	14.86	1141	522	1451.16	PPB	9
19)	1,1,1-Trichloroethane	15.26	1173	937	3431.07	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.88	1301	54198	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	15.93	1226	15542	130326.2	PPB	8
23)	1,2-Dichloroethane	16.09	1239	1631	7552.79	PPB	8
24)	Benzene	16.08	1238	77022	161653.4	PPB	10
25)	Trichloroethene	17.45	1346	1365	7569.99	PPB	9
30)	4-Methyl-2-pentanone	19.33	1495	18381	116897.2	PPB	4
31)	TOLUENE-D8	19.76	1531	43835	132236.6	PPB	9
32)	Toluene	19.92	1542	111480	229785.7	PPB	9
35)	*CHLOROBENZENE-D5	22.47	1744	40177	50.00	PPB	9
36)	Tetrachloroethene	20.86	1674	8506	40696.48	PPB	9
38)	2-Hexanone	21.22	1645	3405	36333.92	PPB	4
40)	Chlorobenzene	22.54	1749	797	2343.76	PPB	8
41)	Ethyl benzene	22.71	1763	8897	55574.45	PPB	9
42)	p,m-Xylene	22.93	1780	16644/M	926623.9	PPB	9
43)	o-Xylene	23.65	1837	61461	298667.6	PPB	9
44)	Styrene	23.68	1839	25782	74482.63	PPB	6
46)	BROMOFLUOROBENZENE	24.59	1911	38364	150108.0	PPB	6
47)	1,1,2,2-Tetrachloroethane	24.47	1902	135	554.27	PPB	5
50)	1,2-Dichlorobenzene	27.11	2110	436	1663.13	PPB	9

* Compound is ISTD

TOTAL ION CHROMATOGRAM

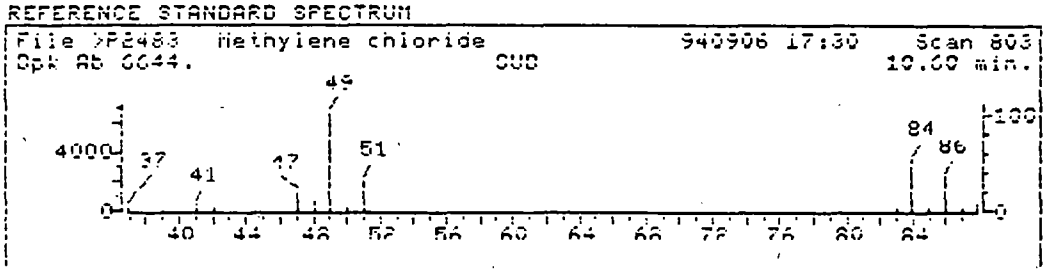


Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS

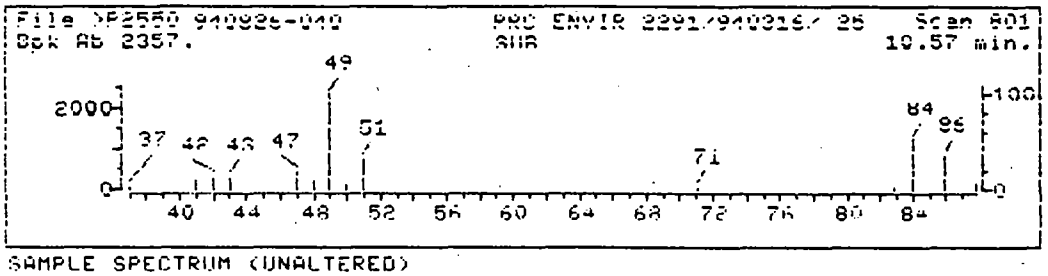
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

Operator ID: BUBBA
Quant Time: 940908 21:33
Injected at: 940908 21:03

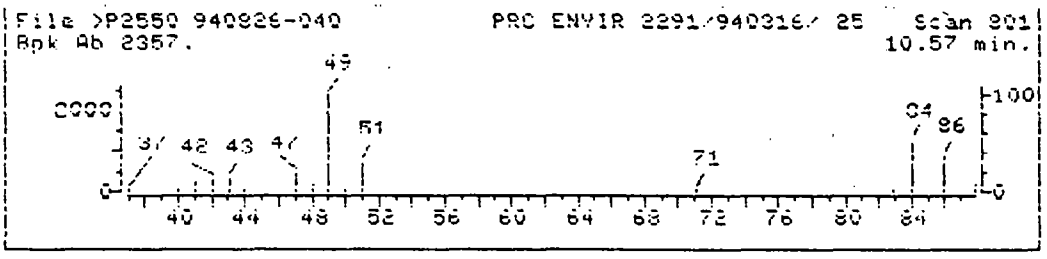
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

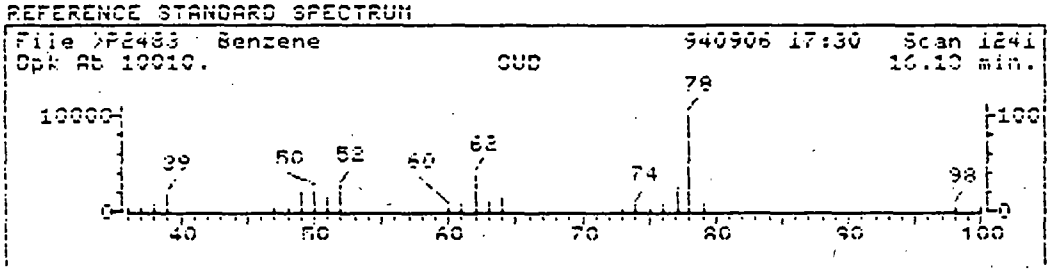


Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCCW1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

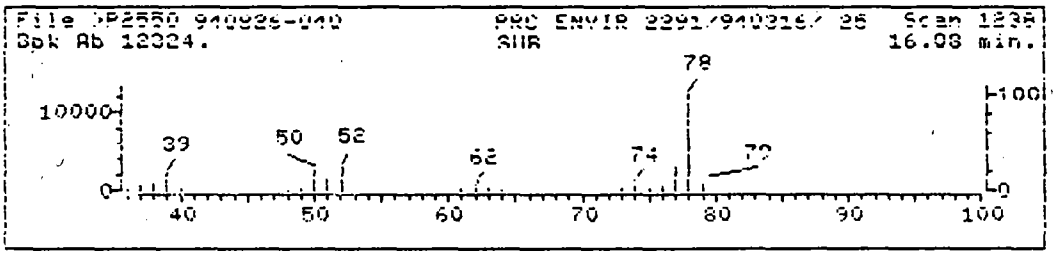
Compound No: 11
Compound Name: Methylene chloride
Scan Number: 801
Retention Time: 10.57 min.
Quant Ion: 84.0
Area: 9274
Concentration: 37656.69 PPB
q-value: 78

0000527

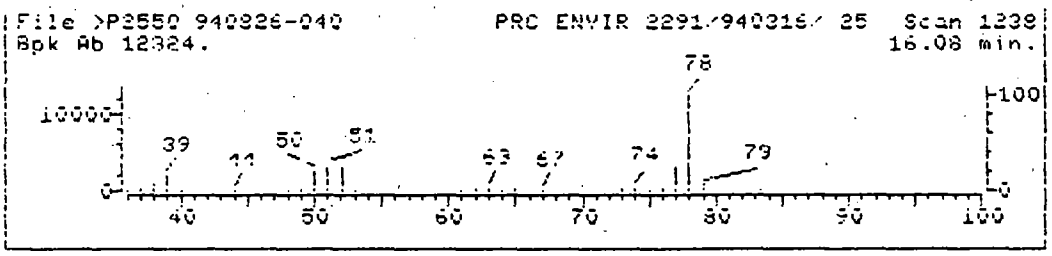
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



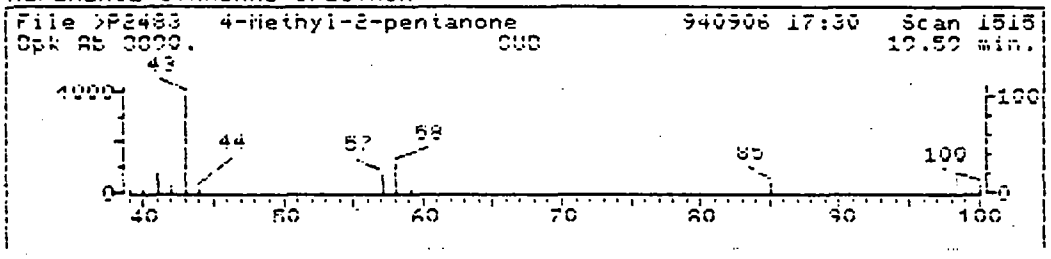
SAMPLE SPECTRUM (UNALTERED)



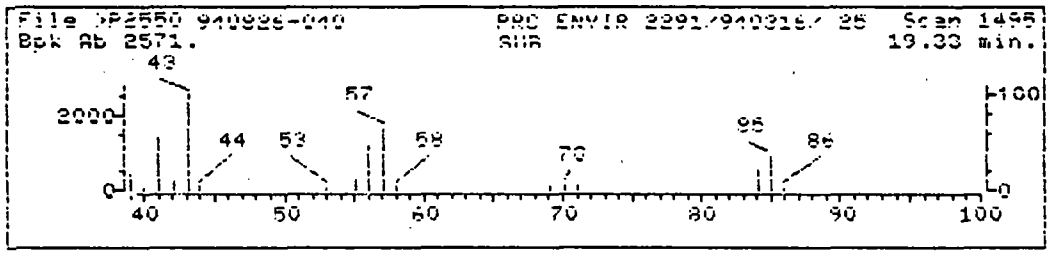
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCOM1::B3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 24
Compound Name: Benzene
Scan Number: 1238
Retention Time: 16.08 min.
Quant Ion: 78.0
Area: 77022
Concentration: 161653.4 PPB
q-value: 100

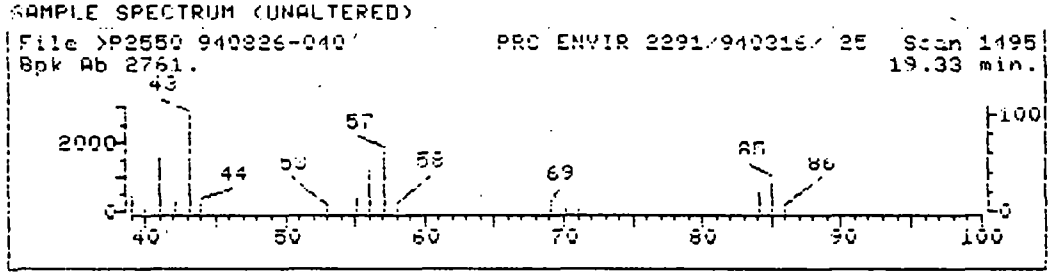
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

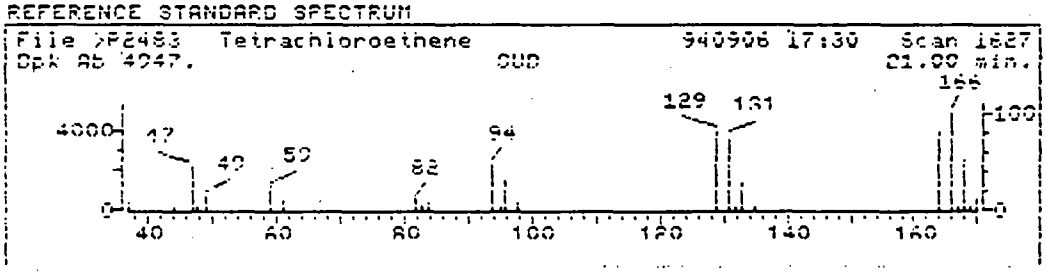


Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/J5
Quant Time: 940908 21:33 Quant ID File: IDC001::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

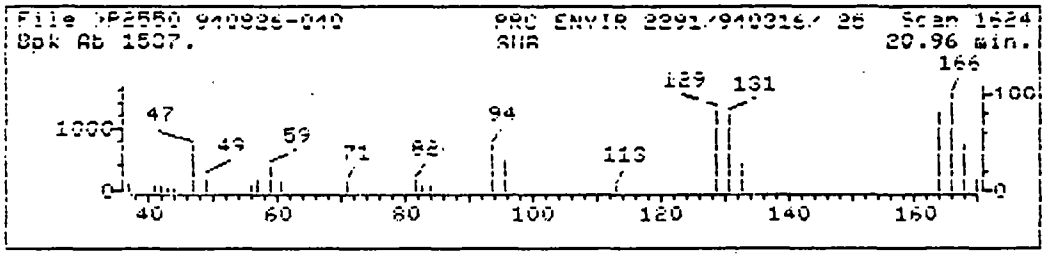
Compound No: 30
Compound Name: 4-Methyl-2-pentanone
Scan Number: 1495
Retention Time: 19.33 min.
Quant Ion: 43.0
Area: 18391
Concentration: 11689.2 PPB
q-value: 45

REFERENCE

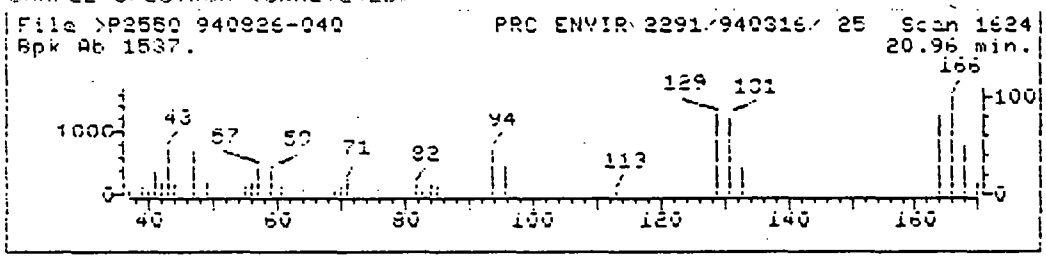
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



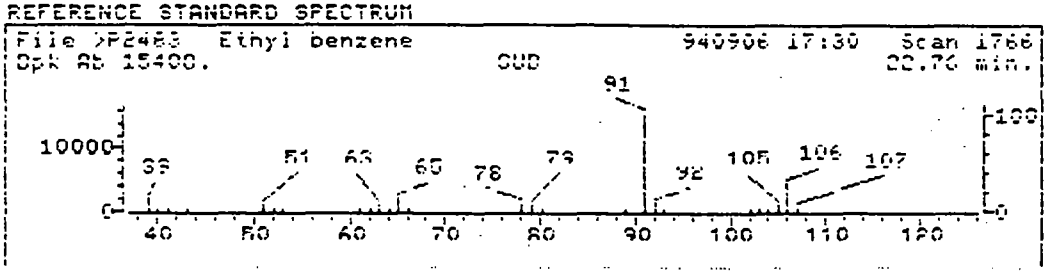
SAMPLE SPECTRUM (UNALTERED)



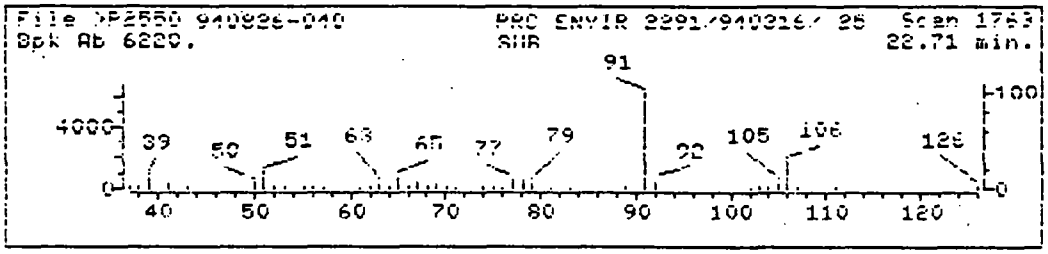
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCOM1::A5
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1624
Retention Time: 20.96 min.
Quant Ion: 164.0
Area: 6556
Concentration: 40696.48 PPB
q-value: 99

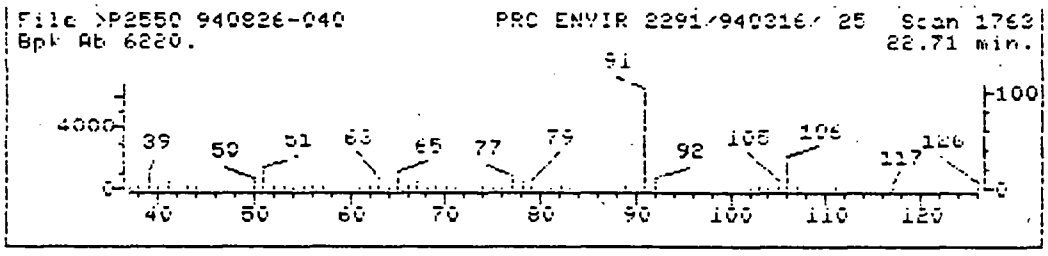
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



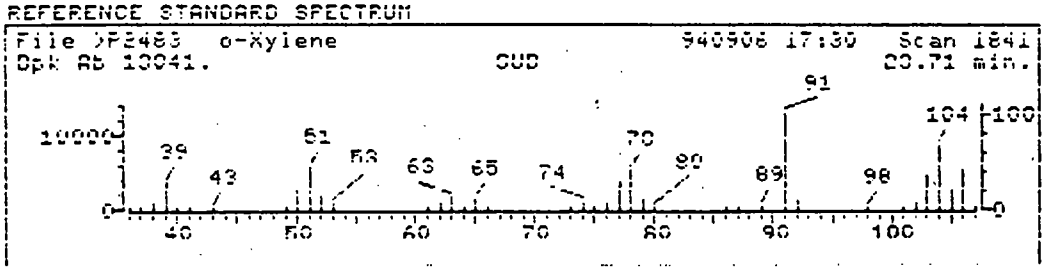
SAMPLE SPECTRUM (UNALTERED)



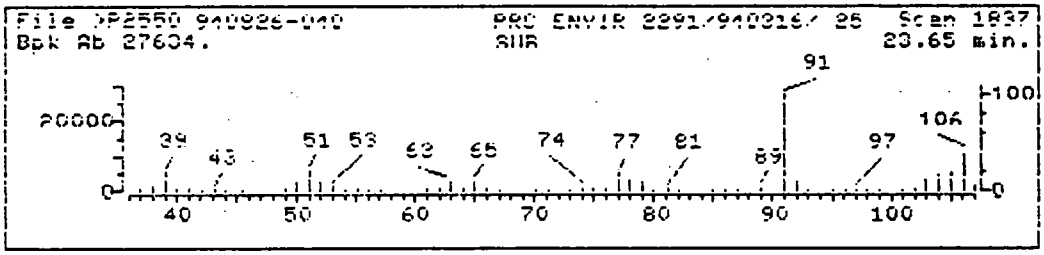
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCOM1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1763
Retention Time: 22.71 min.
Quant Ion: 106.0
Area: 6897
Concentration: 5557.45 PPB
q-value: 96

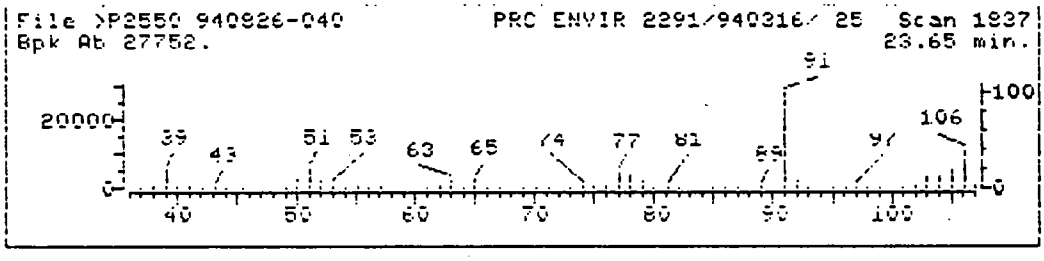
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



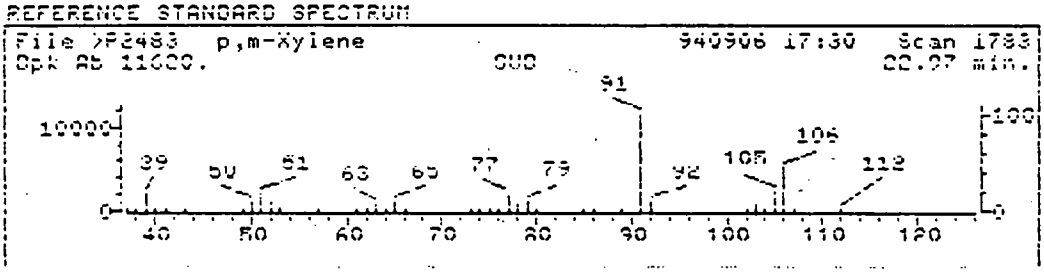
SAMPLE SPECTRUM (UNALTERED)



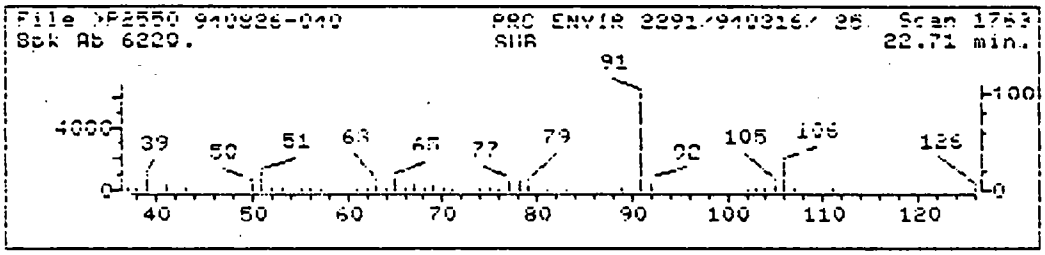
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCCW1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1837
Retention Time: 23.65 min.
Quant Ion: 106.0
Area: 61461
Concentration: 29866/.6 PPB
q-value: 95

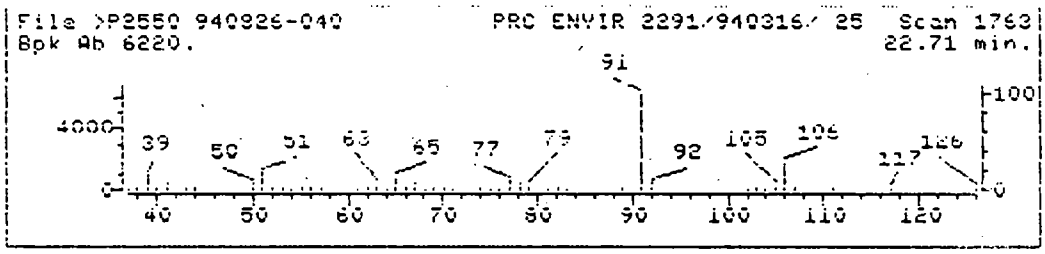
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: 1DCCN1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1763
Retention Time: 22.71 min.
Quant Ion: 106.0
Area: 8892
Concentration: 44217.24 PPB
q-value: 99

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:30
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*2.25	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	0.21	0.5	0.05	10	8240
1,1-Dichloroethylene	0.08	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.12	0.7	0.05	10	8240
Trichloroethylene	0.08	0.5	0.05	10	8240
Vinyl chloride	*0.83	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000534

QUANT REPORT

Operator ID: JULES
Output File: ^G6410::SC
Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL

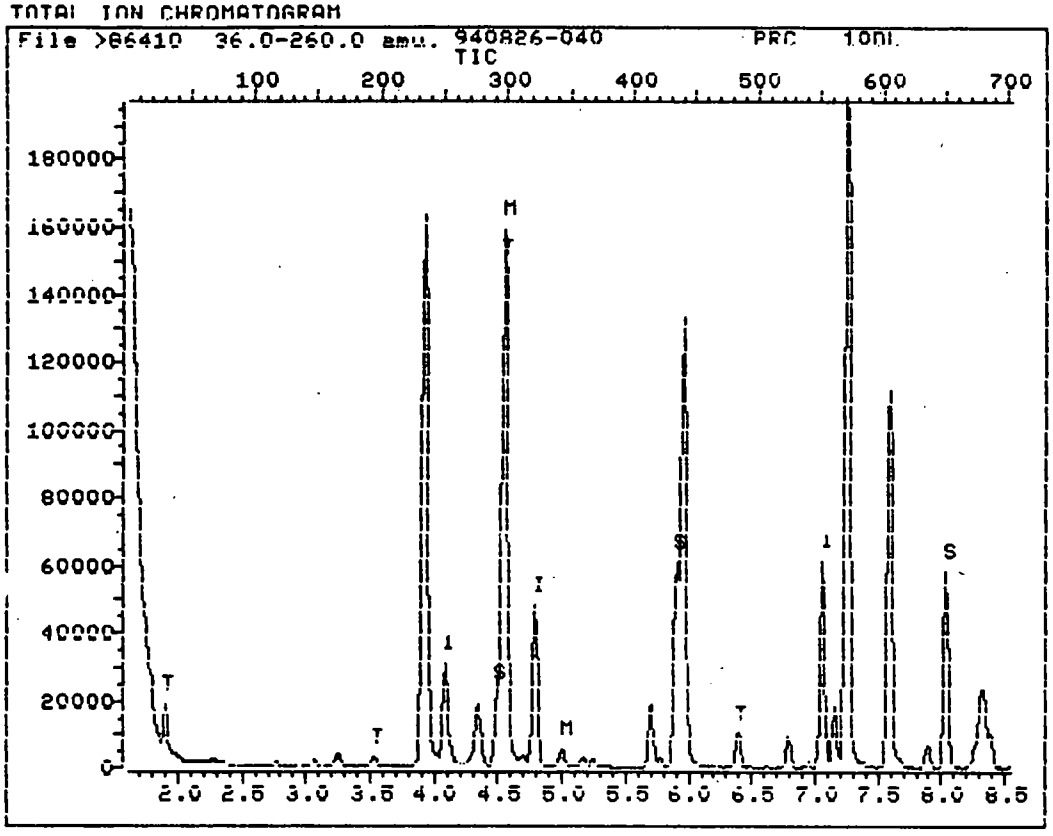
Quant Rev: 6 Quant Time: 940830 11:53
Injected at: 940828 03:30
Dilution Factor: 10.00000

ID File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9724	50.00	ug/L	63
3)	Vinyl chloride	1.90	30	11469	826.11	ug/L	95
14)	1,1-Dichloroethane	3.53	195	4883	81.12	ug/L	90
20)	*1,4-DIFLUOROBENZENE	4.78	322	51953	50.00	ug/L	92
22)	1,2-DICHLOROETHANE-D4	4.49	292	19019	546.85	ug/L	87
23)	1,2-Dichloroethane	4.54	297	7454	212.11	ug/L	95
24)	Benzene	4.55	298	187569	2246.07	ug/L	100
25)	Trichloroethene	5.00	344	2565	79.13	ug/L	96
31)	TOLUENE-D8	5.90	435	54873	545.71	ug/L	98
35)	*CHLOROBENZENE-D5	7.06	552	47518	50.00	ug/L	99
36)	Tetrachloroethene	6.39	485	3863	119.09	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.03	651	32432	511.57	ug/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

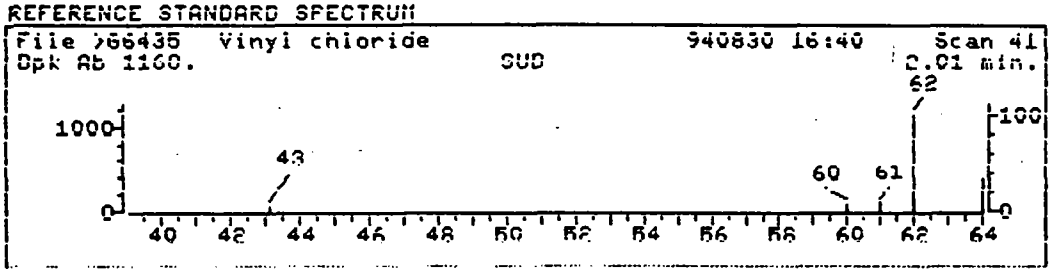


Data File: >G6410::A4 Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL

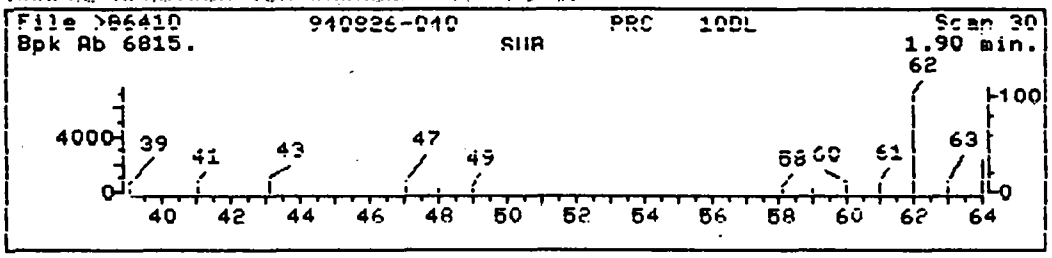
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:53
Injected at: 940828 03:30

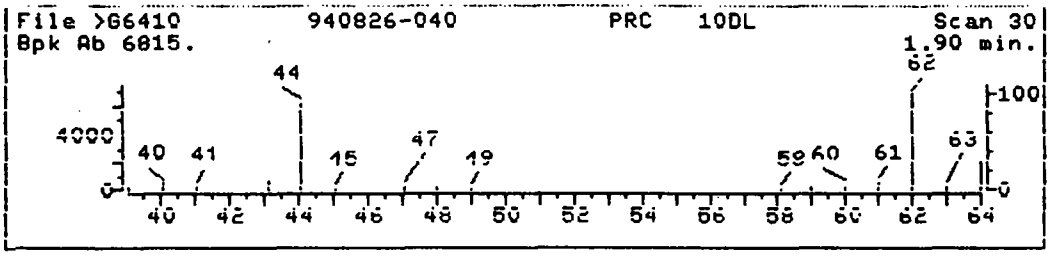
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

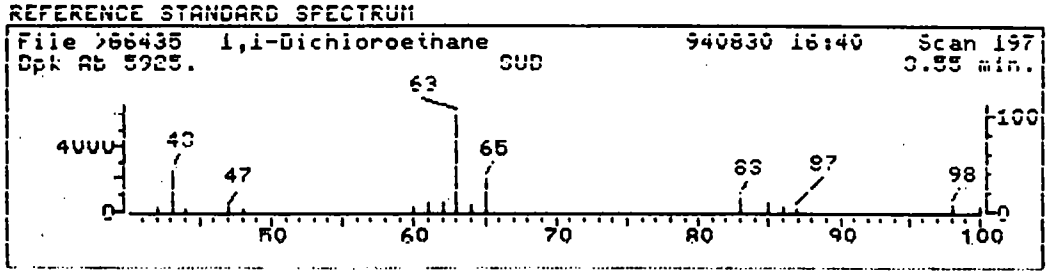


Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

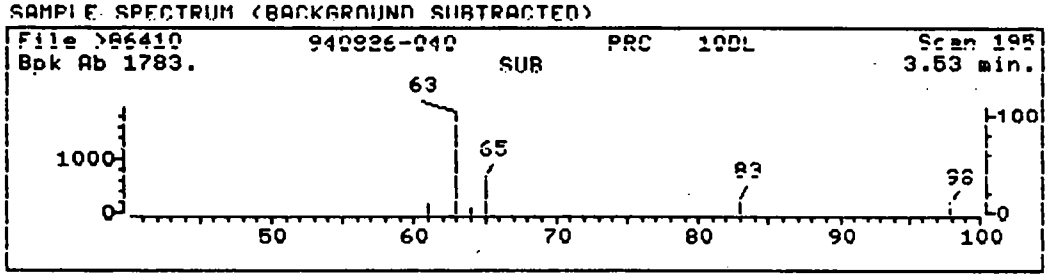
Quant Output File: ^G6410::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 11469
Concentration: 826.11 ug/L
q-value: 95

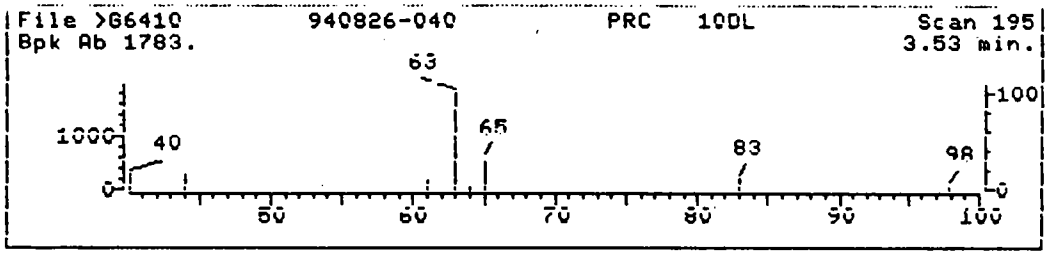
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



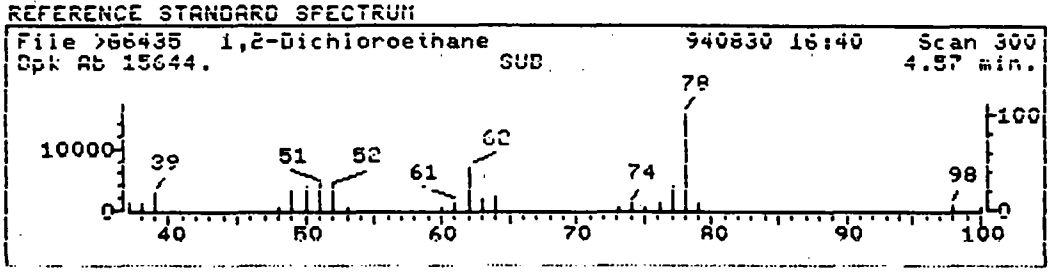
SAMPLE SPECTRUM (UNALTERED)



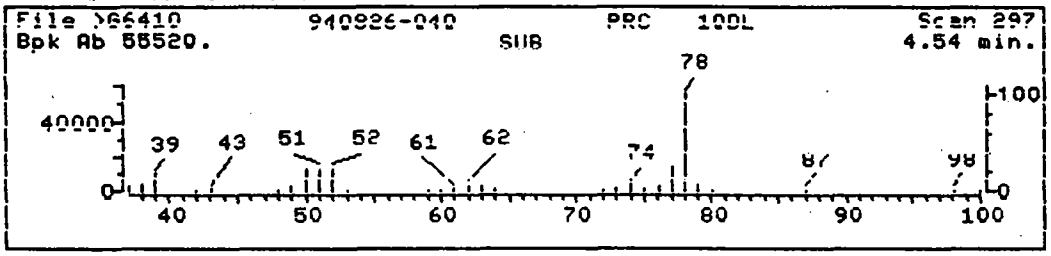
Data File: >G6410::A4 Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53 Quant ID File: ID1NW2::A3
Injected at: 940828 03:30 Last Calibration: 940828 01:25

Compound No: 14
Compound Name: 1,1-Dichloroethane
Scan Number: 195
Retention Time: 3.53 min.
Quant Ion: 63.0
Area: 4883
Concentration: 81.12 ug/L
q-value: 90

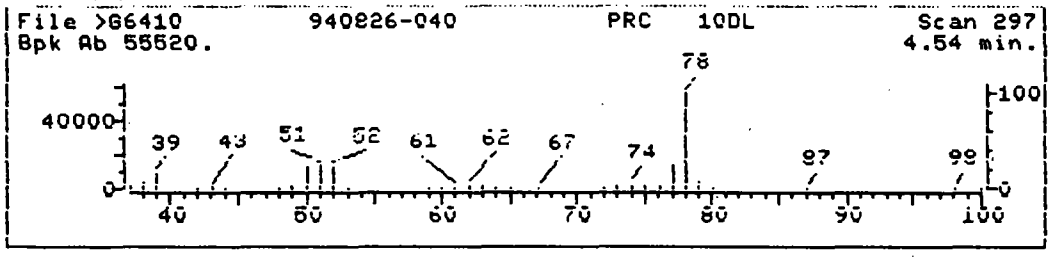
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

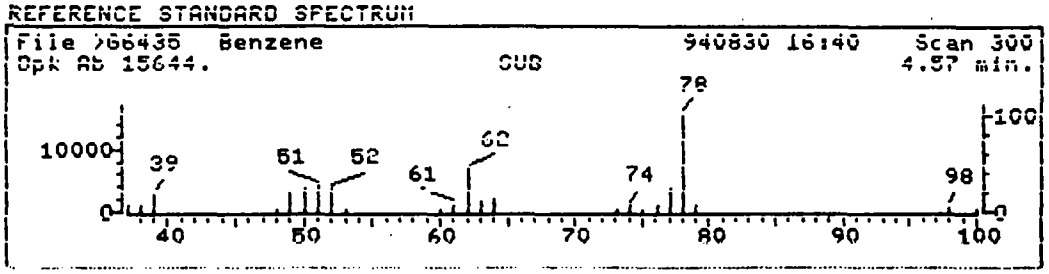


Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

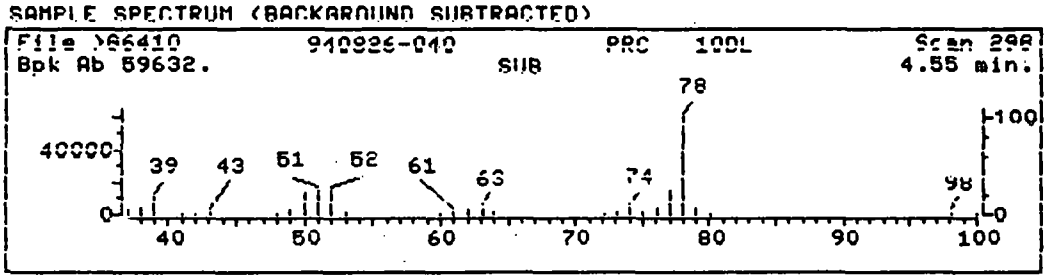
Quant Output File: ^G6410::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 23
Compound Name: 1,2-Dichloroethane
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 62.0
Area: 7454
Concentration: 212.11 ug/L
q-value: 95

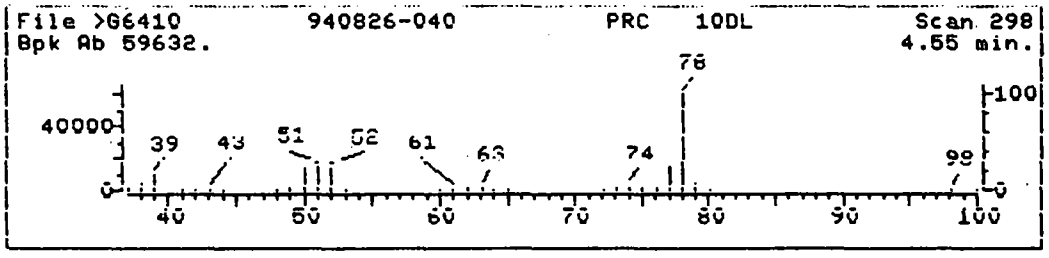
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

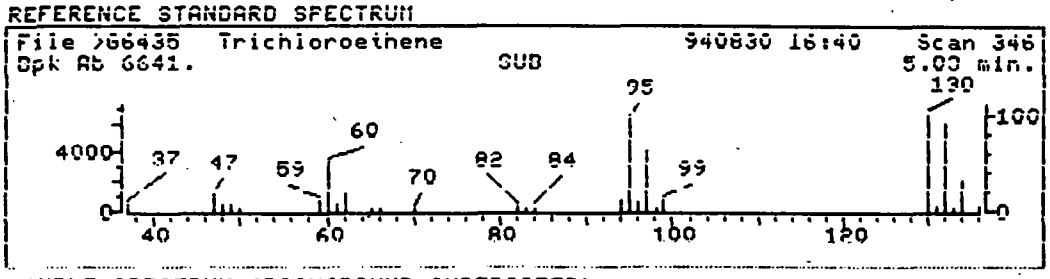


Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

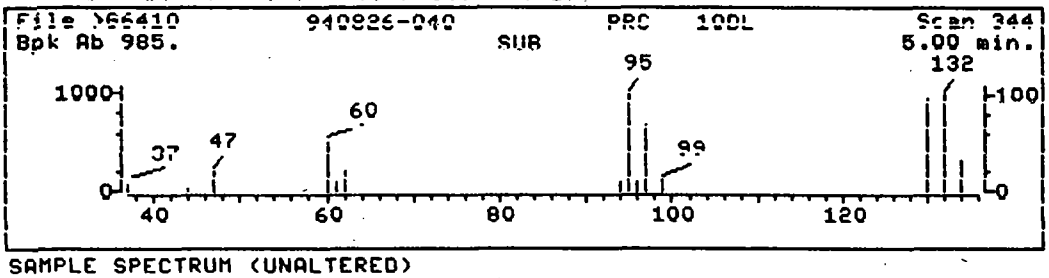
Quant Output File: ^G6410::SC
Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 187569
Concentration: 2246.07 ug/L
q-value: 100

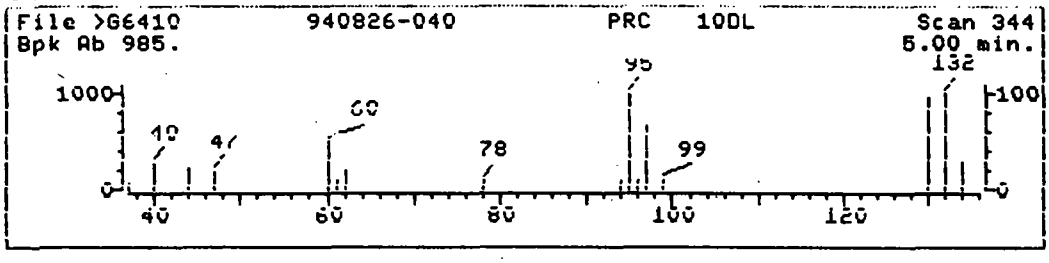
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



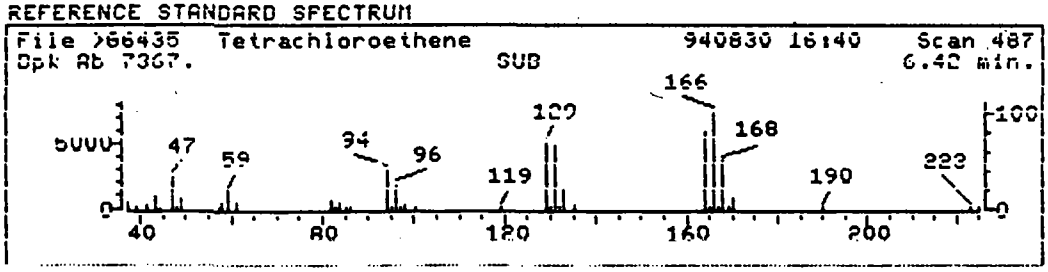
Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

Quant Output File: ^G6410::SC

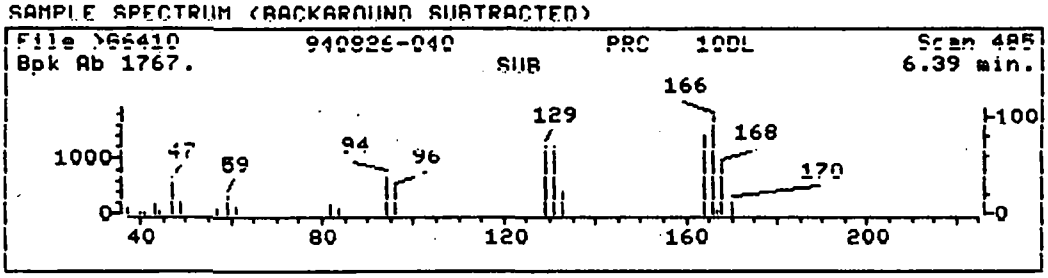
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 25
Compound Name: Trichloroethene
Scan Number: 344
Retention Time: 5.00 min.
Quant Ion: 130.0
Area: 2565
Concentration: 79.13 ug/L
q-value: 96

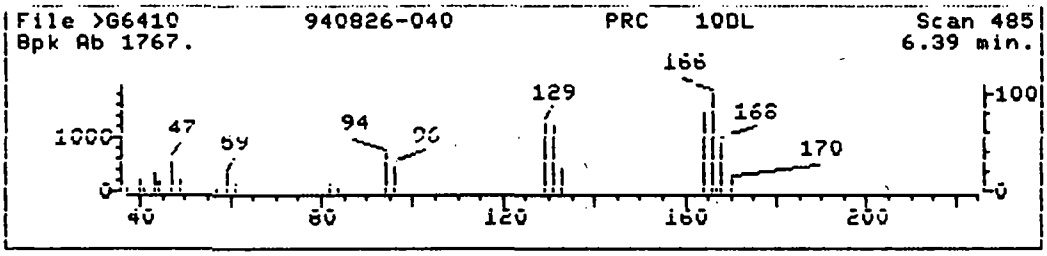
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6410::A4 Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53 Quant ID File: ID1NW2::A3
Injected at: 940828 03:30 Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 3863
Concentration: 119.09 ug/L
q-value: 98

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 04:20 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	125	0.625
Bromoform	< DL	125	0.625
Carbon tetrachloride	< DL	125	0.625
Chlorobenzene	< DL	125	0.625
Chlorodibromomethane	< DL	125	0.625
Chloroethane	< DL	125	0.625
2-Chloroethylvinyl ether	< DL	125	0.625
Chloroform	< DL	125	0.625
1,2-Dichlorobenzene	< DL	125	0.625
1,4-Dichlorobenzene	< DL	125	0.625
1,3-Dichlorobenzene	< DL	125	0.625
Dichlorobromomethane	< DL	125	0.625
1,1-Dichloroethane	< DL	125	0.625
1,2-Dichloroethane	< DL	125	0.625
1,1-Dichloroethene	< DL	125	0.625
trans-1,2-Dichloroethene	< DL	125	0.625
1,2-Dichloropropane	< DL	125	0.625
1,3-Dichloropropylene	< DL	125	0.625
trans-1,3-Dichloropropene	< DL	125	0.625
Ethylbenzene	< DL	125	0.625
Methyl bromide	< DL	125	0.625
Methyl chloride	< DL	125	0.625
Methylene chloride	1.63	125	0.625
1,1,2,2-Tetrachloroethane	< DL	125	0.625
Tetrachloroethene	< DL	125	0.625
Toluene	< DL	125	0.625
1,1,1-Trichloroethane	< DL	125	0.625
1,1,2-Trichloroethane	< DL	125	0.625
Trichloroethene	< DL	125	0.625
Trichlorofluoromethane	< DL	125	0.625
Vinyl chloride	< DL	125	0.625
Total Xylene	< DL	125	0.625

0000543

QUANT REPORT

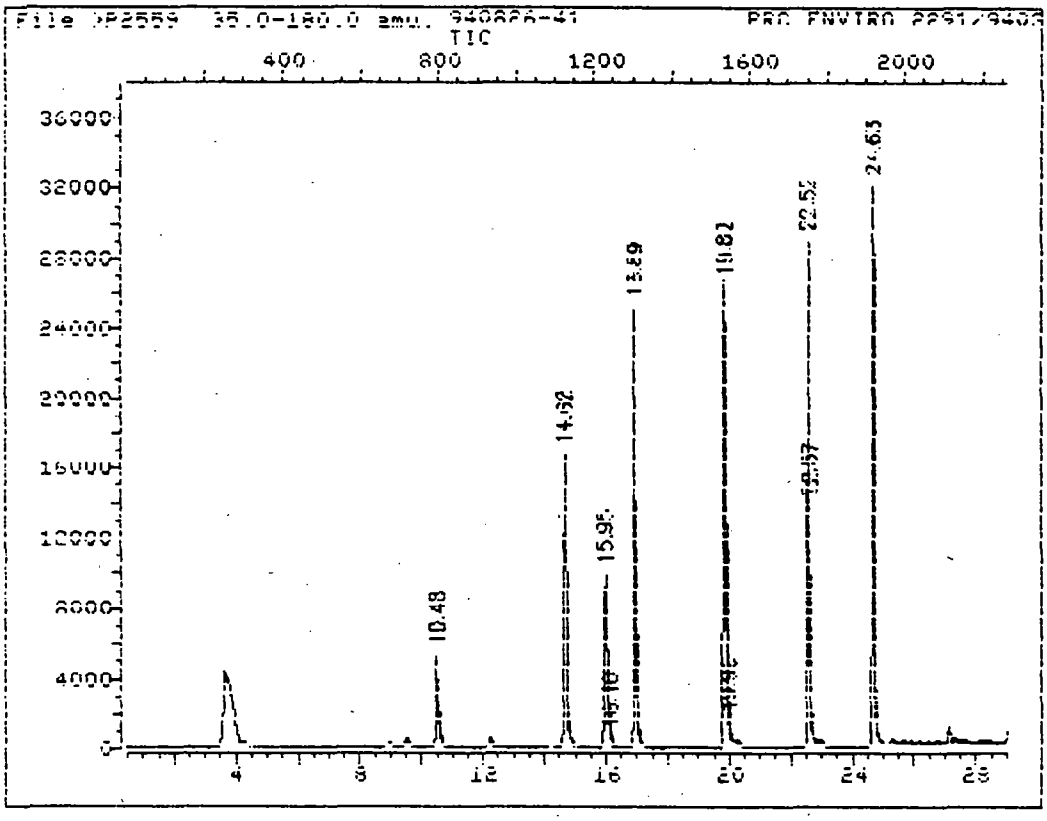
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 04:50
Output File: ^F2559::D1 Injected at: 940909 04:20
Data File: >F2559::D2 Dilution Factor: 125.0000
Name: 940826-41
Misc: PRC ENVIRO 2291/9403016/125DL /JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	12479	50.00	PPB	7
11)	Methylene chloride	10.48	794	7977	1625.05	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.89	1302	57919	50.00	PPB	5
22)	1,2-DICHLOROETHANE-D4	15.95	1227	22045	6242.46/100	PPB	8
24)	Benzene	16.10	1239	285	28.13	PPB	10
31)	TOLUENE-D8	19.82	1534	50693	6461.66/103	PPB	3
32)	Toluene	19.96	1545	658	62.95	PPB	8
35)	*CHLOROBENZENE-D5	22.52	1748	43788	50.00	PPB	3
40)	Chlorobenzene	22.57	1752	882	115.67	PPB	8
46)	BROMOFLUOROBENZENE	24.83	1915	39907	6781.85/108	PPB	6

* Compound is ISTD

TOTAL ION CHROMATOGRAM



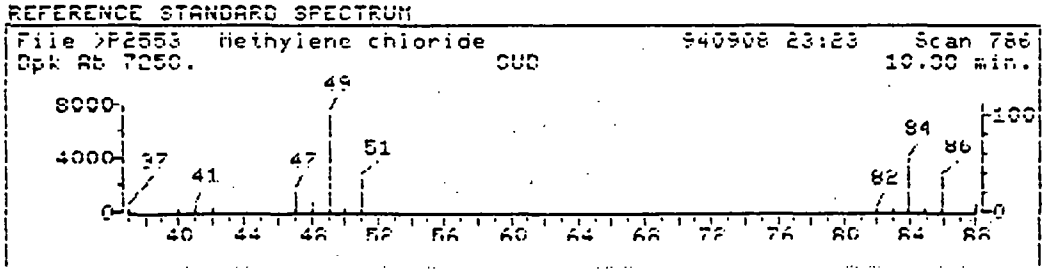
Data File: >P2559::D2 Quant Output File: ^P2559::D1
Name: 940826-41
Misc: PRO ENVIRO 2291/9403016/125DL /JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

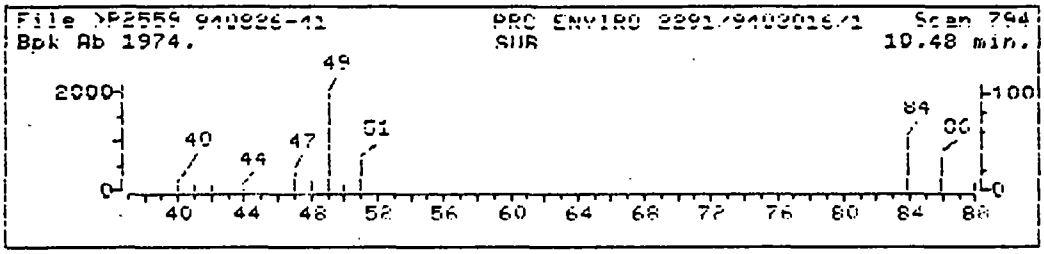
Operator ID: BUBBA
Quant Time: 940909 04:50
Injected at: 940909 04:20

Operator Input

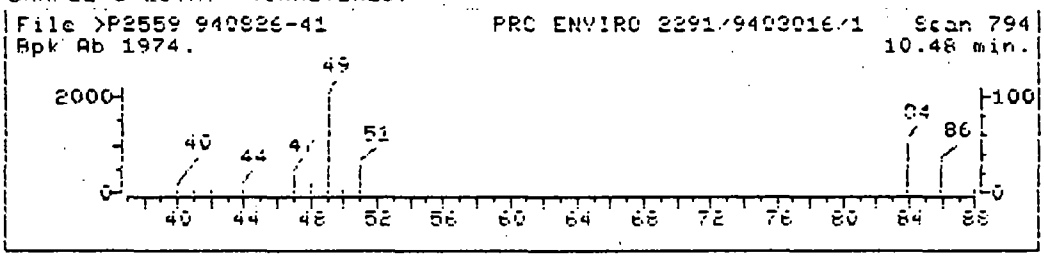
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2559::D2 Quant Output File: ^P2559::D1
Name: 940826-41
Misc: PRC ENVIRO 2291/9403016/125DL /J5
Quant Time: 940909 04:50 Quant ID File: IDCOM1::A3
Injected at: 940909 04:20 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 794
Retention Time: 10.48 min.
Quant Ion: 84.0
Area: 7977
Concentration: 1625.05 PPB
q-value: ??

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 07:19
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000547

QUANT REPORT

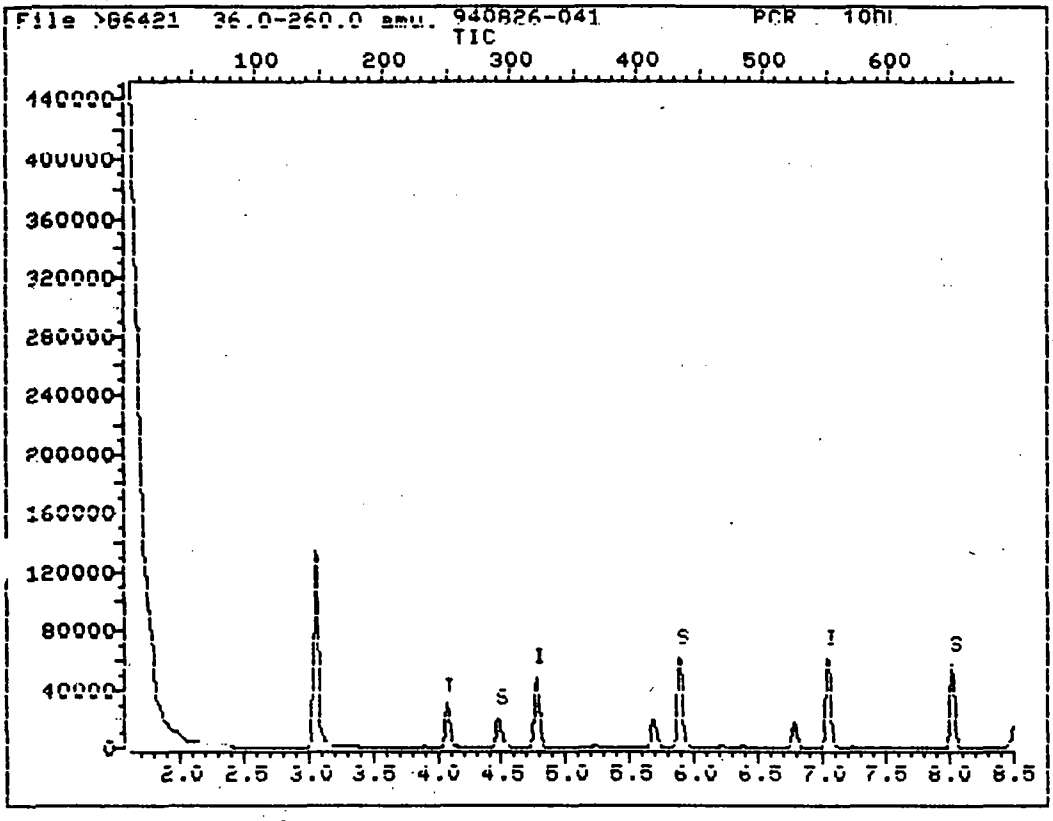
Operator ID: JULES Quant Rev: 6 Quant Time: 940830 13:24
Output File: ^G6421::SC Injected at: 940828 07:19
Data File: >G6421::A4 Dilution Factor: 10.00000
Name: 940826-041
Misc: PCR 10DL

ID File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	9625	50.00	ug/L	68
20)	*1,4-DIFLUOROBENZENE	4.77	321	53963	50.00	ug/L	95
22)	1,2-DICHLOROETHANE-D4	4.48	291	19079	528.15	ug/L	89
31)	TOLUENE-D8	5.89	434	57122	546.92	ug/L	96
35)	*CHLOROBENZENE-D5	7.04	551	48465	50.00	ug/L	94
46)	4-BROMOFLUOROBENZENE	8.03	651	31906	493.44	ug/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6421::A4 Quant Output File: ^G6421::SC
Name: 940826-041
Misc: PCR 10DL

Id File: 1D1NW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:24
Injected at: 940828 07:19

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 02:27 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	500	2.5
Bromoform	< DL	500	2.5
Carbon tetrachloride	< DL	500	2.5
Chlorobenzene	< DL	500	2.5
Chlorodibromomethane	< DL	500	2.5
Chloroethane	< DL	500	2.5
2-Chloroethylvinyl ether	< DL	500	2.5
Chloroform	< DL	500	2.5
1,2-Dichlorobenzene	< DL	500	2.5
1,4-Dichlorobenzene	< DL	500	2.5
1,3-Dichlorobenzene	< DL	500	2.5
Dichlorobromomethane	< DL	500	2.5
1,1-Dichloroethane	< DL	500	2.5
1,2-Dichloroethane	< DL	500	2.5
1,1-Dichloroethene	< DL	500	2.5
trans-1,2-Dichloroethene	< DL	500	2.5
1,2-Dichloropropane	< DL	500	2.5
1,3-Dichloropropylene	< DL	500	2.5
trans-1,3-Dichloropropene	< DL	500	2.5
Ethylbenzene	< DL	500	2.5
Methyl bromide	< DL	500	2.5
Methyl chloride	< DL	500	2.5
Methylene chloride	8.25	500	2.5
1,1,2,2-Tetrachloroethane	< DL	500	2.5
Tetrachloroethene	< DL	500	2.5
Toluene	< DL	500	2.5
1,1,1-Trichloroethane	< DL	500	2.5
1,1,2-Trichloroethane	< DL	500	2.5
Trichloroethene	< DL	500	2.5
Trichlorofluoromethane	< DL	500	2.5
Vinyl chloride	< DL	500	2.5
Total Xylene	< DL	500	2.5

QUANT REPORT

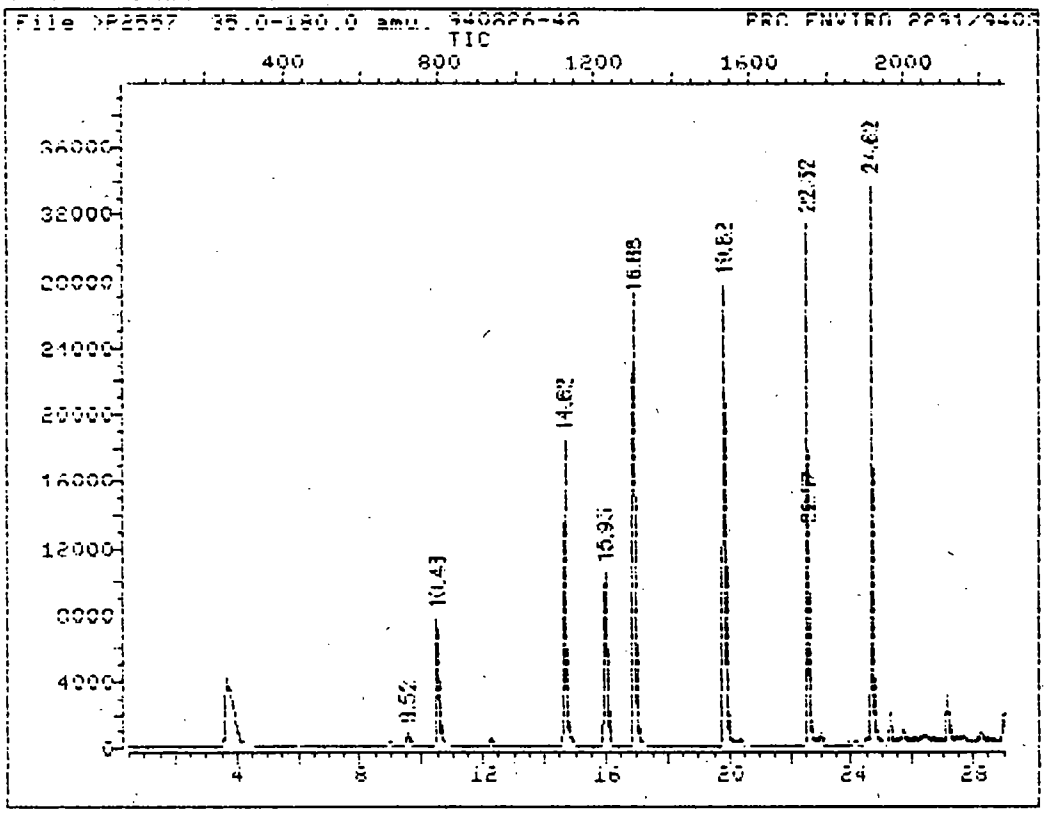
Operator ID: BURRA Quant Rev: 6 Quant Time: 940909 02:52
Output File: ^P2552::D1 Injected at: 940909 02:27
Data File: >P2552::D2 Dilution Factor: 500.0000
Name: 940826-48
Misc: PRC ENVIRO 2291/940830I6/500DL/JS

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	13756	50.00	PPB	7
9)	Carbon disulfide	9.52	718	8779	1329.52	PPB	9
11)	Methylene chloride	10.48	794	11159	8248.97	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.88	1301	83402	50.00	PPB	5
22)	1,2-DICHLOROETHANE-D4	15.93	1226	22718	23506.82 94	PPB	7
31)	TOLUENE-D8	19.82	1534	52055	24245.82 97	PPB	9
35)	*CHLOROBENZENE-D5	22.52	1748	47862	50.00	PPB	9
40)	Chlorobenzene	22.57	1752	856	410.82	PPB	9
46)	BROMOFLUOROBENZENE	24.62	1915	41508	25814.00 103	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P255?::D2 Quant Output File: ^P255?::D1
Name: 940826-48
Misc: PRC ENVIRO 2291/9403016/500DL/JS

Id File: IDCCW1::AS
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 02:57
Injected at: 940909 02:27

0000552

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Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:25
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.34	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.07	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000553

QUANT REPORT

Operator ID: JULES
Output File: ^G6407::SC
Data File: >G6407::A4
Name: 940826-U48
Misc: PRC 10DL

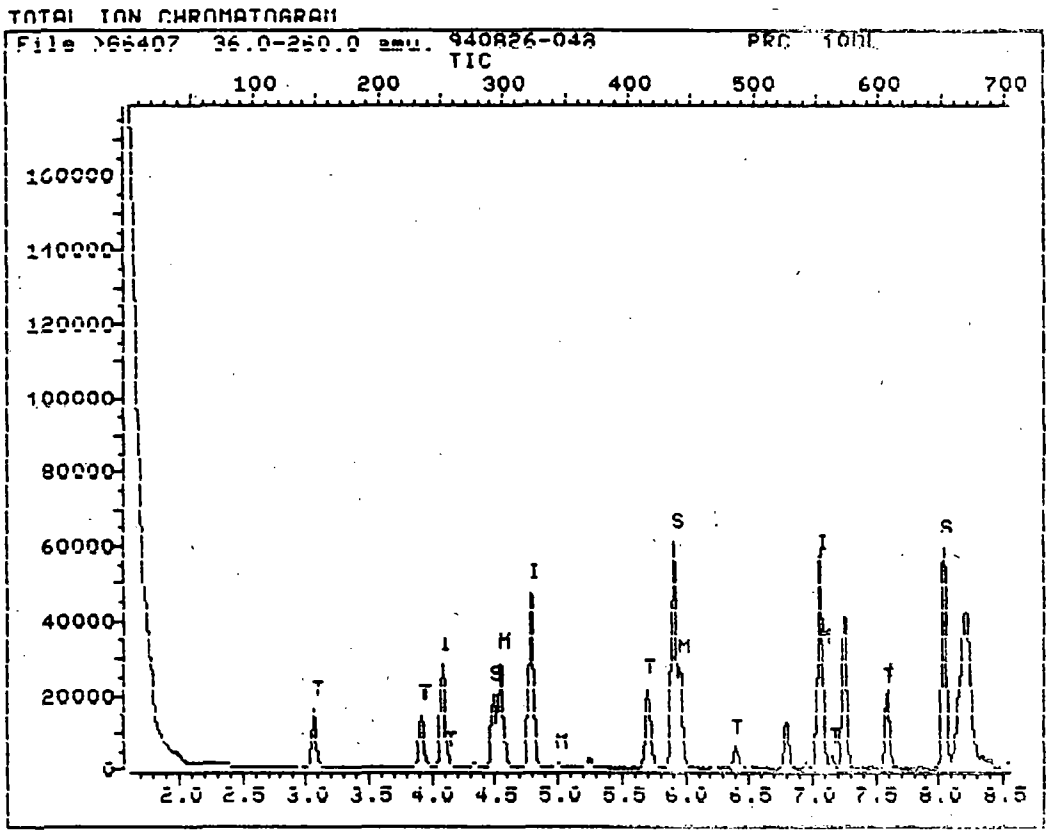
Quant Rev: 6 Quant Time: 940830 11:18
Injected at: 940828 02:25
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9766	50.00	ug/L	8
11)	Methylene chloride	3.06	148	7122	430.90 NT	ug/L	8
12)	t-1,2-Dichloroethene	3.91	234	8048	415.70 NT	ug/L	7
16)	cis-1,2-Dichloroethene	3.92	235	13137	243.99 NT	ug/L	9
18)	Chloroform	4.13	256	172	~~2.76~~	ug/L	8
20)	*1,4-DIFLUOROBENZENE	4.78	322	53913	50.00	ug/L	9
22)	1,2-DICHLOROETHANE-D4	4.49	292	18697	518.05	ug/L	8
24)	Benzene	4.54	298	29175	336.66	ug/L	10
25)	Trichloroethene	5.00	344	763	~~22.68~~	ug/L	9
30)	4-Methyl-2-pentanone	5.70	415	16627	NT ~~562.29~~	ug/L	4
31)	TOLUENE-D8	5.91	436	56928	545.57	ug/L	9
32)	Toluene	5.96	441	24752	NT ~~237.09~~	ug/L	9
35)	*CHLOROBENZENE-D5	7.05	552	46322	50.00	ug/L	9
36)	Tetrachloroethene	6.39	485	2170	68.62	ug/L	9
38)	2-Hexanone	5.70	415	16627	836.64	ug/L	4
40)	Chlorobenzene	7.08	555	1680	~~21.20~~	ug/L	9
41)	Ethyl benzene	7.16	563	999	~~27.43~~	ug/L	9
42)	p,m-Xylene	7.16	563	999	~~13.25~~	ug/L	9
43)	o-Xylene	7.59	606	6720	~~185.07~~	ug/L	9
44)	Styrene	7.60	607	3152	~~99.85~~	ug/L	6
46)	4-BROMOFLUOROBENZENE	8.04	652	32421	524.54	ug/L	9

* Compound is ISTD

0000554

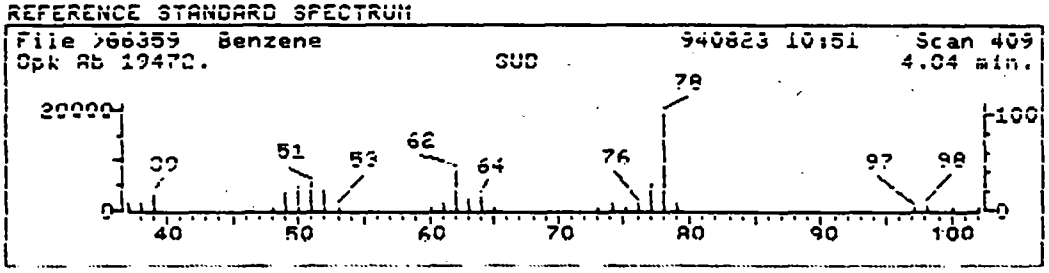


Data File: >G6407::A4 Quant Output File: ^G6407::SC
Name: 940826-048
Misc: PRC 10DL

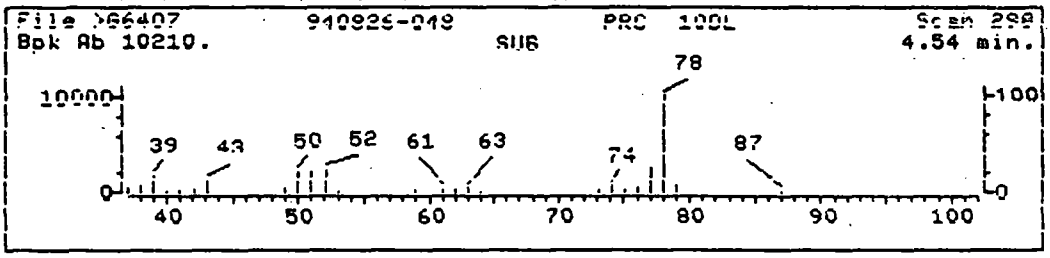
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:18
Injected at: 940828 02:25

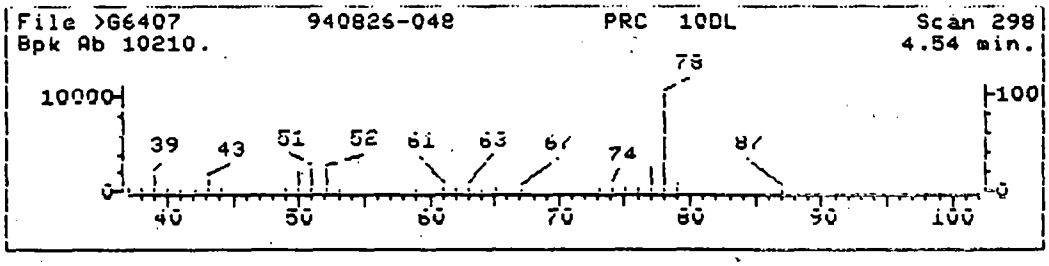
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6407::A4
Name: 940826-048
Misc: PRC 10DL
Quant Time: 940830 11:18
Injected at: 940828 02:25

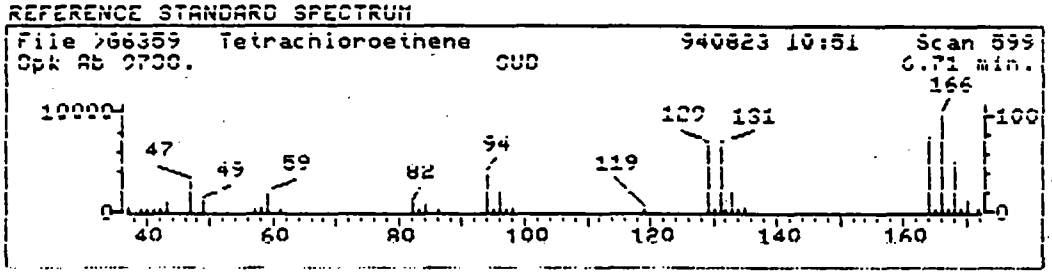
Quant Output File: ^G6407::SC

Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

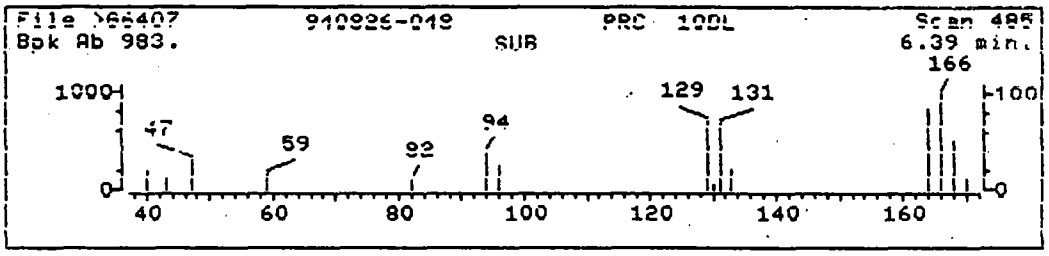
Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 29175
Concentration: 336.66 ug/L
q-value: 100

✓ OK CB 08-31-94

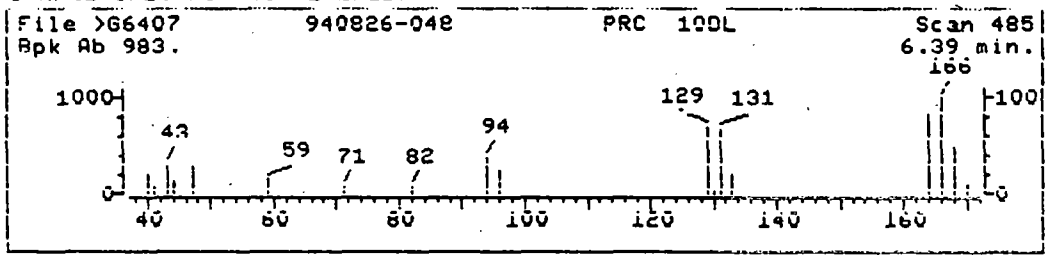
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6407::A4 Quant Output File: ^G6407::SC
Name: 940826-048
Misc: PRC 10DL
Quant Time: 940830 11:18 Quant ID File: ID1NW2::A3
Injected at: 940828 02:25 Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 2170
Concentration: 68.62 ug/L
q-value: 96

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: hjp
ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 04:55 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	125	0.625
Bromoform	< DL	125	0.625
Carbon tetrachloride	< DL	125	0.625
Chlorobenzene	< DL	125	0.625
Chlorodibromomethane	< DL	125	0.625
Chloroethane	< DL	125	0.625
2-Chloroethylvinyl ether	< DL	125	0.625
Chloroform	< DL	125	0.625
1,2-Dichlorobenzene	< DL	125	0.625
1,4-Dichlorobenzene	< DL	125	0.625
1,3-Dichlorobenzene	< DL	125	0.625
Dichlorobromomethane	< DL	125	0.625
1,1-Dichloroethane	< DL	125	0.625
1,2-Dichloroethane	< DL	125	0.625
1,1-Dichloroethene	< DL	125	0.625
trans-1,2-Dichloroethene	< DL	125	0.625
1,2-Dichloropropane	< DL	125	0.625
1,3-Dichloropropylene	< DL	125	0.625
trans-1,3-Dichloropropene	< DL	125	0.625
Ethylbenzene	< DL	125	0.625
Methyl bromide	< DL	125	0.625
Methyl chloride	< DL	125	0.625
Methylene chloride	1.67	125	0.625
1,1,2,2-Tetrachloroethane	< DL	125	0.625
Tetrachloroethene	< DL	125	0.625
Toluene	< DL	125	0.625
1,1,1-Trichloroethane	< DL	125	0.625
1,1,2-Trichloroethane	< DL	125	0.625
Trichloroethene	< DL	125	0.625
Trichlorofluoromethane	< DL	125	0.625
Vinyl chloride	< DL	125	0.625
Total Xylene	< DL	125	0.625

0000558

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 05:25
Output File: ^F256U::D1 Injected at: 940909 04:55
Data File: >F256U::D2 Dilution Factor: 125.0000
Name: 940826-49
Misc: FRC ENVIRO 2291/9403016/125DL /JS

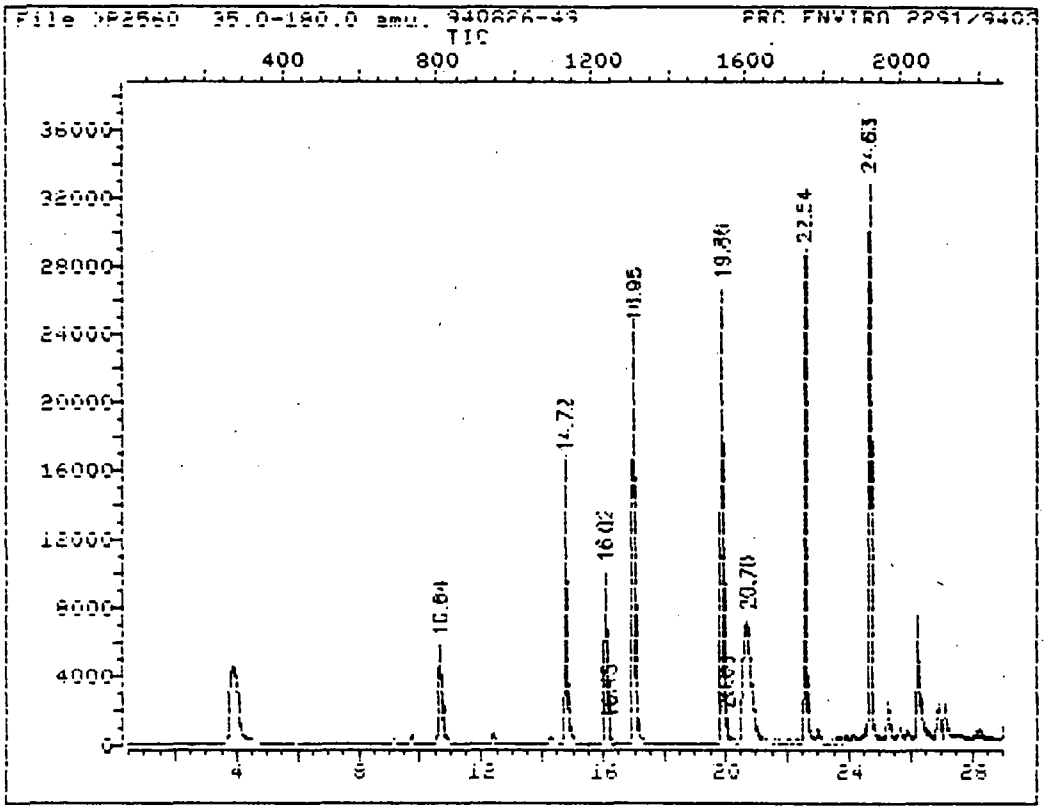
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.72	1130	12566	50.00	PPB	7
11)	Methylene chloride	10.64	807	8250	1669.03	PPB	2
20)	*1,4-DIFLUOROBENZENE	16.95	1307	57213	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.02	1233	21575	6184.76 99	PPB	8
24)	Benzene	16.15	1244	114	11.35	PPB	10
31)	TOLUENE-D8	19.86	1538	49557	6394.81 102	PPB	9
32)	Toluene	20.00	1549	737	71.38	PPB	9
33)	t-1,3-Dichloropropene	20.70	1604	3266	283.29 110	PPB	2
35)	*CHLOROBENZENE-D5	22.54	1750	44111	50.00	PPB	8
46)	BROMOFLUOROBENZENE	24.63	1916	39832	6719.54 108	PPB	7

* Compound is ISTD

0000559

TOTAL ION CHROMATOGRAM

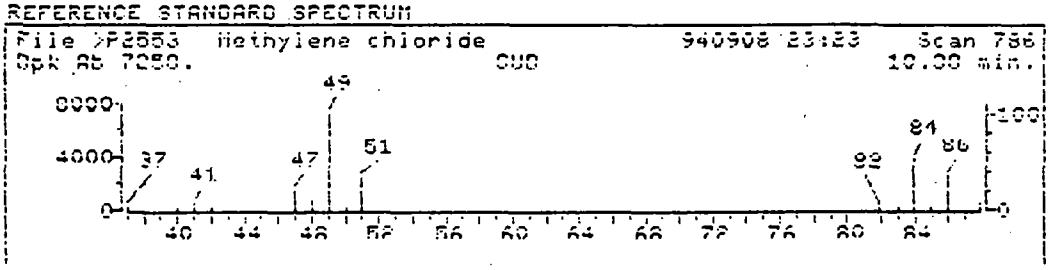


Data File: >P2560::D2 Quant Output File: ^P2560::D1
Name: 940826-49
Misc: PRC ENVIRO 2291/9403016/125DL /J5

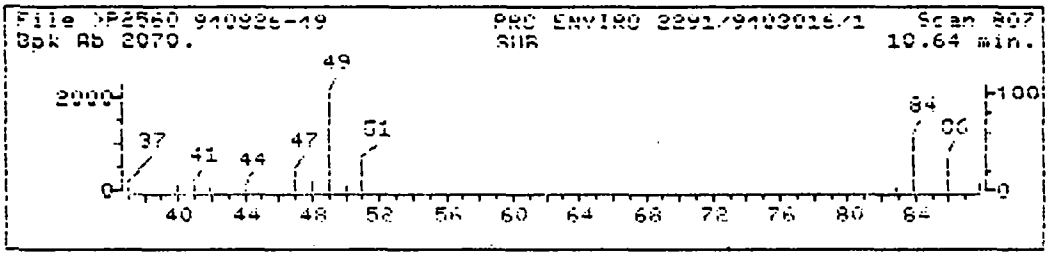
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 05:25
Injected at: 940909 04:55

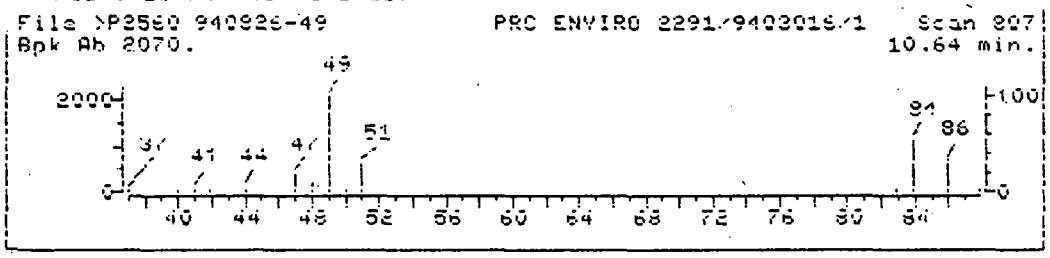
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

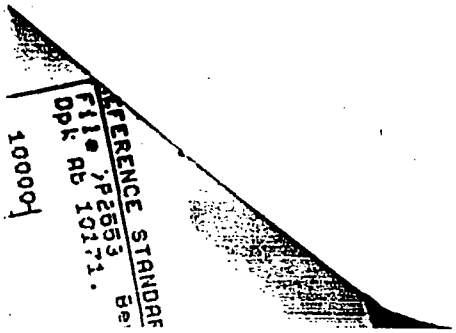


SAMPLE SPECTRUM (UNALTERED)



Data File: >P2560::D2 Quant Output File: ^P2560::D1
Name: 940826-49
Misc: PRC ENVIRO 2291/9403016/125DL /JS
Quant Time: 940909 05:25 Quant ID File: IBCOM1::A3
Injected at: 940909 04:55 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 807
Retention Time: 10.64 min.
Quant Ion: 84.0
Area: 8250
Concentration: 1669.03 PPB
q-value: 79



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:36
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000562

QUANT REPORT

Operator ID: JULES
Output File: ^G6416::SC
Data File: >G6416::A4
Name: 940826-~~B48~~ 49
Misc: PCR 10DL ~~48~~

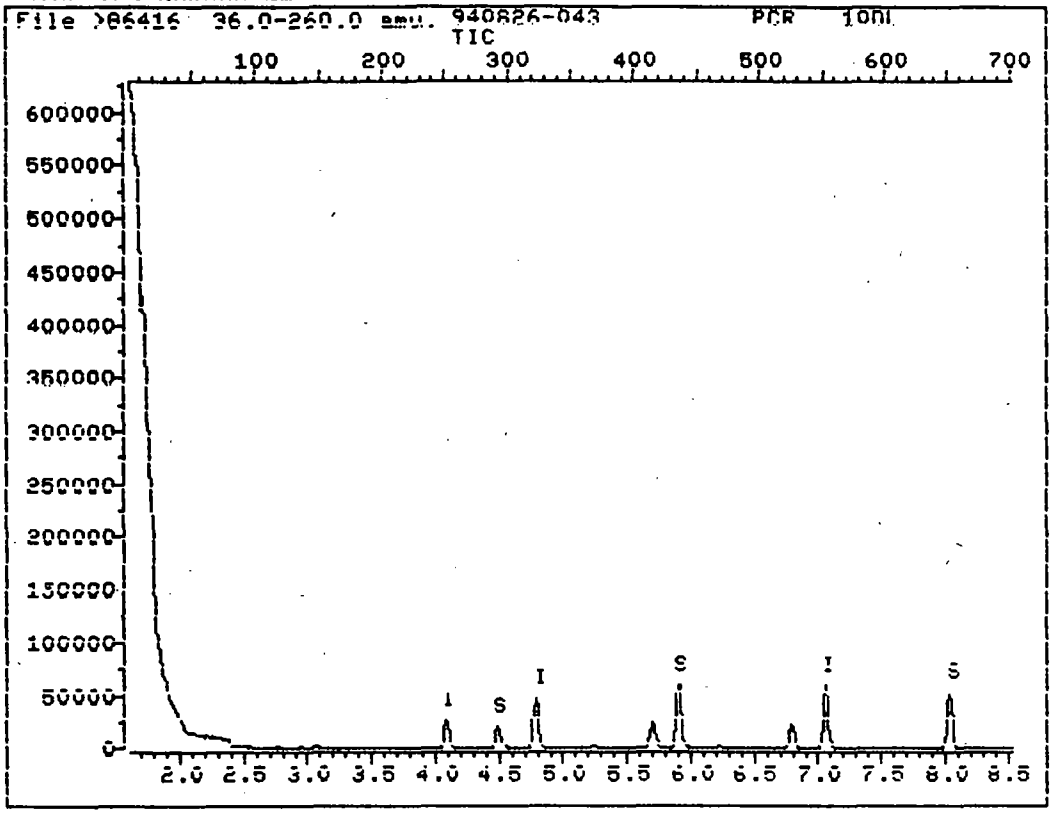
Quant Rev: 6 Quant Time: 940830 12:11
Injected at: 940828 05:36
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9186	50.00	ug/L	77
20)	*1,4-DIFLUOROBENZENE	4.79	323	50821	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.49	292	18647	548.10	ug/L	88
31)	TOLUENE-D8	5.90	435	56203	571.39	ug/L	93
35)	*CHLOROBENZENE-D5	7.05	552	46738	50.00	ug/L	93
46)	4-BROMOFLUOROBENZENE	8.04	652	30583	490.45	ug/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6416::A4 Quant Output File: ^G6416::SC
Name: 940826-~~043~~ 49
Misc: PCR 10DL

Id File: 1D1NW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:11
Injected at: 940828 05:36

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 12:17 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	2500	12.5
Bromoform	< DL	2500	12.5
Carbon tetrachloride	< DL	2500	12.5
Chlorobenzene	< DL	2500	12.5
Chlorodibromomethane	< DL	2500	12.5
Chloroethane	< DL	2500	12.5
2-Chloroethylvinyl ether	< DL	2500	12.5
Chloroform	< DL	2500	12.5
1,2-Dichlorobenzene	< DL	2500	12.5
1,4-Dichlorobenzene	< DL	2500	12.5
1,3-Dichlorobenzene	< DL	2500	12.5
Dichlorobromomethane	< DL	2500	12.5
1,1-Dichloroethane	< DL	2500	12.5
1,2-Dichloroethane	< DL	2500	12.5
1,1-Dichloroethene	< DL	2500	12.5
trans-1,2-Dichloroethene	< DL	2500	12.5
1,2-Dichloropropane	< DL	2500	12.5
1,3-Dichloropropylene	< DL	2500	12.5
trans-1,3-Dichloropropene	< DL	2500	12.5
Ethylbenzene	< DL	2500	12.5
Methyl bromide	< DL	2500	12.5
Methyl chloride	< DL	2500	12.5
Methylene chloride	309	2500	12.5
1,1,2,2-Tetrachloroethane	< DL	2500	12.5
Tetrachloroethene	< DL	2500	12.5
Toluene	< DL	2500	12.5
1,1,1-Trichloroethane	< DL	2500	12.5
1,1,2-Trichloroethane	< DL	2500	12.5
Trichloroethene	< DL	2500	12.5
Trichlorofluoromethane	< DL	2500	12.5
Vinyl chloride	< DL	2500	12.5
Total Xylene	< DL	2500	12.5

0000565

QUANT REPORT

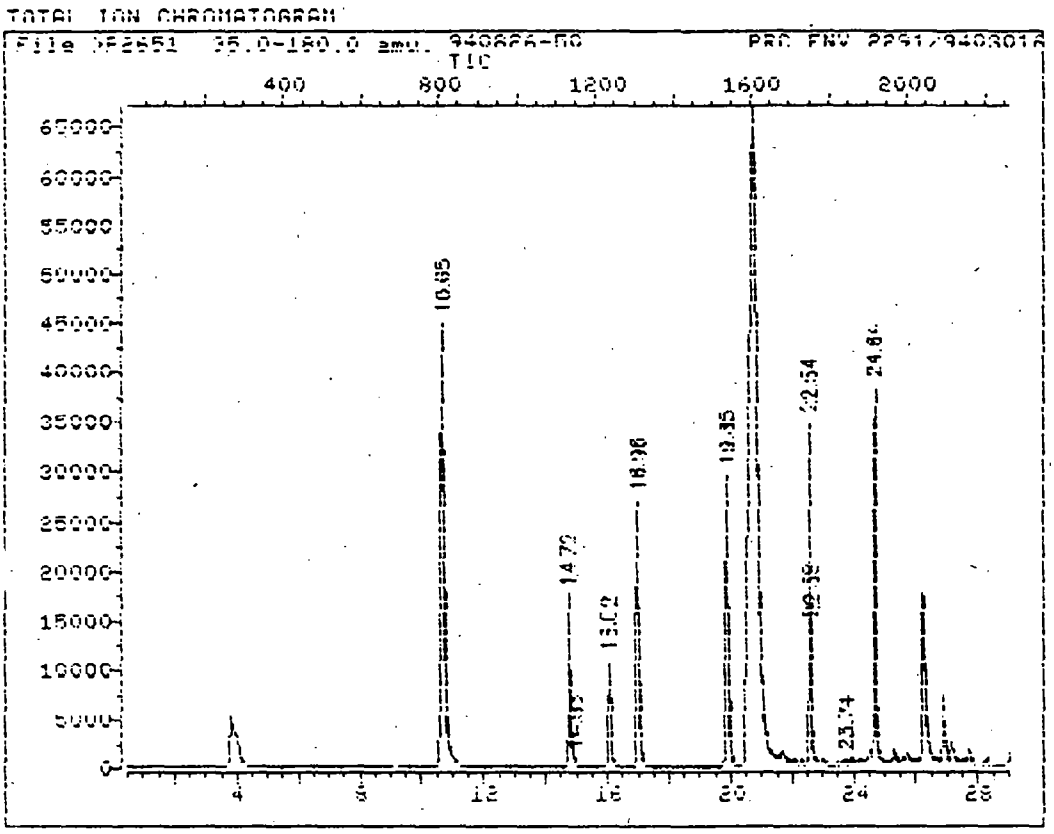
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 12:47
Output File: ^F2651::D1 Injected at: 940912 12:17
Data File: >F2651::D1 Dilution Factor: 2500.000
Name: 940826-50
Misc: PRC ENV 2291/9408016/2500DL/JS

ID File: IDCC01::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc		Units
1)	*BROMOCHLOROMETHANE	14.72	1130	13118	50.00		PPB
11)	Methylene chloride	10.65	808	66860	809162.1		PPB
18)	Chloroform	14.93	1147	431	1133.43		PPB
20)	*1,4-DIFLUOROBENZENE	16.96	1308	62398	50.00		PPB
22)	1,2-DICHLOROETHANE-D4	16.02	1233	23063	113091.8	90	PPB
31)	TOLUENE-D8	19.85	1537	54870	112634.9	90	PPB
35)	*CHLOROBENZENE-D5	22.54	1750	52280	50.00		PPB
40)	Chlorobenzene	22.59	1754	844	2033.80		PPB
44)	Styrene	23.74	1845	360	845.48		PPB
46)	BROMOFLUOROBENZENE	24.64	1916	46406	112722.0	90	PPB

* Compound is ISTD

0000566

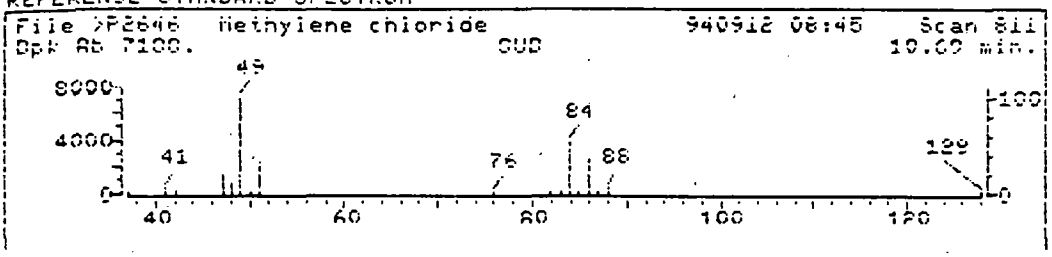


Data File: >F2651::D1 Quant Output File: ^F2651::D1
Name: 940826-50
Misc: PRC ENV 2291/9403016/250UDL/JS

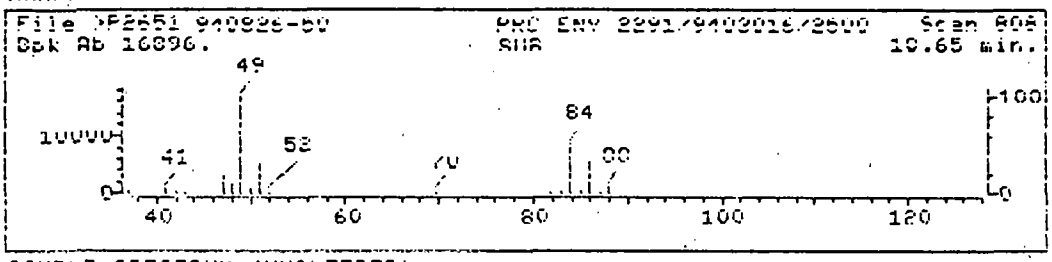
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 12:47
Injected at: 940912 12:17

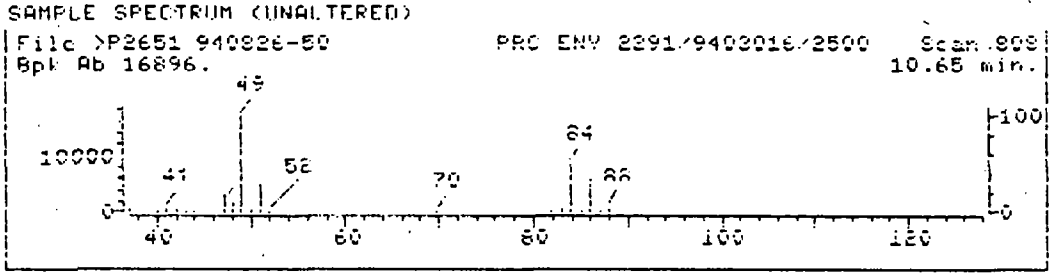
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2651::D1 Quant Output File: ^P2651::D1
Name: 940826-50
Misc: PRC ENV 2291/9403016/2500DL/JS
Quant Time: 940912 12:47 Quant ID File: IDCOM1::A8
Injected at: 940912 12:17 Last Calibration: 940912 10:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 808
Retention Time: 10.65 min.
Quant Ion: 84.0
Area: 66860
Concentration: 305162.1 PPB
q-value: 76

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp

ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:56

PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6417::SC
Data File: >G6417::A4
Name: 940826-050
Misc: PCR 10DL

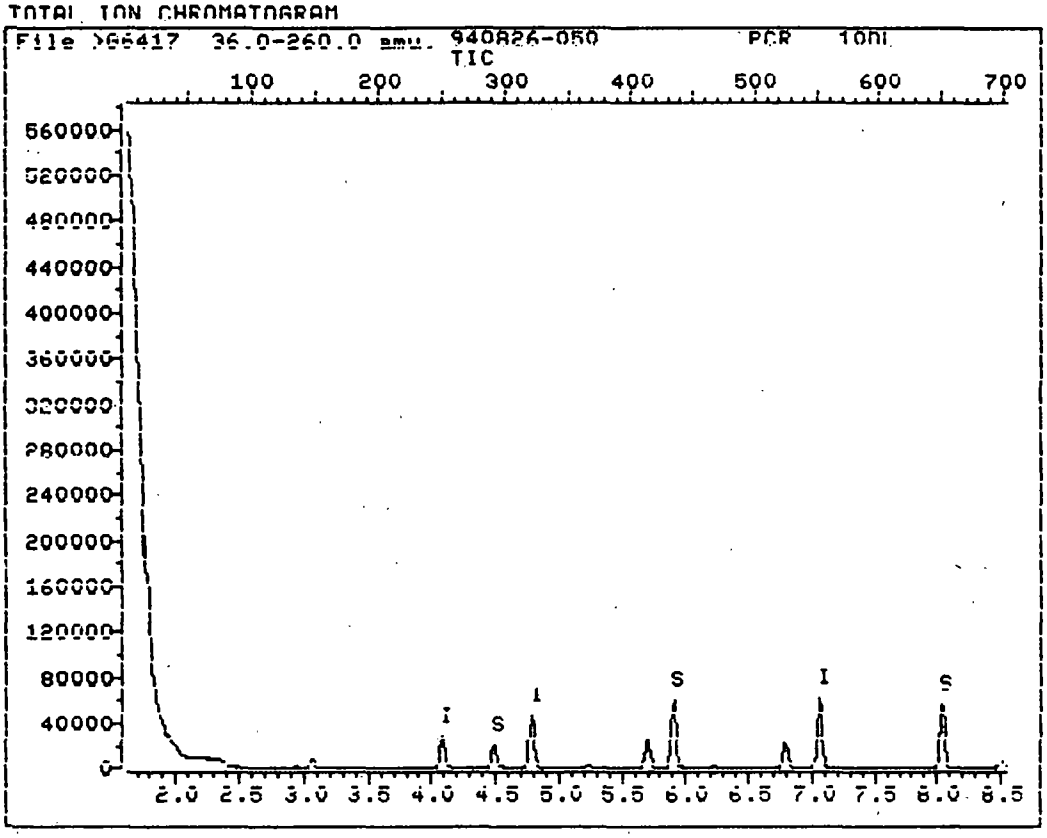
Quant Rev: 6 Quant Time: 940830 12:13
Injected at: 940828 05:56
Dilution Factor: 10.00000

ID File: 1DINW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9128	50.00	ug/L	80
20)	*1,4-DIFLUOROBENZENE	4.79	322	51835	50.00	ug/L	85
22)	1,2-DICHLOROETHANE-D4	4.49	292	18768	540.87	ug/L	88
31)	TOLUENE-D8	5.90	435	55944	557.63	ug/L	97
35)	*CHLOROBENZENE-D5	7.06	552	47125	50.00	ug/L	94
46)	4-BROMOFLUOROBENZENE	8.03	651	31370	498.94	ug/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6417::A4 Quant Output File: ^G6417::SC
Name: 940826-050
Misc: PCR 10DL

Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:13
Injected at: 940828 05:56

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 06:05 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		7.73	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		109	1250	6.25
Toluene	<	DL	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene		36.6	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene	<	DL	1250	6.25

0000572

QUANT REPORT

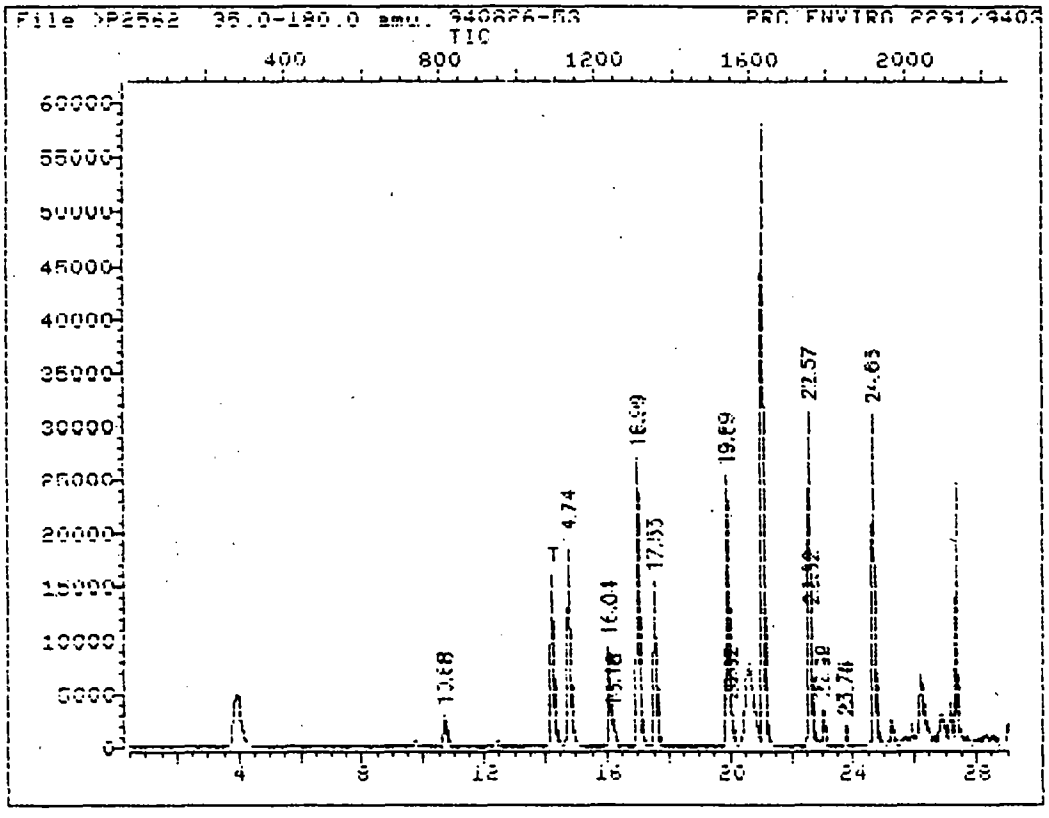
Operator ID: BUBBA ; Quant Rev: 6 Quant Time: 940909 06:35
Output File: ^P2562::D1 Injected at: 940909 06:05
Data File: >P2562::D2 Dilution Factor: 1250.000
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /JS

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	13316	50.00	PPB	%
11)	Methylene chloride	10.68	810	4049	7730.82	PPB	%
16)	cis-1,2-Dichloroethylene	14.18	1088	38433	24215.45	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.99	1310	61056	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.04	1235	20379	54742.08 88	PPB	%
24)	Benzene	16.18	1246	5511	~~5159.42~~ 8	PPB	10
25)	Trichloroethene	17.53	1353	15093	36643.34 8	PPB	9
31)	TOLUENE-D8	19.89	1540	46614	56364.45	PPB	9
32)	Toluene	20.02	1550	5188	~~4706.19~~	PPB	9
35)	*CHLOROBENZENE-D5	22.57	1752	46497	50.00	PPB	8
36)	Tetrachloroethene	21.05	1632	40345	109254.4	PPB	9
40)	Chlorobenzene	22.62	1756	972	~~1200.47~~	PPB	8
41)	Ethyl benzene	22.99	1786	2326	~~6189.09~~	PPB	%
42)	p,m-Xylene	22.99	1786	2376	~~4918.54~~	PPB	6
43)	o-Xylene	23.74	1845	694	~~1425.81~~	PPB	9
44)	Styrene	23.75	1846	1604	~~1977.48~~	PPB	9
46)	BROMOFLUOROBENZENE	24.65	1917	38284	61269.84 98	PPB	6

* Compound is ISTD

TOTAL ION CHROMATOGRAM

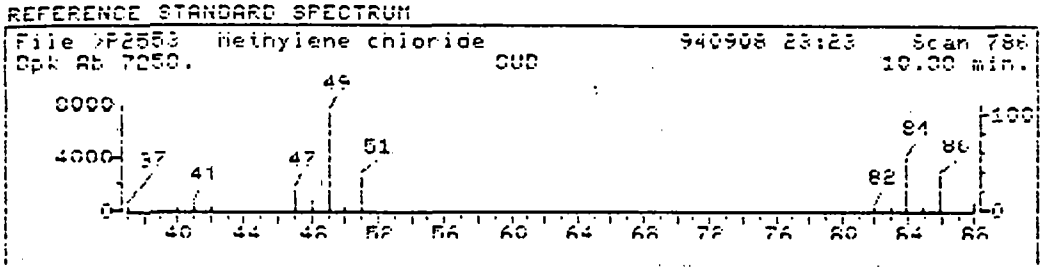


Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /JS

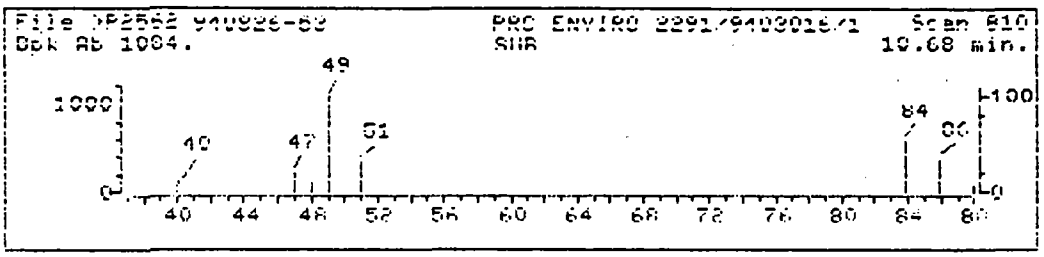
Id File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 06:35
Injected at: 940909 06:05

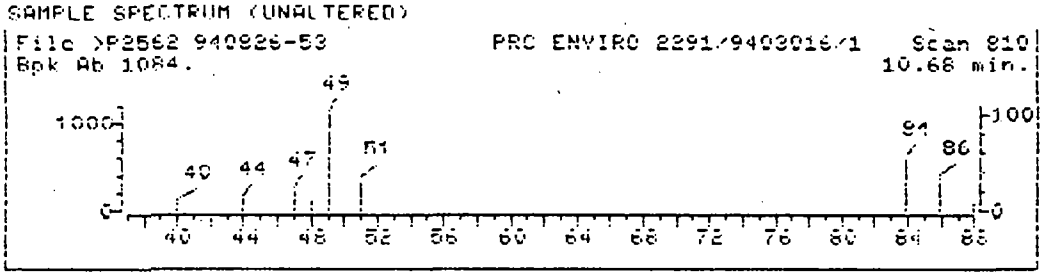
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



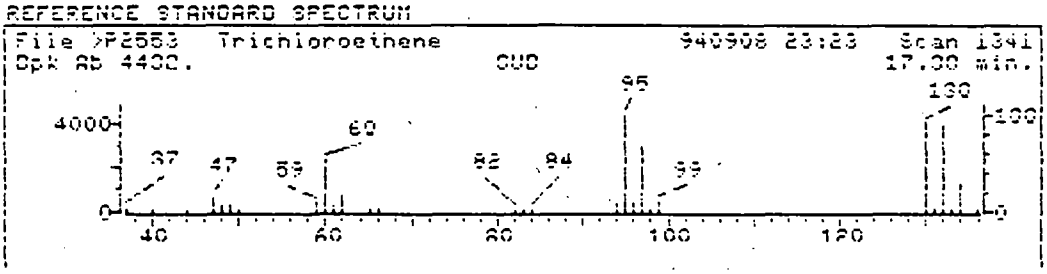
SAMPLE SPECTRUM (UNALTERED)



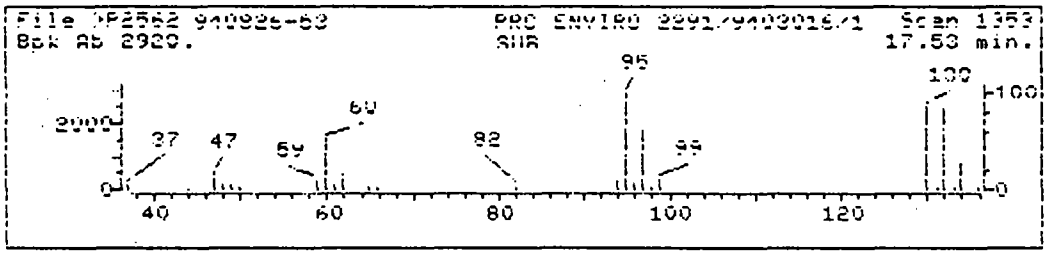
Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /J5
Quant Time: 940909 06:35 Quant ID File: IDCOM1::A3
Injected at: 940909 06:05 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 810
Retention Time: 10.68 min.
Quant Ion: 84.0
Area: 4045
Concentration: 7730.02 PPB
q-value: 78

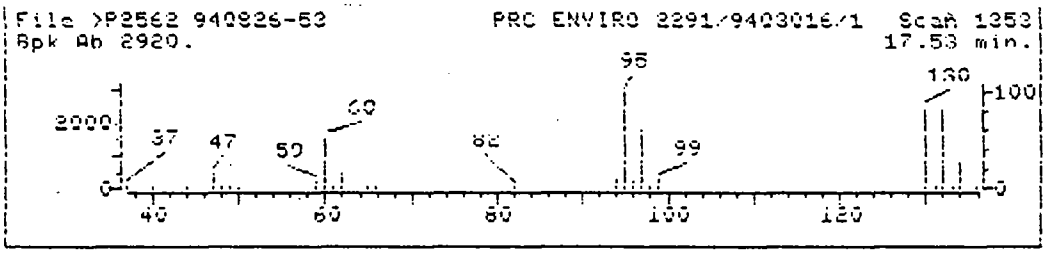
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

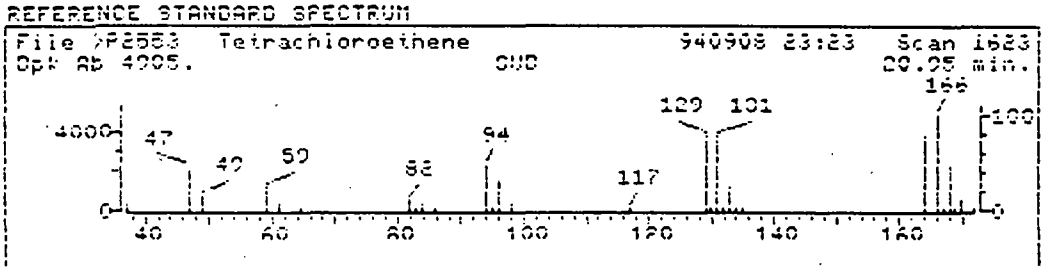


Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/125UDL /JS
Quant Time: 940909 06:35 Quant ID File: IDCOM1::AS
Injected at: 940909 06:05 Last Calibration: 940909 01:07

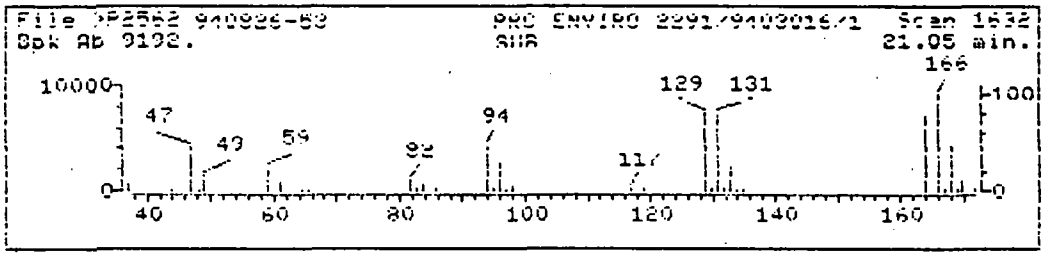
Compound No: 25
Compound Name: Trichloroethene
Scan Number: 1353
Retention Time: 17.53 min.
Quant Ion: 130.0
Area: 15093
Concentration: 36643.34 PPB
q-value: 94

REFERENCE

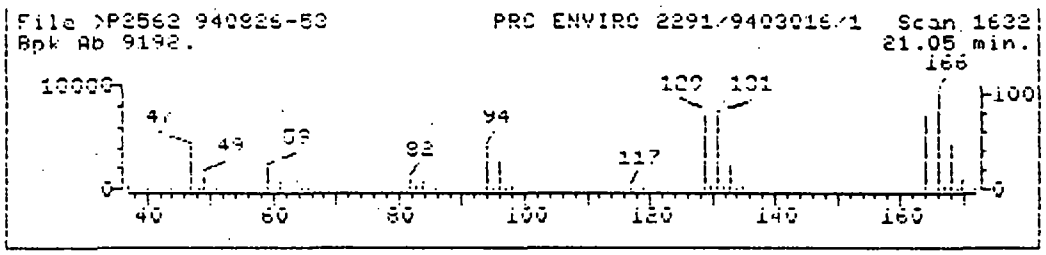
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/125UDL /JS
Quant Time: 940909 06:35 Quant ID File: IDCOM1::R3
Injected at: 940909 06:05 Last Calibration: 940909 01:07

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1632
Retention Time: 21.05 min.
Quant Ion: 164.0
Area: 40345
Concentration: 109254.4 PPB
q-value: 98

REFERENCE

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7979 GSRI Ave.
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:03
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.14	0.7	0.05	10	8240
Trichloroethylene	0.11	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

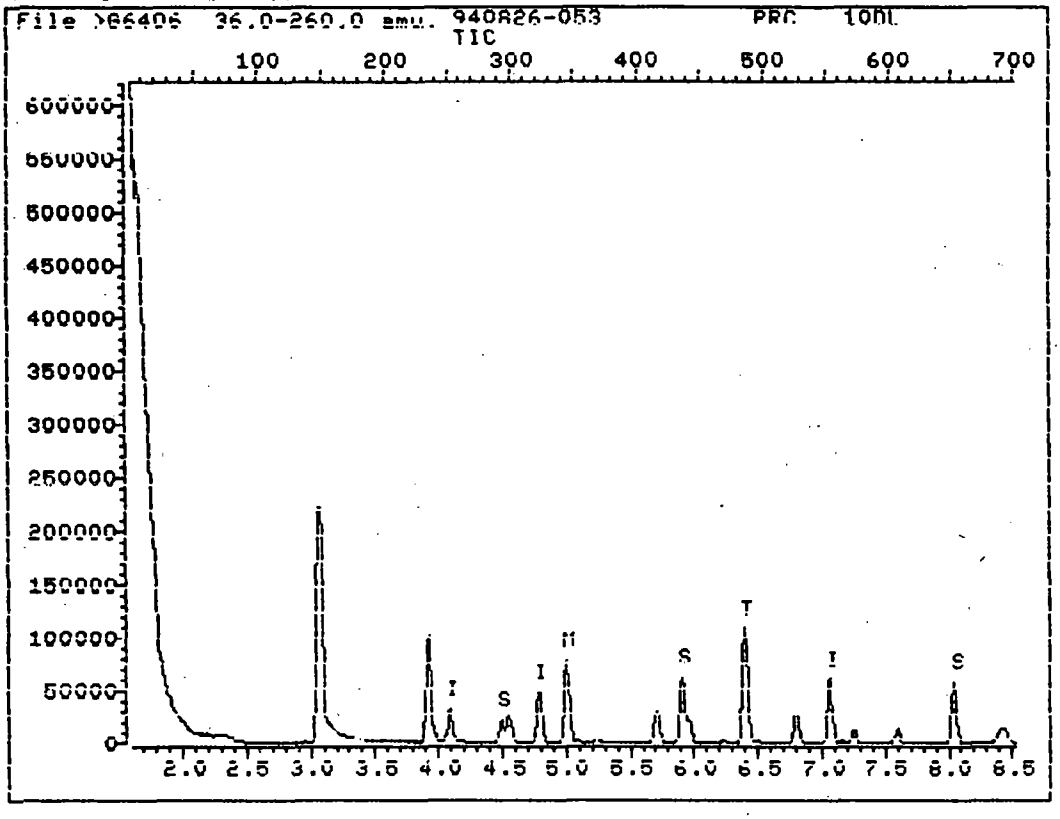
Operator ID: JULES Quant Rev: 6 Quant Time: 940829 08:43
Output File: ^G6406::A2 Injected at: 940828 02:03
Data File: >G6406::A4 Dilution Factor: 1.00000
Name: 940826-053
Misc: PRC 10DL

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.09	252	10322	50.00	ug/L	73
20)	*1,4-DIFLUOROBENZENE	4.78	322	56497	50.00	ug/L	97
22)	1,2-DICHLOROETHANE-D4	4.50	293	19396	51.28	ug/L	93
25)	Trichloroethene	5.00	344	41032	116.41	ug/L	88
31)	TOLUENE-D8	5.91	436	58610	53.60	ug/L	95
35)	*CHLOROBENZENE-D5	7.06	552	50080	50.00	ug/L	92
36)	Tetrachloroethene	6.39	485	46908	137.22	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.04	652	33128	49.58	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



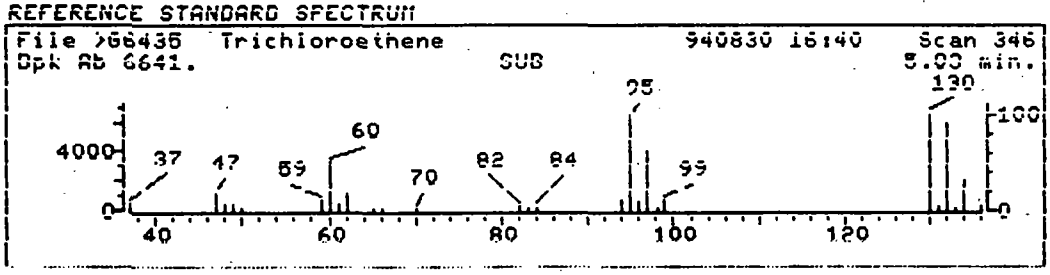
Data File: >G6406::A4
Name: 940826-053
Misc: PRC 10DL

Quant Output File: ^G6406::A2

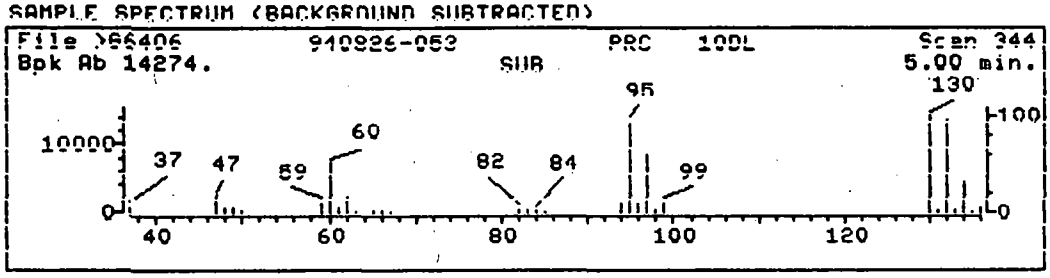
Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940829 08:43
Injected at: 940828 02:03

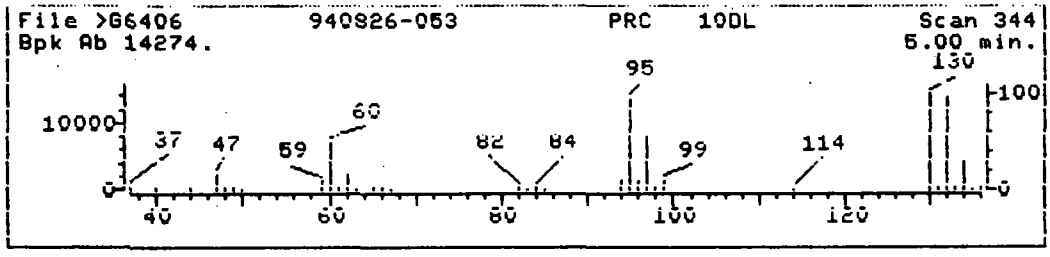
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



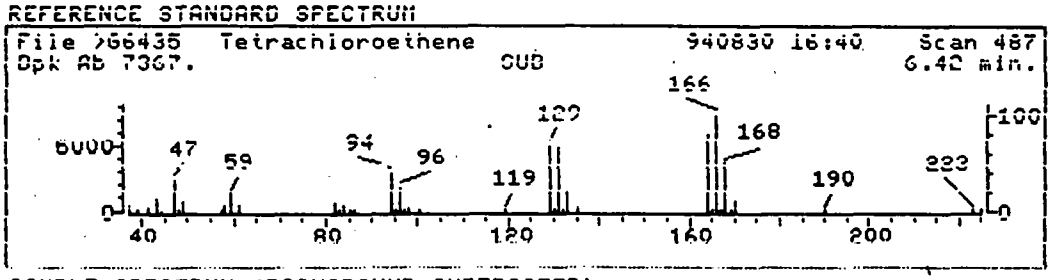
Data File: >G6406::A4
Name: 940826-053
Misc: PRC 10DL
Quant Time: 940829 08:43
Injected at: 940828 02:03

Quant Output File: ^G6406::A2

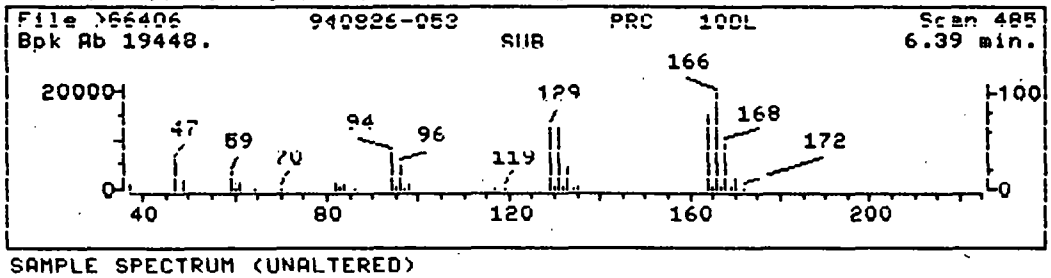
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 25
Compound Name: Trichloroethene
Scan Number: 344
Retention Time: 5.00 min.
Quant Ion: 130.0
Area: 41032
Concentration: 116.41 ug/L
q-value: 88

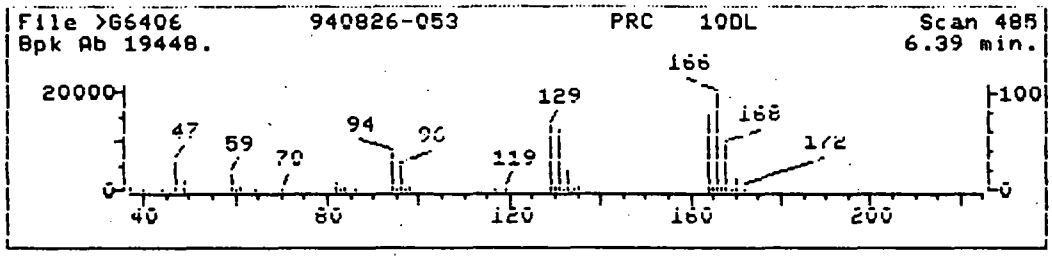
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6406::A4
Name: 940826-053
Misc: PRC 10DL
Quant Time: 940829 08:43
Injected at: 940828 02:03

Quant Output File: ^G6406::A2
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 46908
Concentration: 137.22 ug/L
q-value: 97

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260042
CLIENT ID : SBA-TB01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 11:05

ANALYST: hjp ANALYSIS DATE: 09/03/94 METHOD: 8240
ANALYSIS TIME: 23:05 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	< DL	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000583

QUANT REPORT

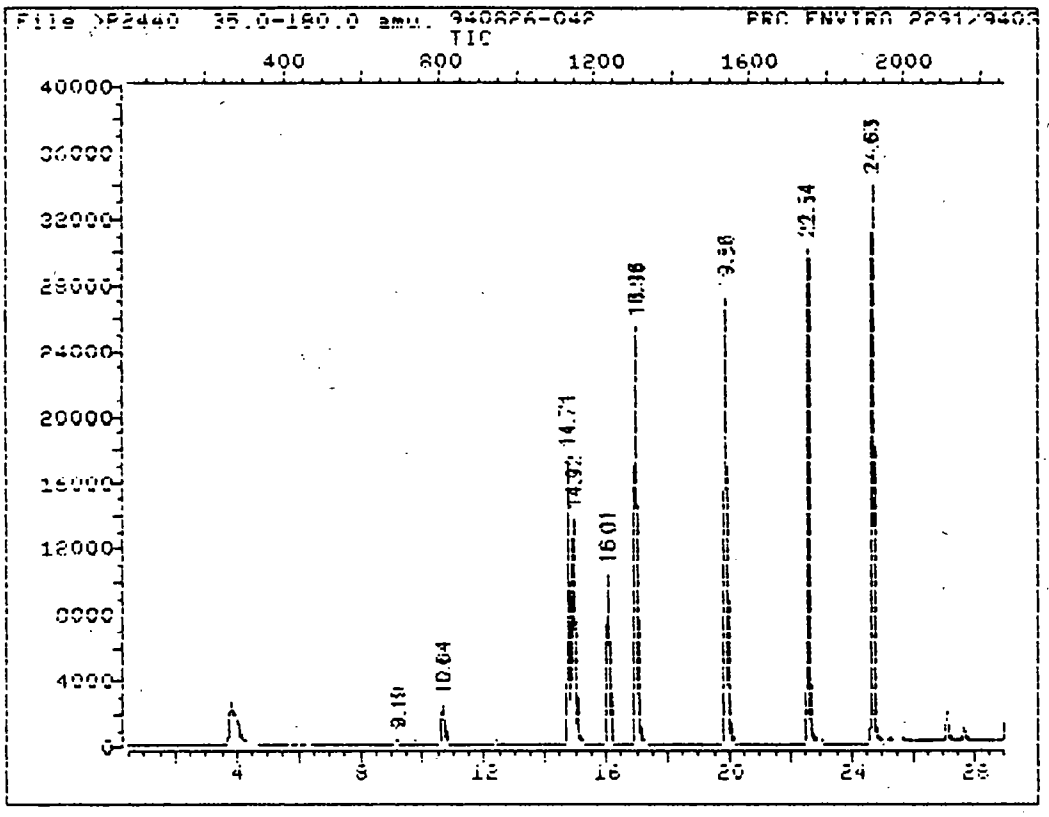
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 23:35
Output File: ^P2440::D1 Injected at: 940903 23:05
Data File: >P2440::D2 Dilution Factor: 1.00000
Name: 940826-042
Misc: PRC ENVIRO 2291/940301//NEAT/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	Q
1)	*BROMOCHLOROMETHANE	14.71	1130	12404	50.00	PPB	
10)	Acetone	9.19	692	1822	26.55	PPB	
11)	Methylene chloride	10.64	807	3527	7.67	PPB	
18)	Chloroform	14.92	1146	31548	37.36	PPB	
20)	*1,4-DIFLUOROBENZENE	16.96	1308	56535	50.00	PPB	
22)	1,2-DICHLOROETHANE-D4	16.01	1233	22493	52.39 105	PPB	
31)	TOLUENE-D8	19.86	1538	50003	53.76 108	PPB	
35)	*CHLOROBENZENE-D5	22.54	1750	44667	50.00	PPB	
46)	BROMOFLUOROBENZENE	24.63	1916	40867	53.28 107	PPB	

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2440::D2 Quant Output File: ^P2440::D1
Name: 940826-042
Misc: PRC ENVIRO 2291/9403017/NEAT/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 23:35
Injected at: 940903 23:05

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260043
CLIENT ID : SBA-FB01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:15

ANALYST: hjp ANALYSIS DATE: 09/06/94 METHOD: 8240
ANALYSIS TIME: 23:05 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	32.9	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000586

QUANT REPORT

Operator ID: BURBA Quant Rev: 6 Quant Time: 940906 23:35
Output File: ^P2492::D1 Injected at: 940906 23:05
Data File: >P2492::D2 Dilution Factor: 1.00000
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/J5

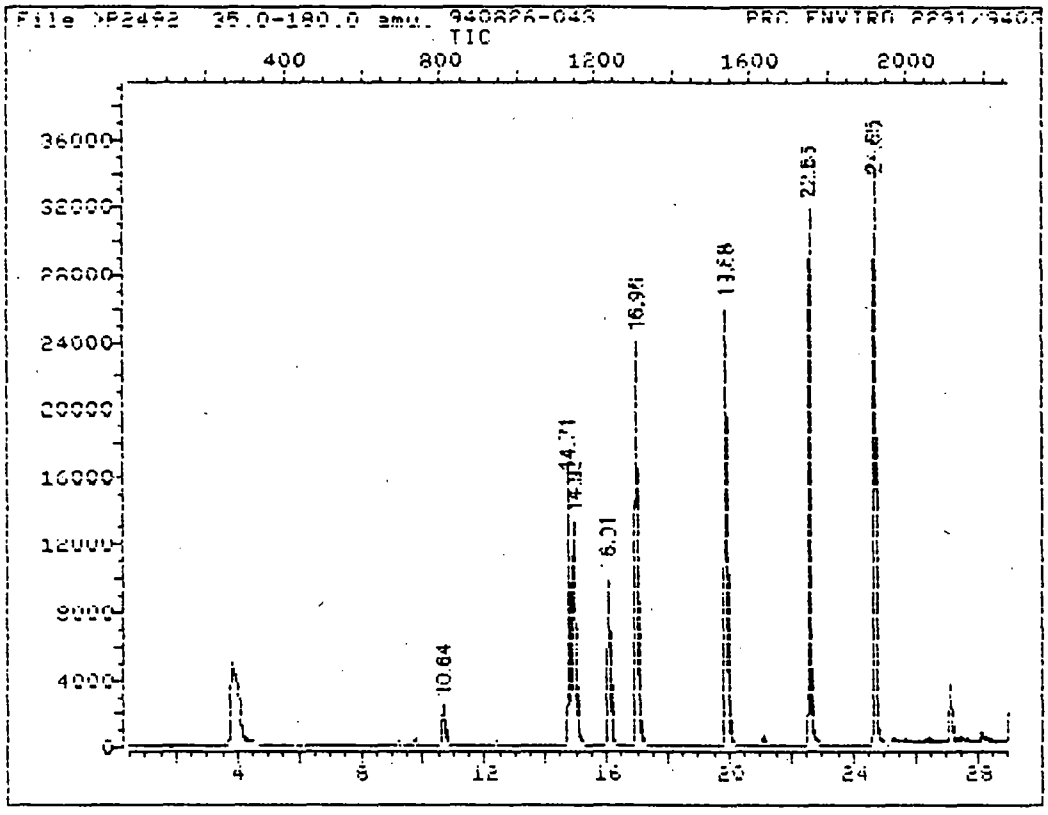
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1130	11773	50.00	PPB	75
11)	Methylene chloride	10.64	807	3484	6.92	PPB	81
18)	Chloroform	14.93	1147	30718	32.87	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.96	1308	55617	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.01	1233	20953	43.31 87	PPB	83
31)	TOLUENE-D8	19.88	1539	47993	44.93 90	PPB	97
35)	*CHLOROBENZENE-D5	22.55	1751	46778	50.00	PPB	88
36)	Tetrachloroethene	21.04	1631	274	~~5.5~~	PPB	95
46)	BROMOFLUOROBENZENE	24.65	1917	41505	43.56 87	PPB	66

* Compound is ISTD

0000587

TOTAL ION CHROMATOGRAM

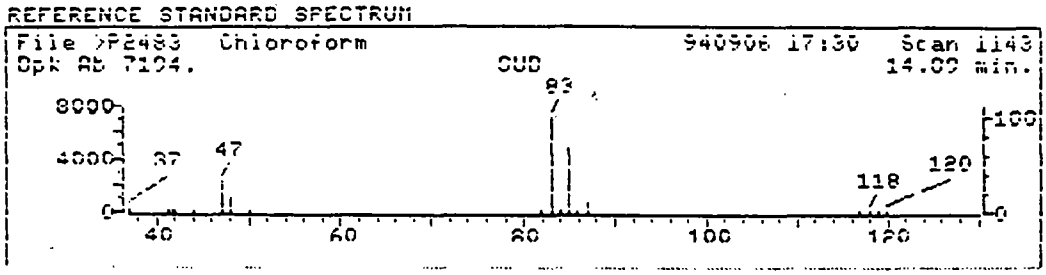


Data File: >P2492::D2 Quant Output File: ^P2492::D1
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/J5

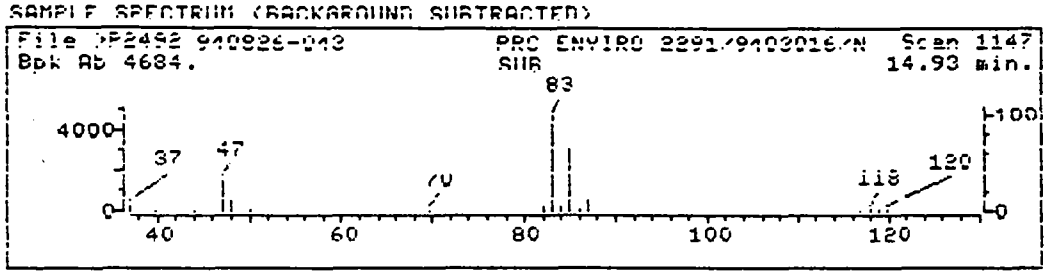
Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

Operator ID: BUBBA
Quant Time: 940906 23:35
Injected at: 940906 23:05

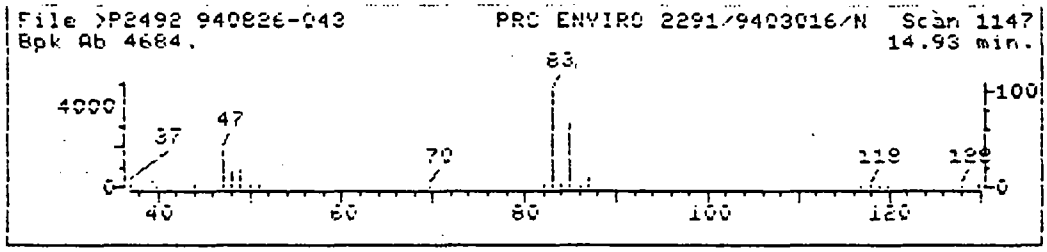
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2492::D2 Quant Output File: ^P2492::D1
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/JS
Quant Time: 940906 23:35 Quant ID File: IDCC01::A3
Injected at: 940906 23:05 Last Calibration: 940906 18:30

Compound No: 18
Compound Name: Chloroform
Scan Number: 1147
Retention Time: 14.93 min.
Quant Ion: 83.0
Area: 3078
Concentration: 32.8% PPB
q-value: 98

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/06/94 METHOD: 8240
ANALYSIS TIME: 10:47 PREP REQ : N PREP DATE :

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	<	DL	1	5
Bromoform	<	DL	1	5
Carbon tetrachloride	<	DL	1	5
Chlorobenzene	<	DL	1	5
Chlorodibromomethane	<	DL	1	5
Chloroethane	<	DL	1	5
2-Chloroethylvinyl ether	<	DL	1	5
Chloroform		32.4	1	5
1,2-Dichlorobenzene	<	DL	1	5
1,4-Dichlorobenzene	<	DL	1	5
1,3-Dichlorobenzene	<	DL	1	5
Dichlorobromomethane	<	DL	1	5
1,1-Dichloroethane	<	DL	1	5
1,2-Dichloroethane	<	DL	1	5
1,1-Dichloroethene	<	DL	1	5
trans-1,2-Dichloroethene	<	DL	1	5
1,2-Dichloropropane	<	DL	1	5
1,3-Dichloropropylene	<	DL	1	5
trans-1,3-Dichloropropene	<	DL	1	5
Ethylbenzene	<	DL	1	5
Methyl bromide	<	DL	1	5
Methyl chloride	<	DL	1	5
Methylene chloride	<	DL	1	10
1,1,2,2-Tetrachloroethane	<	DL	1	5
Tetrachloroethene	<	DL	1	5
Toluene	<	DL	1	5
1,1,1-Trichloroethane	<	DL	1	5
1,1,2-Trichloroethane	<	DL	1	5
Trichloroethene	<	DL	1	5
Trichlorofluoromethane	<	DL	1	5
Vinyl chloride	<	DL	1	5
Total Xylene	<	DL	1	5

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2472::D1
Data File: >P2472::D2
Name: 940826-045
Misc: PCR NEAT

Quant Rev: 6 Quant Time: 940906 11:17
Injected at: 940906 10:47
Dilution Factor: 1.00000

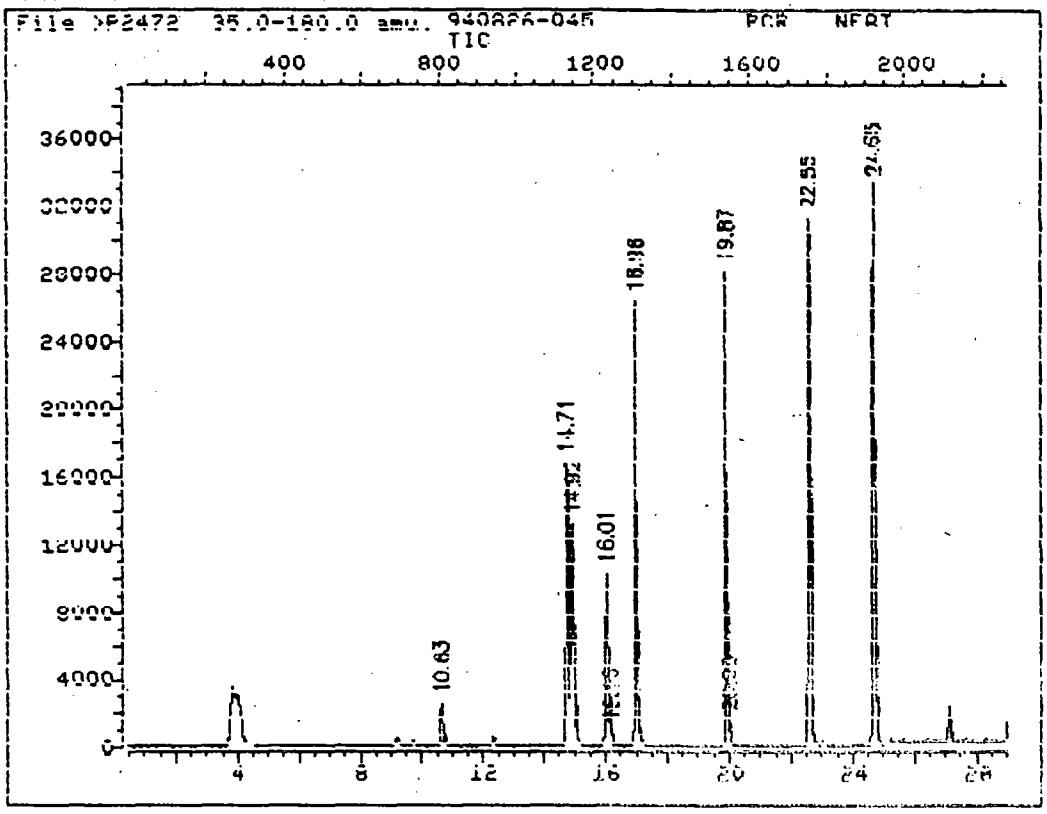
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	12380	50.00	PPB	7
11)	Methylene chloride	10.63	806	3458	~~6.05~~	PPB	7
18)	Chloroform	14.92	1146	31014	32.39	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.96	1307	59315	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.01	1232	22171	49.95 105	PPB	8
24)	Benzene	16.16	1244	555	.43	PPB	10
31)	TOLUENE-D8	19.87	1538	51778	51.86 104	PPB	9
32)	Toluene	20.00	1548	645	.47	PPB	8
35)	*CHLOROBENZENE-D5	22.55	1750	46969	50.00	PPB	9
46)	BROMOFLUOROBENZENE	24.65	1917	41002	52.33 105	PPB	6

* Compound is ISTD

0000591

TOTAL ION CHROMATOGRAM



Data File: >P2472::D2 Quant Output File: ^P2472::D1
Name: 940826-045
Misc: PCR NEAT

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 11:17
Injected at: 940906 10:47

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260046
CLIENT ID : SBA-TB02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 11:08

ANALYST: hjp ANALYSIS DATE: 09/08/94 METHOD: 8240
ANALYSIS TIME: 15:22 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	31.5	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000593

QUANT REPORT

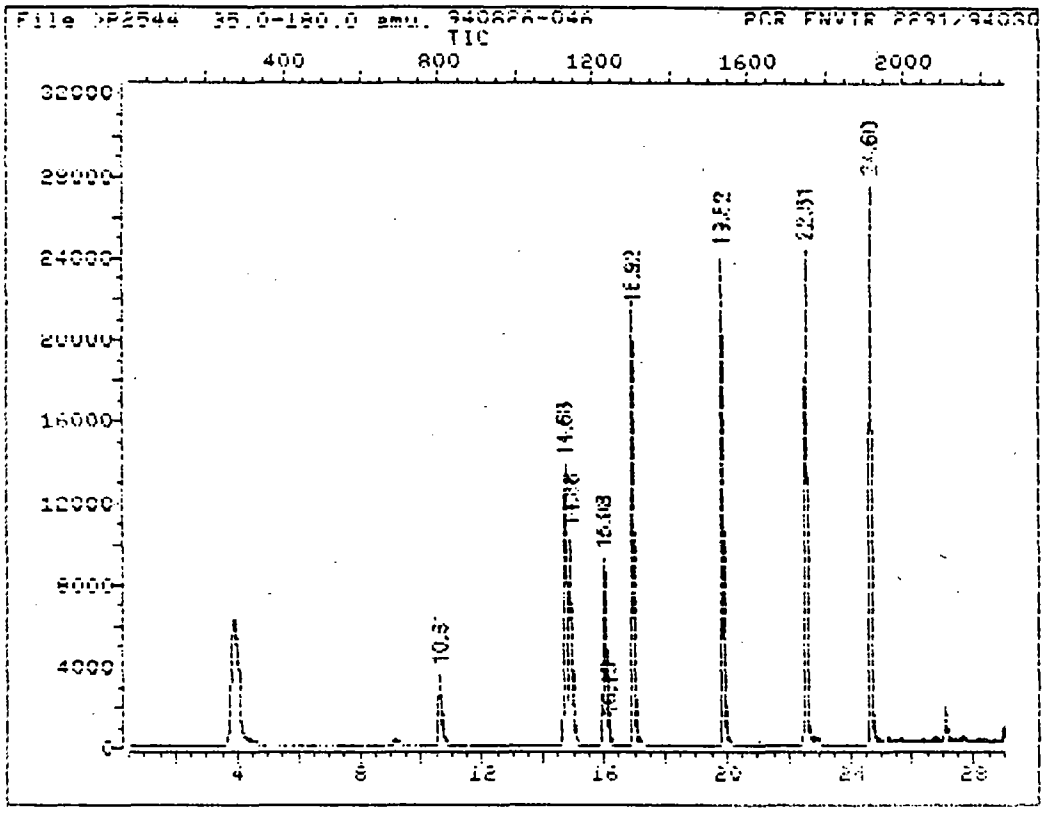
Operator ID: BURBA Quant Rev: 6 Quant Time: 940908 15:52
Output File: ^PZ544::D1 Injected at: 940908 15:22
Data File: >PZ544::D2 Dilution Factor: 1.00000
Name: 940826-046
Misc: PCR ENVIR 2291/9403016/NEAT/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	
1)	*BROMOCHLOROMETHANE	14.68	1127	10319	50.00	PPB	
11)	Methylene chloride	10.61	804	5261	9.73	PPB	
18)	Chloroform	14.88	1143	24929	31.46	PPB	
20)	*1,4-DIFLUOROBENZENE	16.52	1304	50687	50.00	PPB	
22)	1,2-DICHLOROETHANE-D4	15.96	1230	19319	55.11	PPB	
23)	1,2-Dichloroethane	16.15	1243	1473	2.82	PPB	
31)	TOLUENE-D8	19.82	1534	44654	57.62	PPB	
35)	*CHLOROBENZENE-D5	22.51	1747	36641	50.00	PPB	
46)	BROMOFLUOROBENZENE	24.60	1913	33191	56.96	PPB	

* Compound is ISTD

TOTAL ION CHROMATOGRAM



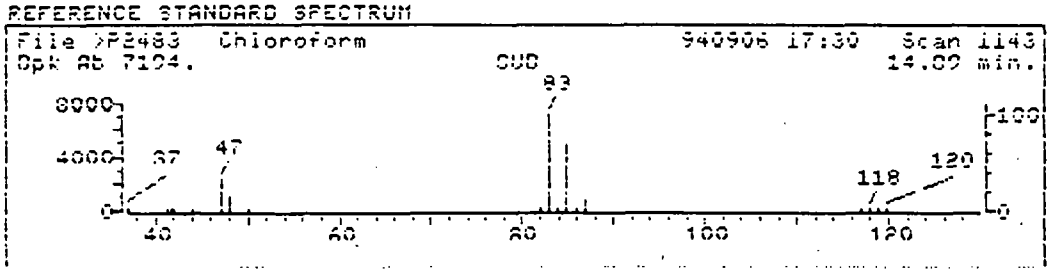
Data File: >P2544::D2 Quant Output File: ^P2544::D1
Name: 940826-046
Misc: PCR ENVIR 2291/940830/NEAT/JS

Id File: IDCON1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

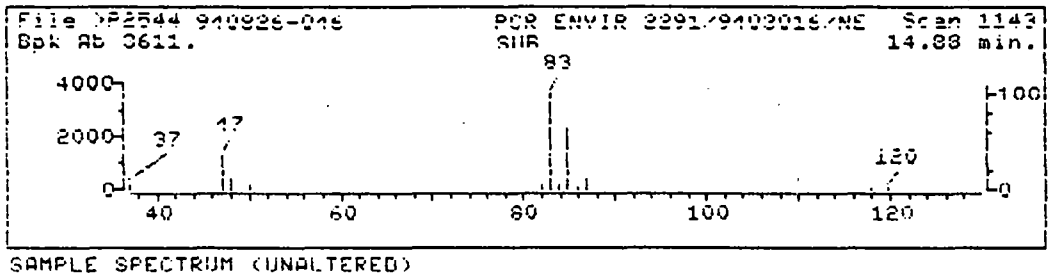
Operator ID: BUBBA
Quant Time: 940908 15:52
Injected at: 940908 15:22

Operator
Output

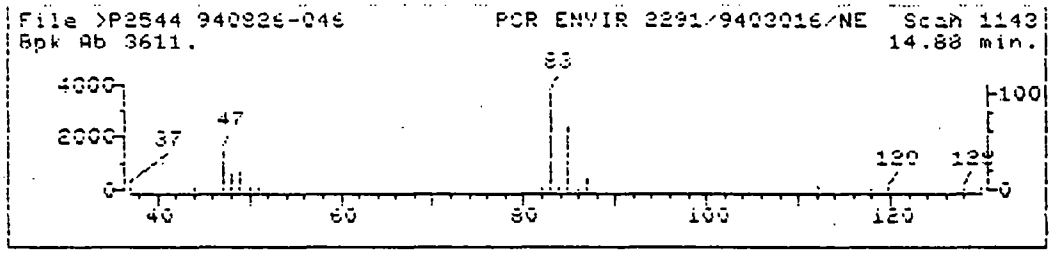
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2544::D2 Quant Output File: ^P2544::D1
Name: 940826-046
Misc: PCR ENVIR 2291/9403016/NEAT/JS
Quant Time: 940908 15:52 Quant ID File: IDCC01::B3
Injected at: 940908 15:22 Last Calibration: 940908 11:52

Compound No: 18
Compound Name: Chloroform
Scan Number: 1143
Retention Time: 14.88 min.
Quant Ion: 83.0
Area: 24929
Concentration: 31.46 PPB
q-value: 96

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SURROGATE DETAIL RESULTS

Sample#: 9408260030 Client ID: SBA-01
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	109	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	58	24 - 113	8270
2-Fluorobiphenyl	72	30 - 115	8270
Nitrobenzene-d5	66	23 - 120	8270
2-Fluorophenol	52	25 - 121	8270
2,4,6-Tribromophenol	49	19 - 122	8270
Terphenyl-d14	68	18 - 137	8270
Phenol-d6	51	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	117	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	118	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	106	74 - 121	ZHE 1311/8240

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	89	70 - 121	8240
4-Bromofluorobenzene	101	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	48	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	76	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	88	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000597

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SURROGATE DETAIL RESULTS

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	69	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	105	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	101	74 - 121	ZHE 1311/8240

Sample#: 9408260032 Client ID: SBA-03
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	37	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	69	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	25	10 - 123	TCLP 1311/8270
Terphenyl-d14	86	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	8240
1,2-Dichloroethane-d4	98	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	80	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	75	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	106	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	70	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	77	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240

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SURROGATE DETAIL RESULTS

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260035 Client ID: SBA-05(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d5	57	10 - 94	TCLP 1311/8270
2-Fluorophenol	54	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	8240
1,2-Dichloroethane-d4	97	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	44	10 - 94	TCLP 1311/8270
2-Fluorophenol	84	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	83	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	72	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260037 Client ID: SBA-06
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	100	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	42	10 - 94	TCLP 1311/8270
2-Fluorophenol	44	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	67	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	73	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

0000601

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SURROGATE DETAIL RESULTS

Sample#: 9408260038 Client ID: SBA-07
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	91	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	75	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	81	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	105	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	97	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHP 1311/8240

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	98	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	97	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	73	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000602

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SURROGATE DETAIL RESULTS

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	106	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	112	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	104	74 - 121	ZHE 1311/8240

Sample#: 9408260040 Client ID: SBA-09
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	106	81 - 117	8240
1,2-Dichloroethane-d4	104	70 - 121	8240
4-Bromofluorobenzene	120	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	40	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	79	10 - 123	TCLP 1311/8270
Terphenyl-d14	68	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	109	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	102	74 - 121	ZHE 1311/8240

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	20	10 - 94	TCLP 1311/8270
2-Fluorophenol	31	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	72	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	51	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHP 1311/8240

Sample#: 9408260042 Client ID: SBA-TB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	105	76 - 114	8240
4-Bromofluorobenzene	107	86 - 115	8240

Sample#: 9408260043 Client ID: SBA-FB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	88 - 110	8240
1,2-Dichloroethane-d4	87	76 - 114	8240
4-Bromofluorobenzene	87	86 - 115	8240

DO = Diluted Out

Report#: 9403016

0000604

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SURROGATE DETAIL RESULTS

Sample#: 9408260045 Client ID: SBA-ER01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	109	76 - 114	8240
4-Bromofluorobenzene	105	86 - 115	8240
Phenol-d6	43	10 - 94	8270
2-Fluorophenol	49	21 - 100	8270
Nitrobenzene-d5	81	35 - 114	8270
2-Fluorobiphenyl	73	43 - 116	8270
2,4,6-Tribromophenol	62	10 - 123	8270
Terphenyl-d14	75	33 - 141	8270

Sample#: 9408260046 Client ID: SBA-TB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	115	88 - 110	8240
1,2-Dichloroethane-d4	110	76 - 114	8240
4-Bromofluorobenzene	114	86 - 115	8240

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	87	81 - 117	8240
1,2-Dichloroethane-d4	94	70 - 121	8240
4-Bromofluorobenzene	103	74 - 121	8240
Phenol-d6	61	24 - 113	8270
2-Fluorobiphenyl	62	30 - 115	8270
Nitrobenzene-d5	58	23 - 120	8270
2-Fluorophenol	50	25 - 121	8270
2,4,6-Tribromophenol	39	19 - 122	8270
Terphenyl-d14	78	18 - 137	8270
Phenol-d6	15	10 - 94	TCLP 1311/8270
2-Fluorophenol	15*	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	77	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	71	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	43	10 - 123	TCLP 1311/8270
Terphenyl-d14	85	33 - 141	TCLP 1311/8270

Report#: 9403016

Inchcape Testing Services
Environmental Laboratories

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SURROGATE DETAIL RESULTS

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	105	74 - 121	ZHE 1311/8240

Sample#: 9408260049 Client ID: SBA-12
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	99	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	67	24 - 113	8270
2-Fluorobiphenyl	68	30 - 115	8270
Nitrobenzene-d5	63	23 - 120	8270
2-Fluorophenol	54	25 - 121	8270
2,4,6-Tribromophenol	33	19 - 122	8270
Terphenyl-d14	74	18 - 137	8270
Phenol-d6	46	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	70	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	78	10 - 123	TCLP 1311/8270
Terphenyl-d14	81	33 - 141	TCLP 1311/8270
Toluene-d8	114	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	110	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	90	70 - 121	8240
4-Bromofluorobenzene	90	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270

Report#: 9403016
DO = Diluted Out

0000606

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
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SURROGATE DETAIL RESULTS

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	43	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	71	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	80	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	99	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260051 Client ID: SBA-13(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	96	70 - 121	8240
4-Bromofluorobenzene	102	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	34	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	87	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	81	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	58	10 - 123	TCLP 1311/8270
Terphenyl-d14	102	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

0000607

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SURROGATE DETAIL RESULTS

Sample#: 9408260052 Client ID: SBA-13(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	92	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	35	10 - 94	TCLP 1311/8270
2-Fluorophenol	38	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	89	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	83	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	65	10 - 123	TCLP 1311/8270
Terphenyl-d14	110	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	98	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	32	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000608

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
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SURROGATE DETAIL RESULTS

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	66	10 - 123	TCLP 1311/8270
Terphenyl-d14	88	33 - 141	TCLP 1311/8270
Toluene-d8	107	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	103	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Report#: 9403016

0000609

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PRINE Calibration Date: 08/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>P2151	>P2152	>P2153	>P2154	>P2156					
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC	
Chloromethane	1.57256	1.47968	1.34179	1.33642	1.31515	1.40912	7.961		**	
Vinyl chloride	1.47301	1.43734	1.32821	1.35319	1.30967	1.38028	5.159	*		
Chloroethane	.73529	.73227	.69707	.69280	.68110	.70771	3.467			
Bromomethane	1.36559	1.31816	1.20556	1.18108	1.12415	1.23891	8.067			
Trichlorofluoromethane	2.72059	2.74513	2.51754	2.14518	1.89259	2.40421	15.535			
-Dichloroethene	1.51295	1.47149	1.35846	1.40769	1.35664	1.42145	4.878	*		
crolein	.07486	.08929	.09791	.10302	.93172	.25936	144.976			(Conc=100.0,250.0,500.0,750.0,100
Carbon disulfide	4.43779	4.45737	4.25736	4.29421	4.28714	4.34677	2.147			
Acetone	.42272	.33739	.34385	.35074	.34593	.36013	9.807			
Methylene chloride	2.21859	1.93352	1.68505	1.71903	1.60040	1.83132	13.590			
t-1,2-Dichloroethene	1.73293	1.68788	1.57415	1.57185	1.57521	1.62841	4.700			
Acrylonitrile	.24782	.28956	.28882	.30679	.28482	.28356	7.650			(Conc=100.0,250.0,500.0,750.0,100
1,1-Dichloroethane	3.82716	3.70677	3.46520	3.43662	3.42024	3.57120	5.164		**	
Vinyl acetate	2.57777	2.88150	2.93678	2.95965	2.88317	2.84778	5.432			
cis-1,2-Dichloroethylene	7.82740	7.47832	6.60294	7.00350	6.56916	7.09626	7.752			
2-Butanone	.08345	.10099	.10493	.10734	.10611	.10056	9.801			(Conc=100.0,250.0,500.0,750.0,100
Chloroform	3.83442	3.57234	3.31176	3.36710	3.26883	3.47089	6.747	*		
1,1,1-Trichloroethane	3.04648	2.94707	2.73024	2.79517	2.66173	2.83614	5.571			
Carbon tetrachloride	.60664	.52567	.49886	.60832	.55647	.55919	8.686			
1,2-DICHLOROETHANE-D4	.43391	.43377	.42009	.39187	.37960	.41185	6.039			
1,2-Dichloroethane	.49326	.49523	.47382	.46844	.45558	.47726	3.535			
nzene	1.06890	1.03141	.95133	.91854	.90967	.97597	7.247			
chloroethene	.40525	.39856	.36608	.37054	.36866	.38182	4.860			
1,2-Dichloropropane	.48884	.47750	.45188	.45231	.44089	.46228	4.329	*		
Bromodichloromethane	.65235	.68799	.68829	.70031	.69940	.68567	2.848			
2-Choloroethyl vinyl ether	.18744	.21321	.22542	.22143	-	.21188	8.054			
c-1,3-Dichloropropene	.54818	.57750	.56744	.58101	.57337	.56950	2.273			
4-Methyl-2-pentanone	.44730	.44364	.43882	.43044	.39431	.43090	4.968			
TOLUENE-D8	.98210	.93253	.88760	.82009	.80399	.88526	8.466			
Toluene	1.15173	1.07706	.99077	.97465	.95309	1.02946	8.062	*		
t-1,3-Dichloropropene	.41605	.45825	.45736	.46937	.45941	.45209	4.583			
1,1,2-Trichloroethane	.30121	.30478	.28918	.28581	.27349	.29089	4.317			

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PAINE Calibration Date: 08/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>P2151	>P2152	>P2153	>P2154	>P2156				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Tetrachloroethene	.75189	.66002	.60730	.62252	.60025	.64855	9.611		
Dibromochloromethane	.55502	.64375	.66318	.68454	.68375	.64605	8.295		
2-Hexanone	.32556	.36049	.38806	.38290	.35851	.36311	6.819		
1,2-Dibromoethane (EDB)	.68522	.72222	.69482	.73166	.68329	.70304	3.210		
Chlorobenzene	1.10281	1.00757	.94477	.92226	.92173	.97983	7.874		**
yl benzene	.48261	.46287	.44306	.43429	.43525	.45162	4.603	*	
p,m-Xylene	.60848	.57522	.55647	.54844	.54483	.56669	4.614		
o-Xylene	.60349	.58406	.55297	.54598	.54642	.56658	4.572		
Styrene	.99182	.98303	.95582	.94176	.93636	.96176	2.566		
Bromoform	.33770	.42386	.46509	.47795	.47370	.43566	13.500		**
BROMOFLUOROBENZENE	1.00762	.94211	.90821	.85350	.83860	.91001	7.544		
1,1,2,2-Tetrachloroethane	.70101	.75759	.78691	.75614	.72979	.74629	4.341		**
1,3-Dichlorobenzene	.80019	.75629	.71648	.75062	.71478	.74767	4.679		
1,4-Dichlorobenzene	1.03272	.97508	.87710	.90544	.90396	.93886	6.793		
1,2-Dichlorobenzene	.80734	.76687	.70002	.74766	.69744	.74387	6.251		
1,2-Dibromo-3-chloropropane	.08721	.11948	.13033	.13994	.13513	.12242	17.229		

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2151::A2
Data File: >P2151::03
Name: 20 PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 09:35
Injected at: 940826 09:05
Dilution Factor: 1.000000

ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

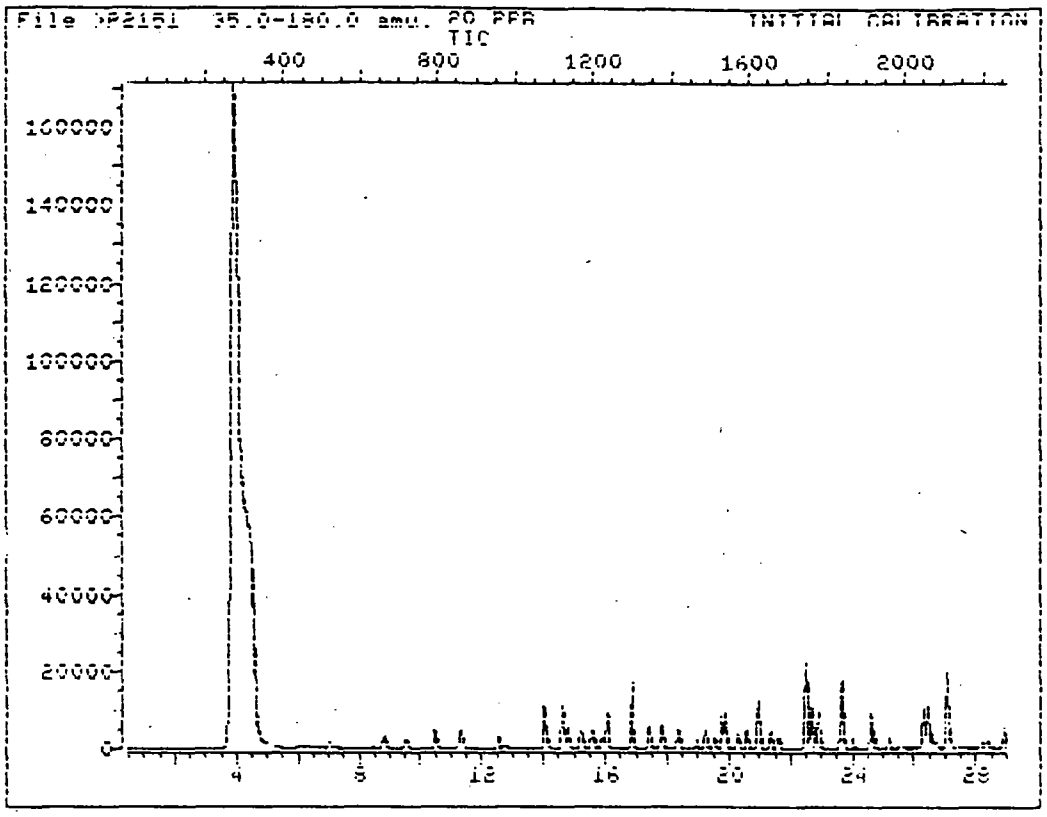
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1118	8262	50.00	PPB	7
2)	Chloromethane	4.91	353	5197M	22.75	PPB	8
3)	Vinyl chloride	5.25	380	4868	22.00	PPB	9
4)	Chloroethane	6.31	464	2430	21.02	PPB	8
5)	Bromomethane	6.06	444	4513M	21.64	PPB	
6)	Trichlorofluoromethane	7.03	521	8991	22.35	PPB	9
7)	Acrolein	8.49	637	1237	54.17	PPB	9
8)	1,1-Dichloroethene	8.78	660	5000	22.13	PPB	5
9)	Carbon disulfide	9.50	717	14666	21.21	PPB	9
10)	Acetone	9.10	685	1397M	28.43	PPB	
11)	Methylene chloride	10.49	795	7332	25.53	PPB	7
12)	t-1,2-Dichloroethene	11.33	862	5727	22.37	PPB	5
13)	Acrylonitrile	11.26	856	4095M	99.57	PPB	
14)	1,1-Dichloroethane	12.51	955	12648	23.75	PPB	8
15)	Vinyl acetate	12.75	974	8519	23.30	PPB	8
16)	cis-1,2-Dichloroethylene	14.02	1075	25868	24.81	PPB	8
17)	2-Butanone	14.10	1081	1379	85.00	PPB	8
18)	Chloroform	14.79	1136	12672	23.88	PPB	9
19)	1,1,1-Trichloroethane	15.21	1169	10068	24.02	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.82	1297	39599	50.00	PPB	8
21)	Carbon tetrachloride	15.59	1199	9609	25.08	PPB	9
22)	1,2-DICHLOROETHANE-D4	15.89	1223	6873	23.10	PPB	8
23)	1,2-Dichloroethane	16.05	1236	7813	21.38	PPB	9
24)	Benzene	16.03	1234	16961	23.54	PPB	10
25)	Trichloroethene	17.39	1342	6419	20.48	PPB	9
26)	1,2-Dichloropropane	17.82	1376	7743	22.75	PPB	9
27)	Bromodichloromethane	18.36	1419	10333	18.66	PPB	9
28)	2-Choloroethyl vinyl ether	18.93	1464	2969	15.49	PPB	7
29)	c-1,3-Dichloropropene	19.23	1488	8683	19.67	PPB	9
30)	4-Methyl-2-pentanone	19.50	1509	7085	23.80	PPB	8
31)	TOLUENE-D8	19.75	1529	15556	23.89	PPB	
32)	Toluene	19.88	1539	18243	23.76	PPB	
33)	t-1,3-Dichloropropene	20.26	1569	6590	18.51	PPB	
34)	1,1,2-Trichloroethane	20.60	1596	4771	20.44	PPB	
35)	*CHLOROBENZENE-D5	22.44	1742	30071	50.00	PPB	
36)	Tetrachloroethene	20.91	1621	9044	30.93	PPB	
37)	Dibromochloromethane	21.35	1656	6676	15.92	PPB	
38)	2-Hexanone	21.05	1632	3916M	19.73	PPB	
39)	1,2-Dibromoethane (EDB)	21.59	1675	6218	19.52	PPB	
40)	Chlorobenzene	22.49	1746	13265	23.02	PPB	
41)	Ethyl benzene	22.68	1761	5805	22.09	PPB	
42)	p,m-Xylene	22.88	1777	7319M	22.76	PPB	
43)	o-Xylene	23.61	1835	7259	21.90	PPB	

0000612

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.63	1836	11930	21.23	PPB	85
45)	Bromoform	24.02	1867	4062	13.16	PPB	9[illegible]
46)	BROMOFLUOROBENZENE	24.55	1909	12120	22.51	PPB	7[illegible]
47)	1,1,2,2-Tetrachloroethane	24.72	1923	8432	20.47	PPB	9[illegible]
48)	1,3-Dichlorobenzene	26.29	2047	8625	20.69	PPB	9[illegible]
49)	1,4-Dichlorobenzene	26.43	2058	12422	21.35	PPB	9[illegible]
50)	1,2-Dichlorobenzene	27.06	2108	9711	55.03	PPB	9[illegible]
51)	1,2-Dibromo-3-chloropropane	28.37	2212	1049M	21.05	PPB	

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2151::D3 Quant Output File: ^P2151::A2
Name: 20 PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 09:35
Injected at: 940826 09:05

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2152::A2
Data File: >P2152::D3
Name: 50 PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:12
Injected at: 940826 09:42
Dilution Factor: 1.000000

ID File: ID1NM1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

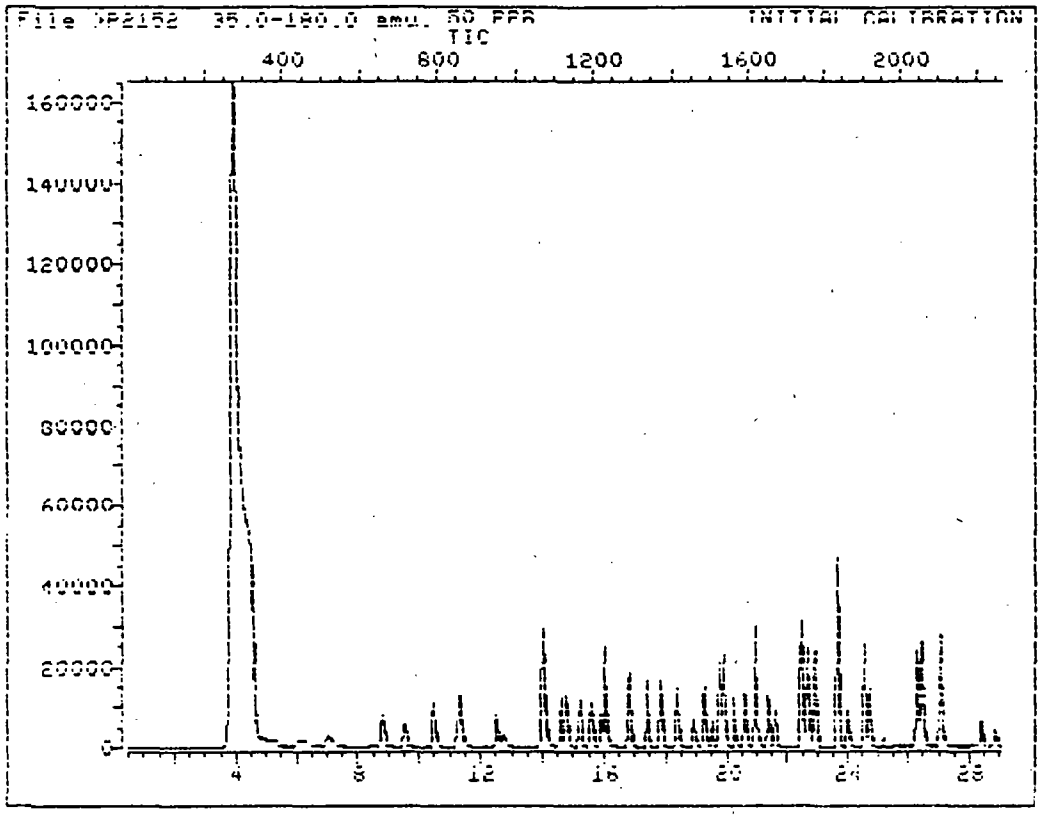
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.57	1118	8785	50.00	PPB	75
2)	Chloromethane	4.96	357	12388	53.51	PPB	93
3)	Vinyl chloride	5.24	379	12627	53.68	PPB	96
4)	Chloroethane	6.32	465	6433M	52.32	PPB	96
5)	Bromomethane	6.02	441	11580M	52.22	PPB	98
6)	Trichlorofluoromethane	7.02	520	24116	56.39	PPB	93
7)	Acrolein	8.48	636	3922	161.52	PPB	98
8)	1,1-Dichloroethene	8.76	658	12927	53.82	PPB	58
9)	Carbon disulfide	9.48	715	39158	53.26	PPB	95
10)	Acetone	9.09	684	2964	56.73	PPB	95
11)	Methylene chloride	10.45	792	16986	55.61	PPB	78
12)	t-1,2-Dichloroethene	11.32	861	14828	54.48	PPB	59
13)	Acrylonitrile	11.23	854	12719	290.84	PPB	95
14)	1,1-Dichloroethane	12.50	954	32564	57.51	PPB	91
15)	Vinyl acetate	12.71	971	25314	65.10	PPB	88
16)	cis-1,2-Dichloroethylene	14.00	1073	65687	59.25	PPB	87
17)	2-Butanone	14.05	1077	4436	257.16	PPB	87
18)	Chloroform	14.77	1134	31383	55.61	PPB	98
19)	1,1,1-Trichloroethane	15.18	1167	25890	58.09	PPB	93
20)	*1,4-DIFLUOROBENZENE	16.81	1296	41617	50.00	PPB	87
21)	Carbon tetrachloride	15.58	1198	21877	54.34	PPB	94
22)	1,2-DICHLOROETHANE-D4	15.87	1221	18852	57.72	PPB	83
23)	1,2-Dichloroethane	16.02	1233	20610	53.67	PPB	94
24)	Benzene	16.00	1232	42924	56.80	PPB	100
25)	Trichloroethene	17.37	1340	16587	50.15	PPB	97
26)	1,2-Dichloropropane	17.80	1374	19872	55.56	PPB	99
27)	Bromodichloromethane	18.34	1417	28632	49.21	PPB	97
28)	2-Choloroethyl vinyl ether	18.91	1462	8873	44.85	PPB	90
29)	c-1,3-Dichloropropene	19.21	1486	24034	51.82	PPB	97
30)	4-Methyl-2-pentanone	19.49	1508	18463	59.02	PPB	87
31)	TOLUENE-D8	19.74	1528	38809	56.70	PPB	92
32)	Toluene	19.87	1538	44874	55.55	PPB	98
33)	t-1,3-Dichloropropene	20.23	1567	19071	50.98	PPB	95
34)	1,1,2-Trichloroethane	20.59	1595	12684	51.70	PPB	92
35)	*CHLOROBENZENE-D5	22.42	1740	31579	50.00	PPB	90
36)	Tetrachloroethene	20.90	1620	20868	67.96	PPB	94
37)	Dibromochloromethane	21.35	1655	20329	46.16	PPB	98
38)	2-Hexanone	21.03	1630	11384	54.62	PPB	92
39)	1,2-Dibromoethane (EDB)	21.59	1674	22807	51.57	PPB	88
40)	Chlorobenzene	22.47	1744	31818	52.58	PPB	89
41)	Ethyl benzene	22.66	1759	14617	52.97	PPB	95
42)	p,m-Xylene	22.86	1775	18185M	52.61	PPB	96
43)	o-Xylene	23.59	1833	18444	52.98	PPB	97

0000615

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.61	1864	31043	52.60	PPB	91
45)	Bromoform	23.98	1864	13385	41.31	PPB	94
46)	BROMOFLUOROBENZENE	24.54	1918	29751	52.63	PPB	66
47)	1,1,2,2-Tetrachloroethane	24.70	1921	23924	55.30	PPB	98
48)	1,3-Dichlorobenzene	26.26	2044	23883	48.89	PPB	96
49)	1,4-Dichlorobenzene	26.40	2055	30792	50.40	PPB	93
50)	1,2-Dichlorobenzene	27.04	2106	24217	130.69	PPB	98
51)	1,2-Dibromo-3-chloropropane	28.35	2210	3773	72.11	PPB	87

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2152::D3 Quant Output File: ^P2152::A2
Name: 50 PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:12
Injected at: 940826 09:42

QUANT REPORT

Operator ID: BURBA
Output File: ^P2153::A2
Data File: >P2153::D3
Name: 100PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:49
Injected at: 940826 10:19
Dilution Factor: 1.00000

ID File: 1DINW1::A3
Title: VOA 1DFILE
Last Calibration: 940822 10:41

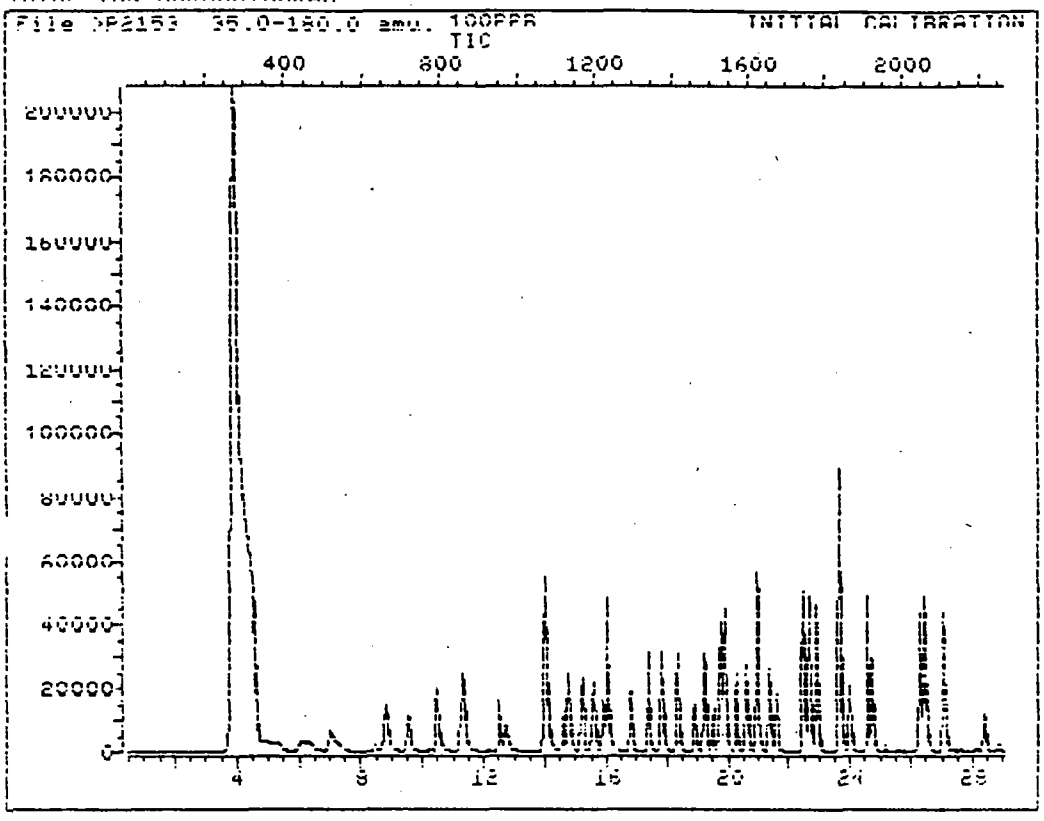
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1116	9238	50.00	PPB	75
2)	Chloromethane	4.66	357	24791	97.05	PPB	98
3)	Vinyl chloride	5.24	379	24540M	99.20	PPB	94
4)	Chloroethane	6.30	463	12879	99.62	PPB	95
5)	Bromomethane	6.08	446	22274	95.52	PPB	96
6)	Trichlorofluoromethane	7.03	521	46514	103.43	PPB	94
7)	Acrolein	8.46	634	9045	354.23	PPB	96
8)	1,1-Dichloroethene	8.75	657	25099	99.37	PPB	57
9)	Carbon disulfide	9.49	716	78659	101.75	PPB	97
10)	Acetone	9.05	681	6353	115.63	PPB	91
11)	Methylene chloride	10.44	791	31133	96.93	PPB	75
12)	t-1,2-Dichloroethene	11.31	860	29084	101.62	PPB	61
13)	Acrylonitrile	11.21	852	26681	580.19	PPB	94
14)	1,1-Dichloroethane	12.48	953	64023	107.53	PPB	93
15)	Vinyl acetate	12.70	970	54260M	132.70	PPB	88
16)	cis-1,2-Dichloroethylene	13.98	1072	121986	104.63	PPB	87
17)	2-Butanone	14.04	1076	9693	534.35	PPB	85
18)	Chloroform	14.76	1133	61188	103.11	PPB	95
19)	1,1,1-Trichloroethane	15.18	1167	50444	107.63	PPB	95
20)	*1,4-DIFLUOROBENZENE	16.81	1296	43055	50.00	PPB	86
21)	Carbon tetrachloride	15.56	1197	42957	103.13	PPB	97
22)	1,2-DICHLOROETHANE-D4	15.85	1220	36174	111.80	PPB	83
23)	1,2-Dichloroethane	16.02	1233	40801	102.70	PPB	95
24)	Benzene	15.99	1231	81919	104.78	PPB	101
25)	Trichloroethene	17.36	1339	31523	92.12	PPB	98
26)	1,2-Dichloropropane	17.79	1373	38911	105.16	PPB	98
27)	Bromodichloromethane	18.34	1417	59269	98.46	PPB	95
28)	2-Choloroethyl vinyl ether	18.90	1461	19411M	93.14	PPB	91
29)	c-1,3-Dichloropropene	19.20	1485	48862	101.83	PPB	95
30)	4-Methyl-2-pentanone	19.48	1507	37787	116.77	PPB	87
31)	TOLUENE-D8	19.73	1527	76431	107.94	PPB	96
32)	Toluene	19.86	1537	85315	102.19	PPB	94
33)	t-1,3-Dichloropropene	20.22	1566	39383	101.76	PPB	94
34)	1,1,2-Trichloroethane	20.58	1594	24901	98.10	PPB	94
35)	*CHLOROBENZENE-D5	22.42	1740	31567	50.00	PPB	88
36)	Tetrachloroethene	20.91	1620	38341	124.92	PPB	99
37)	Dibromochloromethane	21.35	1655	41869	95.11	PPB	99
38)	2-Hexanone	21.02	1629	24500	117.60	PPB	91
39)	1,2-Dibromoethane (EDB)	21.58	1673	43867	99.23	PPB	94
40)	Chlorobenzene	22.47	1744	59647	98.61	PPB	92
41)	Ethyl benzene	22.65	1758	27972	101.41	PPB	95
42)	p,m-Xylene	22.85	1774	35132M	101.78	PPB	95
43)	o-Xylene	23.58	1832	34911	100.32	PPB	97

0000618

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.61	1834	60345	102.29	PPB	91
45)	Bromoform	23.98	1863	29363	90.65	PPB	98
46)	BROMOFLUOROBENZENE	24.53	1907	57339	101.47	PPB	65
47)	1,1,2,2-Tetrachloroethane	24.69	1920	49681	114.87	PPB	97
48)	1,3-Dichlorobenzene	26.26	2044	45234	92.63	PPB	98
49)	1,4-Dichlorobenzene	26.39	2054	55375	90.66	PPB	98
50)	1,2-Dichlorobenzene	27.03	2105	44165	238.09	PPB	96
51)	1,2-Dibromo-3-chloropropane	28.36	2210	8228	157.31	PPB	75

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2153::D3 Quant Output File: ^P2153::A2
Name: 100PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:49
Injected at: 940826 10:19

QUANT REPORT

Operator ID: BUBBA
Output File: ^F2154::A2
Data File: >F2154::D3
Name: 150PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 11:27
Injected at: 940826 10:57
Dilution Factor: 1.00000

ID File: IDINU1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

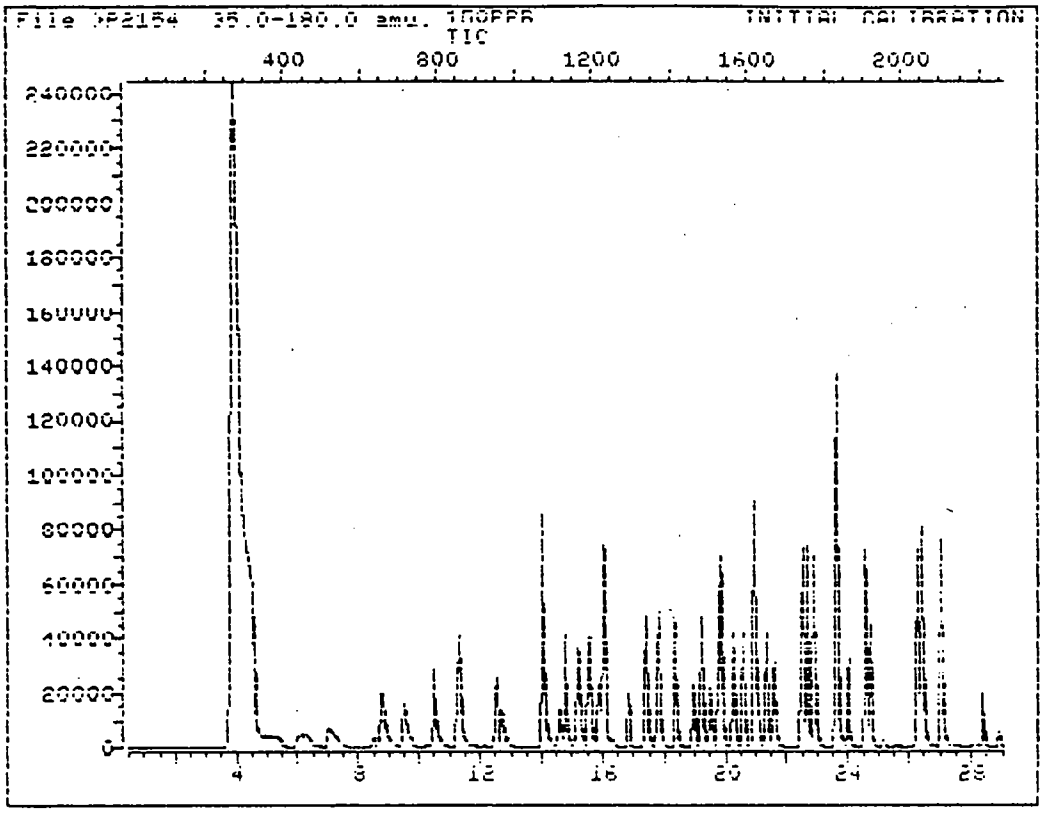
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1115	9517	50.00	PPB	75
2)	Chloromethane	4.53	304	381356M	144.99	PPB	97
3)	Vinyl chloride	5.25	379	38635	151.60	PPB	98
4)	Chloroethane	6.27	460	19780	148.51	PPB	94
5)	Bromomethane	6.07	444	33721M	140.38	PPB	99
6)	Trichlorofluoromethane	6.99	517	61247M	132.19	PPB	97
7)	Acrolein	8.49	636	14707	559.08	PPB	98
8)	1,1-Dichloroethene	8.76	657	40191	154.46	PPB	55
9)	Carbon disulfide	9.48	714	122604	153.95	PPB	97
10)	Acetone	9.11	685	10014	176.92	PPB	97
11)	Methylene chloride	10.45	791	49080	148.33	PPB	76
12)	t-1,2-Dichloroethene	11.31	859	44878	152.20	PPB	56
13)	Acrylonitrile	11.24	854	43796	924.44	PPB	95
14)	1,1-Dichloroethane	12.48	952	98119	159.97	PPB	91
15)	Vinyl acetate	12.70	969	84501M	200.60	PPB	87
16)	cis-1,2-Dichloroethylene	13.98	1071	199957	166.46	PPB	86
17)	2-Butanone	14.06	1077	15323	819.96	PPB	85
18)	Chloroform	14.75	1132	96134	157.25	PPB	93
19)	1,1,1-Trichloroethane	15.17	1165	79805	165.28	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.80	1294	44719	50.00	PPB	85
21)	Carbon tetrachloride	15.55	1195	81611	188.64	PPB	98
22)	1,2-DICHLOROETHANE-D4	15.85	1219	52572	156.44	PPB	87
23)	1,2-Dichloroethane	16.01	1231	62844	152.30	PPB	98
24)	Benzene	15.98	1229	123229	151.75	PPB	100
25)	Trichloroethene	17.34	1337	49710	139.87	PPB	96
26)	1,2-Dichloropropane	17.79	1372	60680	157.89	PPB	96
27)	Bromodichloromethane	18.33	1415	93951	150.27	PPB	99
28)	2-Choloroethyl vinyl ether	18.80	1460	29707M	137.24	PPB	96
29)	c-1,3-Dichloropropene	19.19	1483	77946	156.40	PPB	95
30)	4-Methyl-2-pentanone	19.47	1505	57747	171.80	PPB	87
31)	TOLUENE-D8	19.72	1525	110021	149.60	PPB	96
32)	Toluene	19.85	1535	130756	150.80	PPB	96
33)	t-1,3-Dichloropropene	20.22	1565	62969	156.64	PPB	93
34)	1,1,2-Trichloroethane	20.57	1592	38344	145.44	PPB	94
35)	*CHLOROBENZENE-D5	22.41	1738	33060	50.00	PPB	85
36)	Tetrachloroethene	20.89	1618	61742	192.08	PPB	95
37)	Dibromochloromethane	21.34	1653	67893	147.27	PPB	99
38)	2-Hexanone	21.01	1627	37976	174.08	PPB	92
39)	1,2-Dibromoethane (EDB)	21.56	1671	72566	156.74	PPB	93
40)	Chlorobenzene	22.46	1742	91470	144.38	PPB	94
41)	Ethyl benzene	22.64	1756	43073	149.10	PPB	97
42)	p,m-Xylene	22.85	1773	94394M	150.48	PPB	95
43)	o-Xylene	23.59	1831	54150	148.57	PPB	98

T290000

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.60	1832	93404	151.18	PPB	92
45)	Bromoform	23.96	1861	47403	139.74	PPB	91
46)	BROMOFLUOROBENZENE	24.52	1905	84630	143.03	PPB	68
47)	1,1,2,2-Tetrachloroethane	24.70	1919	74994	165.57	PPB	97
48)	1,3-Dichlorobenzene	26.25	2042	74446	145.57	PPB	97
49)	1,4-Dichlorobenzene	26.39	2053	89802	140.39	PPB	95
50)	1,2-Dichlorobenzene	27.02	2103	74153	382.24	PPB	98
51)	1,2-Dibromo-3-chloropropane	28.34	2207	13879	253.37	PPB	87

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2154::D3 Quant Output File: ^P2154::A2
Name: 150PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 11:27
Injected at: 940826 10:57

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2156::A2
Data File: >P2156::D3
Name: 200PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 13:28
Injected at: 940826 12:58
Dilution Factor: 1.00000

ID File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

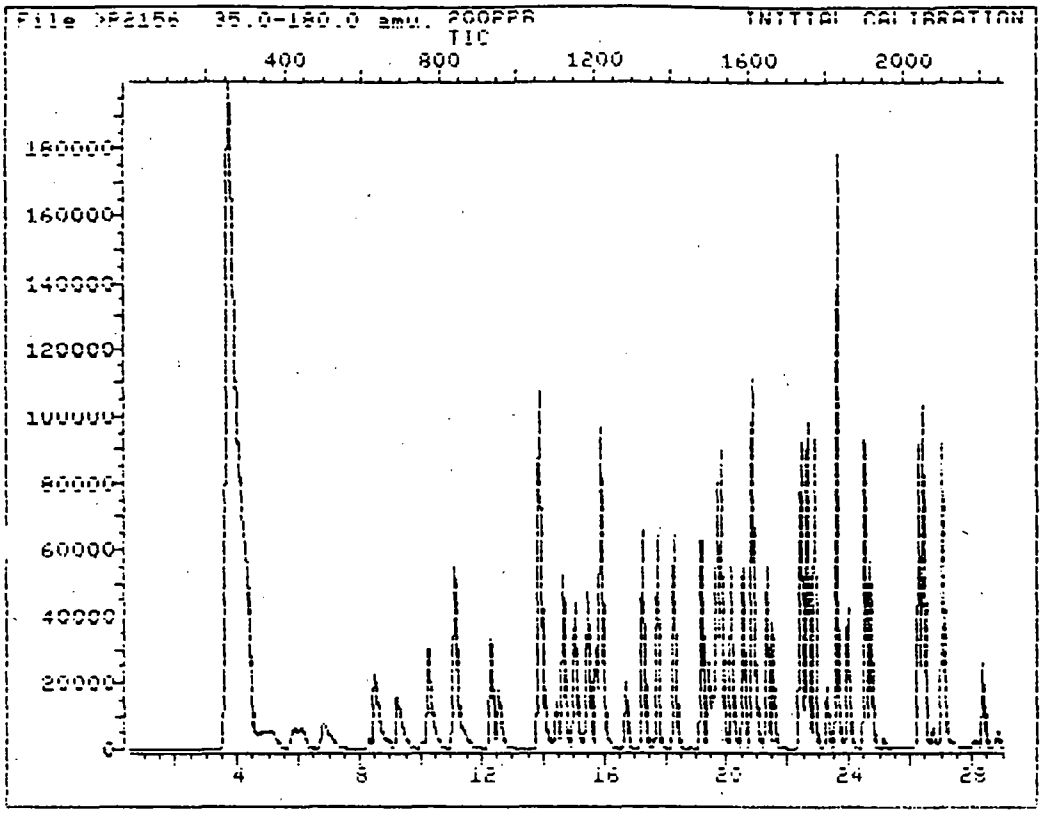
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.39	1101	9666	50.00	PPB	70
2)	Chloromethane	4.78	340	50849	190.24	PPB	95
3)	Vinyl chloride	5.07	363	50637	185.64	PPB	94
4)	Chloroethane	6.07	442	26334	194.67	PPB	98
5)	Bromomethane	5.86	425	43464	178.15	PPB	91
6)	Trichlorofluoromethane	6.78	498	731?5M	185.50	PPB	97
7)	Acrolein	8.26	615	18012	674.17	PPB	99
8)	1,1-Dichloroethene	8.48	633	52453	188.47	PPB	56
9)	Carbon disulfide	9.20	690	165?58	204.92	PPB	98
10)	Acetone	8.89	665	13375	232.66	PPB	90
11)	Methylene chloride	10.21	770	61878	184.13	PPB	72
12)	t-1,2-Dichloroethene	11.08	839	60984	203.37	PPB	62
13)	Acrylonitrile	11.05	836	55062	1144.33	PPB	95
14)	1,1-Dichloroethane	12.30	935	132240	212.27	PPB	92
15)	Vinyl acetate	12.54	954	1114?5M	260.56	PPB	86
16)	cis-1,2-Dichloroethylene	13.84	1057	253990	208.13	PPB	88
17)	2-Butanone	13.91	1063	20513	1080.76	PPB	88
18)	Chloroform	14.62	1119	126386	203.55	PPB	94
19)	1,1,1-Trichloroethane	15.04	1152	102913	209.86	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.69	1283	45026	50.00	PPB	90
21)	Carbon tetrachloride	15.44	1184	100222	230.08	PPB	98
22)	1,2-DICHLOROETHANE-D4	15.73	1207	68367	202.85	PPB	81
23)	1,2-Dichloroethane	15.90	1220	82051	197.49	PPB	96
24)	Benzene	15.88	1219	163836	200.37	PPB	100
25)	Trichloroethene	17.25	1327	66398	185.55	PPB	96
26)	1,2-Dichloropropane	17.69	1362	79486	205.20	PPB	99
27)	Bromodichloromethane	18.25	1406	125964	200.10	PPB	99
29)	c-1,3-Dichloropropene	19.12	1475	103266	205.79	PPB	93
30)	4-Methyl-2-pentanone	19.41	1498	71016	209.84	PPB	88
31)	TOLUENE-D8	19.65	1517	144802	195.55	PPB	94
32)	Toluene	19.79	1528	171655	196.62	PPB	92
33)	t-1,3-Dichloropropene	20.17	1558	82742	204.43	PPB	93
34)	1,1,2-Trichloroethane	20.52	1586	49256	185.56	PPB	97
35)	*CHLOROBENZENE-D5	22.36	1732	32699	50.00	PPB	90
36)	Tetrachloroethene	20.84	1611	78510	246.94	PPB	98
37)	Dibromochloromethane	21.28	1646	89432	196.13	PPB	97
38)	2-Hexanone	20.98	1622	46892	217.29	PPB	92
39)	1,2-Dibromoethane (EDB)	21.52	1665	89371	195.17	PPB	93
40)	Chlorobenzene	22.48	1737	120559	192.48	PPB	92
41)	Ethyl benzene	22.61	1751	56929	199.24	PPB	95
42)	p,m-Xylene	22.82	1768	71261M	199.32	PPB	99
43)	o-Xylene	23.55	1826	71468	198.76	PPB	96
44)	Styrene	23.57	1827	122472	200.42	PPB	95

000624

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	23.93	1856	61958	184.66	PPB	93
46)	BROMOFLUOROBENZENE	24.49	1900	109685	187.38	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.68	1915	95453	213.06	PPB	99
48)	1,3-Dichlorobenzene	26.23	2038	93491	184.83	PPB	98
49)	1,4-Dichlorobenzene	26.37	2049	118234	186.88	PPB	98
50)	1,2-Dichlorobenzene	27.00	2099	91223	475.42	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.32	2203	17675	326.24	PPB	82

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2156::D3 Quant Output File: ^P2156::A2
Name: 200PPB
Misc: INITIAL CALIBRATION

Id File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 13:28
Injected at: 940826 12:58

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: 5995-C

Contractor: N/A Calibration Date: 08/28/94

Contract No: N/A

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>G6395	>G6396	>G6397	>G6398	>G6399				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Chloromethane	.95549	1.11828	1.09861	1.08355	.98025	1.04723	7.067		** ✓
Vinyl chloride	.67151	.79625	.74348	.71752	.64055	.71386	8.535	* ✓	
Chloroethane	.40703	.44727	.42884	.39034	.29046	.38479	16.653		
Bromomethane	.56348	.65883	.56631	.49038	.38608	.53302	19.057		
Chlorofluoromethane	-	-	-	-	-	-	-		
Olein	-	-	-	-	-	-	-		(Conc=100.0,250.0,500.0,750.0,100
1,1-Dichloroethene	.57760	.61042	.58854	.57930	.47059	.56529	9.646	* ✓	
Carbon disulfide	2.40228	2.52727	2.59515	2.55522	2.14123	2.44423	7.532		
Acetone	.15398	.17923	.17126	.15894	.14099	.16088	9.278		
Methylene chloride	.79344	.92279	.88216	.88511	.74753	.84621	8.602		
t-1,2-Dichloroethene	.95571	.82291	1.26890	1.20619	.70226	.99119	24.522		
1,1-Dichloroethane	3.06930	3.28821	3.29912	3.18879	2.63051	3.09519	8.910		** ✓
Acrylonitrile	-	-	-	-	-	-	-		(Conc=100.0,250.0,500.0,750.0,100
Vinyl acetate	2.45293	2.92177	2.82976	2.59494	2.32072	2.62402	9.586		
cis-1,2-Dichloroethene	2.66003	2.91824	2.92597	2.85949	2.41922	2.75659	7.876		
2-Butanone	.09481	.09245	.08803	.08547	.07526	.08720	8.726		(Conc=20.0,50.0,100.0,150.0,200.0
Chloroform	3.10561	3.37871	3.37703	3.29731	2.81175	3.19408	7.543	* ✓	
1,1,1-Trichloroethane	2.20481	2.32379	2.43212	2.36845	2.01669	2.26917	7.217		
Carbon tetrachloride	.35372	.36389	.37249	.34414	.29640	.34613	8.601		
1,2-DICHLOROETHANE-D4	.43136	.34677	.32748	.30738	.26059	.33472	18.764		
1,2-Dichloroethane	.34787	.38769	.35910	.32075	.27965	.33821	12.541		
Benzene	.86092	.90789	.85370	.76791	.62812	.80371	13.734		
Trichloroethene	.32691	.34584	.32703	.30207	.25793	.31196	10.889		
1,2-Dichloropropane	.36581	.40055	.39238	.36164	.30726	.36553	10.012	* ✓	
Bromodichloromethane	.47710	.53329	.51326	.48138	.41804	.48461	9.047		
2-Chloroethyl vinyl ether	.36581	.40055	.39238	.36164	.30726	.36553	10.012		
c-1,3-Dichloropropene	.47073	.51106	.51393	.46997	.41099	.47533	8.773		
4-Methyl-2-pentanone	.28121	.28791	.28409	.25925	.24547	.27158	6.763		
TOLUENE-D8	1.39239	1.04767	.91094	.83104	.65662	.96773	28.554		
Toluene	.96617	1.00793	.94086	.84023	.69550	.89014	14.054	* ✓	
t-1,3-Dichloropropene	.37802	.41967	.42331	.38902	.34663	.39133	8.087		
1,1,2-Trichloroethane	.21164	.24402	.23256	.20660	.18803	.21657	10.190		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000627

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: 5995-C

Contractor: N/A Calibration Date: 08/28/94

Contract No: N/A

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>G6395	>G6396	>G6397	>G6398	>G6399				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Tetrachloroethene	.34855	.34946	.36180	.33601	.31073	.34131	5.677		
Dibromochloromethane	.40997	.46285	.50958	.47280	.45207	.46145	7.803		
2-Hexanone	.19525	.22441	.22973	.21157	.21150	.21449	6.247		
1 2-Dibromoethane (EDB)	-	-	-	-	-	-	-		
orobenzene	.91145	.88808	.91436	.82128	.74040	.85512	8.687		** ✓
Ethyl benzene	.39648	.40173	.42719	.39338	.34656	.39307	7.432	* ✓	
p,m-Xylene	.90521	.89476	.85604	.75233	.64851	.81137	13.468		
o-Xylene	.50470	.49777	.47967	.39827	.34346	.44477	15.916		
Styrene	.85624	.84763	.81488	.69509	.58032	.75883	15.654		
Bromoform	.26532	.31219	.34114	.31190	.31007	.30812	8.824		** ✓
4-BROMOFLUOROBENZENE	.90389	.67239	.64261	.59234	.52420	.66709	21.556		
1,1,2,2-Tetrachloroethane	.30786	.35665	.38216	.35194	.34890	.34950	7.648		** ✓
1,3-Dichlorobenzene	-	-	-	-	-	-	-		
1,4-Dichlorobenzene	-	-	-	-	-	-	-		
1,2-Dichlorobenzene	-	-	-	-	-	-	-		
1,2-Dibromo-3-chloropropane	-	-	-	-	-	-	-		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000628

QUANT REPORT

Operator ID: JULES
Output File: ^G6395::A2
Data File: >G6395::A4
Name: 0827VSTD20
Misc: INITIAL CAL/HJP

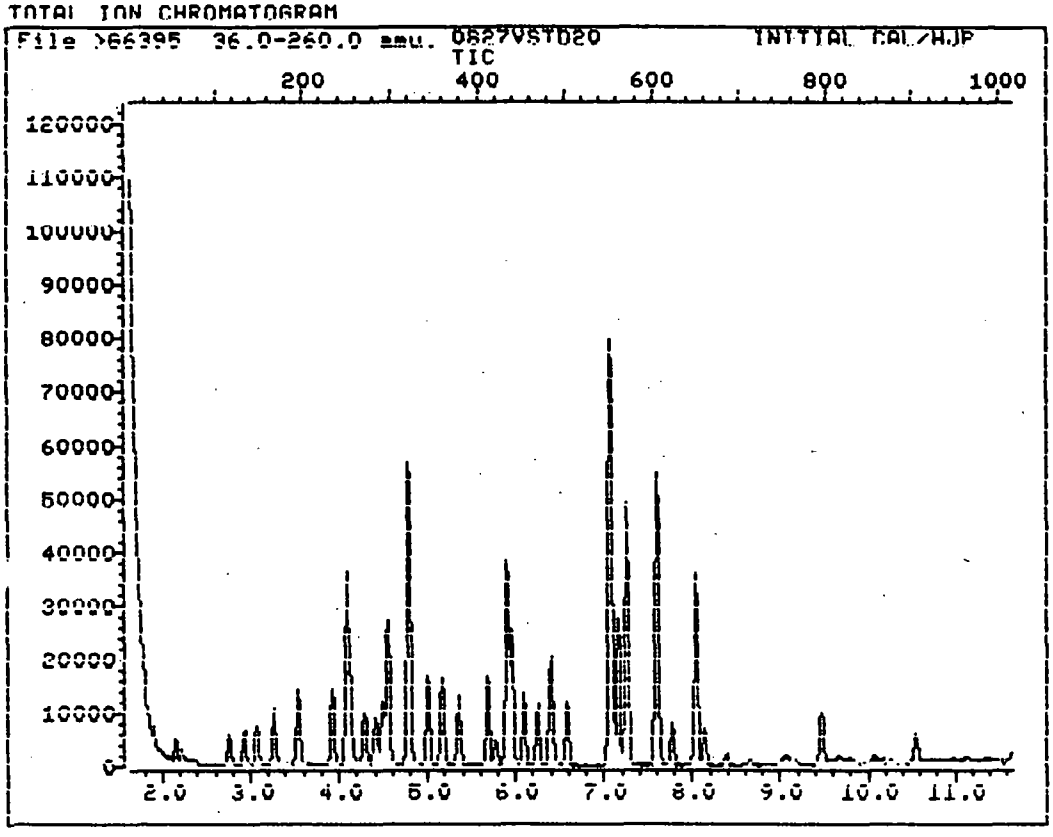
Quant Rev: 6 Quant Time: 940828 00:04
Injected at: 940827 23:51
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	251	11154	50.00	ug/L	75
2)	Chloromethane	1.83	22	4263	13.56	ug/L	94
3)	Vinyl chloride	1.90	29	2996	11.95	ug/L	92
4)	Chloroethane	2.22	61	1816	75.24	ug/L	96
5)	Bromomethane	2.15	54	2514	77.92	ug/L	91
8)	1,1-Dichloroethene	2.75	115	2577	15.41	ug/L	58
9)	Carbon disulfide	2.94	134	10718	18.46	ug/L	99
10)	Acetone	2.77	117	687	12.42	ug/L	96
11)	Methylene chloride	3.07	147	3540	21.00	ug/L	93
12)	t-1,2-Dichloroethene	3.27	167	4264	12.97	ug/L	63
14)	1,1-Dichloroethane	3.54	195	13694	18.33	ug/L	97
15)	Vinyl acetate	3.54	195	10944	17.43	ug/L	89
16)	cis-1,2-Dichloroethene	3.93	234	11868	10.26	ug/L	91
17)	2-Butanone	3.92	233	423	21.01	ug/L	92
18)	Chloroform	4.14	255	13856	18.20	ug/L	93
19)	1,1,1-Trichloroethane	4.29	271	9837	14.85	ug/L	99
20)	*1,4-DIFLUOROBENZENE	4.79	321	62854	50.00	ug/L	94
21)	Carbon tetrachloride	4.41	283	8893	14.49	ug/L	96
22)	1,2-DICHLOROETHANE-D4	4.49	291	10845	25.88	ug/L	89
23)	1,2-Dichloroethane	4.55	297	8746	18.19	ug/L	92
24)	Benzene	4.55	297	21645	17.58	ug/L	100
25)	Trichloroethene	5.01	343	8219	17.88	ug/L	89
26)	1,2-Dichloropropane	5.17	360	9197	19.55	ug/L	99
27)	Bromodichloromethane	5.36	379	11995	16.71	ug/L	99
28)	2-Chloroethyl vinyl ether	5.17	360	9197	43.50	ug/L	95
29)	c-1,3-Dichloropropene	5.69	412	11835	17.30	ug/L	93
30)	4-Methyl-2-pentanone	5.79	422	7070	18.97	ug/L	83
31)	TOLUENE-D8	5.90	434	35007	28.46	ug/L	92
32)	Toluene	5.95	439	24291	17.35	ug/L	97
33)	t-1,3-Dichloropropene	6.10	454	9504	16.82	ug/L	95
34)	1,1,2-Trichloroethane	6.25	469	5321	18.03	ug/L	95
35)	*CHLOROBENZENE-D5	7.07	552	55236	50.00	ug/L	98
36)	Tetrachloroethene	6.40	484	7701	16.32	ug/L	96
37)	Dibromochloromethane	6.59	503	9058	16.83	ug/L	97
38)	2-Hexanone	6.43	487	4314	16.17	ug/L	83
40)	Chlorobenzene	7.09	554	20138	19.92	ug/L	93
41)	Ethyl benzene	7.17	562	8760	16.48	ug/L	98
42)	p,m-Xylene	7.26	571	20000M	31.11	ug/L	97
43)	o-Xylene	7.59	605	11151	19.80	ug/L	84
44)	Styrene	7.60	606	18918	20.12	ug/L	97
45)	Bromoform	7.77	623	5862	14.61	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.05	651	19971	24.75	ug/L	94
47)	1,1,2,2-Tetrachloroethane	8.15	661	6802	14.19	ug/L	98

6290000

TOTAL ION CHROMATOGRAM



Data File: >G6395::A4 Quant Output File: ^G6395::A2
Name: 0827VSTD20
Misc: INITIAL CAL/HJP

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:04
Injected at: 940827 23:51

QUANT REPORT

Operator ID: JULES
Output File: ^G6396::A2
Data File: >G6396::A4
Name: 0827VSTD50
Misc: INITIAL CAL/HJP

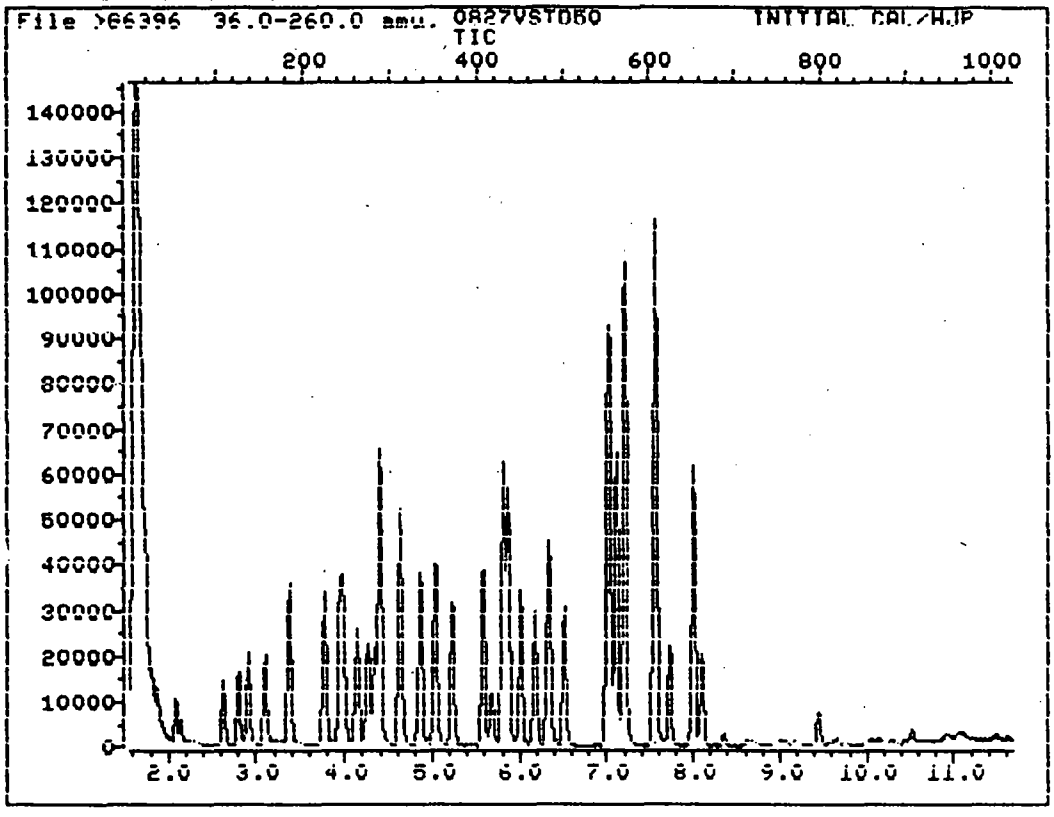
Quant Rev: 6
Quant Time: 940828 00:19
Injected at: 940828 00:07
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	3.94	242	10763	50.00	ug/L	75
2)	Chloromethane	1.82	27	12036	39.67	ug/L	95
3)	Vinyl chloride	1.88	33	8570	35.44	ug/L	95
4)	Chloroethane	2.15	60	4814	206.70	ug/L	91
5)	Bromomethane	2.09	54	7091	227.76	ug/L	91
8)	1,1-Dichloroethene	2.62	108	6570	40.71	ug/L	58
9)	Carbon disulfide	2.81	127	27201	48.56	ug/L	96
10)	Acetone	2.63	109	1929	36.15	ug/L	99
11)	Methylene chloride	2.92	138	9932	61.07	ug/L	84
12)	t-1,2-Dichloroethene	3.10	157	8857	27.91	ug/L	59
14)	1,1-Dichloroethane	3.37	184	35391	49.09	ug/L	91
15)	Vinyl acetate	3.37	184	31447	51.91	ug/L	89
16)	cis-1,2-Dichloroethene	3.77	225	31409	28.14	ug/L	94
17)	2-Butanone	3.76	224	995	51.21	ug/L	93
18)	Chloroform	3.98	246	36365	49.50	ug/L	94
19)	1,1,1-Trichloroethane	4.14	262	25011	39.14	ug/L	93
20)	*1,4-DIFLUOROBENZENE	4.64	312	60502	50.00	ug/L	91
21)	Carbon tetrachloride	4.26	274	22016	37.26	ug/L	90
22)	1,2-DICHLOROETHANE-D4	4.34	282	20980	52.02	ug/L	87
23)	1,2-Dichloroethane	4.40	288	23456	50.68	ug/L	96
24)	Benzene	4.40	288	54929	46.34	ug/L	100
25)	Trichloroethene	4.86	335	20924	47.28	ug/L	93
26)	1,2-Dichloropropane	5.03	352	24234	53.51	ug/L	97
27)	Bromodichloromethane	5.23	372	32265	46.69	ug/L	99
28)	2-Chloroethyl vinyl ether	5.03	352	24234	119.07	ug/L	98
29)	c-1,3-Dichloropropene	5.58	408	30920	46.95	ug/L	93
30)	4-Methyl-2-pentanone	5.68	418	17419	48.57	ug/L	88
31)	TOLUENE-D8	5.81	431	63386	53.54	ug/L	97
32)	Toluene	5.87	437	60982	45.26	ug/L	97
33)	t-1,3-Dichloropropene	6.02	452	25391M	46.69	ug/L	93
34)	1,1,2-Trichloroethane	6.18	468	14764	51.98	ug/L	95
35)	*CHLOROBENZENE-D5	7.00	551	51958	50.00	ug/L	92
36)	Tetrachloroethene	6.33	483	18157	40.91	ug/L	97
37)	Dibromochloromethane	6.51	502	24049	47.51	ug/L	91
38)	2-Hexanone	6.36	486	11660	46.48	ug/L	86
40)	Chlorobenzene	7.03	554	46143	48.53	ug/L	94
41)	Ethyl benzene	7.11	562	20873	41.75	ug/L	97
42)	p,m-Xylene	7.21	572	46490M	76.87	ug/L	98
43)	o-Xylene	7.54	606	25863	48.82	ug/L	86
44)	Styrene	7.56	608	44041	49.80	ug/L	96
45)	Bromoform	7.73	625	16221	42.98	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.01	653	34936	46.02	ug/L	94
47)	1,1,2,2-Tetrachloroethane	8.11	663	18531	41.10	ug/L	98

0000631

TOTAL ION CHROMATOGRAM



Data File: >G6396::A4 Quant Output File: ^G6396::A2
Name: 0827VSTD50
Misc: INITIAL CAL/HJP

Id File: 1DINW2::A3
Title: VOA 1DFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:19
Injected at: 940828 00:07

QUANT REPORT

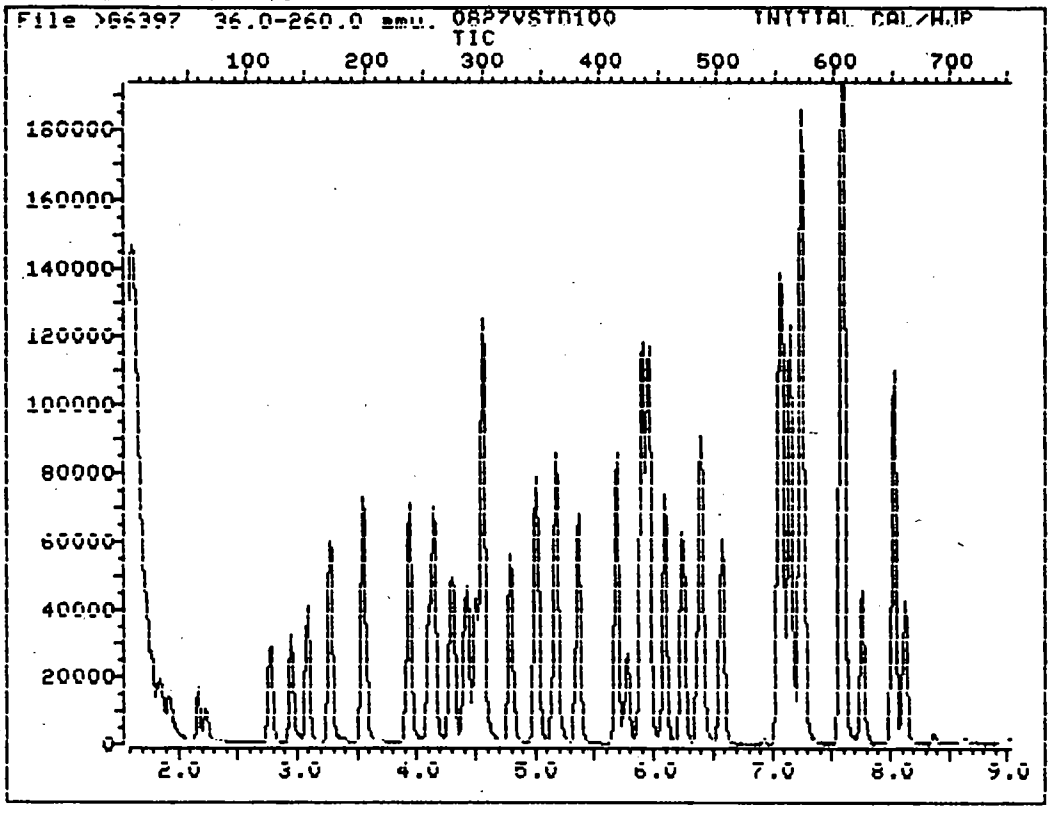
Operator ID: JULES Quant Rev: 6 Quant Time: 940828 00:34
Output File: ^G6397::A2 Injected at: 940828 00:25
Data File: >G6397::A4 Dilution Factor: 1.00000
Name: 0827VSTD100
Misc: INITIAL CAL/HJP

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	255	10820	50.00	ug/L	74
2)	Chloromethane	1.85	27	23774	77.95	ug/L	97
3)	Vinyl chloride	1.92	34	16089	66.18	ug/L	94
4)	Chloroethane	2.23	66	9280	396.36	ug/L	94
5)	Bromomethane	2.16	59	12255	391.55	ug/L	94
8)	1,1-Dichloroethene	2.77	120	12736	78.50	ug/L	56
9)	Carbon disulfide	2.95	138	56159	99.73	ug/L	96
10)	Acetone	2.79	122	3706	69.09	ug/L	97
11)	Methylene chloride	3.08	152	19090	116.76	ug/L	81
12)	t-1,2-Dichloroethene	3.27	171	27459	86.08	ug/L	66
14)	1,1-Dichloroethane	3.55	199	71393	98.50	ug/L	92
15)	Vinyl acetate	3.55	199	61236	100.55	ug/L	89
16)	cis-1,2-Dichloroethene	3.93	238	63318	56.43	ug/L	93
17)	2-Butanone	3.92	237	1905	97.52	ug/L	92
18)	Chloroform	4.14	259	73079	98.95	ug/L	99
19)	1,1,1-Trichloroethane	4.30	275	52631	81.92	ug/L	97
20)	*1,4-DIFLUOROBENZENE	4.78	324	62428	50.00	ug/L	98
21)	Carbon tetrachloride	4.42	287	46508	76.27	ug/L	99
22)	1,2-DICHLOROETHANE-D4	4.50	295	40888	98.25	ug/L	89
23)	1,2-Dichloroethane	4.56	301	44836	93.88	ug/L	95
24)	Benzene	4.56	301	106589	87.15	ug/L	100
25)	Trichloroethene	5.00	346	40832	89.41	ug/L	92
26)	1,2-Dichloropropane	5.17	363	48991	104.85	ug/L	98
27)	Bromodichloromethane	5.36	382	64083	89.87	ug/L	99
28)	2-Chloroethyl vinyl ether	5.17	363	48991	233.29	ug/L	97
29)	c-1,3-Dichloropropene	5.68	415	64167	94.43	ug/L	90
30)	4-Methyl-2-pentanone	5.77	424	35470	95.85	ug/L	92
31)	TOLUENE-D8	5.90	437	113736	93.10	ug/L	94
32)	Toluene	5.95	442	117472	84.49	ug/L	87
33)	t-1,3-Dichloropropene	6.09	456	52853	94.18	ug/L	93
34)	1,1,2-Trichloroethane	6.24	471	29037	99.09	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	553	48592	50.00	ug/L	95
36)	Tetrachloroethene	6.39	486	35161	84.70	ug/L	93
37)	Dibromochloromethane	6.58	505	49523	104.61	ug/L	98
38)	2-Hexanone	6.42	489	22326	95.15	ug/L	93
40)	Chlorobenzene	7.08	556	88861	99.93	ug/L	93
41)	Ethyl benzene	7.15	563	41516	88.78	ug/L	99
42)	p,m-Xylene	7.25	573	83193M	147.08	ug/L	96
43)	o-Xylene	7.57	606	46616	94.08	ug/L	98
44)	Styrene	7.59	608	79193	95.76	ug/L	91
45)	Bromoform	7.76	625	33153	93.92	ug/L	96
46)	4-BROMOFLUOROBENZENE	8.03	652	62451	87.97	ug/L	97
47)	1,1,2,2-Tetrachloroethane	8.13	662	37140	88.09	ug/L	92

000633

TOTAL ION CHROMATOGRAM



Data File: >G6397::A4 Quant Output File: ^G6397::A2
Name: 0827VSTD100
Misc: INITIAL CAL/HJP

Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:34
Injected at: 940828 00:25

QUANT REPORT

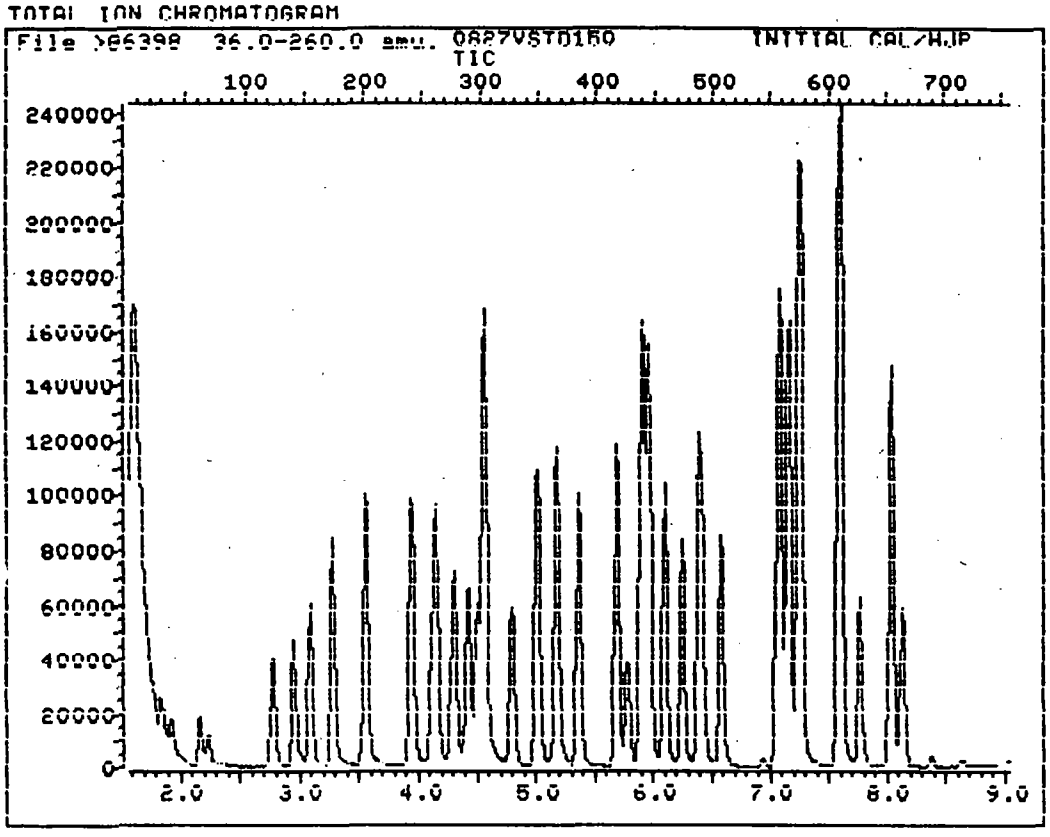
Operator ID: JULES Quant Rev: 6 Quant Time: 940828 00:49
Output File: ^G6398::A2 Injected at: 940828 00:40
Data File: >G6398::A4 Dilution Factor: 1.00000
Name: 0827VSTD150
Misc: INITIAL CAL/HJP

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.11	258	10744	50.00	ug/L	83
2)	Chloromethane	1.84	29	34925	115.32	ug/L	93
3)	Vinyl chloride	1.92	37	23127	95.80	ug/L	99
4)	Chloroethane	2.24	69	11292	485.70	ug/L	94
5)	Bromomethane	2.17	62	15806	508.58	ug/L	98
8)	1,1-Dichloroethene	2.77	123	18672	115.91	ug/L	55
9)	Carbon disulfide	2.95	141	82360	147.29	ug/L	96
10)	Acetone	2.80	126	5123	96.18	ug/L	99
11)	Methylene chloride	3.09	155	28529	175.73	ug/L	81
12)	t-1,2-Dichloroethene	3.27	174	38878	122.74	ug/L	62
14)	1,1-Dichloroethane	3.55	202	102781	142.81	ug/L	91
15)	Vinyl acetate	3.56	203	83640	138.31	ug/L	88
16)	cis-1,2-Dichloroethene	3.94	241	92167	82.72	ug/L	90
17)	2-Butanone	3.93	240	2755	142.04	ug/L	94
18)	Chloroform	4.14	262	106279	144.93	ug/L	97
19)	1,1,1-Trichloroethane	4.30	278	76340	119.67	ug/L	98
20)	*1,4-DIFLUOROBENZENE	4.80	328	64515	50.00	ug/L	95
21)	Carbon tetrachloride	4.43	291	66606	105.70	ug/L	99
22)	1,2-DICHLOROETHANE-D4	4.50	298	59492	138.34	ug/L	87
23)	1,2-Dichloroethane	4.56	304	62080	125.79	ug/L	95
24)	Benzene	4.56	304	148625	117.60	ug/L	100
25)	Trichloroethene	5.02	350	58464	123.88	ug/L	96
26)	1,2-Dichloropropane	5.17	366	69994	144.95	ug/L	99
27)	Bromodichloromethane	5.36	385	93169	126.44	ug/L	92
28)	2-Chloroethyl vinyl ether	5.17	366	69994	322.52	ug/L	96
29)	c-1,3-Dichloropropene	5.69	418	90960	129.53	ug/L	92
30)	4-Methyl-2-pentanone	5.78	427	50177	131.20	ug/L	89
31)	TOLUENE-D8	5.91	440	160843	127.41	ug/L	95
32)	Toluene	5.97	446	162622	113.18	ug/L	95
33)	t-1,3-Dichloropropene	6.09	459	75293	129.83	ug/L	91
34)	1,1,2-Trichloroethane	6.24	474	39986	132.03	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	556	48608	50.00	ug/L	99
36)	Tetrachloroethene	6.39	489	48998	118.00	ug/L	98
37)	Dibromochloromethane	6.58	508	68945	145.59	ug/L	99
38)	2-Hexanone	6.42	492	30852	131.45	ug/L	91
40)	Chlorobenzene	7.08	559	119763	134.64	ug/L	95
41)	Ethyl benzene	7.16	567	57364	122.64	ug/L	99
42)	p,m-Xylene	7.25	576	109708M	193.89	ug/L	95
43)	o-Xylene	7.59	610	58078	117.18	ug/L	97
44)	Styrene	7.60	611	101361	122.52	ug/L	88
45)	Bromoform	7.77	628	45482	128.81	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.03	655	86378	121.63	ug/L	97
47)	1,1,2,2-Tetrachloroethane	8.13	665	51321	121.68	ug/L	98

000635

TOTAL ION CHROMATOGRAM



Data File: >G6398::A4
Name: 0827VSTD150
Misc: INITIAL CAL/HJP

Quant Output File: ^G6398::A2

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:49
Injected at: 940828 00:40

QUANT REPORT

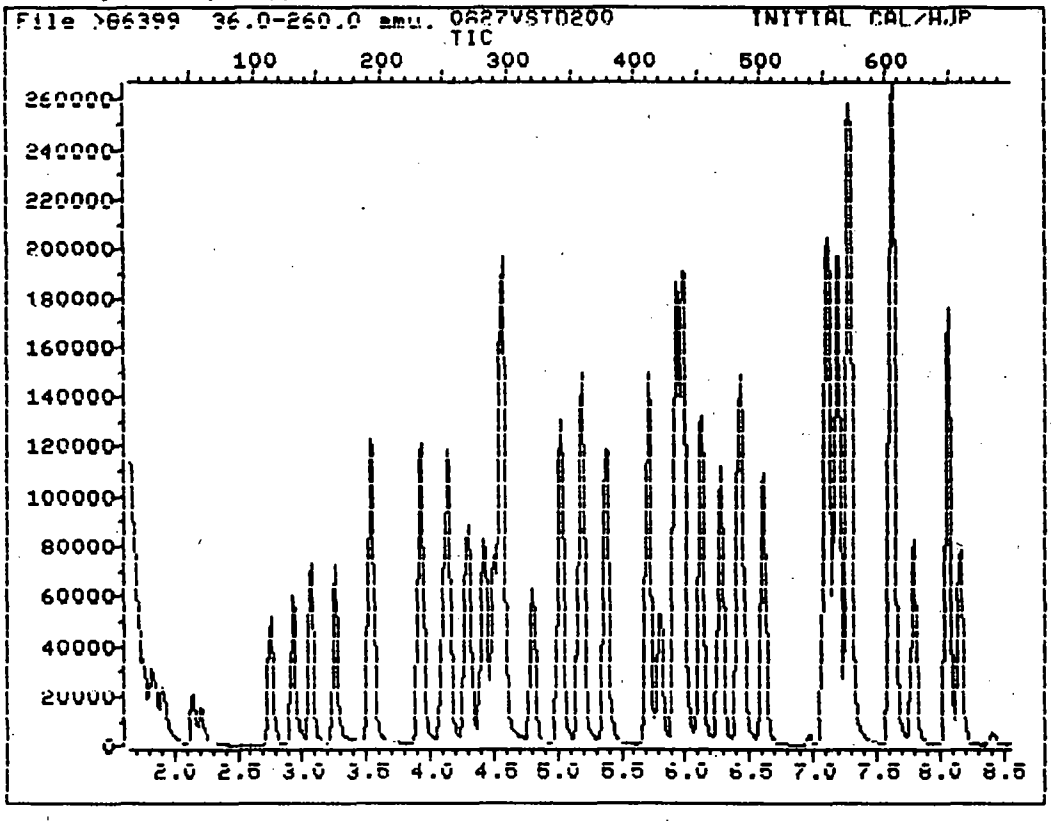
Operator ID: JULES Quant Rev: 6 Quant Time: 940828 01:04
Output File: ^G6399::A2 Injected at: 940828 00:55
Data File: >G6399::A4 Dilution Factor: 1.00000
Name: 0827VSTD200
Misc: INITIAL CAL/HJP

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	249	12327	50.00	ug/L	78
2)	Chloromethane	1.83	20	48334	139.10	ug/L	95
3)	Vinyl chloride	1.91	28	31584	114.03	ug/L	85
4)	Chloroethane	2.21	58	14322	536.92	ug/L	93
5)	Bromomethane	2.15	52	19037	533.88	ug/L	92
8)	1,1-Dichloroethene	2.75	113	23204	125.54	ug/L	55
9)	Carbon disulfide	2.93	131	105580	164.57	ug/L	96
10)	Acetone	2.77	115	6952	113.76	ug/L	99
11)	Methylene chloride	3.07	145	36859	197.88	ug/L	79
12)	t-1,2-Dichloroethene	3.26	164	34627	95.28	ug/L	59
14)	1,1-Dichloroethane	3.53	192	129705	157.08	ug/L	92
15)	Vinyl acetate	3.54	193	114430	164.93	ug/L	88
16)	cis-1,2-Dichloroethene	3.93	232	119287	93.31	ug/L	88
17)	2-Butanone	3.92	231	3711	166.75	ug/L	92
18)	Chloroform	4.14	253	138642	164.78	ug/L	97
19)	1,1,1-Trichloroethane	4.30	269	99439	135.86	ug/L	96
20)	*1,4-DIFLUOROBENZENE	4.80	320	73342	50.00	ug/L	95
21)	Carbon tetrachloride	4.42	282	86954	121.39	ug/L	97
22)	1,2-DICHLOROETHANE-D4	4.50	290	76449	156.37	ug/L	88
23)	1,2-Dichloroethane	4.55	295	80868	144.13	ug/L	94
24)	Benzene	4.56	296	184270	128.25	ug/L	100
25)	Trichloroethene	5.02	342	75669	141.04	ug/L	93
26)	1,2-Dichloropropane	5.19	359	90141	164.20	ug/L	99
27)	Bromodichloromethane	5.37	378	122639	146.40	ug/L	98
28)	2-Chloroethyl vinyl ether	5.19	359	90141	365.36	ug/L	95
29)	c-1,3-Dichloropropene	5.71	412	120570	151.04	ug/L	86
30)	4-Methyl-2-pentanone	5.81	422	72012	165.63	ug/L	86
31)	TOLUENE-D8	5.93	434	192631	134.22	ug/L	97
32)	Toluene	5.99	440	204038	124.92	ug/L	98
33)	t-1,3-Dichloropropene	6.13	454	101691	154.24	ug/L	94
34)	1,1,2-Trichloroethane	6.28	469	55161	160.22	ug/L	97
35)	*CHLOROBENZENE-D5	7.09	551	51066	50.00	ug/L	98
36)	Tetrachloroethene	6.42	484	63471	145.50	ug/L	97
37)	Dibromochloromethane	6.61	503	92342	185.61	ug/L	98
38)	2-Hexanone	6.45	487	43201	175.20	ug/L	89
40)	Chlorobenzene	7.12	554	151237	161.84	ug/L	92
41)	Ethyl benzene	7.20	562	70790	144.05	ug/L	99
42)	p,m-Xylene	7.29	571	132467M	222.85	ug/L	96
43)	o-Xylene	7.62	605	70156	134.73	ug/L	93
44)	Styrene	7.63	606	118538	136.39	ug/L	90
45)	Bromoform	7.80	623	63337	170.74	ug/L	93
46)	4-BROMOFLUOROBENZENE	8.07	650	107076	143.51	ug/L	92
47)	1,1,2,2-Tetrachloroethane	8.17	660	71268	160.85	ug/L	99

0000637

TOTAL ION CHROMATOGRAM

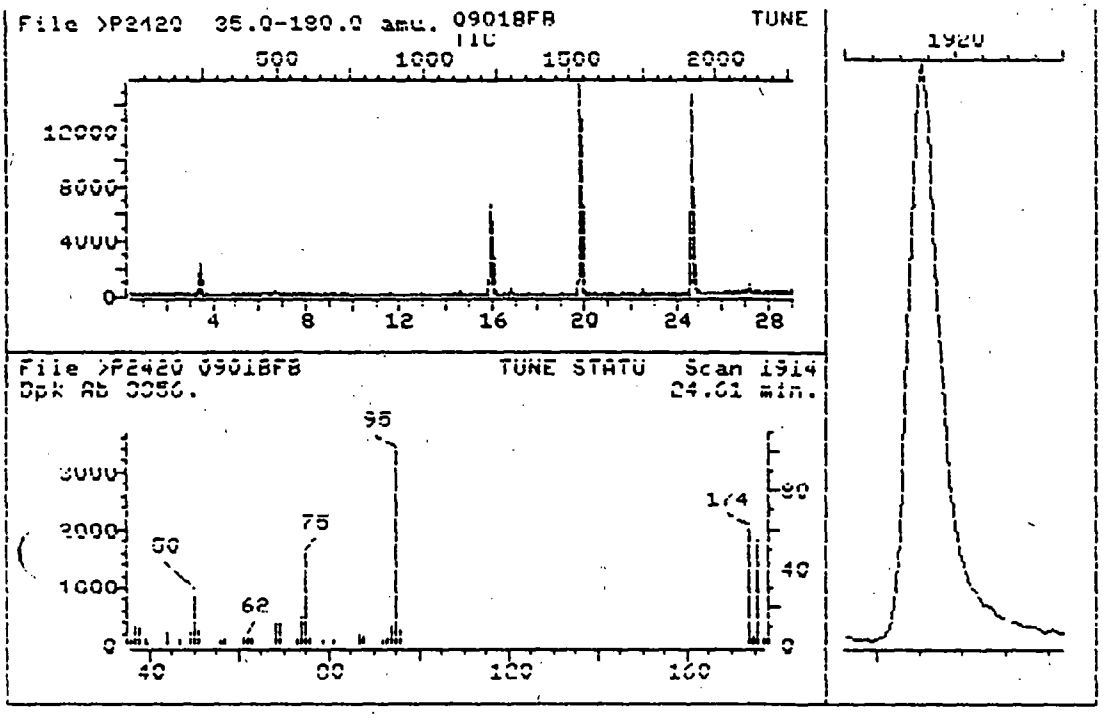


Data File: >G6399::A4
Name: 0827VSTD200
Misc: INITIAL CAL/HJP

Quant Output File: ^G6399::A2

Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 01:04
Injected at: 940828 00:55



FMGR : TUNER,=BFB

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	26.38	26.38	Ok
75	30-60% of mass 95	48.50	48.50	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.48	7.48	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.52	59.52	Ok
175	5-9% of mass 174	4.33	7.28	Ok
176	95-101% of mass 174	58.33	98.00	Ok
177	5-9% of mass 176	3.74	6.41	Ok

Injection Date: 09/03/94
Injection Time: 10:54
Data File: >P2420
Scan: 1914

0000639

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PRINE Time: 11:29

Contract No: Laboratory ID: >PZ421

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.43408	1.77		**	
Vinyl chloride	1.38028	1.36465	1.13	*		
Chloroethane	.70771	.85417	20.70			
Bromomethane	1.23891	1.32436	6.90			
Trichlorofluoromethane	2.40421	2.51543	4.63			
1,1-Dichloroethene	1.42145	1.41831	.22	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.15341	4.45			
Acetone	.36013	.27619	23.31			
Methylene chloride	1.83132	1.86500	1.84			
t-1,2-Dichloroethene	1.62841	1.66017	1.95			
Acrylonitrile	.28356	.25708	9.34			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.51713	1.51		**	
Vinyl acetate	2.84778	2.33906	17.86			
cis-1,2-Dichloroethylene	7.09626	6.97549	1.70			
2-Butanone	.10056	.07731	23.13			(Conc=250.00)
Chloroform	3.47089	3.40385	1.93	*		
1,1,1-Trichloroethane	2.83614	2.68159	5.45			
Carbon tetrachloride	.55919	.46881	16.16			
1,2-DICHLOROETHANE-D4	.41185	.37968	7.81			
1,2-Dichloroethane	.47726	.44457	6.85			
Benzene	.97597	.95639	2.01			
Trichloroethene	.38182	.36025	5.65			
1,2-Dichloropropane	.46228	.43792	5.27	*		
Bromodichloromethane	.68567	.62084	9.46			
2-Choloroethyl vinyl ether	.21188	.15759	25.62			
c-1,3-Dichloropropene	.56950	.49544	13.01			
4-Methyl-2-pentanone	.43090	.32908	23.63			
TOLUENE-D8	.88526	.82257	7.08			
Toluene	1.02946	.99257	3.58	*		
t-1,3-Dichloropropene	.45209	.37989	15.97			
1,1,2-Trichloroethane	.29089	.26477	8.98			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000640

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PRINE Time: 11:29

Contract No: Laboratory ID: >P2421

Instrument ID: HP 59/0 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.49014	24.43		
Dibromochloromethane	.64605	.50279	22.18		
2-Hexanone	.36311	.24317	33.03		
1,2-Dibromoethane (EDB)	.70304	.55932	20.44		
Chlorobenzene	.97983	.86430	11.79		**
Ethyl benzene	.45162	.40536	10.24	*	
p,m-Xylene	.56669	.51409	9.28		
o-Xylene	.56658	.52310	7.68		
Styrene	.96176	.85047	11.57		
Bromoform	.43566	.32799	24.71		**
BROMOFLUOROBENZENE	.91001	.85866	5.64		
1,1,2,2-Tetrachloroethane	.74629	.63493	14.92		**
1,3-Dichlorobenzene	.74767	.65020	13.04		
1,4-Dichlorobenzene	.93886	.82841	11.76		
1,2-Dichlorobenzene	.74387	.68663	7.69		
1,2-Dibromo-3-chloropropane	.12242	.08669	29.19		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000641

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2421::D1
Data File: >P2421:.D2
Name: 0903VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940903 11:59
Injected at: 940903 11:29
Dilution Factor: 1.00000

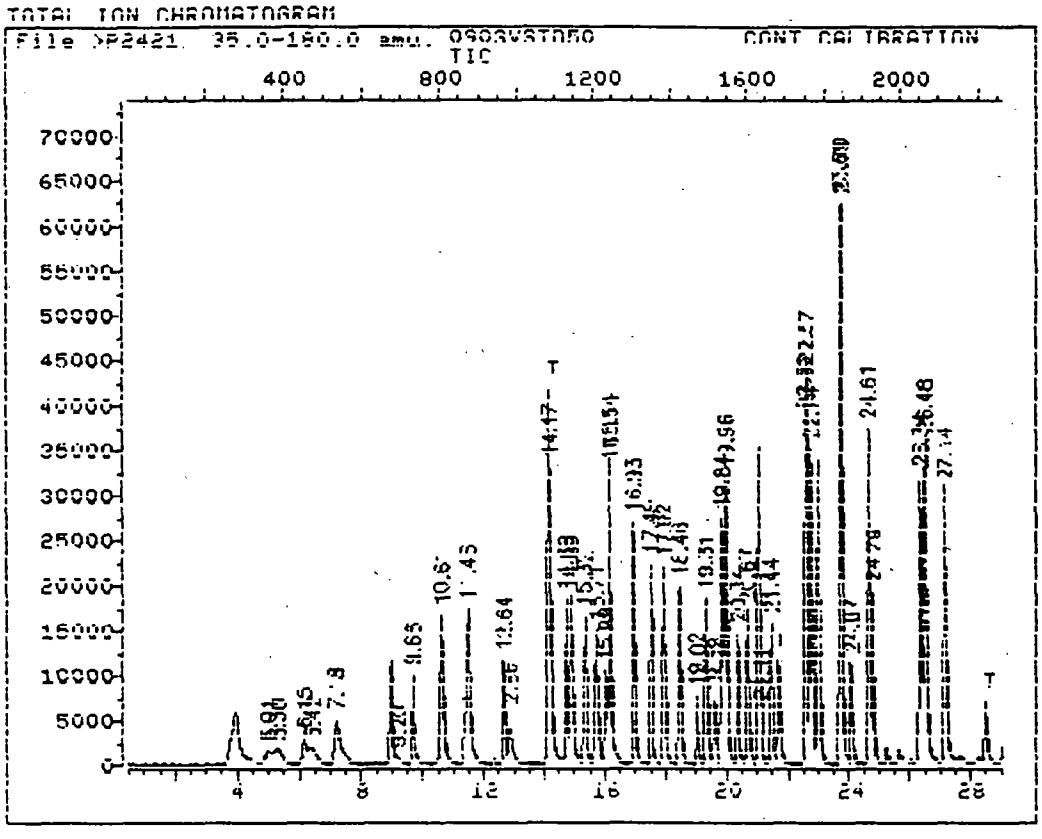
ID File: IDINW1::B3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1127	12933	50.00	PPB	79
2)	Chloromethane	5.01	360	18547	50.89	PPB	95
3)	Vinyl chloride	5.30	383	17649	49.43	PPB	95
4)	Chloroethane	6.42	472	11047	60.35	PPB	93
5)	Bromomethane	6.15	451	17128	53.45	PPB	95
6)	Trichlorofluoromethane	7.18	532	32532	52.31	PPB	99
8)	1,1-Dichloroethene	8.93	671	18343	49.89	PPB	59
9)	Carbon disulfide	9.66	729	53716	47.78	PPB	97
10)	Acetone	9.20	692	3572M	38.35	PPB	85
11)	Methylene chloride	10.61	804	24120	50.92	PPB	75
12)	t-1,2-Dichloroethene	11.46	871	21471	50.98	PPB	63
13)	Acrylonitrile	11.35	863	16624	226.65	PPB	97
14)	1,1-Dichloroethane	12.64	965	45487	49.24	PPB	91
15)	Vinyl acetate	12.86	982	30251	41.07	PPB	90
16)	cis-1,2-Dichloroethylene	14.14	1084	90214	49.15	PPB	86
17)	2-Butanone	14.17	1086	4999	192.18	PPB	90
18)	Chloroform	14.89	1143	44022	49.03	PPB	94
19)	1,1,1-Trichloroethane	15.32	1177	34681	47.28	PPB	96
20)	*1,4-DIFLUOROBENZENE	16.93	1305	60694	50.00	PPB	86
21)	Carbon tetrachloride	15.71	1208	28454	41.92	PPB	99
22)	1,2-DICHLOROETHANE-D4	15.99	1230	23044	46.09	PPB	87
23)	1,2-Dichloroethane	16.15	1243	26983	46.58	PPB	94
24)	Benzene	16.14	1242	58047	49.00	PPB	100
25)	Trichloroethene	17.49	1349	21865	47.18	PPB	90
26)	1,2-Dichloropropane	17.92	1383	26579	47.36	PPB	95
27)	Bromodichloromethane	18.46	1426	37681	45.27	PPB	98
28)	2-Choloroethyl vinyl ether	19.02	1470	9565	37.19	PPB	93
29)	c-1,3-Dichloropropene	19.31	1493	30070	43.50	PPB	93
30)	4-Methyl-2-pentanone	19.59	1515	19973	38.18	PPB	88
31)	TOLUENE-D8	19.84	1535	49925	46.46	PPB	99
32)	Toluene	19.96	1545	60243	48.21	PPB	94
33)	t-1,3-Dichloropropene	20.34	1575	23057	42.02	PPB	94
34)	1,1,2-Trichloroethane	20.67	1601	16070	45.51	PPB	97
35)	*CHLOROBENZENE-D5	22.52	1747	49188	50.00	PPB	86
36)	Tetrachloroethene	21.00	1627	24109	37.79	PPB	98
37)	Dibromochloromethane	21.44	1662	24731	38.91	PPB	97
38)	2-Hexanone	21.11	1636	11961M	33.48	PPB	93
39)	1,2-Dibromoethane (EDB)	21.67	1680	27512	39.78	PPB	93
40)	Chlorobenzene	22.57	1751	42513	44.10	PPB	94
41)	Ethyl benzene	22.74	1765	19939	44.88	PPB	95
42)	p,m-Xylene	22.96	1782	25287M	45.36	PPB	99
43)	o-Xylene	23.69	1840	25730	46.16	PPB	95
44)	Styrene	23.70	1841	41833	44.21	PPB	96

0000642

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.07	1870	16133	37.64	PPB	92
46)	BROMOFLUOROBENZENE	24.61	1913	42236	47.18	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.79	1927	31231	42.54	PPB	94
48)	1,3-Dichlorobenzene	26.34	2050	31982	43.48	PPB	97
49)	1,4-Dichlorobenzene	26.48	2061	40748	44.12	PPB	97
50)	1,2-Dichlorobenzene	27.14	2113	33774	46.15	PPB	94
51)	1,2-Dibromo-3-chloropropane	28.48	2219	4264	35.41	PPB	80

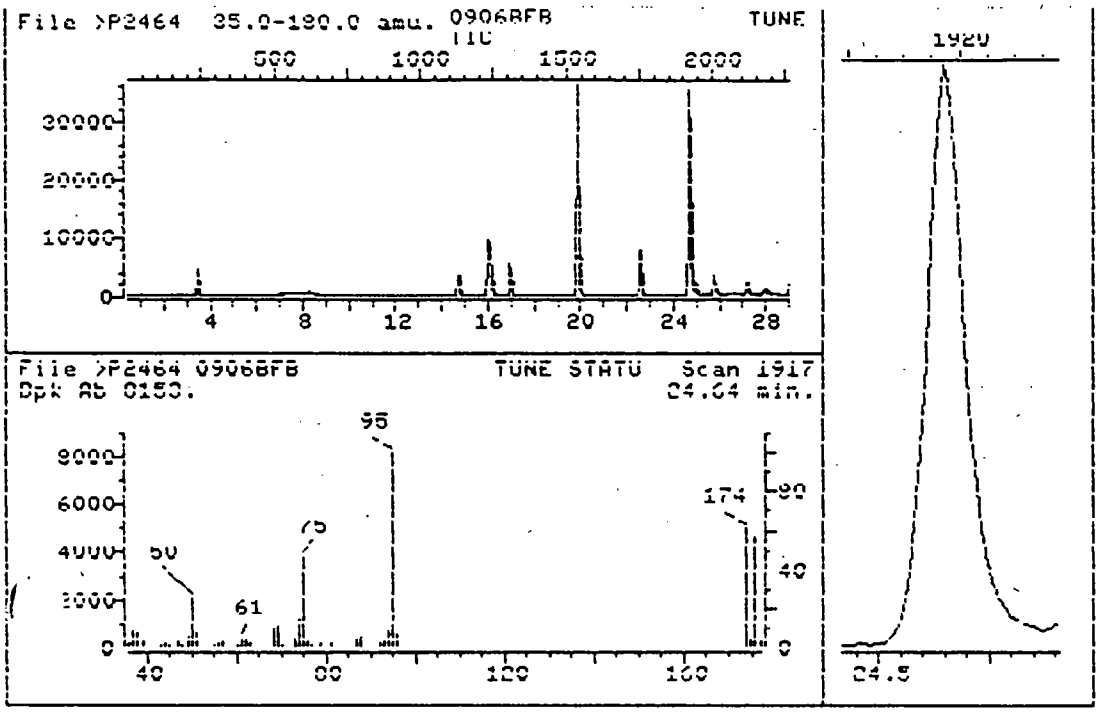
* Compound is ISTD



Data File: >P2421::D2 Quant Output File: ^P2421::D1
Name: 0903VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940903 11:59
Injected at: 940903 11:29



FMGR : TUNER,=BFB

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	26.00	26.00	Ok
75	30-60% of mass 95	49.15	49.15	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.95	6.95	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	82.11	82.11	Ok
175	5-9% of mass 174	4.64	7.48	Ok
176	95-101% of mass 174	59.24	95.39	Ok
177	5-9% of mass 176	3.85	6.49	Ok

Injection Date: 09/06/94
Injection Time: 05:44
Data File: >P2464
Scan: 1917

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 06:18

Contract No: Laboratory ID: >P2465

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40917	1.74445	23.80		**	
Vinyl chloride	1.38028	1.66129	20.36	*		
Chloroethane	.70771	1.00182	41.56			
Bromomethane	1.23891	1.60630	29.65			
Trichlorofluoromethane	2.40421	3.02727	25.92			
1,1-Dichloroethene	1.42145	1.69318	19.12	*		
Acrolein	.25936	.00236	99.09			(Conc=250.00)
Carbon disulfide	4.34677	5.07529	16.76			
Acetone	.36013	.28107	21.95			
Methylene chloride	1.83132	2.30682	25.97			
t-1,2-Dichloroethene	1.62841	1.95009	19.75			
Acrylonitrile	.28356	.24911	12.15			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.13209	15.71		**	
Vinyl acetate	2.84778	2.68712	5.64			
cis-1,2-Dichloroethylene	7.09626	7.77384	9.55			
2-Butanone	.10056	.08428	16.19			(Conc=250.00)
Chloroform	3.47089	3.86685	11.41	*		
1,1,1-Trichloroethane	2.83614	2.98516	5.25			
Carbon tetrachloride	.55919	.51260	8.33			
1,2-DICHLOROETHANE-D4	.41185	.37413	9.16			
1,2-Dichloroethane	.47726	.49932	4.62			
Benzene	.97597	1.08680	11.36			
Trichloroethene	.38182	.41531	8.77			
1,2-Dichloropropane	.46228	.50623	9.51	*		
Bromodichloromethane	.68567	.70401	2.68			
2-Choloroethyl vinyl ether	.21188	.18495	12.71			
c-1,3-Dichloropropene	.56950	.57481	.93			
4-Methyl-2-pentanone	.43090	.34612	19.68			
TOLUENE-D8	.88526	.84162	4.93			
Toluene	1.02946	1.15141	11.85	*		
t-1,3-Dichloropropene	.45209	.43572	3.62			
1,1,2-Trichloroethane	.29089	.29761	2.31			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000646

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PAINE Time: 06:18

Contract No: Laboratory ID: 2P2465

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51266	20.95		
Dibromochloromethane	.64605	.62174	3.76		
2-Hexanone	.36311	.27851	23.30		
1,2-Dibromoethane (EDB)	.70304	.65068	7.46		
Chlorobenzene	.97983	1.06396	8.59		**
Ethyl benzene	.45162	.50658	12.17	*	
p,m-Xylene	.56669	.63499	12.05		
o-Xylene	.56658	.64294	13.48		
Styrene	.96176	1.04295	8.44		
Bromoform	.43566	.38384	11.90		**
BROMOFLUOROBENZENE	.91001	.83401	8.35		
1,1,2,2-Tetrachloroethane	.74629	.71068	4.77		**
1,3-Dichlorobenzene	.74767	.80897	8.20		
1,4-Dichlorobenzene	.93886	1.00603	7.15		
1,2-Dichlorobenzene	.74387	.79578	6.98		
1,2-Dibromo-3-chloropropane	.12242	.09351	23.61		

RF - Response Factor from daily standard file at 50.00 PPM

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000647

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2465::D1
Data File: >P2465::D2
Name: 0906VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940906 06:48
Injected at: 940906 06:18
Dilution Factor: 1.00000

ID File: 1D1N01::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

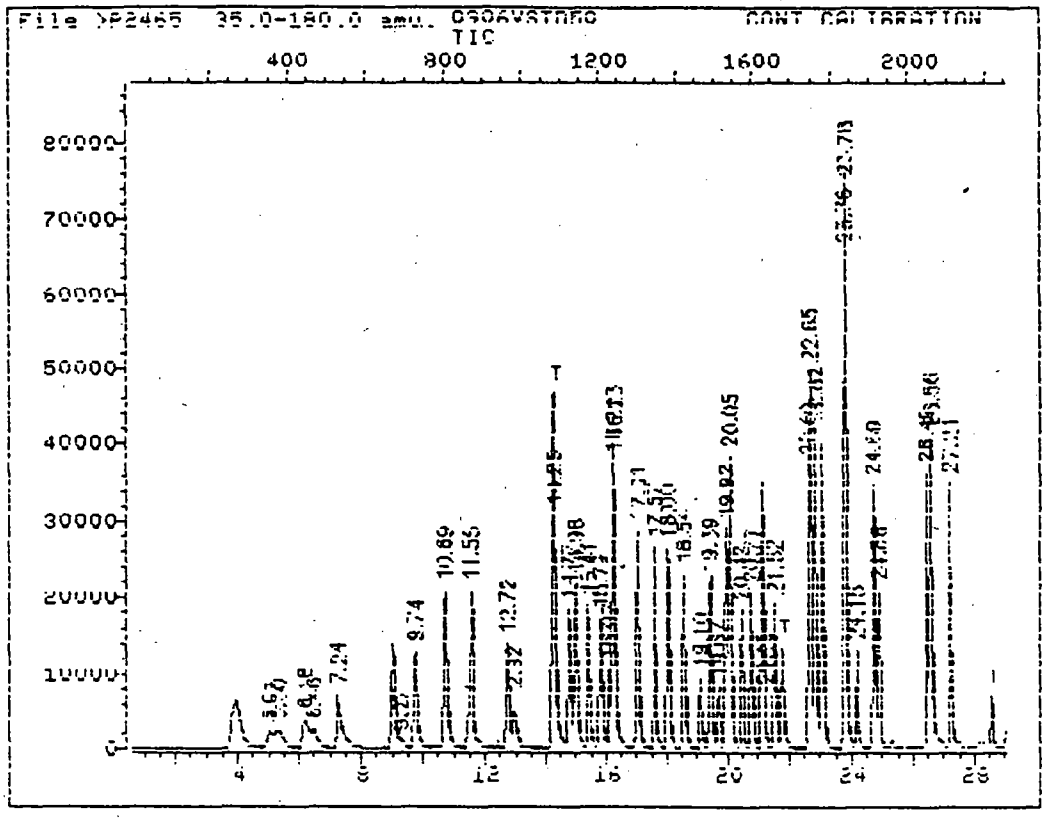
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.77	1124	13203	50.00	PPB	7
2)	Chloromethane	5.01	351	23032M	61.90	PPB	9
3)	Vinyl chloride	5.30	374	21934	60.18	PPB	9
4)	Chloroethane	6.46	466	13227	70.78	PPB	9
5)	Bromomethane	6.18	444	21208	64.83	PPB	9
6)	Trichlorofluoromethane	7.24	528	39869	62.96	PPB	9
7)	Acrolein	8.71	644	156M	2.28	PPB	
8)	1,1-Dichloroethene	9.01	668	22355	59.56	PPB	5
9)	Carbon disulfide	9.24	726	67009	58.36	PPB	9
10)	Acetone	9.27	689	3711	33.02	PPB	8
11)	Methylene chloride	10.69	801	30457	62.98	PPB	7
12)	t-1,2-Dichloroethene	11.55	869	25747	59.88	PPB	6
13)	Acrylonitrile	11.45	861	16445	219.62	PPB	9
14)	1,1-Dichloroethane	12.72	962	54556	57.85	PPB	9
15)	Vinyl acetate	12.92	978	35478	47.18	PPB	8
16)	cis-1,2-Dichloroethylene	14.21	1080	102638	54.77	PPB	8
17)	2-Butanone	14.26	1084	5564	209.53	PPB	8
18)	Chloroform	14.98	1141	51054	55.70	PPB	9
19)	1,1,1-Trichloroethane	15.41	1175	39413	52.63	PPB	9
20)	*1,4-DIFLUOROBENZENE	17.01	1302	63759	50.00	PPB	8
21)	Carbon tetrachloride	15.79	1205	32683	45.83	PPB	9
22)	1,2-DICHLOROETHANE-D4	16.07	1227	23854	45.42	PPB	8
23)	1,2-Dichloroethane	16.23	1240	31836	52.31	PPB	9
24)	Benzene	16.21	1238	69293	55.68	PPB	10
25)	Trichloroethene	17.57	1346	26480	54.39	PPB	9
26)	1,2-Dichloropropane	18.00	1380	32277	54.75	PPB	9
27)	Bromodichloromethane	18.54	1423	44887	51.34	PPB	9
28)	2-Choloroethyl vinyl ether	19.10	1467	11792	43.65	PPB	9
29)	c-1,3-Dichloropropene	19.39	1490	36649	50.47	PPB	9
30)	4-Methyl-2-pentanone	19.67	1512	22068	40.16	PPB	8
31)	TOLUENE-D8	19.92	1532	53661	47.54	PPB	9
32)	Toluene	20.05	1542	73413	55.92	PPB	9
33)	t-1,3-Dichloropropene	20.42	1572	27781	48.19	PPB	9
34)	1,1,2-Trichloroethane	20.77	1599	18975	51.15	PPB	9
35)	*CHLOROBENZENE-D5	22.60	1744	47919	50.00	PPB	9
36)	Tetrachloroethene	21.08	1624	24566	39.52	PPB	9
37)	Dibromochloromethane	21.52	1659	29793	48.12	PPB	9
38)	2-Hexanone	21.19	1633	13346	38.35	PPB	9
39)	1,2-Dibromoethane (EDB)	21.75	1677	31176	46.27	PPB	9
40)	Chlorobenzene	22.65	1748	50584	54.29	PPB	9
41)	Ethyl benzene	22.82	1762	24275	56.09	PPB	8
42)	p,m-Xylene	23.04	1779	30428M	56.03	PPB	9
43)	o-Xylene						

0000648

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.78	1838	49977	54.22	PPB	9
45)	Bromoform	24.15	1867	18393	44.05	PPB	9
46)	BROMOFLUOROBENZENE	24.69	1910	39965	45.82	PPB	6
47)	1,1,2,2-Tetrachloroethane	24.86	1923	34055	47.61	PPB	9
48)	1,3-Dichlorobenzene	26.42	2047	38765	54.10	PPB	9
49)	1,4-Dichlorobenzene	26.56	2058	48208	53.58	PPB	9
50)	1,2-Dichlorobenzene	27.21	2109	38133	53.49	PPB	9
51)	1,2-Dibromo-3-chloropropane	28.52	2213	4481	38.19	PPB	8

* Compound is ISTD

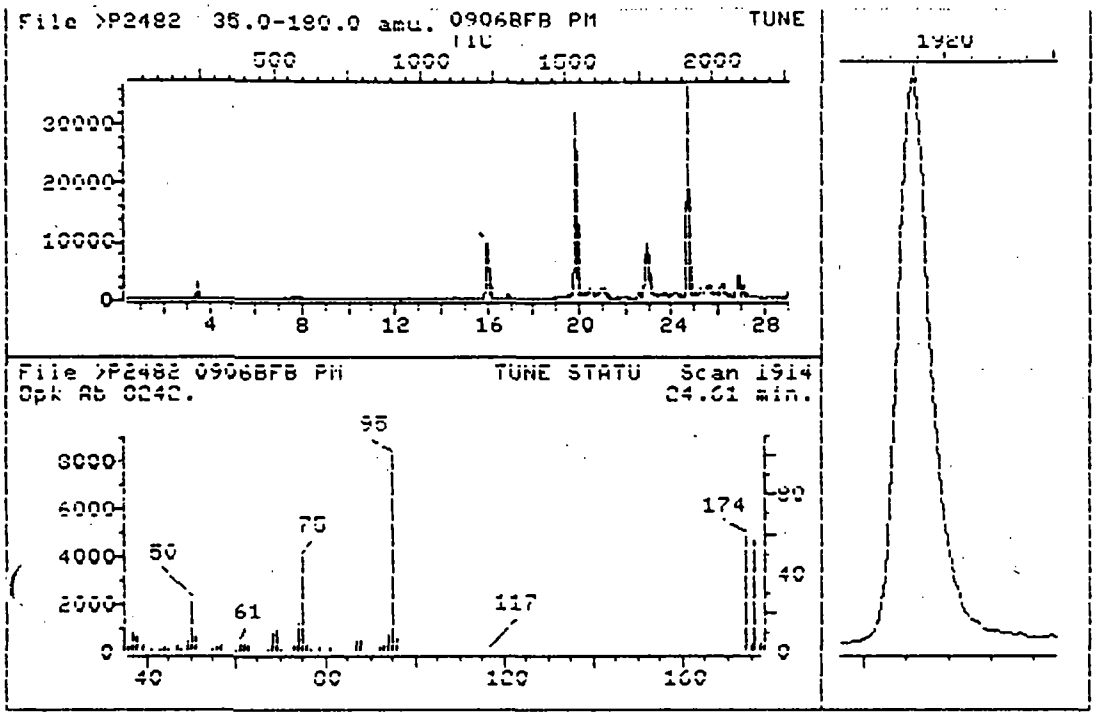
TOTAL ION CHROMATOGRAM



Data File: >P2465::D2 Quant Output File: ^P2465::D1
Name: 050AVSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940906 06:48
Injected at: 940906 06:18



FMGR : TUNER,=BFB

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	26.16	26.16	Ok
75	30-60% of mass 95	48.35	48.35	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.02	7.02	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	58.58	58.58	Ok
175	5-9% of mass 174	4.32	7.37	Ok
176	95-101% of mass 174	57.50	98.16	Ok
177	5-9% of mass 176	3.88	6.75	Ok

Injection Date: 09/06/94
Injection Time: 16:55
Data File: >P2482
Scan: 1914

Continuing Calibration Check
HSL Compounds

Case No:
Calibration Date: 09/06/94
Contractor: WEST PRINK
Time: 17:30
Contract No:
Laboratory ID: >PZ483
Instrument ID: HP 5970 INST 1
Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30
Maximum % Diff for CCC is 25%

Compound	RF	$\overline{RF}$	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.81386	28.72		**	
Vinyl chloride	1.38028	1.69297	22.65	*		
Chloroethane	.70771	1.03842	46.73			
Bromomethane	1.23891	1.63683	32.12			
Trichlorofluoromethane	2.40421	3.04488	26.64			
1,1-Dichloroethene	1.42145	1.67988	18.18	*		
Acrolein	.25936	.00161	99.38			(Conc=250.00)
Carbon disulfide	4.34677	5.09489	17.21			
Acetone	.36013	.29155	19.04			
Methylene chloride	1.83132	2.14416	17.08			
t-1,2-Dichloroethene	1.62841	1.95835	20.26			
Acrylonitrile	.28356	.26717	5.78			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.28028	19.86		**	
Vinyl acetate	2.84778	2.94013	3.24			
cis-1,2-Dichloroethylene	7.09676	8.18241	15.31			
2-Butanone	.10056	.09590	4.64			(Conc=250.00)
Chloroform	3.47089	3.96870	14.34	*		
1,1,1-Trichloroethane	2.83614	3.02575	6.69			
Carbon tetrachloride	.55919	.54895	1.83			
1,2-DICHLOROETHANE-D4	.41185	.43497	5.62			
1,2-Dichloroethane	.47726	.54426	14.04			
Benzene	.97597	1.19325	22.26			
Trichloroethene	.38187	.44207	15.78			
1,2-Dichloropropane	.46228	.55962	21.06	*		
Bromodichloromethane	.68567	.78182	14.02			
2-Chloroethyl vinyl ether	.21188	.21646	2.16			
c-1,3-Dichloropropene	.56950	.64498	13.25			
4-Methyl-2-pentanone	.43098	.42423	1.55			
TOLUENE-D8	.88526	.96022	8.47			
Toluene	1.02946	1.25022	21.44	*		
t-1,3-Dichloropropene	.45209	.49632	9.79			
1,1,2-Trichloroethane	.29089	.33405	14.84			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00000652

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 17:30

Contract No: Laboratory ID: >P2483

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.53063	18.18		
Dibromochloromethane	.64605	.68835	6.55		
2-Hexanone	.36311	.33297	8.30		
1,2-Dibromoethane (EDB)	.70304	.73127	4.02		
Chlorobenzene	.97983	1.14901	17.27		**
Ethyl benzene	.45162	.53917	19.39	*	
p,m-Xylene	.56669	.68218	20.38		
o-Xylene	.56658	.70757	24.88		
Styrene	.96176	1.15803	20.41		
Bromoform	.43566	.44276	1.63		**
BROMOFLUOROBENZENE	.91001	1.01856	11.93		
1,1,2,2-Tetrachloroethane	.74629	.83724	12.19		**
1,3-Dichlorobenzene	.74767	.86962	16.31		
1,4-Dichlorobenzene	.93886	1.08960	16.06		
1,2-Dichlorobenzene	.74387	.87228	17.26		
1,2-Dibromo-3-chloropropane	.12242	.11504	6.03		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000653

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2483::D1
Data File: >P2483::D2
Name: 940606STD50
Misc: CONT CALIBRATION PM

Quant Rev: 6 Quant Time: 940906 18:00
Injected at: 940906 17:30
Dilution Factor: 1.00000

ID File: 1D1NW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

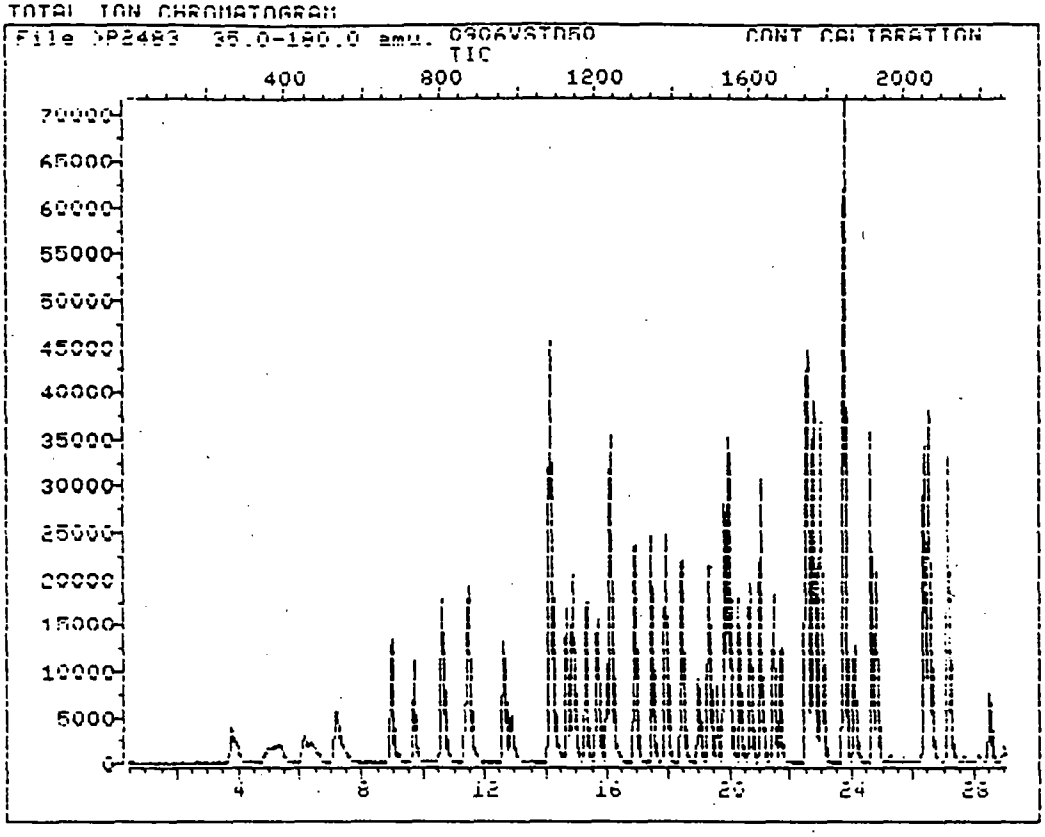
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1127	12077M	50.00	PPB	79
2)	Chloromethane	5.02	361	21906	64.36	PPB	94
3)	Vinyl chloride	5.29	382	20446	61.33	PPB	98
4)	Chloroethane	6.41	471	12541	73.37	PPB	96
5)	Bromomethane	6.14	450	19768	66.06	PPB	94
6)	Trichlorofluoromethane	7.17	531	36772	63.32	PPB	95
7)	Acrolein	8.59	644	97M	1.55	PPB	
8)	1,1-Dichloroethene	8.93	671	20287	59.09	PPB	57
9)	Carbon disulfide	9.65	728	61531	58.61	PPB	96
10)	Acetone	9.19	691	3521	40.48	PPB	91
11)	Methylene chloride	10.60	803	25895	58.54	PPB	76
12)	t-1,2-Dichloroethene	11.46	871	23651	60.13	PPB	60
13)	Acrylonitrile	11.36	863	16133	235.55	PPB	95
14)	1,1-Dichloroethane	12.63	964	51693	59.93	PPB	91
15)	Vinyl acetate	12.85	981	35508	51.62	PPB	88
16)	cis-1,2-Dichloroethylene	14.13	1083	98819	57.65	PPB	87
17)	2-Butanone	14.17	1086	5791	238.41	PPB	90
18)	Chloroform	14.89	1143	47930	57.17	PPB	99
19)	1,1,1-Trichloroethane	15.31	1176	36542	53.34	PPB	96
20)	*1,4-DIFLUOROBENZENE	16.94	1305	54555	50.00	PPB	86
21)	Carbon tetrachloride	15.69	1206	29948	49.08	PPB	95
22)	1,2-DICHLOROETHANE-D4	15.98	1229	23730	52.81	PPB	82
23)	1,2-Dichloroethane	16.15	1243	29692	57.02	PPB	97
24)	Benzene	16.13	1241	65098	61.13	PPB	100
25)	Trichloroethene	17.49	1349	24117	57.89	PPB	89
26)	1,2-Dichloropropane	17.92	1383	30530	60.53	PPB	97
27)	Bromodichloromethane	18.46	1426	42652	57.01	PPB	95
28)	2-Choloroethyl vinyl ether	19.02	1470	11809	51.08	PPB	92
29)	c-1,3-Dichloropropene	19.32	1494	35187	56.63	PPB	95
30)	4-Methyl-2-pentanone	19.59	1515	23144	49.23	PPB	89
31)	TOLUENE-D8	19.84	1535	52385	54.23	PPB	98
32)	Toluene	19.97	1545	68206	60.72	PPB	94
33)	t-1,3-Dichloropropene	20.33	1574	27077	54.89	PPB	93
34)	1,1,2-Trichloroethane	20.67	1601	18224	57.42	PPB	92
35)	*CHLOROBENZENE-D5	22.53	1748	41004	50.00	PPB	85
36)	Tetrachloroethene	21.00	1627	21758	40.91	PPB	98
37)	Dibromochloromethane	21.44	1662	28225	53.27	PPB	99
38)	2-Hexanone	21.12	1636	13653	45.85	PPB	90
39)	1,2-Dibromoethane (EDB)	21.67	1680	29985	52.01	PPB	91
40)	Chlorobenzene	22.58	1752	47114	58.63	PPB	95
41)	Ethyl benzene	22.76	1766	22108	59.69	PPB	94
42)	p,m-Xylene	22.97	1783	27972M	60.19	PPB	98
43)	o-Xylene	23.71	1841	24013	59.44	PPB	97

0006654

	Compound	R.T.	Scan#	Area	Conc	Units	Q
44)	Styrene	23.71	1841	47484	60.20	PPB	94
45)	Bromoform	24.08	1871	18155	50.82	PPB	91
46)	BROMOFLUOROBENZENE	24.63	1914	41765	55.96	PPB	66
47)	1,1,2,2-Tetrachloroethane	24.79	1927	34330	56.09	PPB	93
48)	1,3-Dichlorobenzene	26.37	2052	35658	58.16	PPB	96
49)	1,4-Dichlorobenzene	26.50	2062	44678	58.03	PPB	98
50)	1,2-Dichlorobenzene	27.14	2113	35767	58.63	PPB	95
51)	1,2-Dibromo-3-chloropropane	28.48	2219	4717	46.99	PPB	81

* Compound is ISTD

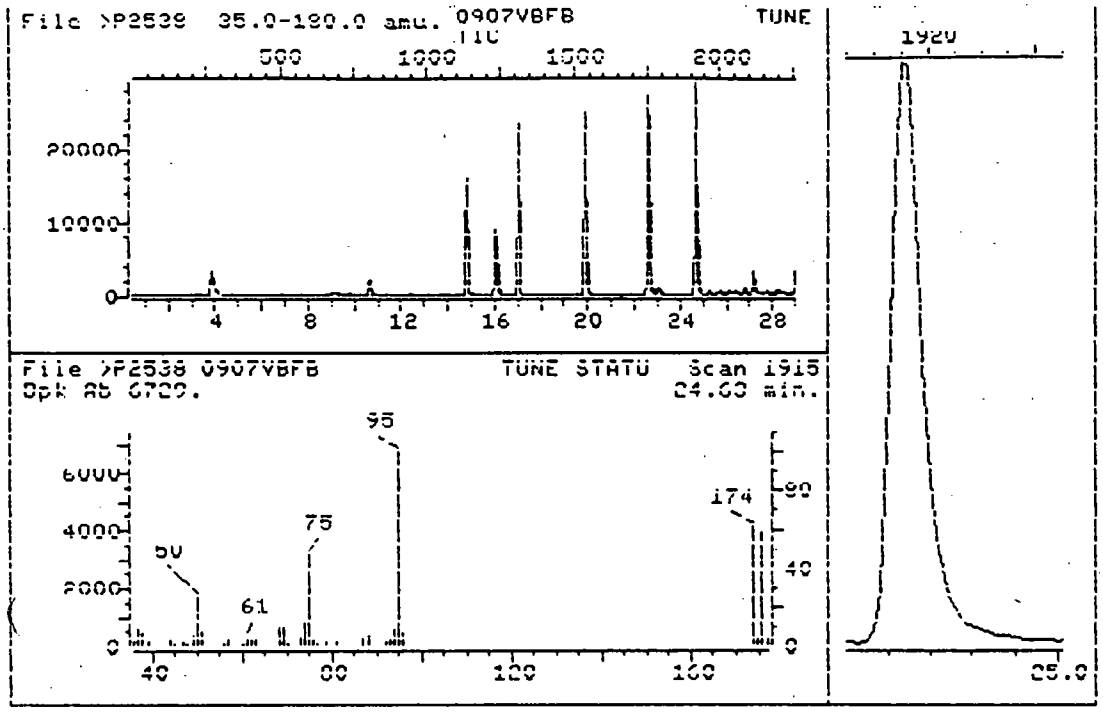
TOTAL ION CHROMATOGRAM



Data File: >P2483::D2 Quant Output File: ^P2483::D1
Name: 0906VSTD50
Misc: CONT CALIBRATION PM

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940906 18:00
Injected at: 940906 17:30



EMGR : TUNER,=BFB

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	24.98	24.98	Ok
75	30-60% of mass 95	47.32	47.32	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.63	6.63	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	61.11	61.11	Ok
175	5-9% of mass 174	4.68	7.66	Ok
176	95-101% of mass 174	58.52	95.77	Ok
177	5-9% of mass 176	3.91	6.68	Ok

Injection Date: 09/08/94
Injection Time: 09:52
Data File: >P2538
Scan: 1915

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PHINE Time: 10:43

Contract No: Laboratory ID: >P2539

Instrument ID: HP 597U INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.73327	23.00		**	
Vinyl chloride	1.38028	1.65742	20.08	*		
Chloroethane	.70771	.98836	39.66			
Bromomethane	1.23891	1.57713	27.30			
Trichlorofluoromethane	2.40421	2.95064	22.73			
1,1-Dichloroethene	1.42145	1.66336	17.02	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	5.06592	16.54			
Acetone	.36013	.29610	17.78			
Methylene chloride	1.83132	2.62915	43.57			
t-1,2-Dichloroethene	1.62841	1.94993	19.74			
Acrylonitrile	.28356	.27212	4.03			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.08014	14.25		**	
Vinyl acetate	2.84778	2.69085	5.51			
cis-1,2-Dichloroethylene	7.09626	7.81973	10.20			
2-Butanone	.10056	.08946	11.04			(Conc=250.00)
Chloroform	3.47089	3.84012	10.64	*		
1,1,1-Trichloroethane	2.83614	2.91541	2.80			
Carbon tetrachloride	.55919	.51416	8.05			
1,2-DICHLOROETHANE-D4	.41185	.34583	16.03			
1,2-Dichloroethane	.47726	.49805	4.36			
Benzene	.97597	1.09890	12.60			
Trichloroethene	.38182	.41588	8.92			
1,2-Dichloropropane	.46228	.49790	7.71	*		
Bromodichloromethane	.68567	.71640	4.48			
2-Choloroethyl vinyl ether	.21188	-	-			NTC
c-1,3-Dichloropropene	.56950	.57700	1.32			
4-Methyl-2-pentanone	.43090	.36285	15.79			
TOLUENE-D8	.88526	.76453	13.64			
Toluene	1.02946	1.11896	8.69	*		
t-1,3-Dichloropropene	.45209	.43498	3.78			
1,1,2-Trichloroethane	.29089	.29517	1.47			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00006658

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PRINE Time: 10:43

Contract No: Laboratory ID: >P2539

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.50120	22.72		
Dibromochloromethane	.64605	.64229	.58		
2-Hexanone	.36311	.29157	19.70		
1,2-Dibromoethane (EDB)	.70304	.67374	4.17		
Chlorobenzene	.97983	1.05798	7.98		**
Ethyl benzene	.45162	.49808	10.29	*	
p,m-Xylene	.56669	.62601	10.47		
o-Xylene	.56658	.64024	13.00		
Styrene	.96176	1.05606	9.81		
Bromoform	.43566	.40672	6.64		**
BROMOFLUOROBENZENE	.91001	.79516	12.62		
1,1,2,2-Tetrachloroethane	.74629	.75778	1.54		**
1,3-Dichlorobenzene	.74767	.81400	8.87		
1,4-Dichlorobenzene	.93886	.99128	5.58		
1,2-Dichlorobenzene	.74387	.81563	9.65		
1,2-Dibromo-3-chloropropane	.12242	.10278	16.04		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000659

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2539::D1
Data File: >P2539::D2
Name: 940808STD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940908 11:13
Injected at: 940908 10:43
Dilution Factor: 1.00000

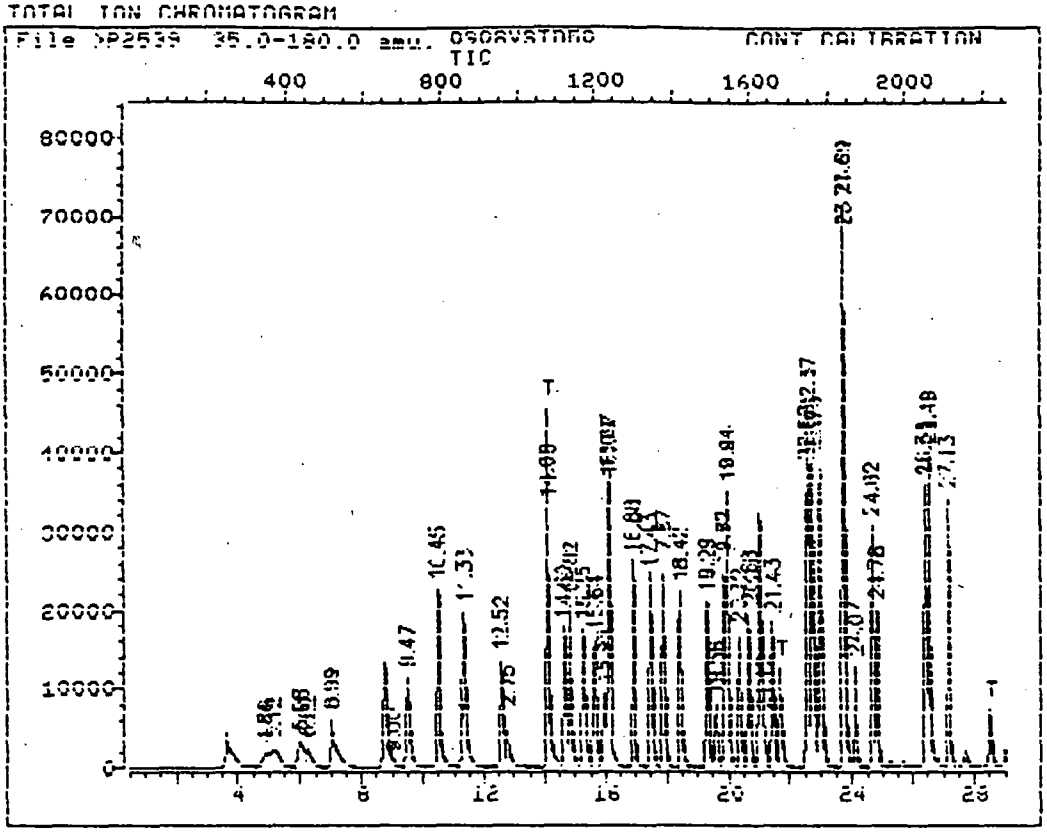
ID File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.60	1119	12803	50.00	PPB	77
2)	Chloromethane	4.86	347	22191	61.50	PPB	97
3)	Vinyl chloride	5.15	370	21220M	60.04	PPB	95
4)	Chloroethane	6.22	455	12654M	69.83	PPB	97
5)	Bromomethane	5.98	436	20192M	63.65	PPB	96
6)	Trichlorofluoromethane	6.99	516	37777	61.36	PPB	98
8)	1,1-Dichloroethene	8.73	654	21296	58.51	PPB	57
9)	Carbon disulfide	9.47	712	64859	58.27	PPB	98
10)	Acetone	9.00	675	3791	41.11	PPB	95
11)	Methylene chloride	10.45	790	33661	71.78	PPB	77
12)	t-1,2-Dichloroethene	11.33	860	24965	59.87	PPB	60
13)	Acrylonitrile	11.22	851	17420	239.91	PPB	95
14)	1,1-Dichloroethane	12.52	954	52238	57.13	PPB	93
15)	Vinyl acetate	12.75	972	34451	47.24	PPB	88
16)	cis-1,2-Dichloroethylene	14.05	1075	100116	55.10	PPB	89
17)	2-Butanone	14.08	1078	5727	222.41	PPB	90
18)	Chloroform	14.82	1136	49165	55.32	PPB	95
19)	1,1,1-Trichloroethane	15.25	1170	37326	51.40	PPB	94
20)	*1,4-DIFLUOROBENZENE	16.88	1299	60518	50.00	PPB	88
21)	Carbon tetrachloride	15.64	1201	31116	45.97	PPB	99
22)	1,2-DICHLOROETHANE-D4	15.93	1224	20929	41.99	PPB	80
23)	1,2-Dichloroethane	16.09	1237	30141	52.18	PPB	97
24)	Benzene	16.07	1235	66503	56.30	PPB	100
25)	Trichloroethene	17.43	1343	25168	54.46	PPB	97
26)	1,2-Dichloropropane	17.87	1378	30132	53.85	PPB	99
27)	Bromodichloromethane	18.42	1421	43355	52.24	PPB	96
29)	c-1,3-Dichloropropene	19.29	1490	34919	50.66	PPB	96
30)	4-Methyl-2-pentanone	19.56	1512	21959	42.10	PPB	87
31)	TOLUENE-D8	19.82	1532	46268	43.18	PPB	98
32)	Toluene	19.94	1542	67717	54.35	PPB	94
33)	t-1,3-Dichloropropene	20.32	1572	26324	48.11	PPB	94
34)	1,1,2-Trichloroethane	20.68	1600	17863	50.73	PPB	92
35)	*CHLOROBENZENE-D5	22.52	1746	44844	50.00	PPB	89
36)	Tetrachloroethene	20.99	1625	22476	38.64	PPB	96
37)	Dibromochloromethane	21.43	1660	28803	49.71	PPB	98
38)	2-Hexanone	21.12	1635	13075	40.15	PPB	88
39)	1,2-Dibromoethane (EDB)	21.66	1678	30213	47.92	PPB	92
40)	Chlorobenzene	22.57	1750	47444	53.99	PPB	93
41)	Ethyl benzene	22.75	1764	22336	55.14	PPB	95
42)	p,m-Xylene	22.96	1781	28073M	55.23	PPB	99
43)	o-Xylene	23.69	1839	28711	56.50	PPB	95
44)	Styrene	23.71	1840	47358	54.90	PPB	98
45)	Bromoform	24.07	1869	18239	46.68	PPB	94

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	BROMOFLUOROBENZENE	24.62	1912	35658	43.69	PPB	69
47)	1,1,2,2-Tetrachloroethane	24.78	1925	33982	50.77	PPB	99
48)	1,3-Dichlorobenzene	26.36	2048	36503	54.44	PPB	96
49)	1,4-Dichlorobenzene	26.49	2059	44453	52.79	PPB	97
50)	1,2-Dichlorobenzene	27.13	2109	36576	54.82	PPB	99
51)	1,2-Dibromo-3-chloropropane	28.45	2214	4609	41.98	PPB	83

* Compound is ISTD

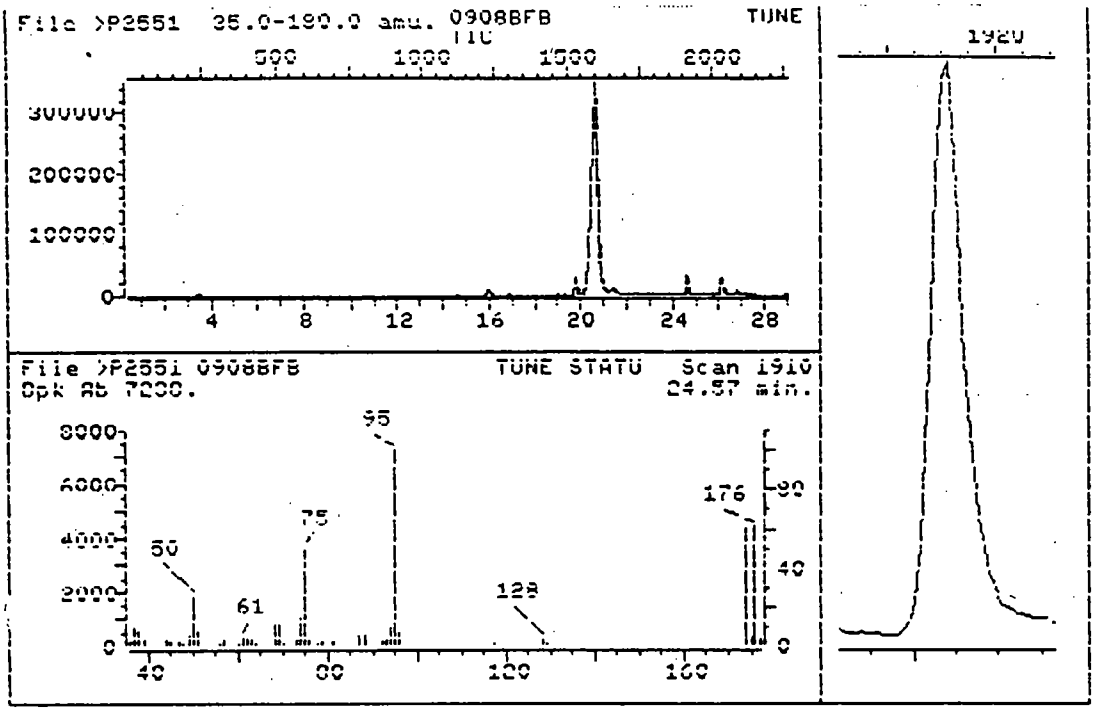
TOTAL ION CHROMATOGRAM



Data File: >P2539::D2 Quant Output File: ^P2539::D1
Name: 0908VSTD50
Misc: CONT CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940908 11:13
Injected at: 940908 10:43



FMGR : TUNER,=BFB

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	25.88	25.88	Ok
75	30-60% of mass 95	48.99	48.99	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.11	7.11	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	60.04	60.04	Ok
175	5-9% of mass 174	4.55	7.58	Ok
176	95-101% of mass 174	60.20	100.27	Ok
177	5-9% of mass 176	3.94	6.55	Ok

Injection Date: 09/08/94
Injection Time: 21:41
Data File: >P2551
Scan: 1910

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PRINE Time: 23:23

Contract No: Laboratory ID: >P2553

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.69462	20.26		**	
Vinyl chloride	1.38028	1.62759	17.92	*		
Chloroethane	.70771	.91092	28.71			
Bromomethane	1.23891	1.48958	20.23			
Trichlorofluoromethane	2.40421	2.93104	21.91			
1,1-Dichloroethene	1.42145	1.58793	11.68	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	5.09584	17.23			
Acetone	.36013	.31094	13.66			
Methylene chloride	1.83132	2.45852	34.25			
t-1,2-Dichloroethene	1.62841	1.86706	14.66			
Acrylonitrile	.28356	.27765	2.08			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.04048	13.14		**	
Vinyl acetate	2.84778	3.06977	7.80			
cis-1,2-Dichloroethylene	7.09626	7.44934	4.98			
2-Butanone	.10056	.09924	1.32			(Conc=250.00)
Chloroform	3.47089	3.82232	10.13	*		
1,1,1-Trichloroethane	2.83614	2.91245	2.69			
Carbon tetrachloride	.55919	.59252	5.96			
1,2-DICHLOROETHANE-D4	.41185	.38108	7.47			
1,2-Dichloroethane	.47726	.51236	7.35			
Benzene	.97597	1.09330	12.02			
Trichloroethene	.38182	.42163	10.43			
1,2-Dichloropropane	.46228	.51278	10.92	*		
Bromodichloromethane	.68567	.74278	8.33			
2-Choloroethyl vinyl ether	.21188	.21201	.06			
c-1,3-Dichloropropene	.56950	.61222	7.50			
4-Methyl-2-pentanone	.43090	.43171	.19			
TOLUENE-D8	.84526	.84657	4.37			
Toluene	1.02946	1.12797	9.57	*		
t-1,3-Dichloropropene	.45209	.45543	.74			
1,1,2-Trichloroethane	.29089	.31740	9.11			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00006664

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 09/08/94

Contractor: WEST PAINE

Time: 23:23

Contract No:

Laboratory ID: >PZ553

Instrument ID: HP 5970 INST 1

Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30

Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.49637	23.47		
Dibromochloromethane	.64605	.68717	6.36		
2-Hexanone	.36311	.35755	1.53		
1,2-Dibromoethane (EDB)	.70304	.68322	2.82		
Chlorobenzene	.97983	1.08835	11.08		**
Ethyl benzene	.45162	.50517	11.86	*	
p,m-Xylene	.56669	.63696	12.40		
o-Xylene	.56658	.65463	15.54		
Styrene	.96176	1.09019	13.35		
Bromoform	.43566	.45718	4.94		**
BROMOFLUOROBENZENE	.91001	.83990	7.70		
1,1,2,2-Tetrachloroethane	.74629	.84902	13.77		**
1,3-Dichlorobenzene	.74767	.77603	3.79		
1,4-Dichlorobenzene	.93886	.95168	1.37		
1,2-Dichlorobenzene	.74387	.78175	5.09		
1,2-Dibromo-3-chloropropane	.12242	.11461	6.38		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0006665

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2553::D1
Data File: >P2553::D2
Name: 0907/STD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940908 23:59
Injected at: 940908 23:23
Dilution Factor: 1.00000

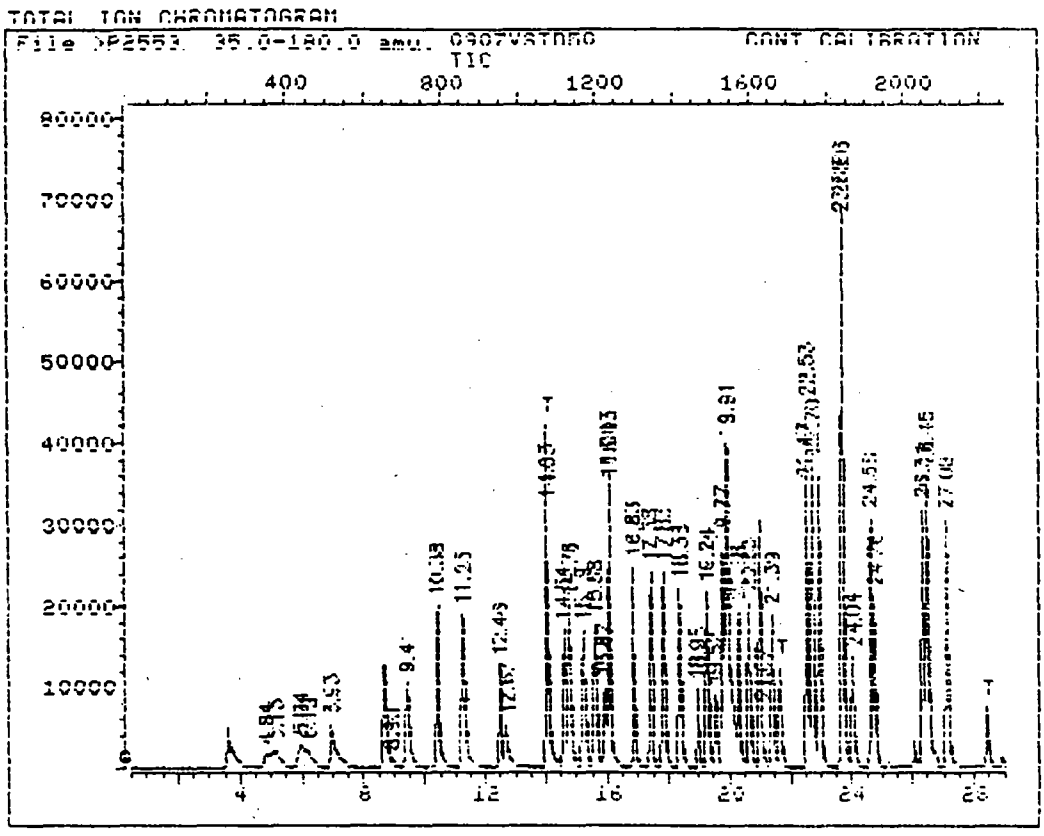
ID File: 1D1N01::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1116	12427	50.00	PPB	80
2)	Chloromethane	4.64	347	21055	60.13	PPB	93
3)	Vinyl chloride	5.13	370	20226	58.96	PPB	92
4)	Chloroethane	6.19	454	11320	64.36	PPB	97
5)	Bromomethane	5.96	436	18511M	60.12	PPB	96
6)	Trichlorofluoromethane	6.53	513	36424	60.96	PPB	96
8)	1,1-Dichloroethene	8.66	650	19727	55.84	PPB	56
9)	Carbon disulfide	9.41	709	63326	58.62	PPB	95
10)	Acetone	8.95	673	3864M	43.17	PPB	97
11)	Methylene chloride	10.38	786	30552	67.12	PPB	78
12)	t-1,2-Dichloroethene	11.25	855	23202	57.33	PPB	60
13)	Acrylonitrile	11.16	848	17252	244.79	PPB	95
14)	1,1-Dichloroethane	12.46	951	50211	56.57	PPB	94
15)	Vinyl acetate	12.67	968	38148	53.90	PPB	88
16)	cis-1,2-Dichloroethylene	13.99	1072	92573	52.49	PPB	87
17)	2-Butanone	14.03	1075	6166	246.70	PPB	88
18)	Chloroform	14.76	1133	47500	55.06	PPB	96
19)	1,1,1-Trichloroethane	15.19	1167	36193	51.35	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.83	1297	58639	50.00	PPB	87
21)	Carbon tetrachloride	15.58	1198	34745	52.98	PPB	97
22)	1,2-DICHLOROETHANE-D4	15.87	1221	22346	46.26	PPB	78
23)	1,2-Dichloroethane	16.03	1234	30044	53.68	PPB	97
24)	Benzene	16.01	1232	64110	56.01	PPB	100
25)	Trichloroethene	17.38	1341	24724	55.21	PPB	93
26)	1,2-Dichloropropane	17.83	1376	30069	55.46	PPB	98
27)	Bromodichloromethane	18.38	1420	43556	54.16	PPB	96
28)	2-Choloroethyl vinyl ether	18.95	1465	12432	50.03	PPB	96
29)	c-1,3-Dichloropropene	19.24	1488	35900	53.75	PPB	95
30)	4-Methyl-2-pentanone	19.52	1510	25315	50.09	PPB	86
31)	TOLUENE-D8	19.77	1530	49642	47.81	PPB	99
32)	Toluene	19.91	1541	66143	54.78	PPB	94
33)	t-1,3-Dichloropropene	20.28	1570	26706	50.37	PPB	96
34)	1,1,2-Trichloroethane	20.63	1598	18612	54.56	PPB	97
35)	*CHLOROBENZENE-D5	22.47	1744	42841	50.00	PPB	89
36)	Tetrachloroethene	20.95	1623	21265	38.27	PPB	97
37)	Dibromochloromethane	21.39	1658	29439	53.18	PPB	96
38)	2-Hexanone	21.07	1633	15318	49.24	PPB	92
39)	1,2-Dibromoethane (EDB)	21.63	1677	29270	48.58	PPB	92
40)	Chlorobenzene	22.53	1748	46626	55.54	PPB	93
41)	Ethyl benzene	22.70	1762	21642	55.93	PPB	96
42)	p,m-Xylene	22.92	1779	27288M	56.20	PPB	95
43)	o-Xylene	23.65	1837	28045	57.77	PPB	94
44)	Styrene	23.66	1838	46705	56.66	PPB	97

0000666

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.04	1868	19586	52.47	PPB	95
46)	BROMOFLUOROBENZENE	24.58	1911	35982	46.15	PPB	67
47)	1,1,2,2-Tetrachloroethane	24.76	1925	36373	56.88	PPB	97
48)	1,3-Dichlorobenzene	26.31	2048	33246	51.90	PPB	99
49)	1,4-Dichlorobenzene	26.45	2059	40771	50.68	PPB	99
50)	1,2-Dichlorobenzene	27.08	2109	33491	52.55	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.41	2214	4910	46.81	PPB	78

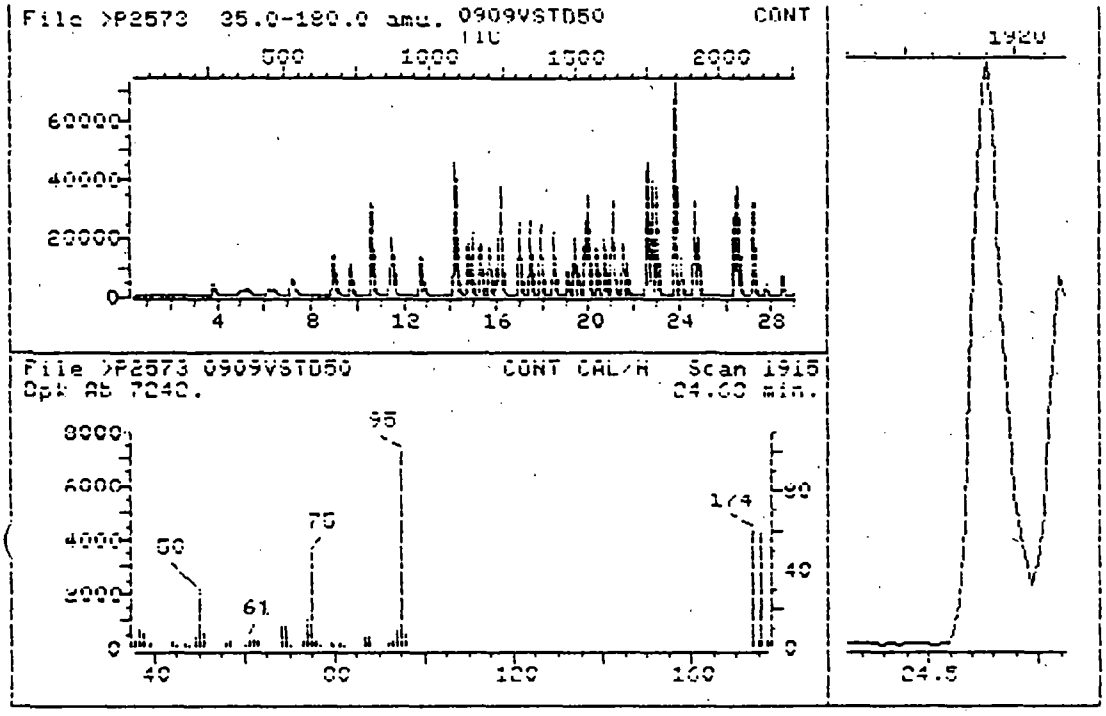
* Compound is ISTD



Data File: >P2553::D2 Quant Output File: ^P2553::D1
Name: 0907VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940908 23:59
Injected at: 940908 23:23



FMGR : TUNER,=BFB

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	27.33	27.33	Ok
75	30-60% of mass 95	48.33	48.33	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.71	6.71	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.94	59.94	Ok
175	5-9% of mass 174	4.20	7.00	Ok
176	95-101% of mass 174	58.73	97.97	Ok
177	5-9% of mass 176	3.88	6.61	Ok

Injection Date: 09/09/94
Injection Time: 11:04
Data File: >P2573
Scan: 1915

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/09/94

Contractor: WEST PRINE Time: 11:04

Contract No: Laboratory ID: >P2573

Instrument ID: HP 5970 (NST) Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.75200	24.33		**	
Vinyl chloride	1.38028	1.62698	17.87	*		
Chloroethane	.70771	1.00038	41.36			
Bromomethane	1.23891	1.56164	26.05			
Trichlorofluoromethane	2.40421	2.92801	21.79			
1,1-Dichloroethene	1.42145	1.64874	15.99	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.86501	11.92			
Acetone	.36013	.30684	14.80			
Methylene chloride	1.83132	3.44742	88.25			
t-1,2-Dichloroethene	1.62841	1.92741	18.36			
Acrylonitrile	.28356	.24232	14.55			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.02531	12.72		**	
Vinyl acetate	2.84778	2.60092	8.67			
cis-1,2-Dichloroethylene	7.09626	7.64088	7.67			
2-Butanone	.10056	.08317	17.30			(Conc=250.00)
Chloroform	3.47089	3.87045	11.51	*		
1,1,1-Trichloroethane	2.83614	2.90195	2.32			
Carbon tetrachloride	.55919	.54169	3.13			
1,2-DICHLOROETHANE-D4	.41185	.38837	5.70			
1,2-Dichloroethane	.47726	.52115	9.20			
Benzene	.97597	1.14617	17.44			
Trichloroethene	.38182	.43489	13.89			
1,2-Dichloropropane	.46228	.51831	12.12	*		
Bromodichloromethane	.68567	.73793	7.62			
2-Choloroethyl vinyl ether	.21188	.19025	10.21			
c-1,3-Dichloropropene	.56950	.59112	3.80			
4-Methyl-2-pentanone	.43090	.36666	14.91			
TOLUENE-D8	.88526	.83654	5.50			
Toluene	1.02946	1.16387	13.06	*		
t-1,3-Dichloropropene	.45209	.44646	1.25			
1,1,2-Trichloroethane	.29089	.30702	5.55			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000670

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/09/94

Contractor: WEST PAINE Time: 11:04

Contract No: Laboratory ID: >P2573

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51990	19.84		
Dibromochloromethane	.64605	.63746	1.33		
2-Hexanone	.36311	.27617	23.94		
1,2-Dibromoethane (EDB)	.70304	.65867	6.31		
Chlorobenzene	.97983	1.07228	9.44		**
Ethyl benzene	.45162	.51038	13.01	*	
p,m-Xylene	.56669	.63728	12.46		
o-Xylene	.56658	.66776	17.86		
Styrene	.96176	1.09286	13.63		
Bromoform	.43566	.40973	5.95		**
BROMOFLUOROBENZENE	.91001	.83710	8.01		
1,1,2,2-Tetrachloroethane	.74629	.76886	3.02		**
1,3-Dichlorobenzene	.74767	.80020	7.03		
1,4-Dichlorobenzene	.93886	1.04157	10.94		
1,2-Dichlorobenzene	.74387	.82220	10.53		
1,2-Dibromo-3-chloropropane	.12242	.09928	18.90		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000671

QUANT REPORT

Operator ID: BUBBA
Output File: ^F2573::D1
Data File: >F2573::A5
Name: 0909VSTD50
Misc: CONT CAL/RJP

Quant Rev: 6 Quant Time: 940909 11:34
Injected at: 940909 11:04
Dilution Factor: 1.00000

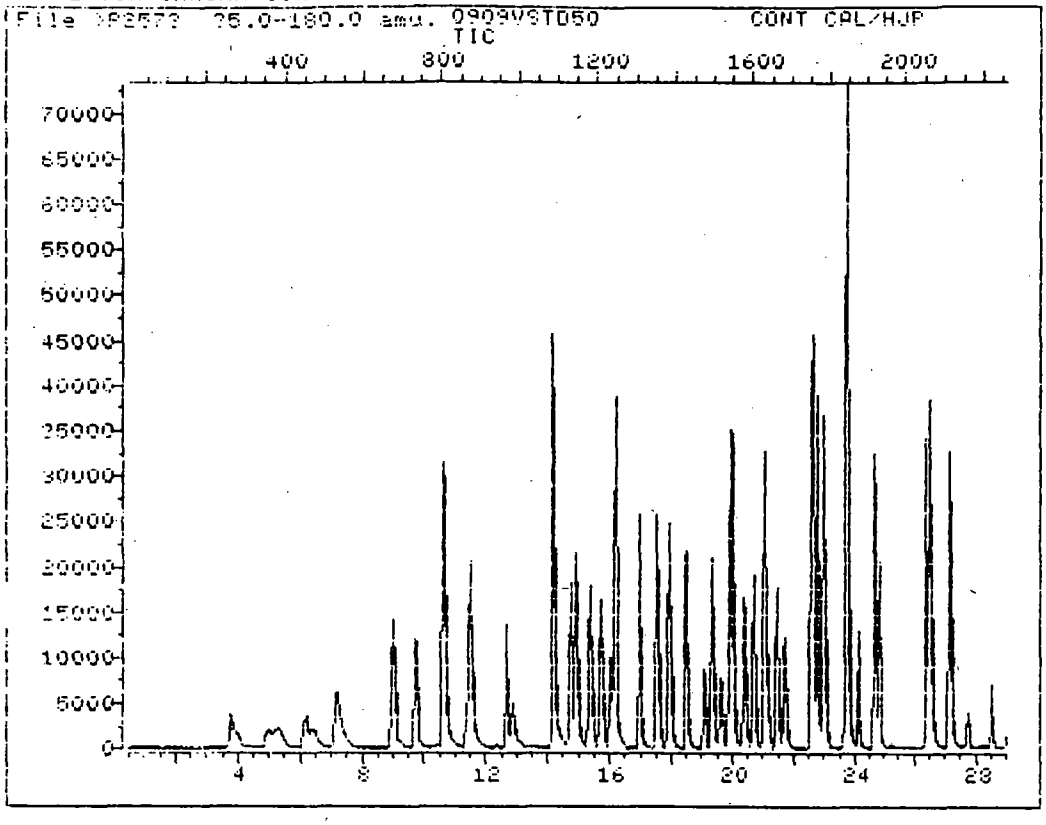
ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1128	13238	50.00	PPB	78
2)	Chloromethane	4.98	358	23193	62.17	PPB	97
3)	Vinyl chloride	5.27	381	21538	58.94	PPB	94
4)	Chloroethane	6.44	474	13243	70.68	PPB	91
5)	Bromomethane	6.14	450	20673	63.02	PPB	93
6)	Trichlorofluoromethane	7.17	532	38761	60.89	PPB	97
8)	1,1-Dichloroethene	8.95	673	21826	58.00	PPB	57
9)	Carbon disulfide	9.67	730	64403	55.96	PPB	99
10)	Acetone	9.22	694	4062M	42.60	PPB	97
11)	Methylene chloride	10.62	805	45637	94.12	PPB	77
12)	t-1,2-Dichloroethene	11.48	873	25515	59.18	PPB	61
13)	Acrylonitrile	11.37	865	16039	213.64	PPB	95
14)	1,1-Dichloroethane	12.65	966	53287	56.36	PPB	94
15)	Vinyl acetate	12.85	982	34431	45.67	PPB	89
16)	cis-1,2-Dichloroethylene	14.14	1084	101150	53.84	PPB	86
17)	2-Butanone	14.18	1087	5505	206.76	PPB	89
18)	Chloroform	14.90	1144	51237	55.76	PPB	96
19)	1,1,1-Trichloroethane	15.31	1177	38416	51.16	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.93	1305	59054	50.00	PPB	87
21)	Carbon tetrachloride	15.70	1208	31989	48.43	PPB	93
22)	1,2-DICHLOROETHANE-D4	15.98	1230	22935	47.15	PPB	78
23)	1,2-Dichloroethane	16.15	1243	30776	54.60	PPB	91
24)	Benzene	16.13	1242	67686	58.72	PPB	100
25)	Trichloroethene	17.49	1349	25635	56.85	PPB	91
26)	1,2-Dichloropropane	17.91	1383	30608	56.06	PPB	96
27)	Bromodichloromethane	18.45	1425	43578	53.81	PPB	97
28)	2-Choloroethyl vinyl ether	19.01	1470	11235	44.90	PPB	96
29)	c-1,3-Dichloropropene	19.30	1493	34908	51.90	PPB	95
30)	4-Methyl-2-pentanone	19.58	1515	21653	42.55	PPB	90
31)	TOLUENE-D8	19.83	1535	49401	47.25	PPB	94
32)	Toluene	19.97	1546	68731	56.53	PPB	95
33)	t-1,3-Dichloropropene	20.34	1575	26365	49.38	PPB	94
34)	1,1,2-Trichloroethane	20.68	1602	18131	52.77	PPB	88
35)	*CHLOROBENZENE-D5	22.52	1748	44549	50.00	PPB	91
36)	Tetrachloroethene	21.00	1627	23161	40.08	PPB	97
37)	Dibromochloromethane	21.44	1662	28398	49.33	PPB	99
38)	2-Hexanone	21.12	1637	12303	38.03	PPB	90
39)	1,2-Dibromoethane (EDB)	21.68	1681	29343	46.84	PPB	93
40)	Chlorobenzene	22.59	1753	47769	54.72	PPB	93
41)	Ethyl benzene	22.75	1766	22737	56.51	PPB	95
42)	p,m-Xylene	22.97	1783	28390M	56.23	PPB	99
43)	o-Xylene	23.70	1841	29748	58.33	PPB	97
44)	Styrene	23.71	1842	48686	56.82	PPB	96

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.09	1872	18253	47.02	PPB	90
46)	BROMOFLUOROBENZENE	24.63	1915	37292	45.99	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.80	1928	34252	51.51	PPB	98
48)	1,3-Dichlorobenzene	26.36	2052	35648	53.51	PPB	96
49)	1,4-Dichlorobenzene	26.52	2064	46401	55.47	PPB	98
50)	1,2-Dichlorobenzene	27.15	2114	36628	55.26	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.47	2219	4423	40.55	PPB	83

* Compound is ISTD

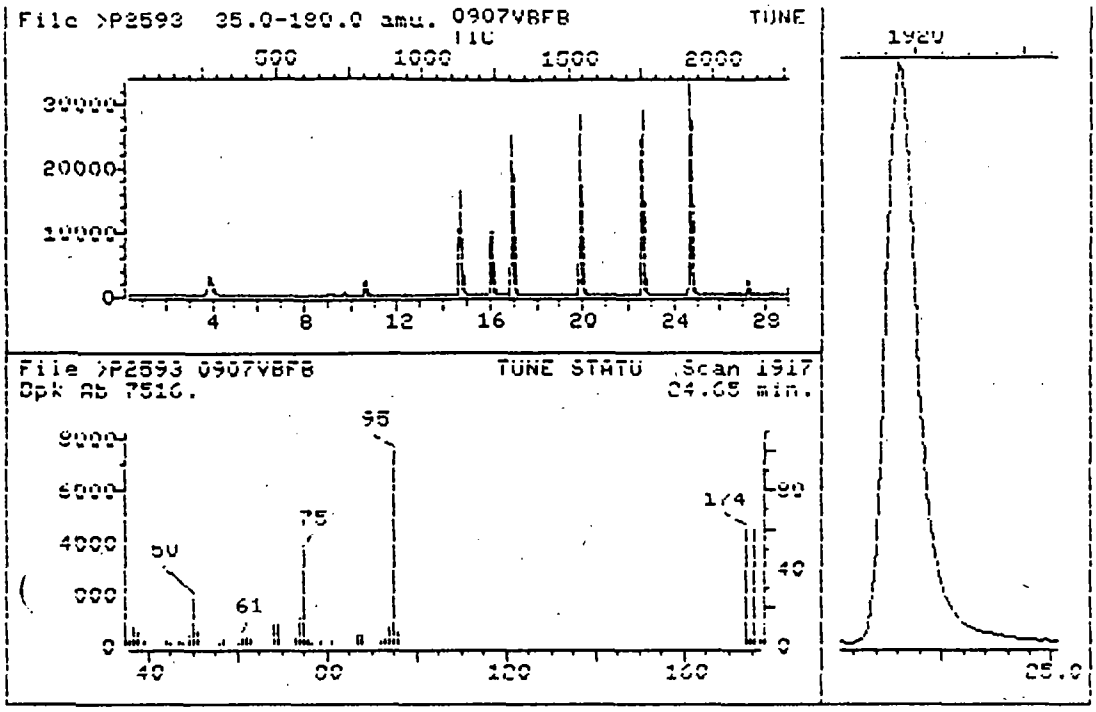
TOTAL ION CHROMATOGRAM



Data File: >P2573::A5 Quant Output File: ^P2573::01
Name: 0909VSTD50
Misc: CONT CAL/HJP

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940909 11:34
Injected at: 940909 11:04



EMGR : TUNER,=BFB

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	24.55	24.55	Ok
75	30-60% of mass 95	49.12	49.12	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.01	7.01	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.83	59.83	Ok
175	5-9% of mass 174	4.52	7.56	Ok
176	95-101% of mass 174	58.99	98.60	Ok
177	5-9% of mass 176	4.02	6.81	Ok

Injection Date: 09/10/94
Injection Time: 13:25
Data File: >P2593
Scan: 1917

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 09/10/94

Contractor: WEST PRINE | Time: 14:12

Contract No: | Laboratory ID: >P2595

Instrument ID: HP 5970 INST 1 | Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 | Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.72585	22.48		**	
Vinyl chloride	1.38028	1.67300	21.21	*		
Chloroethane	.70771	1.02720	45.14			
Bromomethane	1.23891	1.59352	28.62			
Trichlorofluoromethane	2.40421	3.00309	24.91			
1,1-Dichloroethene	1.42145	1.67957	18.16	*		
Acrolein	.25936	.00242	99.07			(Conc=250.00)
Carbon disulfide	4.34677	5.23762	20.49			
Acetone	.36013	.26108	27.50			
Methylene chloride	1.83132	2.76149	50.79			
t-1,2-Dichloroethene	1.62841	1.96810	20.86			
Acrylonitrile	.28356	.27998	1.26			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.08281	14.33		**	
Vinyl acetate	2.84778	2.60432	8.55			
cis-1,2-Dichloroethylene	7.09626	7.83350	10.39			
2-Butanone	.10056	.07977	20.68			(Conc=250.00)
Chloroform	3.47089	3.80589	9.65	*		
1,1,1-Trichloroethane	2.83614	2.97914	5.04			
Carbon tetrachloride	.55919	.52180	6.69			
1,2-DICHLOROETHANE-D4	.41185	.38991	5.33			
1,2-Dichloroethane	.47776	.48128	.84			
Benzene	.97597	1.08255	10.92			
Trichloroethene	.38182	.41705	9.23			
1,2-Dichloropropane	.46228	.49853	7.84	*		
Bromodichloromethane	.68567	.70329	2.57			
2-Chloroethyl vinyl ether	.21188	.18563	12.39			
c-1,3-Dichloropropene	.56950	.57659	1.25			
4-Methyl-2-pentanone	.43098	.33557	22.12			
TOLUENE-D8	.88526	.90788	2.55			
Toluene	1.02946	1.14687	11.40	*		
t-1,3-Dichloropropene	.45209	.42408	6.20			
1,1,2-Trichloroethane	.29089	.29175	.29			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00000376

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/10/94

Contractor: WEST PAINE Time: 14:12

Contract No: Laboratory ID: >P2595

Instroment ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51881	20.00		
Dibromochloromethane	.64605	.62351	3.49		
2-Hexanone	.36311	.26243	27.73		
1,2-Dibromoethane (EDB)	.70304	.66783	5.01		
Chlorobenzene	.97983	1.06276	8.46		**
Ethyl benzene	.45162	.50564	11.96	*	
p,m-Xylene	.56669	.64518	13.85		
o-Xylene	.56658	.65138	14.97		
Styrene	.96176	1.05247	9.43		
Bromoform	.43566	.39474	9.39		**
BROMOFLUOROBENZENE	.91001	.91739	.81		
1,1,2,2-Tetrachloroethane	.74629	.71309	4.45		**
1,3-Dichlorobenzene	.74767	.82504	10.35		
1,4-Dichlorobenzene	.93886	1.04424	11.22		
1,2-Dichlorobenzene	.74387	.81129	9.06		
1,2-Dibromo-3-chloropropane	.12242	.09666	21.04		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000677

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2595::D1
Data File: >P2595::A5
Name: 09UBOSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940910 14:42
Injected at: 940910 14:12
Dilution Factor: 1.00000

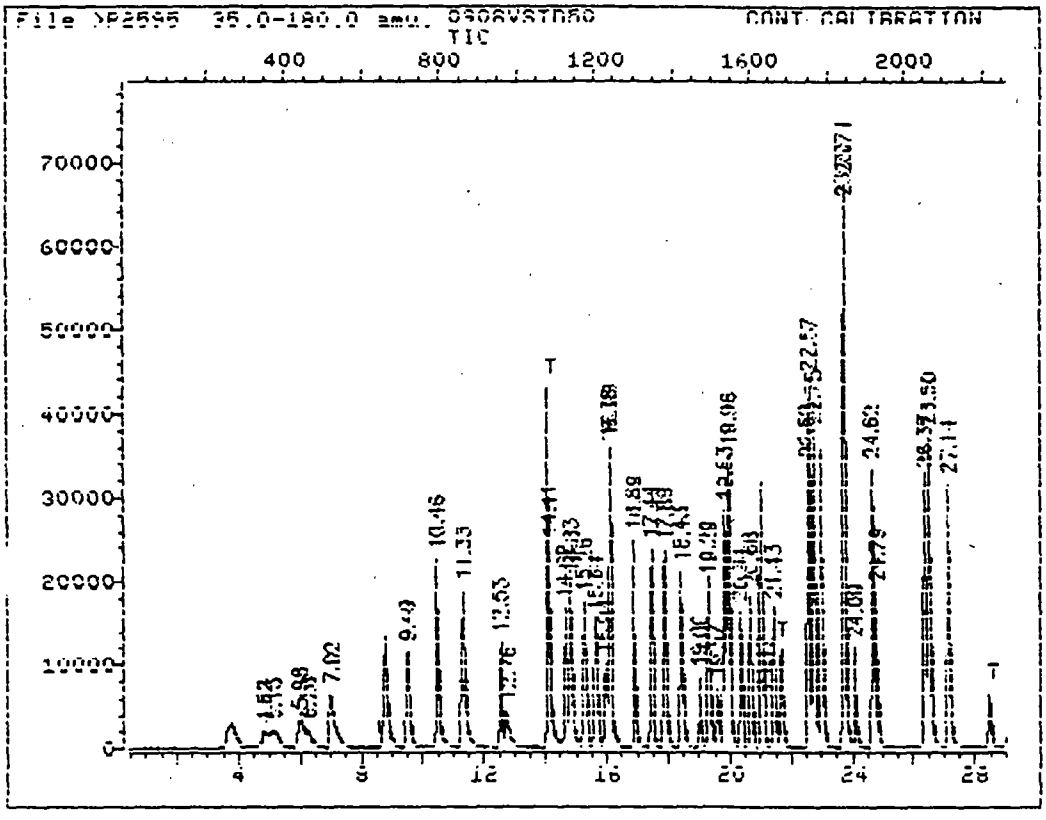
ID File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	12318	50.00	PPB	70
2)	Chloromethane	4.82	346	21259	61.24	PPB	98
3)	Vinyl chloride	5.13	370	20608	60.60	PPB	94
4)	Chloroethane	6.26	460	12653	72.57	PPB	93
5)	Bromomethane	5.98	438	19629	64.31	PPB	94
6)	Trichlorofluoromethane	7.02	520	36992	62.45	PPB	98
7)	Acrolein	8.46	634	149	2.33	PPB	79
8)	1,1-Dichloroethene	8.76	658	20689	59.08	PPB	59
9)	Carbon disulfide	9.49	716	64517	60.25	PPB	97
10)	Acetone	9.03	679	3216M	36.25	PPB	
11)	Methylene chloride	10.46	793	34016	75.40	PPB	77
12)	t-1,2-Dichloroethene	11.33	862	24243	60.43	PPB	62
13)	Acrylonitrile	11.23	854	17244	246.84	PPB	96
14)	1,1-Dichloroethane	12.53	957	50232	57.16	PPB	93
15)	Vinyl acetate	12.76	975	32080	45.73	PPB	89
16)	cis-1,2-Dichloroethylene	14.06	1078	36493	55.19	PPB	88
17)	2-Butanone	14.11	1082	4913	198.31	PPB	89
18)	Chloroform	14.83	1139	46881	54.83	PPB	94
19)	1,1,1-Trichloroethane	15.26	1173	36697	52.52	PPB	92
20)	*1,4-DIFLUOROBENZENE	16.89	1302	58400	50.00	PPB	91
21)	Carbon tetrachloride	15.64	1203	30473	46.66	PPB	95
22)	1,2-DICHLOROETHANE-D4	15.94	1227	22771	47.34	PPB	80
23)	1,2-Dichloroethane	16.09	1239	28107	50.42	PPB	92
24)	Benzene	16.08	1238	63221	55.46	PPB	100
25)	Trichloroethene	17.44	1346	24356	54.61	PPB	94
26)	1,2-Dichloropropane	17.89	1381	29114	53.92	PPB	97
27)	Bromodichloromethane	18.43	1424	41072	51.28	PPB	96
28)	2-Choloroethyl vinyl ether	19.00	1469	10841	43.81	PPB	89
29)	c-1,3-Dichloropropene	19.29	1492	33673	50.62	PPB	93
30)	4-Methyl-2-pentanone	19.57	1514	19597	38.94	PPB	90
31)	TOLUENE-D8	19.83	1535	53020	51.28	PPB	99
32)	Toluene	19.96	1545	66377	55.70	PPB	98
33)	t-1,3-Dichloropropene	20.34	1575	24766	46.90	PPB	96
34)	1,1,2-Trichloroethane	20.68	1602	17038	50.15	PPB	94
35)	*CHLOROBENZENE-D5	22.52	1748	43056	50.00	PPB	90
36)	Tetrachloroethene	20.99	1627	22338	40.00	PPB	97
37)	Dibromochloromethane	21.43	1662	26846	48.26	PPB	99
38)	2-Hexanone	21.12	1637	11299	36.14	PPB	96
39)	1,2-Dibromoethane (EDB)	21.67	1681	28754	47.50	PPB	93
40)	Chlorobenzene	22.57	1752	45758	54.23	PPB	95
41)	Ethyl benzene	22.75	1766	21771	55.98	PPB	96
42)	p,m-Xylene	22.96	1783	27779M	56.93	PPB	99
43)	o-Xylene	23.70	1841	28046	57.48	PPB	96

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.71	1842	45315	54.72	PPB	98
45)	Bromoform	24.09	1872	16996	45.30	PPB	94
46)	BROMOFLUOROBENZENE	24.62	1914	39499	50.41	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.79	1928	30703	47.78	PPB	96
48)	1,3-Dichlorobenzene	26.37	2053	35523	55.17	PPB	94
49)	1,4-Dichlorobenzene	26.50	2063	44961	55.61	PPB	98
50)	1,2-Dichlorobenzene	27.14	2114	34931	54.53	PPB	92
51)	1,2-Dibromo-3-chloropropane	28.47	2219	4162	39.48	PPB	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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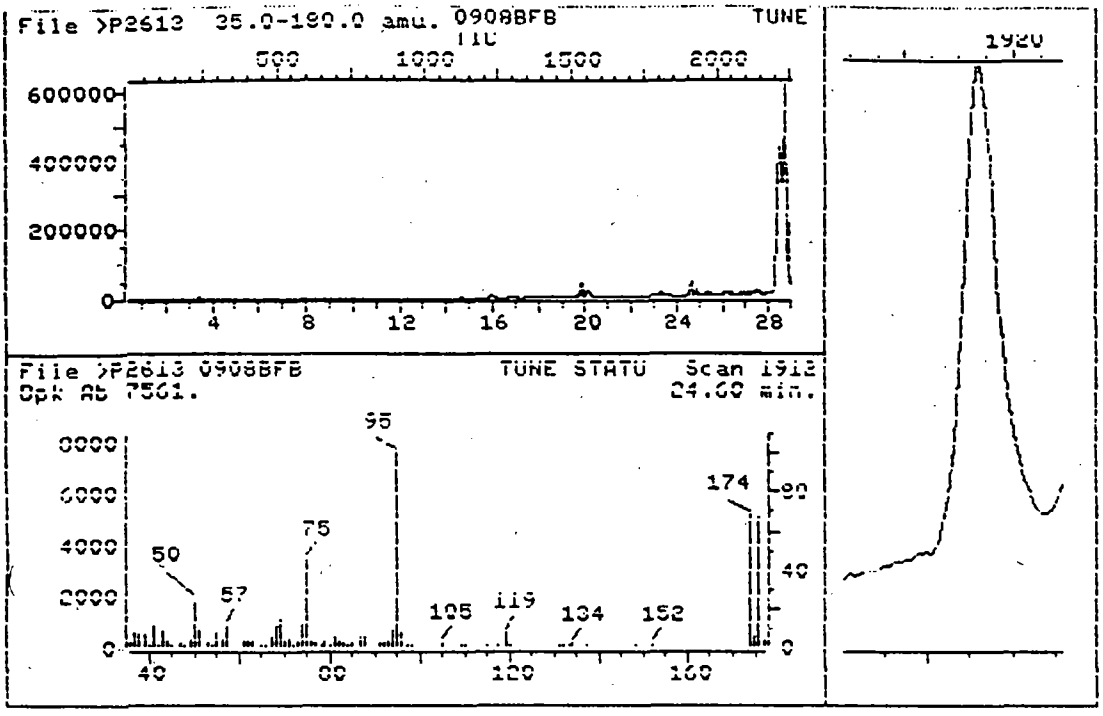
Name: U908VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940910 14:42
Injected at: 940910 14:12



FMGR : TUNER,=BFB

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	23.40	23.40	Ok
75	30-60% of mass 95	45.68	45.68	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.15	8.15	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	67.83	67.83	Ok
175	5-9% of mass 174	5.05	7.45	Ok
176	95-101% of mass 174	67.05	98.85	Ok
177	5-9% of mass 176	4.46	6.65	Ok

Injection Date: 09/11/94
Injection Time: 12:31
Data File: >P2613
Scan: 1912

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/11/94

Contractor: WEST PAINE Time: 13:24

Contract No: Laboratory ID: >P2614

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.45524	3.27		**	
Vinyl chloride	1.38028	1.40274	1.63	*		
Chloroethane	.70771	.84145	18.90			
Bromomethane	1.23891	1.30728	5.52			
Trichlorofluoromethane	2.40421	2.58164	7.38			
1,1-Dichloroethene	1.42145	1.45051	2.04	*		
Acrolein	.25936	.00513	98.02			(Conc=250.00)
Carbon disulfide	4.34677	4.59881	5.80			
Acetone	.36013	.26489	26.45			
Methylene chloride	1.83132	1.95803	6.92			
t-1,2-Dichloroethene	1.62841	1.69370	4.01			
Acrylonitrile	.28356	.25402	10.42			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.62708	1.56		**	
Vinyl acetate	2.84778	2.72437	4.33			
cis-1,2-Dichloroethylene	7.09626	6.94538	2.13			
2-Butanone	.10056	.08987	10.63			(Conc=250.00)
Chloroform	3.47089	3.53543	1.86	*		
1,1,1-Trichloroethane	2.83614	2.62686	7.38			
Carbon tetrachloride	.55919	.69471	24.23			
1,2-DICHLOROETHANE-D4	.41185	.39142	4.96			
1,2-Dichloroethane	.47726	.46691	2.17			
Benzene	.97597	1.02487	5.01			
Trichloroethene	.38182	.39999	4.76			
1,2-Dichloropropane	.46228	.48092	4.03	*		
Bromodichloromethane	.68567	.70153	2.31			
2-Choloroethyl vinyl ether	.21188	.20268	4.34			
c-1,3-Dichloropropene	.56950	.57831	1.55			
4-Methyl-2-pentanone	.43090	.40257	6.58			
TOLUENE-D8	.88526	.87435	1.23			
Toluene	1.02946	1.05242	2.23	*		
t-1,3-Dichloropropene	.45209	.43772	3.18			
1,1,2-Trichloroethane	.29089	.30920	6.29			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00005582

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/11/94

Contractor: WEST PRINE Time: 13:24

Contract No: Laboratory ID: >P2614

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.44943	30.70		
Dibromochloromethane	.64605	.57648	10.77		
2-Hexanone	.36311	.58519	61.16		
1,2-Dibromoethane (EDB)	.70304	.63780	9.28		
Chlorobenzene	.97983	.93628	4.44		**
Ethyl benzene	.45162	.44344	1.81	*	
p,m-Xylene	.56669	.57109	.78		
o-Xylene	.56658	.58052	2.46		
Styrene	.96176	.96462	.30		
Bromoform	.43566	.37093	14.86		**
BROMOFLUOROBENZENE	.91001	.83960	7.74		
1,1,2,2-Tetrachloroethane	.74629	.71509	4.18		**
1,3-Dichlorobenzene	.74767	.73805	1.29		
1,4-Dichlorobenzene	.93886	.87676	6.61		
1,2-Dichlorobenzene	.74387	.74704	.43		
1,2-Dibromo-3-chloropropane	.12242	.10324	15.66		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000683

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2614::D1
Data File: >P2614::A5
Name: 0908VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940911 13:54
Injected at: 940911 13:24
Dilution Factor: 1.00000

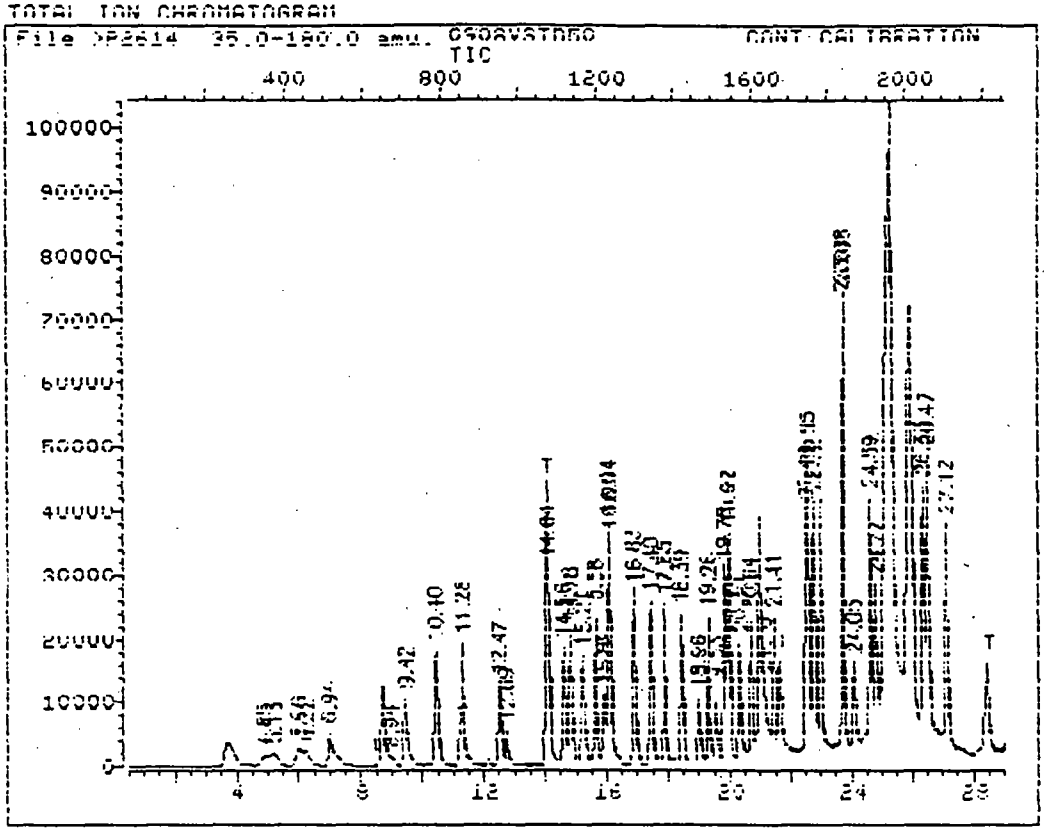
ID File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1116	14153	50.00	PPB	74
2)	Chloromethane	4.85	347	20596	51.64	PPB	92
3)	Vinyl chloride	5.16	371	19853	50.81	PPB	91
4)	Chloroethane	6.22	455	11909	59.45	PPB	92
5)	Bromomethane	5.96	435	18502	52.76	PPB	93
6)	Trichlorofluoromethane	6.54	512	36538	53.69	PPB	95
7)	Acrolein	8.39	627	363	4.94	PPB	90
8)	1,1-Dichloroethene	8.69	651	20529	51.02	PPB	58
9)	Carbon disulfide	9.42	709	65087	52.90	PPB	97
10)	Acetone	8.94	671	3749	36.78	PPB	91
11)	Methylene chloride	10.40	786	27712	53.46	PPB	79
12)	t-1,2-Dichloroethene	11.28	856	23971	52.11	PPB	62
13)	Acrylonitrile	11.17	847	17976	223.96	PPB	96
14)	1,1-Dichloroethane	12.47	950	51334	50.78	PPB	91
15)	Vinyl acetate	12.69	968	38558	47.83	PPB	88
16)	cis-1,2-Dichloroethylene	13.39	1071	98298	48.54	PPB	88
17)	2-Butanone	14.04	1075	6360	223.43	PPB	89
18)	Chloroform	14.78	1133	50037	50.93	PPB	99
19)	1,1,1-Trichloroethane	15.21	1167	37178	46.31	PPB	95
20)	*1,4-DIFLUOROBENZENE	16.83	1296	64402	50.00	PPB	88
21)	Carbon tetrachloride	15.58	1197	44741	62.12	PPB	96
22)	1,2-DICHLOROETHANE-D4	15.89	1221	25208	47.52	PPB	81
23)	1,2-Dichloroethane	16.05	1234	30070	48.92	PPB	98
24)	Benzene	16.64	1283	66004	52.51	PPB	100
25)	Trichloroethene	17.40	1341	25760	52.38	PPB	96
26)	1,2-Dichloropropane	17.85	1376	30972	52.02	PPB	95
27)	Bromodichloromethane	18.39	1419	45180	51.16	PPB	98
28)	2-Choloroethyl vinyl ether	18.96	1464	13053	47.83	PPB	91
29)	c-1,3-Dichloropropene	19.26	1488	37244	50.77	PPB	96
30)	4-Methyl-2-pentanone	19.53	1509	25926	46.71	PPB	86
31)	TOLUENE-D8	19.78	1529	56310	49.38	PPB	99
32)	Toluene	19.82	1540	67778	51.12	PPB	90
33)	t-1,3-Dichloropropene	20.30	1570	28190	48.41	PPB	97
34)	1,1,2-Trichloroethane	20.64	1597	19913	53.15	PPB	92
35)	*CHLOROBENZENE-D5	22.49	1743	51209	50.00	PPB	95
36)	Tetrachloroethene	20.97	1623	23015	34.65	PPB	98
37)	Dibromochloromethane	21.41	1658	29521	44.62	PPB	98
38)	2-Hexanone	21.10	1633	29967	80.58	PPB	78
39)	1,2-Dibromoethane (EDB)	21.64	1676	32661	45.36	PPB	92
40)	Chlorobenzene	22.55	1748	47946	47.78	PPB	95
41)	Ethyl benzene	22.72	1761	22708	49.09	PPB	96
42)	p,m-Xylene	22.93	1778	29245M	50.39	PPB	99
43)	o-Xylene	23.67	1836	29728	51.23	PPB	94

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.68	1837	49397	50.15	PPB	95
45)	Bromoform	24.05	1866	18995	42.57	PPB	97
46)	BROMOFLUOROBENZENE	24.59	1909	42995	46.13	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.77	1923	36619	47.91	PPB	97
48)	1,3-Dichlorobenzene	26.33	2046	37795	49.56	PPB	98
49)	1,4-Dichlorobenzene	26.47	2057	44898	46.69	PPB	97
50)	1,2-Dichlorobenzene	27.12	2108	38255	50.21	PPB	99
51)	1,2-Dibromo-3-chloropropane	28.43	2212	5287	42.17	PPB	79

* Compound is ISTD

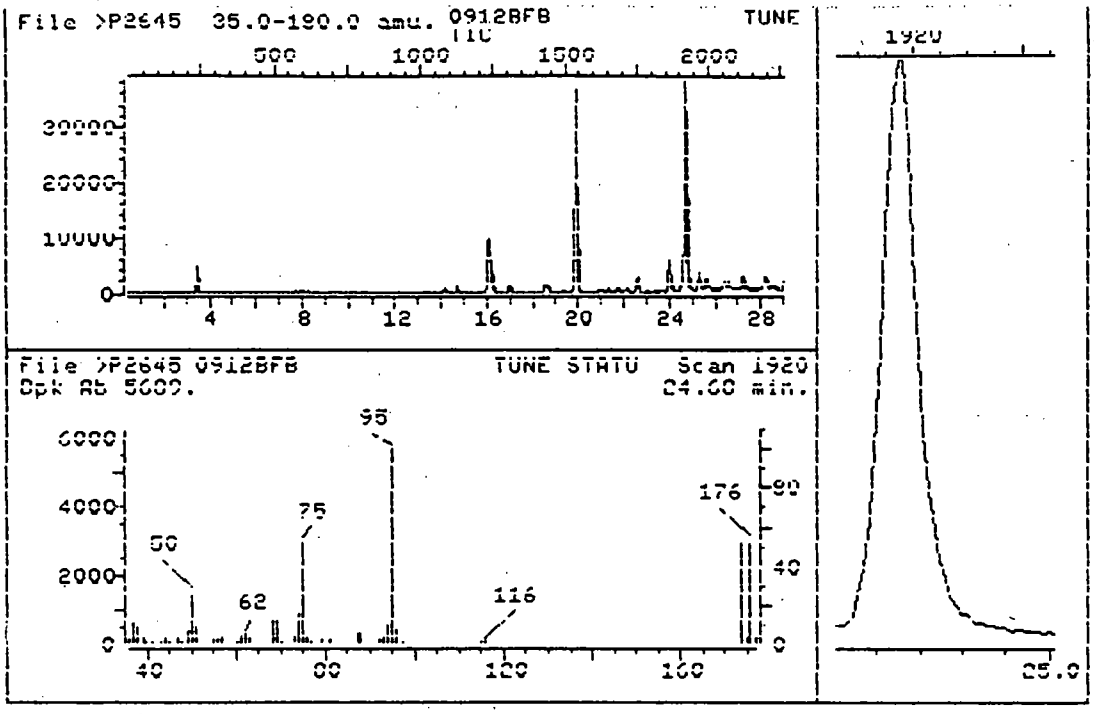
TOTAL ION CHROMATOGRAM



Data File: >P2614::A5 Quant Output File: ^P2614::D1
Name: 0908VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940911 13:54
Injected at: 940911 13:24



EMGR : TUNER,=BFB

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	26.60	26.60	Ok
75	30-60% of mass 95	52.14	52.14	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.24	7.24	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	52.72	52.72	Ok
175	5-9% of mass 174	3.99	7.57	Ok
176	95-101% of mass 174	53.24	101.00	Ok
177	5-9% of mass 176	3.39	6.37	Ok

Injection Date: 09/12/94
Injection Time: 08:10
Data File: >P2645
Scan: 1920

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 09/12/94

Contractor: WEST PAINE | Time: 08:45

Contract No: | Laboratory ID: >P2646

Instrument ID: HP 5970 INST 1 | Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 | Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.62425	15.27		**	
Vinyl chloride	1.38028	1.55767	12.85	*		
Chloroethane	.70771	1.00577	42.12			
Bromomethane	1.23891	1.51277	22.11			
Trichlorofluoromethane	2.40421	2.84622	18.39			
1,1-Dichloroethene	1.42145	1.59695	12.35	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.90548	12.85			
Acetone	.36013	.26455	26.54			
Methylene chloride	1.83132	2.06074	12.53			
t-1,2-Dichloroethene	1.62841	1.86509	14.53			
Acrylonitrile	.28356	.24831	12.43			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.78359	5.95		**	
Vinyl acetate	2.84778	2.35506	17.30			
cis-1,2-Dichloroethylene	7.09626	7.33162	3.32			
2-Butanone	.10056	.07815	22.29			(Conc=250.00)
Chloroform	3.47089	3.62348	4.40	*		
1,1,1-Trichloroethane	2.83614	2.84812	.42			
Carbon tetrachloride	.55919	.53925	3.57			
1,2-DICHLOROETHANE-D4	.41185	.40853	.81			
1,2-Dichloroethane	.47726	.47856	.27			
Benzene	.97597	1.08679	11.35			
Trichloroethene	.38182	.41525	8.76			
1,2-Dichloropropane	.46228	.51541	11.49	*		
Bromodichloromethane	.68567	.69360	1.16			
2-Chloroethyl vinyl ether	.21188	.18701	11.74			
c-1,3-Dichloropropene	.56950	.56855	.17			
4-Methyl-2-pentanone	.43090	.33524	22.20			
TOLUENE-D8	.88526	.97589	10.24			
Toluene	1.02946	1.13811	10.55	*		
t-1,3-Dichloropropene	.45209	.43353	4.11			
1,1,2-Trichloroethane	.29089	.29265	.60			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000688

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/12/94

Contractor: WEST PRINE Time: 08:45

Contract No: Laboratory ID: >P7646

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.47223	27.19		
Dibromochloromethane	.64685	.58052	10.14		
2-Hexanone	.36311	.25688	29.26		
1,2-Dibromoethane (EDB)	.70304	.60796	13.52		
Chlorobenzene	.97983	.99222	1.27		**
Ethyl benzene	.45162	.47920	6.11	*	
p,m-Xylene	.56669	.60952	7.56		
o-Xylene	.56658	.62180	9.75		
Styrene	.96176	1.01805	5.85		
Bromoform	.43566	.37170	14.68		**
BROMOFLUOROBENZENE	.91001	.98433	8.17		
1,1,2,2-Tetrachloroethane	.74629	.68052	8.84		**
1,3-Dichlorobenzene	.74767	.79392	6.19		
1,4-Dichlorobenzene	.93886	.96184	2.36		
1,2-Dichlorobenzene	.74387	.76165	2.39		
1,2-Dibromo-3-chloropropane	.12242	.09216	24.71		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000689

QUANT REPORT

Operator ID: BURBA
Output File: ^F2646::D1
Data File: >F2646::A5
Name: 0912VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940912 09:15
Injected at: 940912 08:45
Dilution Factor: 1.00000

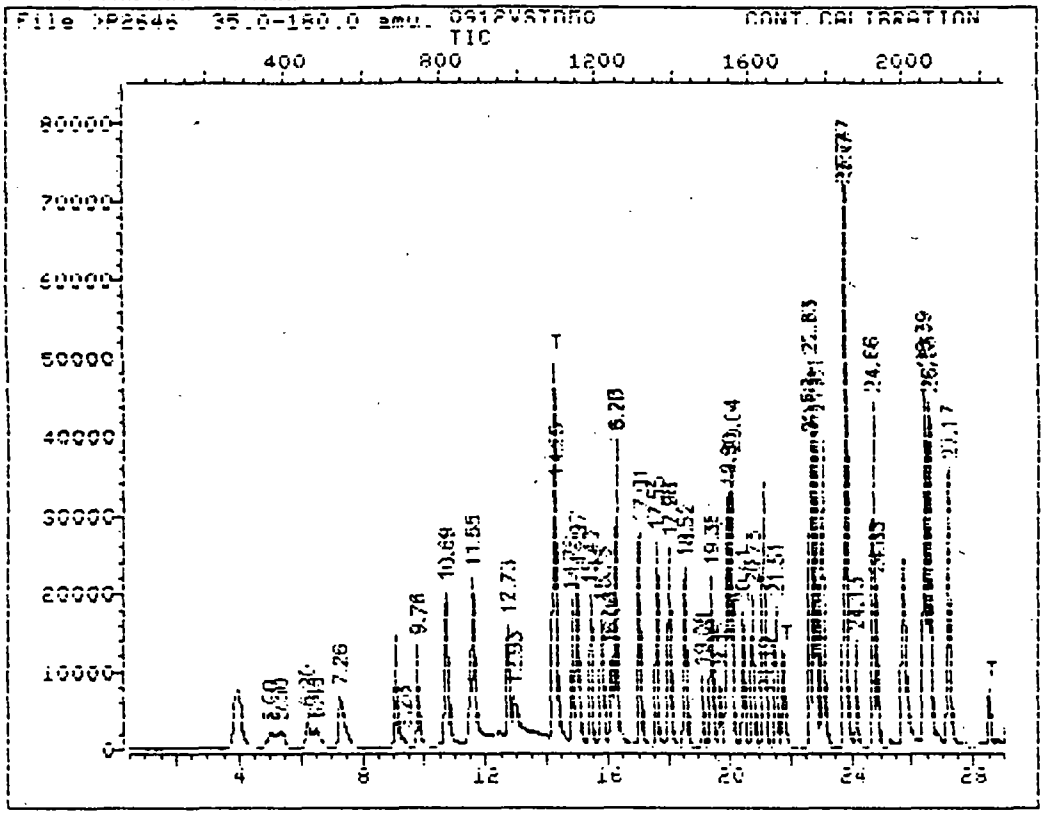
ID File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.76	1133	14209	50.00	PPB	76
2)	Chloromethane	5.00	360	23079	57.63	PPB	97
3)	Vinyl chloride	5.30	384	22133	56.43	PPB	97
4)	Chloroethane	6.48	477	14291	71.06	PPB	94
5)	Bromomethane	6.20	455	21495	61.05	PPB	97
6)	Trichlorofluoromethane	7.26	539	40442	59.19	PPB	97
8)	1,1-Dichloroethene	9.04	680	22691	56.17	PPB	56
9)	Carbon disulfide	9.26	737	69702	56.43	PPB	97
10)	Acetone	9.28	699	3759	36.73	PPB	98
11)	Methylene chloride	10.69	811	29281	56.26	PPB	75
12)	t-1,2-Dichloroethene	11.55	879	26501	57.27	PPB	61
13)	Acrylonitrile	11.45	871	17641	218.92	PPB	95
14)	1,1-Dichloroethane	12.73	972	53761	52.97	PPB	96
15)	Vinyl acetate	12.93	988	33463	41.35	PPB	85
16)	cis-1,2-Dichloroethylene	14.22	1090	104175	51.66	PPB	85
17)	2-Butanone	14.25	1093	5552	194.27	PPB	85
18)	Chloroform	14.97	1150	51486	52.20	PPB	96
19)	1,1,1-Trichloroethane	15.40	1184	40469	50.21	PPB	97
20)	*1,4-DIFLUOROBENZENE	17.01	1311	63212	50.00	PPB	87
21)	Carbon tetrachloride	15.78	1214	34087	48.22	PPB	98
22)	1,2-DICHLOROETHANE-D4	16.06	1236	25824	49.60	PPB	76
23)	1,2-Dichloroethane	16.23	1249	30251	50.14	PPB	95
24)	Benzene	16.20	1247	68698	55.68	PPB	101
25)	Trichloroethene	17.55	1354	26249	54.38	PPB	91
26)	1,2-Dichloropropane	17.98	1388	32580	55.75	PPB	98
27)	Bromodichloromethane	18.52	1431	43844	50.58	PPB	97
28)	2-Choloroethyl vinyl ether	19.08	1475	11821	44.13	PPB	91
29)	c-1,3-Dichloropropene	19.38	1499	35939	49.32	PPB	95
30)	4-Methyl-2-pentanone	19.65	1520	21191	38.90	PPB	88
31)	TOLUENE-D8	19.90	1540	61688	55.12	PPB	96
32)	Toluene	20.04	1551	71942	55.28	PPB	94
33)	t-1,3-Dichloropropene	20.41	1580	27414	47.95	PPB	91
34)	1,1,2-Trichloroethane	20.75	1607	18499	50.30	PPB	97
35)	*CHLOROBENZENE-D5	22.58	1752	50791	50.00	PPB	98
36)	Tetrachloroethene	21.08	1633	23985	36.41	PPB	98
37)	Dibromochloromethane	21.51	1667	29485	44.93	PPB	96
38)	2-Hexanone	21.19	1642	13047	35.37	PPB	91
39)	1,2-Dibromoethane (EDB)	21.75	1686	30879	43.24	PPB	89
40)	Chlorobenzene	22.63	1756	50396	50.63	PPB	97
41)	Ethyl benzene	22.81	1770	24389	53.05	PPB	96
42)	p,m-Xylene	23.02	1787	30958M	53.78	PPB	97
43)	o-Xylene	23.74	1844	31582	54.87	PPB	97
44)	Styrene	23.77	1846	51708	52.93	PPB	95

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.13	1875	18879	42.66	PPB	94
46)	BROMOFLUOROBENZENE	24.66	1917	49995	54.08	PPB	70
47)	1,1,2,2-Tetrachloroethane	24.83	1930	34554	45.58	PPB	96
48)	1,3-Dichlorobenzene	26.39	2054	40324	53.09	PPB	97
49)	1,4-Dichlorobenzene	26.53	2065	48812	51.18	PPB	99
50)	1,2-Dichlorobenzene	27.17	2115	38685	51.20	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.50	2221	4681	37.64	PPB	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2646::A5 Quant Output File: ^P2646::D1
Name: 0912VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940912 09:15
Injected at: 940912 08:45

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 08/28/94

Lab File ID : >G6396 Time Analyzed: 00:19

	0827VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	10763		3.94		60502	4.64		51958	7.00	
	UPPER LIMIT	21526		4.44		121004	5.14		103916	7.50	
	LOWER LIMIT	5381.5		3.44		30251	4.14		25979	6.50	
	SAMPLE NO.										
01	0827VBLK	10058		4.07		55522	4.76		48939	7.04	
02	9408260039	10075		4.07		57063	4.77		50849	7.05	
03	9408260053	10322		4.09		56497	4.78		50080	7.06	
04	9408260038	9877		4.08		52613	4.78		47782	7.06	
05	9408260031	9525		4.08		50379	4.79		46070	7.06	
06	9408260040	9724		4.08		51953	4.78		47518	7.06	
07	9408260030	9088		4.08		48079	4.78		44172	7.05	
08	9408260034	9498		4.08		52248	4.78		47484	7.05	
09	9408260049	9186		4.08		50821	4.79		46738	7.05	
10	9408260050	9128		4.08		51835	4.79		47125	7.06	
11	9408260032	9283		4.08		51300	4.77		46733	7.05	
12	9408260033	9532		4.08		53371	4.78		48408	7.05	
13	9408260037	9735		4.08		54362	4.78		48511	7.04	
14	9408260041	9625		4.07		53963	4.77		48465	7.04	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

	QC LIMITS
IS1 (BCM) = Bromochloromethane	(84-138)
IS2 (DFB) = 1,4-Difluorobenzene	(59-113)
IS3 (CBZ) = Chlorobenzene-d5	(70-121)

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/03/94

Lab File ID : >P2421 Time Analyzed: 11:29

	0903VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12933		14.69		60694	16.93		49188	22.52	
	UPPER LIMIT	25866		15.19		121388	17.43		98376	23.02	
	LOWER LIMIT	6467		14.19		30347	16.43		24594	22.02	
	SAMPLE NO.										
01	0903VBLK	11605		14.68		55084	16.92		43987	22.52	
02	9408260024	11924		14.69		57147	16.95		42884	22.54	
03	9408260025	8563		14.70		40359	16.93		33739	22.52	
04	9408260027	10547		14.70		49353	16.94		39794	22.54	
05	9408260028	12476		14.70		57738	16.95		45102	22.53	
06	9408260042	12404		14.71		56535	16.96		44667	22.54	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/06/94

Lab File ID : >P2465 Time Analyzed: 6:18

	0906VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	13203		14.77		63759	17.01		47919	22.60	
	UPPER LIMIT	26406		15.27		127518	17.51		95838	23.1	
	LOWER LIMIT	6602		14.27		31880	16.51		23959.5	22.1	
	SAMPLE NO.										
01	0906VBLK	12068		14.71		57398	16.96		42800	22.53	
02	9408260035MS	12938		14.61		59921	16.90		46598	22.53	
03	9408260036MSD	12858		14.73		61617	16.97		49870	22.57	
04	9408260051MS	12795		14.74		60971	16.96		46490	22.54	
05	9408260052MSD	12871		14.73		60248	16.99		46937	22.56	
06	9408260045	12380		14.71		59315	16.96		46969	22.55	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/06/94

Lab File ID : >P2483 Time Analyzed: 17:30

	0906VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12077		14.69		54555	16.94		41004	22.53	
	UPPER LIMIT	24154		15.19		109110	17.44		82008	23.03	
	LOWER LIMIT	6039		14.19		27278	16.44		20502	22.03	
	SAMPLE NO.										
01	0906VBLK	11551		14.68		52169	16.91		40081	22.53	
02	9408260043	11773		14.71		55617	16.96		46778	22.55	
03		*		*		*	*		*	*	
04		*		*		*	*		*	*	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/08/94

Lab File ID : >P2539 Time Analyzed: 11:13

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12803		14.60		60518	16.88		44844	22.52	
	UPPER LIMIT	25606		15.10		121036	17.38		89688	23.02	
	LOWER LIMIT	6402		14.10		30259	16.38		22422	22.02	
	SAMPLE NO.										
01	0907VBLK	11232		14.70		51404	16.96		38708	22.53	
02	0905BLK	11946		14.57		55532	16.85		40914	22.49	
03	9408260040	11709		14.64		54198	16.88		40177	22.47	
04	9408260046	10319		14.68		50687	16.92		36641	22.51	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/09/94

Lab File ID : >P2573 Time Analyzed: 11:34

	0909VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	13238		14.69		59054	16.93		44549	22.52	
	UPPER LIMIT	26476		15.19		118108	17.43		89098	23.02	
	LOWER LIMIT	6619		14.19		29527	16.43		22274.5	22.02	
	SAMPLE NO.										
01	0909VBLK	12490		14.69		56947	16.94		42714	22.55	
02	9408260030	11413		14.59		50576	16.85		38615	22.50	
03	9408260039	13537		14.59		60500	16.85		45367	22.50	
04			*		*			*			*
05			*		*			*			*
06			*		*			*			*
07			*		*			*			*
08			*		*			*			*
09			*		*			*			*
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/08/94

Lab File ID : >P2553 Time Analyzed: 23:23

	0907VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12427		14.54		58639	16.83		42841	22.47	
	UPPER LIMIT	24854		15.04		117278	17.33		85682	22.97	
	LOWER LIMIT	6214		14.04		29320	16.33		21421	21.97	
	SAMPLE NO.										
01	0908BLK	11852		14.60		55037	16.86		41159	22.50	
02	9408260053	13316		14.74		61056	16.99		46497	22.57	
03	9408260049	12566		14.72		57213	16.95		44111	22.54	
04	9408260041	12479		14.62		57919	16.89		43788	22.52	
05	9408260048	13756		14.62		63402	16.88		47862	22.52	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/10/94

Lab File ID : >P2595 Time Analyzed: 14:42

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12318		14.62		58400	16.89		43056	22.52	
	UPPER LIMIT	24636		15.12		116800	17.39		86112	23.02	
	LOWER LIMIT	6159		14.12		29200	16.39		21528	22.02	
	SAMPLE NO.										
01	0907VBLK	11981		14.73		58992	16.97		43910	22.55	
02	9408260032	12526		14.73		57051	16.96		44186	22.55	
03	9408260033	12736		14.73		57523	16.96		44627	22.55	
04	9408260034	11798		14.74		56502	16.96		46050	22.57	
05	9408260037	12248		14.73		56407	16.98		45718	22.55	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/11/94

Lab File ID : >P2614 Time Analyzed: 13:54

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	14153		14.56		64402	16.83		51209	22.49	
	UPPER LIMIT	28306		15.06		128804	17.33		102418	22.99	
	LOWER LIMIT	7077		14.06		32201	16.33		25604.5	21.99	
	SAMPLE NO.										
01	0911VBLK	12718		14.56		59760	16.82		43470	22.46	
02	9408260052MSD	13597		14.68		62361	16.92		48009	22.52	
03	9408260035MS	13749		14.70		66201	16.95		55379	22.54	
04	9408260036MSD	12946		14.72		60669	16.95		49256	22.53	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/12/94

Lab File ID : >P2646 Time Analyzed: 8:45

	0912VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	14209		14.76		63212	17.01		50791	22.58	
	UPPER LIMIT	28418		15.26		126424	17.51		101582	23.08	
	LOWER LIMIT	7105		14.26		31606	16.51		25395.5	22.08	
	SAMPLE NO.										
01	0912VBLK	13834		14.74		62466	16.97		49970	22.58	
02	9408260038	13128		14.63		58420	16.90		44283	22.53	
03	9408260051MS	13140		14.71		57860	16.94		47453	22.54	
04	9408260050	13118		14.72		62398	16.96		52280	22.54	
05	9408260031	13047		14.59		57130	16.86		43085	22.52	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
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

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

QUANT REPORT

Operator ID: JULES
Output File: ^G6400::A2
Data File: >G6400::A4
Name: 0827VBLK
Misc: METHOD BLANK/HJP

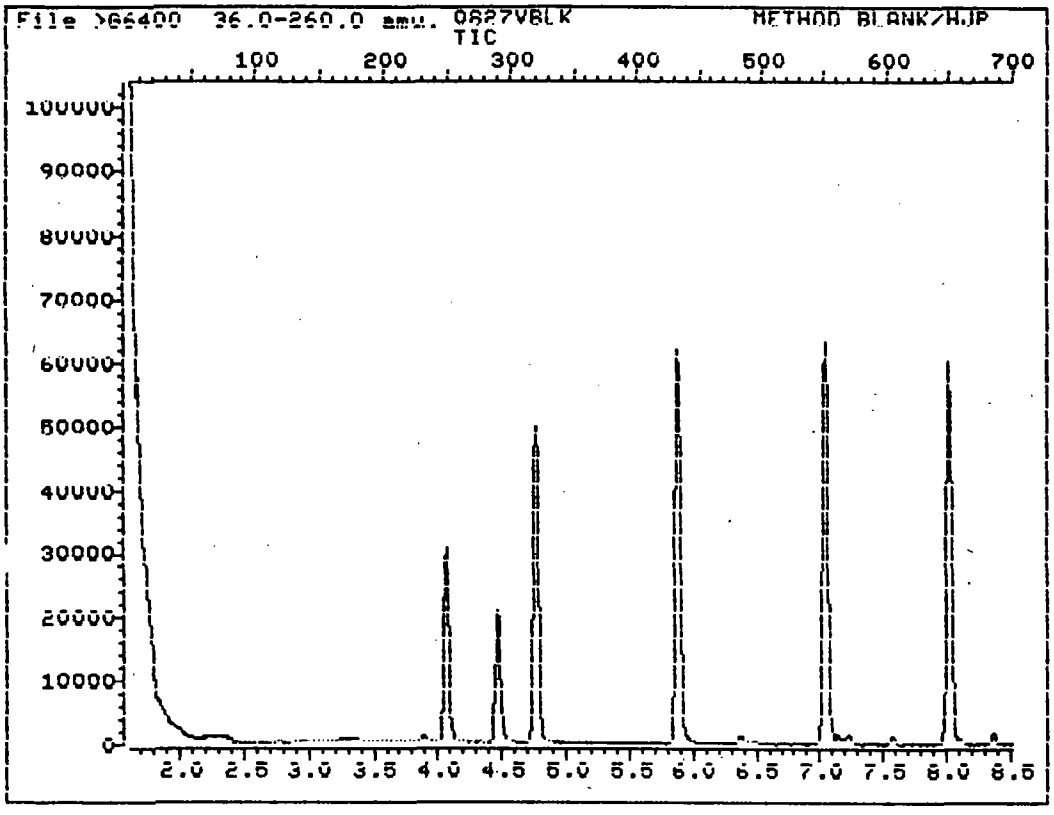
Quant Rev: 6 Quant Time: 940828 01:29
Injected at: 940828 01:20
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	10058	50.00	ug/L	78
20)	*1,4-DIFLUOROBENZENE	4.76	320	55522	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.47	290	19656	52.88	ug/L	84
31)	TOLUENE-D8	5.88	433	59391	55.27	ug/L	99
35)	*CHLOROBENZENE-D5	7.04	551	48939	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.02	650	33891	51.91	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6400::A4
Name: 0827VBLK
Misc: METHOD BLANK/HJP

Quant Output File: ^G6400::A2

Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940828 01:29
Injected at: 940828 01:20

QUANT REPORT

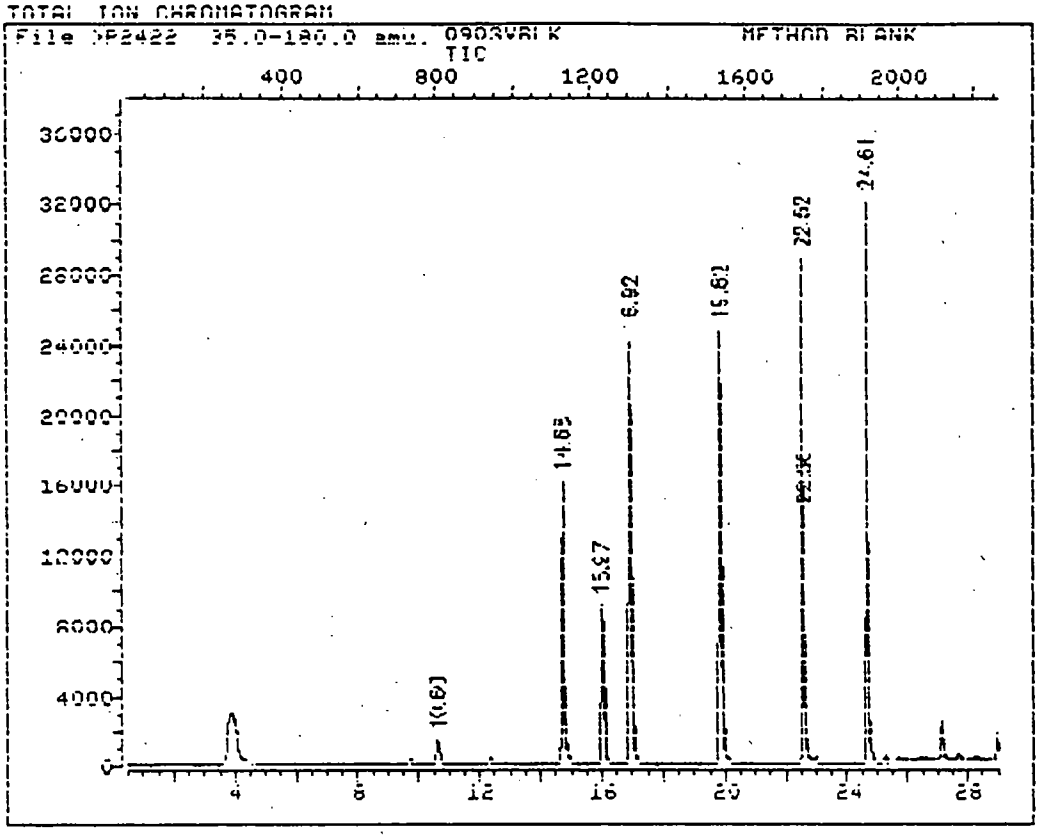
Operator ID: BUBBA
Output File: ^P2422::D1
Data File: >P2422::D2
Name: 0903VBLK
Misc: METHOD BLANK

Quant Rev: 6 Quant Time: 940903 12:41
Injected at: 940903 12:04
Dilution Factor: 1.00000

ID File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	11605	50.00	PPB	76
11)	Methylene chloride	10.60	804	1961	4.53	PPB	76
20)	*1,4-DIFLUOROBENZENE	16.92	1304	55084	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	15.97	1229	19936	47.66	PPB	78
31)	TOLUENE-D8	19.82	1534	46071	50.84	PPB	98
35)	*CHLOROBENZENE-D5	22.52	1748	43387	50.00	PPB	89
40)	Chlorobenzene	22.56	1751	1246	1.64	PPB	86
46)	BROMOFLUOROBENZENE	24.61	1914	38696	51.23	PPB	70

* Compound is ISTD



Data File: >P2422::D2 Quant Output File: ^P2422::D1
Name: 0903VBLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 12:41
Injected at: 940903 12:04

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2466::D1
Data File: >P2466::D2
Name: 0906VBLK
Misc: METHOD BLANK

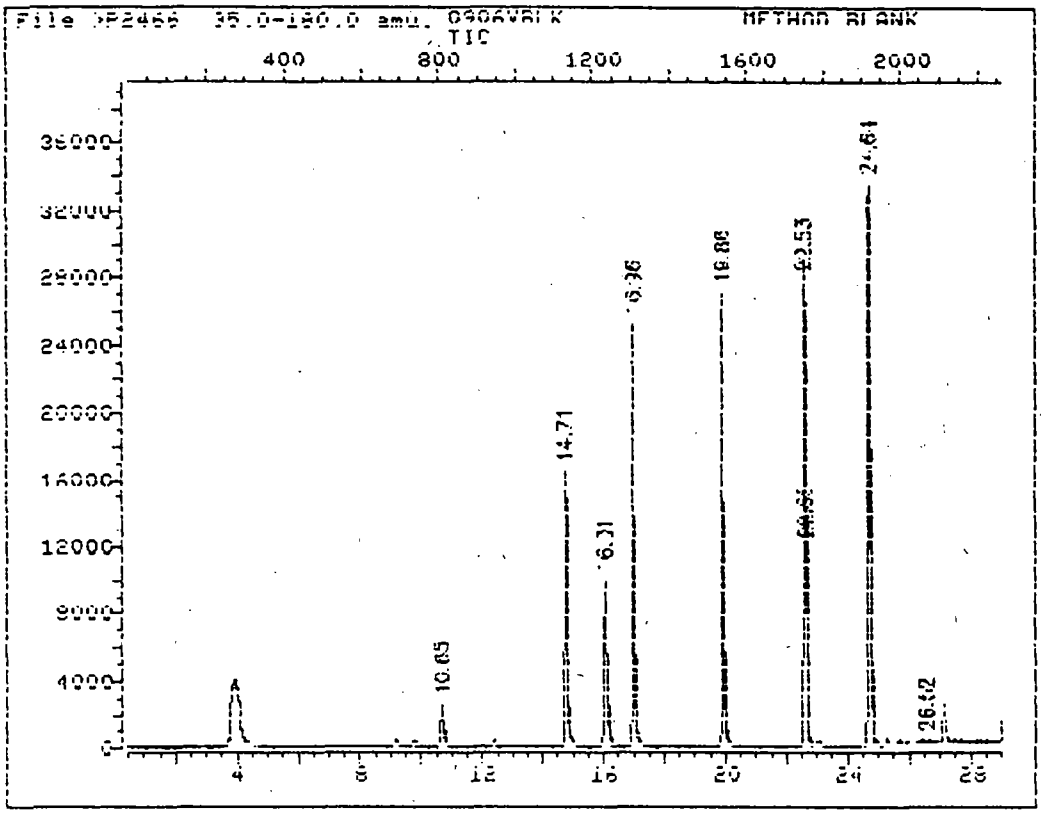
Quant Rev: 6 Quant Time: 940906 07:23
Injected at: 940906 06:53
Dilution Factor: 1.00000

ID File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940906 06:11

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	12068	50.00	PPB	7
11)	Methylene chloride	10.65	807	3443	7.93	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.96	1307	57398	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.01	1232	21116	47.13	PPB	7
31)	TOLUENE-D8	19.86	1537	49900	50.59	PPB	9
35)	*CHLOROBENZENE-D5	22.53	1749	42800	50.00	PPB	9
40)	Chlorobenzene	22.60	1754	1034	1.26	PPB	9
46)	BROMOFLUOROBENZENE	24.64	1916	40734	54.81	PPB	6
48)	1,3-Dichlorobenzene	26.52	2065	148	.24	PPB	9
49)	1,4-Dichlorobenzene	26.52	2065	148	.20	PPB	9

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2466::D2
Name: 0906VBLK
Misc: METHOD BLANK

Quant Output File: ^P2466::D1

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 06:11

Operator ID: BUBBA
Quant Time: 940906 07:23
Injected at: 940906 06:53

50 50ms 50msb
50 51ms 52msb

0000707

QUANT REPORT

Operator ID: BUBBA
Output File: ^PZ484::D1
Data File: >PZ484::D2
Name: 0906UBLK PM
Misc: METHOD BLANK

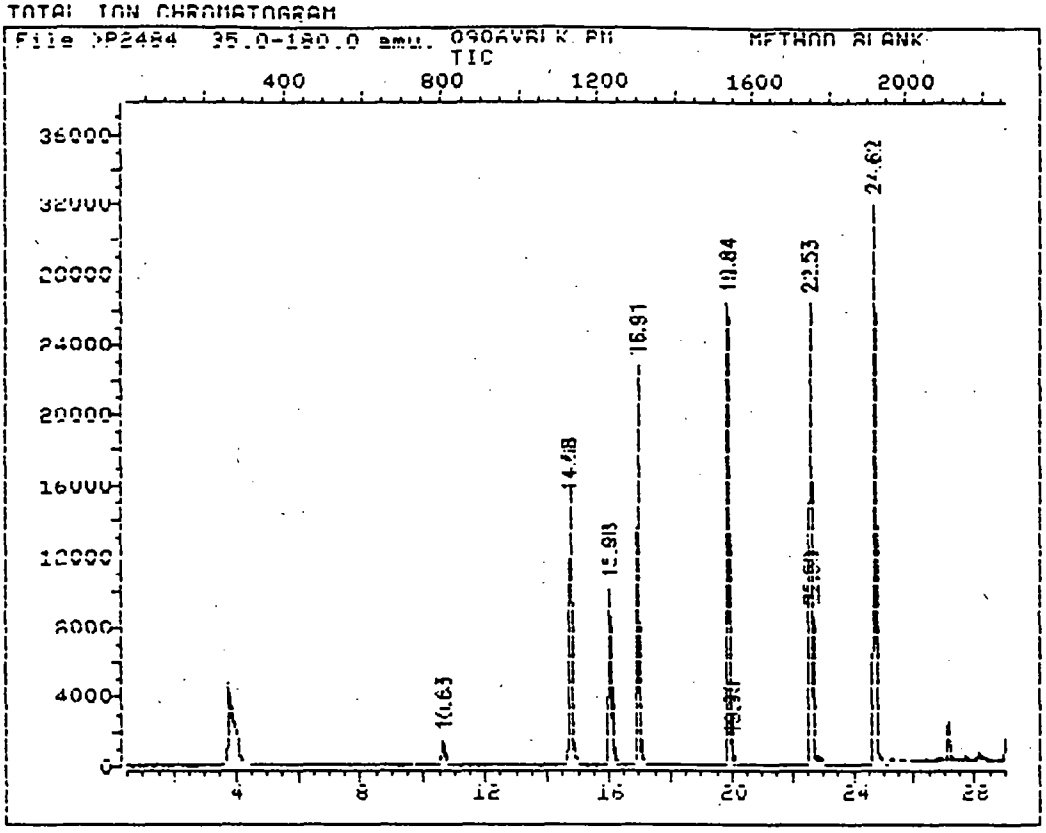
Quant Rev: 6 Quant Time: 940906 18:38
Injected at: 940906 18:06
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1126	11551	50.00	PPB	74
11)	Methylene chloride	10.63	805	2017	4.07	PPB	81
20)	*1,4-DIFLUOROBENZENE	16.91	1303	52169	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	15.98	1229	21344	47.03	PPB	7?
31)	TOLUENE-D8	19.84	1535	48791	48.70	PPB	9?
32)	Toluene	19.98	1546	348	.27	PPB	96
35)	*CHLOROBENZENE-D5	22.53	1748	40081	50.00	PPB	91
40)	Chlorobenzene	22.59	1753	1306	1.42	PPB	86
46)	BROMOFLUOROBENZENE	24.62	1914	38595	47.76	PPB	71

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2484::D2 Quant Output File: ^P2484::D1
Name: 0906VBLK PM
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

Operator ID: BUBBA
Quant Time: 940906 18:38
Injected at: 940906 18:06

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2540::D1
Data File: >P2540::D2
Name: 090/VBLK
Misc: METHOD BLANK

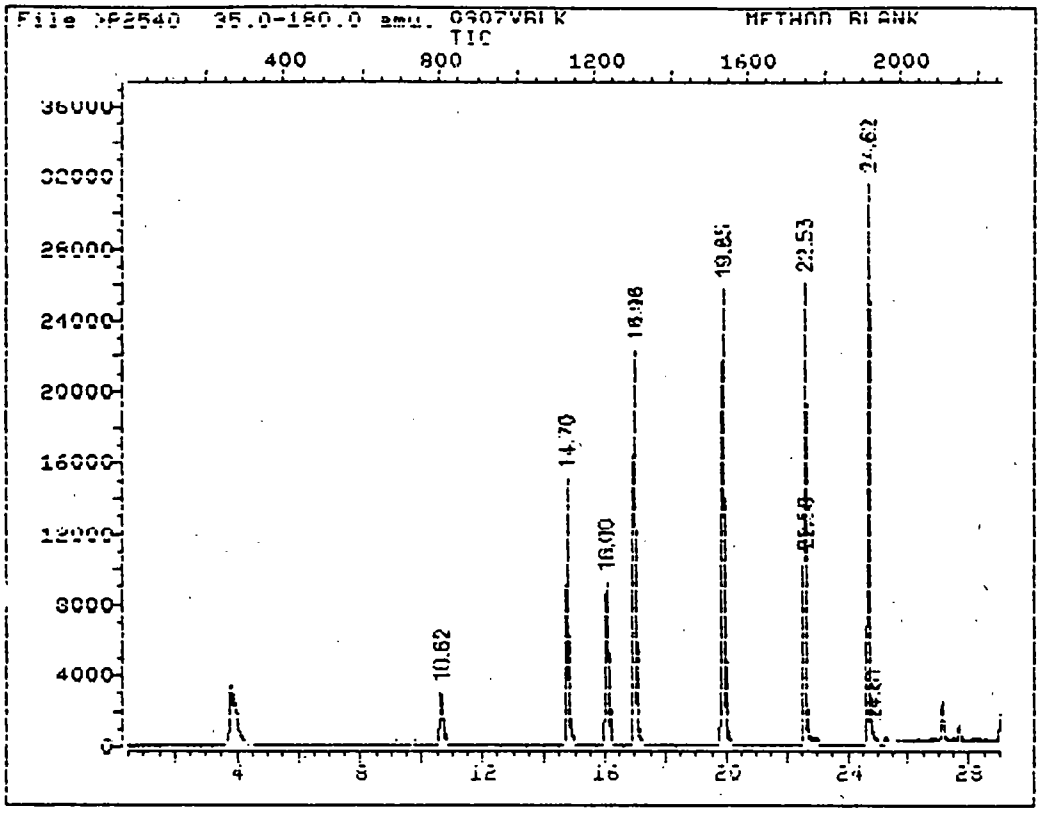
Quant Rev: 6 Quant Time: 940908 11:54
Injected at: 940908 11:18
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1128	11232	50.00	PPB	72
11)	Methylene chloride	10.62	805	4303	7.29	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.96	1307	51404	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.80	1231	20634	58.04	PPB	79
31)	TOLUENE-D8	19.85	1536	48575	61.80	PPB	96
35)	*CHLOROBENZENE-D5	22.53	1749	38708	50.00	PPB	88
40)	Chlorobenzene	22.58	1753	1154	1.41	PPB	99
46)	BROMOFLUOROBENZENE	24.62	1914	38163	62.00	PPB	71
47)	1,1,2,2-Tetrachloroethane	24.81	1929	333	.57	PPB	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2540::D2 Quant Output File: ^P2540::D1
Name: 0907VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

Operator ID: BOBBA
Quant Time: 940908 11:54
Injected at: 940908 11:18

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2574::D1
Data File: >P2574::A5
Name: 0909VBLK
Misc: METH BLK/HJP

Quant Rev: 6 Quant Time: 940909 13:58
Injected at: 940909 11:40
Dilution Factor: 1.00000

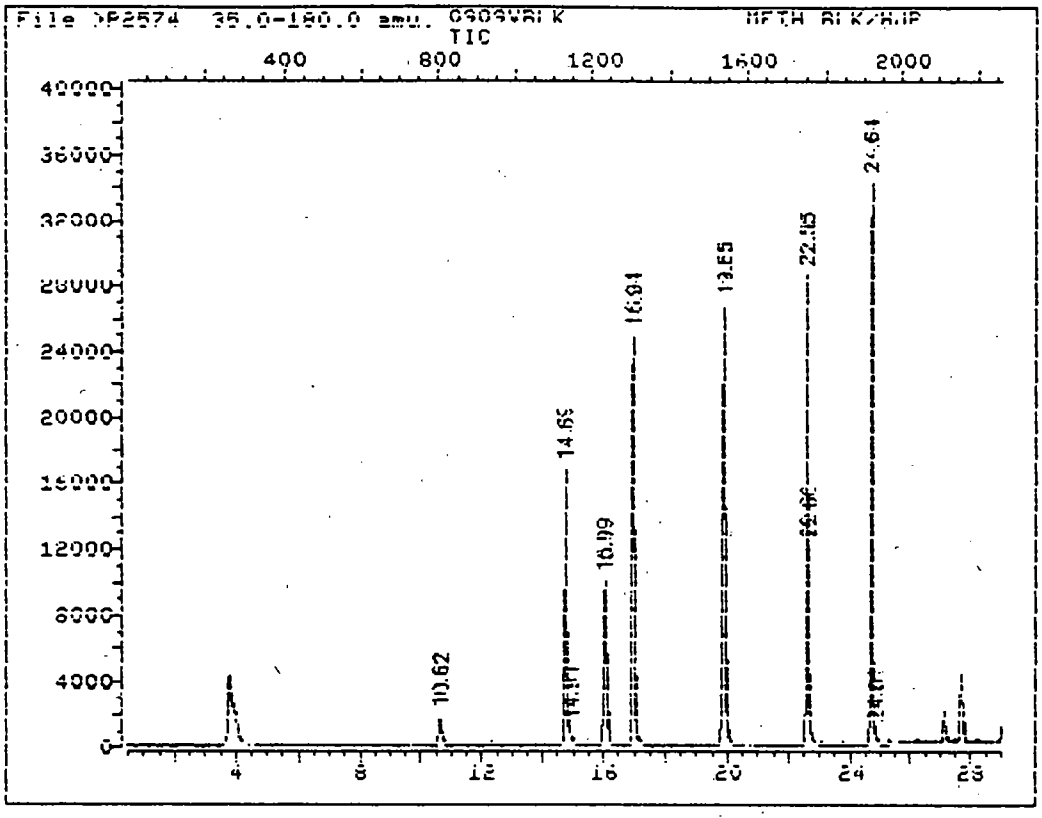
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1128	12490	50.00	PPB	76
11)	Methylene chloride	10.62	805	2521	2.93	PPB	7?
18)	Chloroform	14.91	1145	798	.83	PPB	9?
20)	*1,4-DIFLUOROBENZENE	16.94	1306	56947	50.00	PPB	85
22)	1,2-DICHLOROETHANE-D4	15.99	1231	21371	48.31	PPB	7?
31)	TOLUENE-D8	19.85	1537	50481	52.98	PPB	95
35)	*CHLOROBENZENE-D5	22.55	1751	42714	50.00	PPB	90
40)	Chlorobenzene	22.60	1755	1093	1.19	PPB	92
46)	BROMOFLUOROBENZENE	24.64	1916	40108M	56.09	PPB	7?
47)	1,1,2,2-Tetrachloroethane	24.81	1930	268	.41	PPB	99

* Compound is ISTD

0000712

TOTAL ION CHROMATOGRAM



Data File: >P2574::A5 Quant Output File: ^P2574::D1
Name: 0909VBLK
Misc: METH BLK/HJP

Id File: IDCC01::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

Operator ID: BUBBA
Quant Time: 940909 13:58
Injected at: 940909 11:40

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2556::D1
Data File: >P2556::D2
Name: 940909BLK
Misc: METHOD BLANK

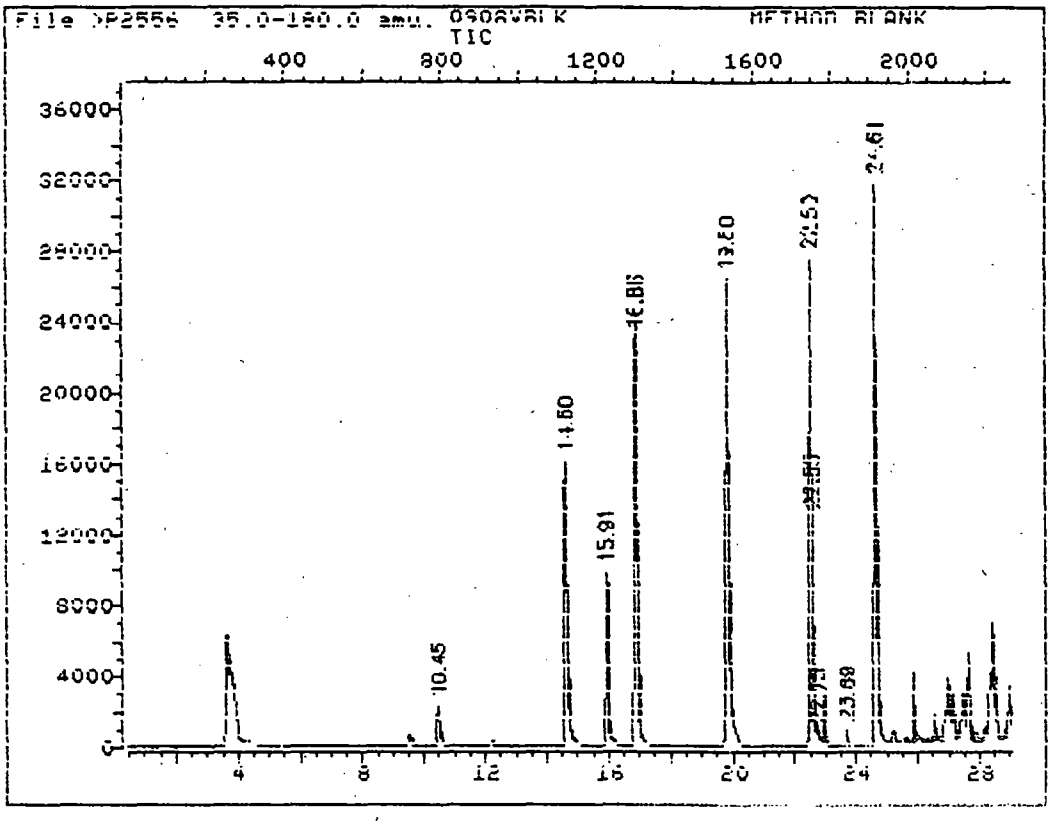
Quant Rev: 6 Quant Time: 940909 02:15
Injected at: 940909 01:41
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.60	1121	11852	50.00	PPB	6
11)	Methylene chloride	10.45	792	3242	5.56	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.86	1300	55037	50.00	PPB	9
22)	1,2-DICHLOROETHANE-D4	15.91	1225	21216	50.58	PPB	8
31)	TOLUENE-D8	19.80	1533	49171	52.77	PPB	9
35)	*CHLOROBENZENE-D5	22.50	1747	41159	50.00	PPB	9
40)	Chlorobenzene	22.55	1751	856	.96	PPB	9
41)	Ethyl benzene	22.73	1765	172	.41	PPB	9
42)	p,m-Xylene	22.73	1765	172	.33	PPB	9
43)	o-Xylene	23.69	1841	560	1.04	PPB	9
46)	BROMOFLUOROBENZENE	24.61	1914	38892	56.25	PPB	6

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2556::D2 Quant Output File: ^P2556::D1
Name: 0908VBLK
Misc: METHOD BLANK

Id File: IDCCN1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 02:15
Injected at: 940909 01:41

QUANT REPORT

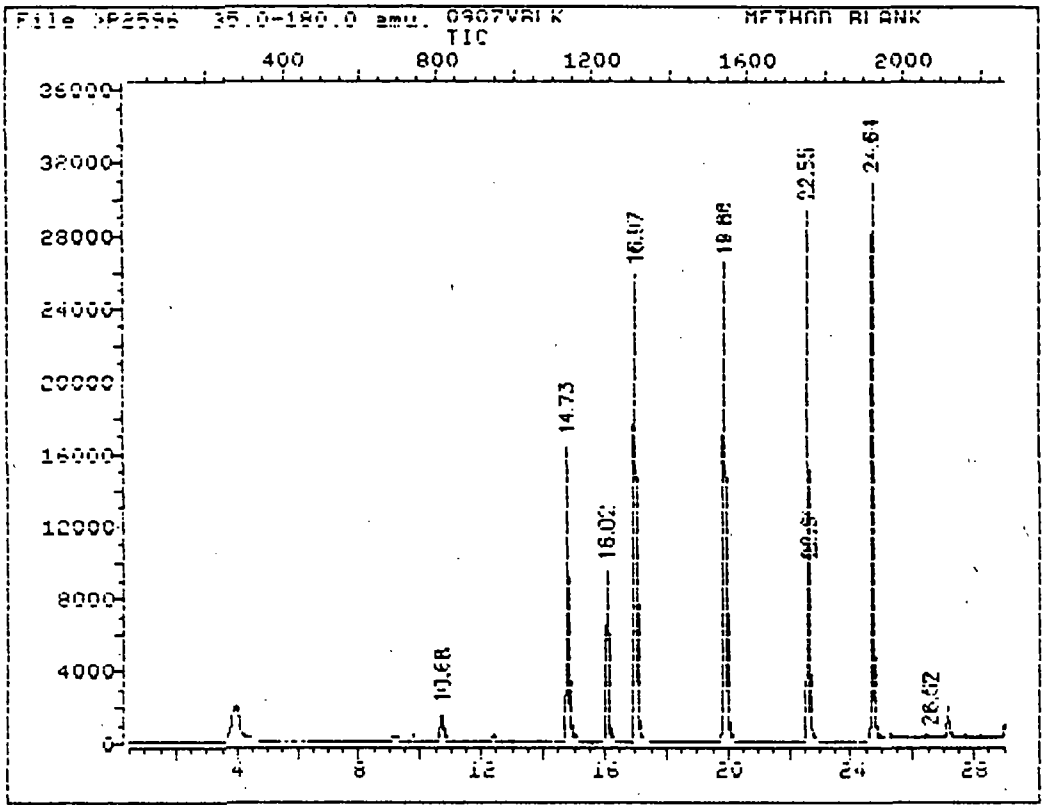
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 15:17
Output File: ^P2596::D1 Injected at: 940910 14:47
Data File: >P2596::A5 Dilution Factor: 1.00000
Name: 0907VBLK
Misc: METHOD BLANK

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	11981	50.00	PPB	76
11)	Methylene chloride	10.68	810	2206	3.33	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.97	1308	58992	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.02	1233	20504	44.57	PPB	85
31)	TOLUENE-D8	19.86	1537	50111	46.76	PPB	96
35)	*CHLOROBENZENE-D5	22.55	1750	43910	50.00	PPB	91
40)	Chlorobenzene	22.61	1755	986	1.06	PPB	96
46)	BROMOFLUOROBENZENE	24.64	1916	37850	46.98	PPB	67
48)	1,3-Dichlorobenzene	26.52	2065	181	.25	PPB	99
49)	1,4-Dichlorobenzene	26.52	2065	181	.20	PPB	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2596::A5 Quant Output File: ^P2596::D1
Name: 0907VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

Operator ID: BUBBA
Quant Time: 940910 15:17
Injected at: 940910 14:47

QUANT REPORT

Operator ID: BUBBA
Output File: ^PZ616::D1
Data File: >PZ616::A5
Name: 0911VBLK
Misc: METHOD BLANK

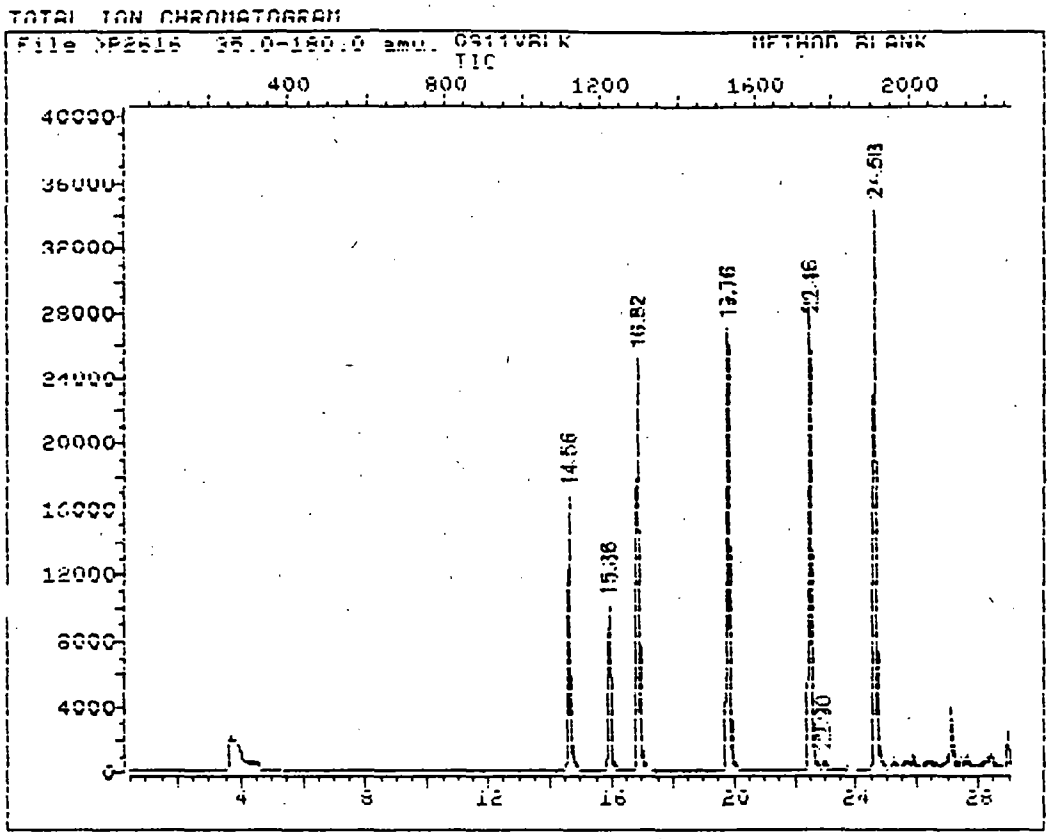
Quant Rev: 6 Quant Time: 940911 15:35
Injected at: 940911 15:05
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1118	12718	50.00	PPB	75
78)	*1,4-DIFLUOROBENZENE	16.82	1287	59760	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	15.86	1221	21812	46.62 93	PPB	82
31)	TOLUENE-D8	19.76	1530	50533	48.36 97	PPB	99
35)	*CHLOROBENZENE-D5	22.46	1744	43470	50.00	PPB	93
41)	Ethyl benzene	22.90	1779	575	1.43	PPB	72
42)	p,m-Xylene	22.98	1779	575	1.16	PPB	68
46)	BROMOFLUOROBENZENE	24.58	1912	42181	57.72 115	PPB	70

* Compound is ISTD

0000718



Data File: >P2616::A5 Quant Output File: ^P2616::D1
Name: 0911VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 15:35
Injected at: 940911 15:05

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2647::D1
Data File: >P2647::A5
Name: 0912VBLK
Misc: METHOD BLANK

Quant Rev: 6 Quant Time: 940912 10:16
Injected at: 940912 09:20
Dilution Factor: 1.00000

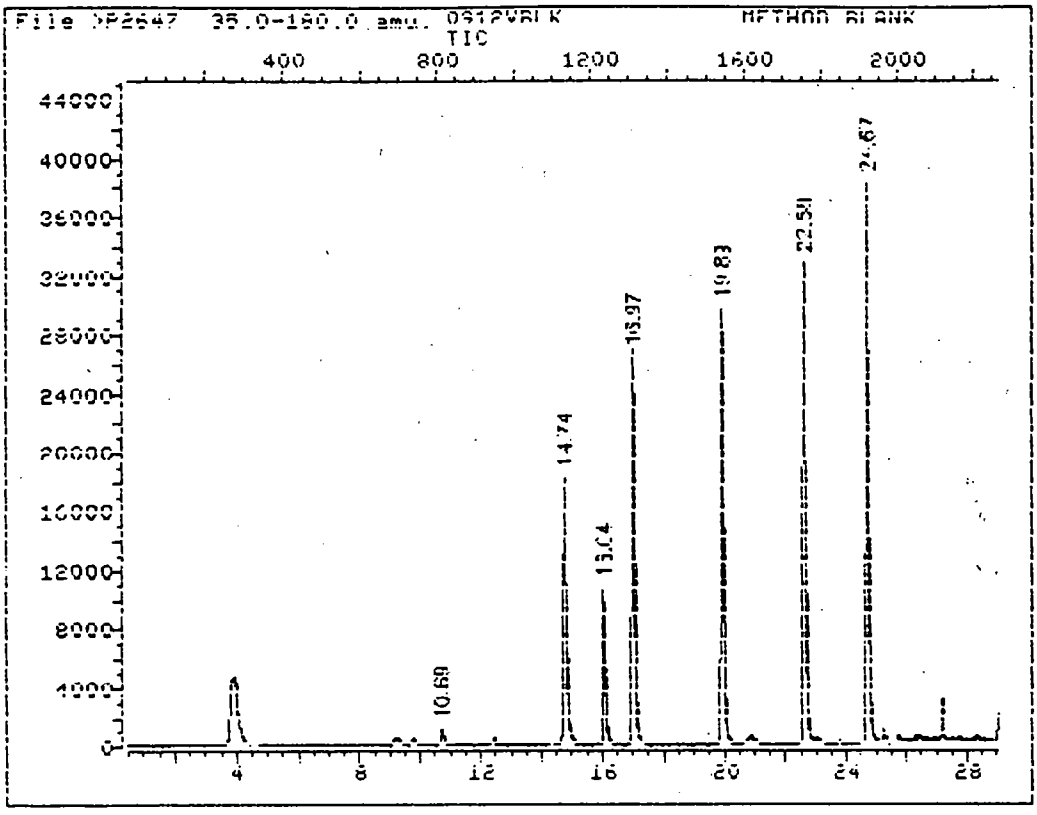
ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	13834	50.00	PPB	82
11)	Methylene chloride	10.69	811	1645	2.89	PPB	84
20)	*1,4-DIFLUOROBENZENE	16.97	1309	62466	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.04	1245	23348	45.75	PPB	82
31)	TOLUENE-D8	19.89	1540	56429	46.28	PPB	96
35)	*CHLOROBENZENE-D5	22.58	1753	49970	50.00	PPB	88
46)	BROMOFLUOROBENZENE	24.67	1919	46783	47.56	PPB	70

* Compound is ISTD

0000720

TOTAL ION CHROMATOGRAM



Data File: >P2647::A5 Quant Output File: ^P2647::D1
Name: 0912VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 10:16
Injected at: 940912 09:20

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260034 & 9408260035MS & 9408260036MSD Level (low/med): low

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	< 6.25	64.2	103	59-172
Trichloroethene	62.5	< 6.25	59.3	95	62-137
Benzene	62.5	< 6.25	51.5	82	60-133
Toluene	62.5	< 6.25	48.0	77	59-139
Chlorobenzene	62.5	< 6.25	58.5	94	66-142

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	71.4	114	11	22	59-172
Trichloroethene	62.5	69.0	110	15	24	62-137
Benzene	62.5	69.5	111	29*	21	60-133
Toluene	62.5	78.0	125	48*	21	59-139
Chlorobenzene	62.5	71.2	114	10	21	66-142

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: V0SME-044

0000722

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 19:05 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.5	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		39.8	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		135	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		295	1250	6.25

0000723

QUANT REPORT

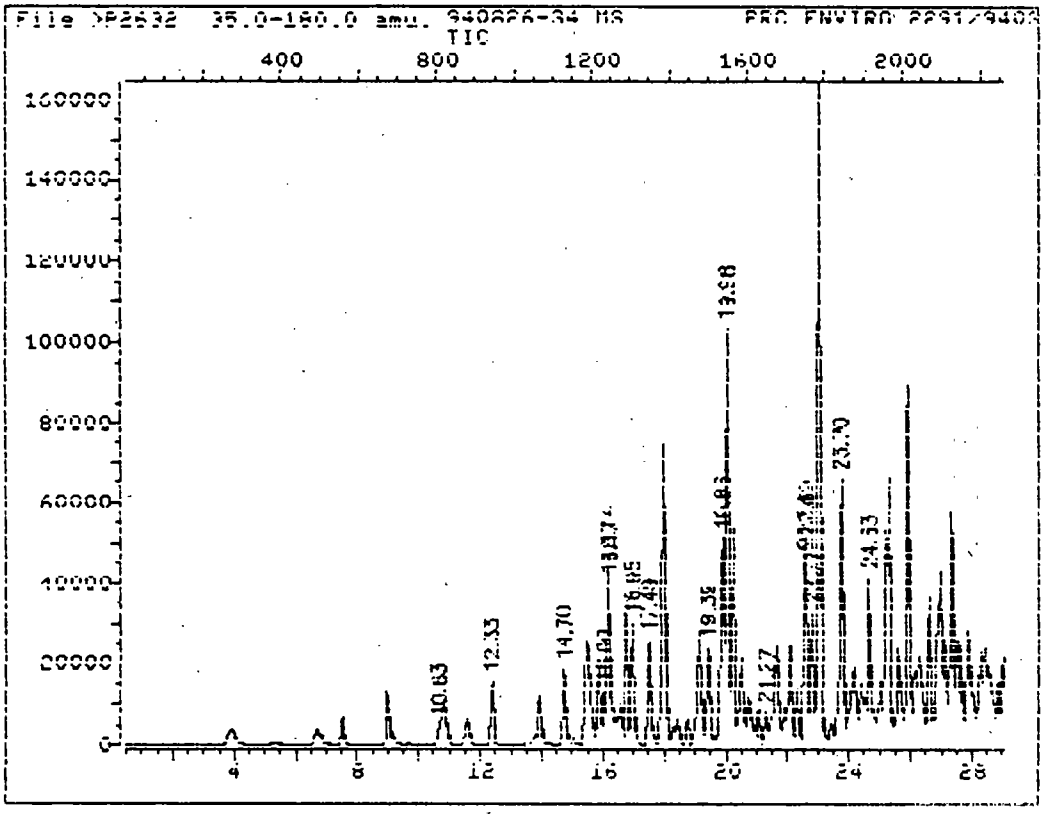
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940911 19:35
Output File: ^P2632::D1 Injected at: 940911 19:05
Data File: >P2632::A5 Dilution Factor: 1250.000
Name: 940826-34 MS
Misc: PRC ENVIRO 2291/9403016/1250DL/J5

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1129	13749	50.00	PPB	8
8)	1,1-Dichloroethene	8.96	674	20495	64229.94	PPB	5
11)	Methylene chloride	10.63	806	3028	7029.84	PPB	8
15)	Vinyl acetate	12.33	941	22169	36990.40	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.95	1307	66201	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.00	1232	22747	54865.6688	PPB	7
23)	1,2-Dichloroethane	16.17	1245	1142	2309.13	PPB	9
24)	Benzene	16.14	1243	105291	96991.98	PPB	10
25)	Trichloroethene	17.49	1350	25142	59342.90	PPB	9
30)	4-Methyl-2-pentanone	19.39	1500	44520	104408.2	PPB	4
31)	TOLUENE-D8	19.86	1537	55435	59856.7996	PPB	9
32)	Toluene	19.98	1547	203641	182680.1	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1749	55379	50.00	PPB	9
36)	Tetrachloroethene	21.03	1630	510	1280.68	PPB	9
38)	2-Hexanone	21.27	1649	5841	11264.84	PPB	5
40)	Chlorobenzene	22.59	1753	48556	58529.08	PPB	9
41)	Ethyl benzene	22.77	1767	14711	37440.75	PPB	9
42)	p,m-Xylene	22.77	1767	14711	29071.79	PPB	9
43)	o-Xylene	23.70	1841	41417	80518.20	PPB	9
46)	BROMOFLUOROBENZENE	24.63	1914	50305	67619.8768	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2632::A5 Quant Output File: ^P2632::D1
Name: 940826-34 MS
Misc: PRC ENVIRO 2291/9403016/125UDL/J5

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 19:35
Injected at: 940911 19:05

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp **ANALYSIS DATE:** 09/11/94 **METHOD:** 8240
ANALYSIS TIME: 19:40 **PREP REQ** : N **PREP DATE** :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	41.5	1250	6.25
Bromoform	< DL	1250	6.25
Carbon tetrachloride	< DL	1250	6.25
Chlorobenzene	< DL	1250	6.25
Chlorodibromomethane	< DL	1250	6.25
Chloroethane	< DL	1250	6.25
2-Chloroethylvinyl ether	< DL	1250	6.25
Chloroform	< DL	1250	6.25
1,2-Dichlorobenzene	< DL	1250	6.25
1,4-Dichlorobenzene	< DL	1250	6.25
1,3-Dichlorobenzene	< DL	1250	6.25
Dichlorobromomethane	< DL	1250	6.25
1,1-Dichloroethane	< DL	1250	6.25
1,2-Dichloroethane	< DL	1250	6.25
1,1-Dichloroethene	< DL	1250	6.25
trans-1,2-Dichloroethene	< DL	1250	6.25
1,2-Dichloropropane	< DL	1250	6.25
1,3-Dichloropropylene	< DL	1250	6.25
trans-1,3-Dichloropropene	< DL	1250	6.25
Ethylbenzene	39.8	1250	6.25
Methyl bromide	< DL	1250	6.25
Methyl chloride	< DL	1250	6.25
Methylene chloride	< DL	1250	6.25
1,1,2,2-Tetrachloroethane	< DL	1250	6.25
Tetrachloroethene	< DL	1250	6.25
Toluene	135	1250	6.25
1,1,1-Trichloroethane	< DL	1250	6.25
1,1,2-Trichloroethane	< DL	1250	6.25
Trichloroethene	< DL	1250	6.25
Trichlorofluoromethane	< DL	1250	6.25
Vinyl chloride	< DL	1250	6.25
Total Xylene	295	1250	6.25

0000726

QUANT REPORT

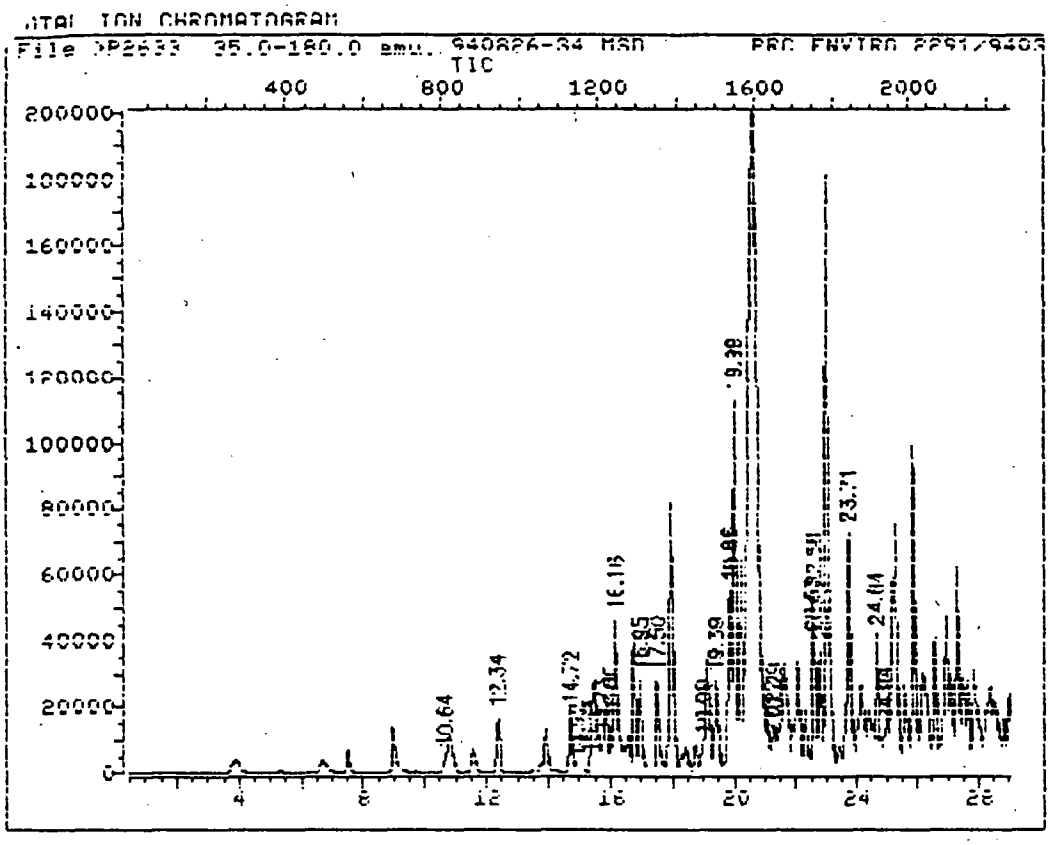
Operator ID: BURBA Quant Rev: 6 Quant Time: 940911 20:10
Output File: ^P2633::D1 Injected at: 940911 19:40
Data File: >P2633::A5 Dilution Factor: 1250.000
Name: 940826-34 MSD
Misc: PRC ENVIRO 2291/940301B/1250DL/J5

ID File: IDCC01::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.72	1130	12946	50.00	PPB	7
8)	1,1-Dichloroethene	8.97	675	21444	71372.52	PPB	5
11)	Methylene chloride	10.64	807	2995	7384.51	PPB	7
15)	Vinyl acetate	12.34	942	23953	42446.16	PPB	8
18)	Chloroform	14.92	1146	1310	1788.85	PPB	9
19)	1,1,1-Trichloroethane	15.33	1179	426	782.92	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.95	1307	60669	50.00	PPB	8
21)	Carbon tetrachloride	15.73	1210	11278	16649.81	PPB	9
22)	1,2-DICHLOROETHANE-D4	16.00	1232	22938	60371.19	PPB	7
24)	Benzene	16.16	1244	110910	111484.1	PPB	10
25)	Trichloroethene	17.50	1350	26778	68967.55	PPB	9
28)	2-Choloroethyl vinyl ether	19.00	1469	110	559.11	PPB	8
30)	4-Methyl-2-pentanone	19.39	1500	50080	128156.7	PPB	4
31)	TOLUENE-D8	19.86	1537	57814	68117.72	PPB	9
32)	Toluene	19.99	1547	217695	213094.5	PPB	9
34)	1,1,2-Trichloroethane	21.22	1644	362	1206.10	PPB	5
35)	*CHLOROBENZENE-D5	22.53	1748	49256	50.00	PPB	9
36)	Tetrachloroethene	21.03	1629	609	1719.39	PPB	9
38)	2-Hexanone	21.29	1650	6749	14634.01	PPB	5
40)	Chlorobenzene	22.58	1752	52569	71243.37	PPB	9
41)	Ethyl benzene	22.76	1766	16088	46035.23	PPB	9
42)	p,m-Xylene	22.76	1766	16088	35745.19	PPB	9
43)	o-Xylene	23.71	1841	45405	99244.19	PPB	9
46)	BROMOFLUOROBENZENE	24.64	1914	45433M	68662.66	PPB	6
47)	1,1,2,2-Tetrachloroethane	24.94	1938	991	1758.47	PPB	4

* Compound is ISTD

0000727



Data File: >P2633::A5 Quant Output File: ^P2633::D1
Name: 940826-34 MSD
Misc: PRC ENVIRO 2291/9403016/125UDL/J5

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 20:10
Injected at: 940911 19:40

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260034 Level:(low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	500	< 50	472	94	61-145
Trichloroethene	500	< 50	491	98	71-120
Benzene	500	460	299	60	76-127
Toluene	500	< 50	717	143*	76-125
lorobenzene	500	< 50	483	97	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500	435	87	8	14	61-145
Trichloroethene	500	452	90	9	14	71-120
Benzene	500	237	47*	25*	11	76-127
Toluene	500	667	133*	7	13	76-125
Chlorobenzene	500	443	89	9	13	75-130

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 5 outside limits
Spike Recovery: 3 out of 10 outside limits

COMMENTS: VOWLO-270 (TCLP)

0000729

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 07:52
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000730

QUANT REPORT

Solid

Operator ID: BUBBA 1 Quant Rev: 6 Quant Time: 940906 08:22
Output File: ^F2467::D1 Injected at: 940906 07:52
Data File: >F2467::D2 Dilution Factor: 10.00000
Name: 940826-034MS 2291
Misc: PCR 100L 9403016

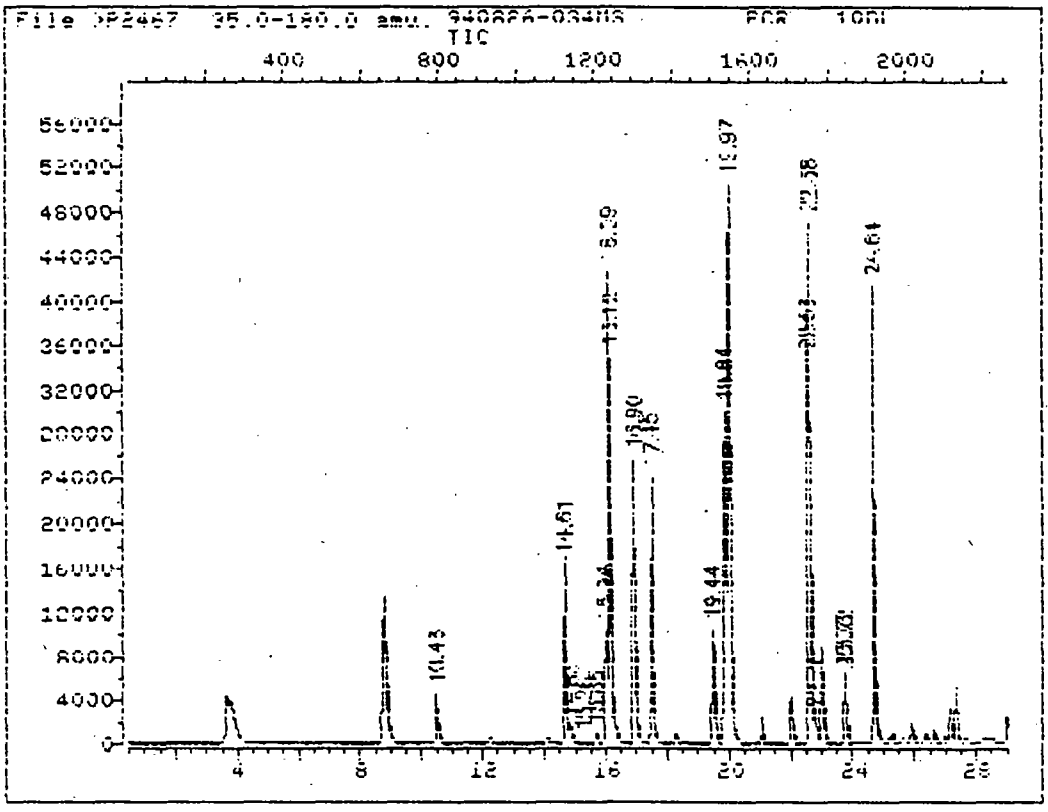
ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.61	1122	12938	50.00	PPB	7
8)	1,1-Dichloroethene	8.75	657	20683	472.08	PPB	5
11)	Methylene chloride	10.46	793	6989	117.05	PPB	7
18)	Chloroform	14.83	1139	2576	25.74	PPB	9
19)	1,1,1-Trichloroethane	15.26	1173	459	5.94	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.90	1303	59921	50.00	PPB	8
21)	Carbon tetrachloride	15.65	1204	1705	27.75	PPB	8
22)	1,2-DICHLOROETHANE-D4	15.94	1227	22877	510.74	PPB	8
23)	1,2-Dichloroethane	16.12	1241	8576	143.32	PPB	9
24)	Benzene	16.09	1239	98821	758.74	PPB	10
25)	Trichloroethene	17.45	1347	24459	491.42	PPB	8
30)	4-Methyl-2-pentanone	19.44	1504	15075	362.23	PPB	4
31)	TOLUENE-D8	19.84	1536	55099	546.26	PPB	9
32)	Toluene	19.97	1546	98914	716.83	PPB	9
35)	*CHLOROBENZENE-D5	22.53	1749	46598	50.00	PPB	8
36)	Tetrachloroethene	21.01	1629	1631	34.14	PPB	9
40)	Chlorobenzene	22.58	1753	47939	483.47	PPB	9
41)	Ethyl benzene	22.76	1767	913	19.34	PPB	9
42)	p,m-Xylene	22.76	1767	913	15.43	PPB	9
43)	o-Xylene	23.72	1843	3687	61.53	PPB	9
44)	Styrene	23.73	1844	2431	25.01	PPB	9
46)	BROMOFLUOROBENZENE	24.64	1916	50261	646.64	PPB	8

* Compound is ISTD

0000731

TOTAL ION CHROMATOGRAM



Data File: >P2467::D2 Quant Output File: ^P2467::D1
Name: 940826-034MS
Misc: PCR 10DL

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 08:22
Injected at: 940906 07:52

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Environmental Laboratories

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Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 08:27
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000733

QUANT REPORT

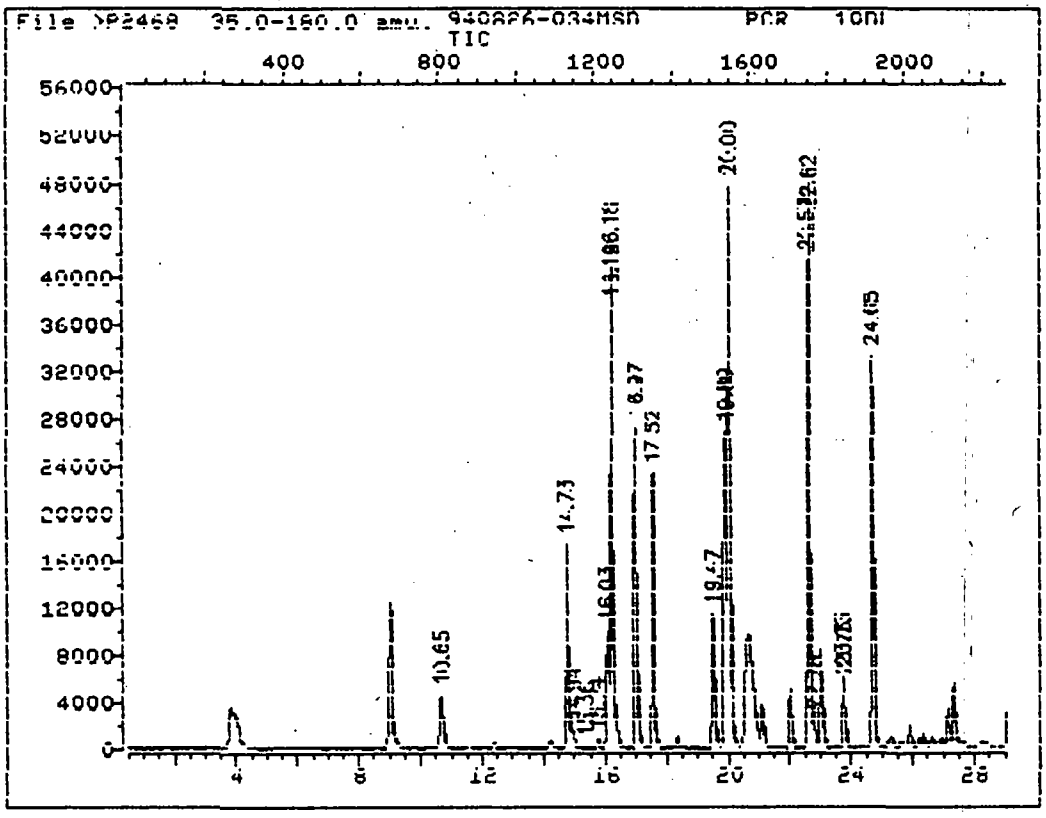
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940906 08:57
Output File: ^P2468::D1 Injected at: 940906 08:27
Data File: >P2468::D2 Dilution Factor: 10.00000
Name: 940826-034MSD
Misc: PCR 10DL

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1129	12858	50.00	PPB	7
8)	1,1-Dichloroethene	9.00	675	18941	435.01	PPB	5
11)	Methylene chloride	10.65	806	6752	113.82	PPB	7
18)	Chloroform	14.94	1146	2210	22.22	PPB	9
19)	1,1,1-Trichloroethane	15.36	1179	300	3.91	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.97	1307	61617	50.00	PPB	8
21)	Carbon tetrachloride	15.74	1209	1227	19.42	PPB	9
22)	1,2-DICHLOROETHANE-D4	16.03	1232	21599	468.47	PPB	8
23)	1,2-Dichloroethane	16.19	1245	8653	140.62	PPB	9
24)	Benzene	16.18	1244	93329	696.85	PPB	10
25)	Trichloroethene	17.52	1350	23140	452.12	PPB	9
30)	4-Methyl-2-pentanone	19.47	1505	16264	381.31	PPB	4
31)	TOLUENE-D8	19.89	1538	49422	476.51	PPB	9
32)	Toluene	20.00	1547	94674	667.22	PPB	9
35)	*CHLOROBENZENE-D5	22.57	1750	49870	50.00	PPB	9
36)	Tetrachloroethene	21.05	1630	2264	44.28	PPB	9
40)	Chlorobenzene	22.62	1754	46967	442.59	PPB	9
41)	Ethyl benzene	22.78	1767	886	17.54	PPB	9
42)	p,m-Xylene	22.78	1767	886	13.99	PPB	9
43)	o-Xylene	23.73	1842	3560	55.52	PPB	9
44)	Styrene	23.75	1844	2342	22.51	PPB	7
46)	BROMOFLUOROBENZENE	24.65	1915	39893	479.57	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2468::D2 Quant Output File: ^P2468::D1
Name: 940826-034MSD
Misc: PCR 10DL

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 08:57
Injected at: 940906 08:27

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SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260050 & 9408260051MS & 9408260052MSD Level (low/med): low

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	6.25	< 0.625	66.6	107	59-172
Trichloroethene	6.25	< 0.625	70.0	112	62-137
Benzene	6.25	< 0.625	66.6	107	60-133
Toluene	6.25	< 0.625	64.1	103	59-139
Chlorobenzene	6.25	< 0.625	69.5	111	66-142

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	6.25	62.6	100	7	22	59-172
Trichloroethene	6.25	62.2	100	12	24	62-137
Benzene	6.25	60.5	97	10	21	60-133
Toluene	6.25	58.7	94	9	21	59-139
Chlorobenzene	6.25	66.3	106	5	21	66-142

\# 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: V0SME-043

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Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 18:29 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	1250	6.25
Bromoform	< DL	1250	6.25
Carbon tetrachloride	< DL	1250	6.25
Chlorobenzene	< DL	1250	6.25
Chlorodibromomethane	< DL	1250	6.25
Chloroethane	< DL	1250	6.25
2-Chloroethylvinyl ether	< DL	1250	6.25
Chloroform	< DL	1250	6.25
1,2-Dichlorobenzene	< DL	1250	6.25
1,4-Dichlorobenzene	< DL	1250	6.25
1,3-Dichlorobenzene	< DL	1250	6.25
Dichlorobromomethane	< DL	1250	6.25
1,1-Dichloroethane	< DL	1250	6.25
1,2-Dichloroethane	< DL	1250	6.25
1,1-Dichloroethene	< DL	1250	6.25
trans-1,2-Dichloroethene	< DL	1250	6.25
1,2-Dichloropropane	< DL	1250	6.25
1,3-Dichloropropylene	< DL	1250	6.25
trans-1,3-Dichloropropene	< DL	1250	6.25
Ethylbenzene	< DL	1250	6.25
Methyl bromide	< DL	1250	6.25
Methyl chloride	< DL	1250	6.25
Methylene chloride	< DL	1250	6.25
1,1,2,2-Tetrachloroethane	< DL	1250	6.25
Tetrachloroethene	< DL	1250	6.25
Toluene	< DL	1250	6.25
1,1,1-Trichloroethane	< DL	1250	6.25
1,1,2-Trichloroethane	< DL	1250	6.25
Trichloroethene	< DL	1250	6.25
Trichlorofluoromethane	< DL	1250	6.25
Vinyl chloride	< DL	1250	6.25
Total Xylene	< DL	1250	6.25

0000737

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 11:23
Output File: ^P2649::D1 Injected at: 940912 10:54
Data File: >P2649::D1 Dilution Factor: 1250.000
Name: 940826-50 MS
Misc: PRC ENO 2291/940830116/1250DB/JS

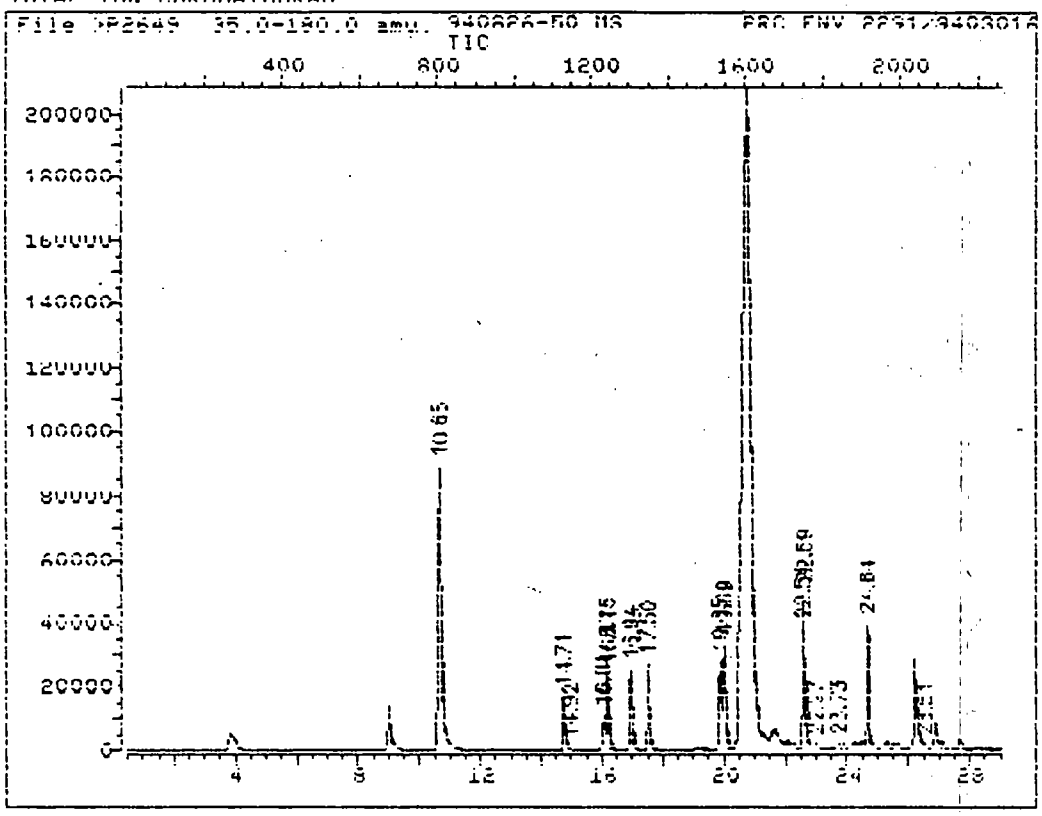
ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	Q
1)	*BROMOCHLOROMETHANE	14.71	1129	13140	50.00	PPB	7
8)	1,1-Dichloroethene	8.98	675	22345	66554.12	PPB	6
11)	Methylene chloride	10.65	807	133534	308215.2	PPB	7
18)	Chloroform	14.92	1146	448	577.58	PPB	8
20)	*1,4-DIFLUOROBENZENE	16.94	1306	57860	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.01	1232	22708	60042.18	PPB	8
23)	1,2-Dichloroethane	16.17	1245	1360	3069.73	PPB	9
24)	Benzene	16.15	1243	66985	66576.58	PPB	10
25)	Trichloroethene	17.50	1350	26908	69995.44	PPB	9
31)	TOLUENE-D8	19.85	1536	53258	58950.20	PPB	8
32)	Toluene	19.99	1547	67511	64075.67	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1749	47453	50.00	PPB	9
36)	Tetrachloroethene	21.02	1629	142	396.05	PPB	8
40)	Chlorobenzene	22.59	1753	52359	69502.17	PPB	9
41)	Ethyl benzene	22.97	1783	460	1264.32	PPB	2
42)	p,m-Xylene	22.97	1783	460	994.00	PPB	7
44)	Styrene	23.73	1843	948	1226.46	PPB	8
46)	BROMOFLUOROBENZENE	24.64	1915	47534	63683.77	PPB	7
48)	1,3-Dichlorobenzene	26.51	2063	186	308.57	PPB	9
49)	1,4-Dichlorobenzene	26.51	2063	186	294.91	PPB	9

* Compound is ISTD

0000738

TOTAL ION CHROMATOGRAM



Data File: >P2649::D1 Quant Output File: ^P2649::D1
Name: 940826-50 MS
Misc: PRC ENV 2291/9403016/1250DL/JS

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 11:23
Injected at: 940912 10:54

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 18:29 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		309	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene	<	DL	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene	<	DL	1250	6.25

0000740

QUANT REPORT

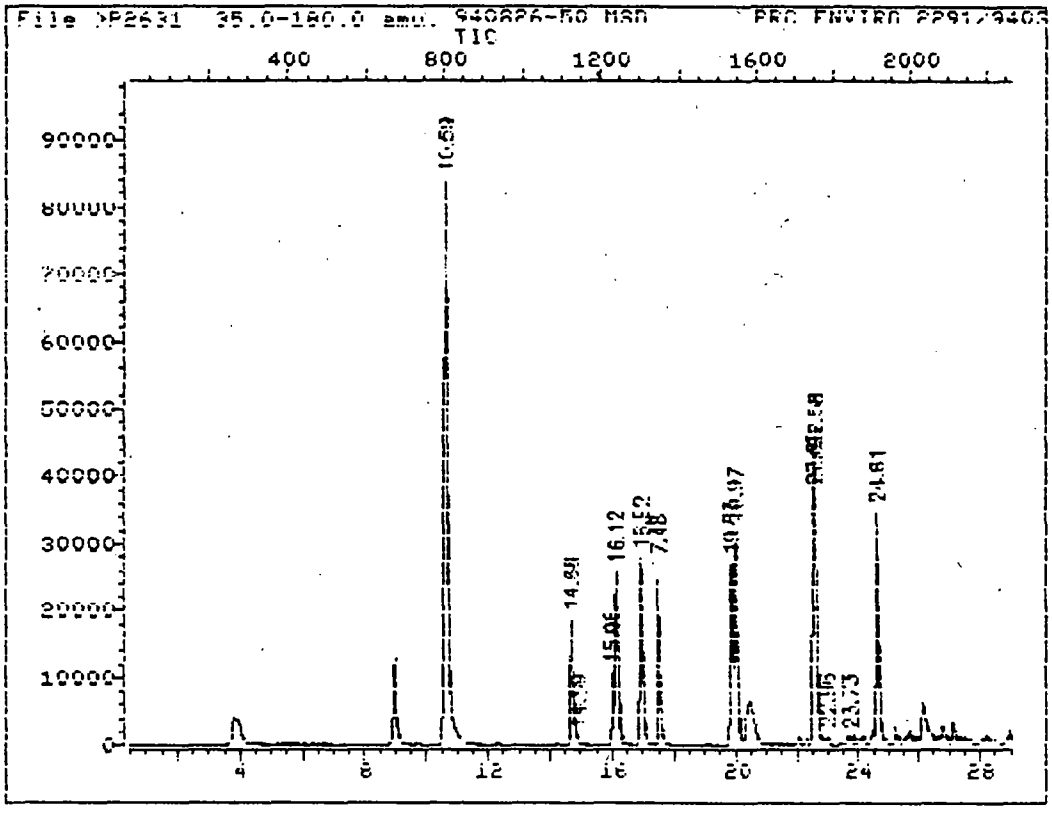
Operator ID: BUBBA : Quant Rev: 6 Quant Time: 940911 18:59
Output File: ^P2631::D1 Injected at: 940911 18:29
Data File: >P2631::A5 Dilution Factor: 1250.000
Name: 940826-50 MSD
Misc: PRC ENVIRO 2291/9408016/1250DL/JS

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	13597	50.00	PPB	7
8)	1,1-Dichloroethene	8.92	671	19761	62621.95	PPB	5
11)	Methylene chloride	10.59	803	127348	298957.6	PPB	7
18)	Chloroform	14.89	1144	486	631.87	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.92	1305	62361	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	15.98	1230	22351	57230.15 92	PPB	8
24)	Benzene	16.12	1241	61819	60453.02	PPB	10
25)	Trichloroethene	17.48	1349	24818	62185.23	PPB	9
31)	TOLUENE-D8	19.83	1535	51053	58519.70 94	PPB	9
32)	Toluene	19.97	1546	61593	58655.52	PPB	9
35)	*CHLOROBENZENE-D5	22.52	1748	48009	50.00	PPB	9
40)	Chlorobenzene	22.58	1753	47706	66332.17	PPB	9
41)	Ethyl benzene	22.96	1783	126	369.91	PPB	6
42)	p,m-Xylene	22.96	1783	126	287.23	PPB	5
44)	Styrene	23.73	1844	382	515.54	PPB	9
46)	BROMOFLUOROBENZENE	24.61	1914	42457	65831.69 105	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2631::A5 Quant Output File: ^P2631::D1
Name: 940826-50 MSD
Misc: PRC ENVIRO 2291/9403016/125UDL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 18:59
Injected at: 940911 18:29

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WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260051MS & 9408260051MSD Level:(low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	500.0	< 50.0	453	91	61-145
Trichloroethene	500.0	< 50.0	474	94	71-120
Benzene	500.0	< 50.0	469	95	76-127
Toluene	500.0	< 50.0	439	87	76-125
lorobenzene	500.0	< 50.0	483	97	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500.0	473	95	4	14	61-145
Trichloroethene	500.0	497	98	4	14	71-120
Benzene	500.0	491	99	4	11	76-127
Toluene	500.0	462	92	5	13	76-125
Chlorobenzene	500.0	500	100	3	13	75-130

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

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

COMMENTS: VOWLO-266 (TCLP)

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 09:02
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2469::D1
Data File: >P2469::D2
Name: 940826-05UMS
Misc: PCR 10DL

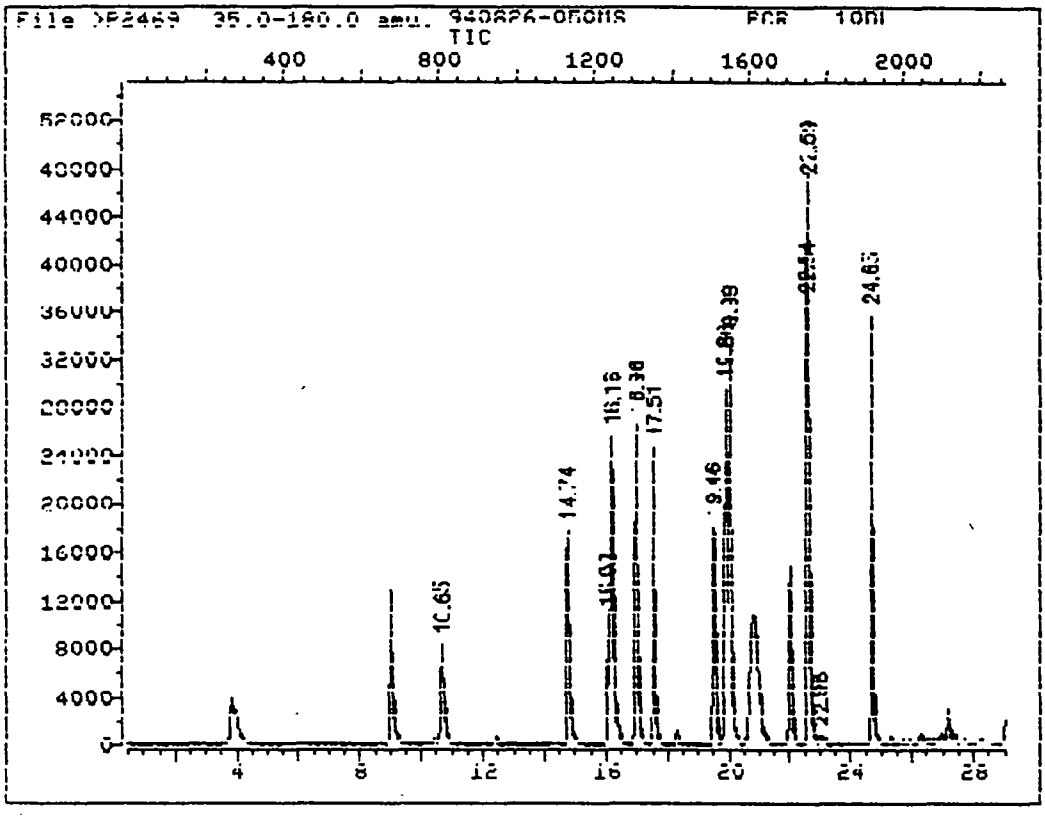
Quant Rev: 6 Quant Time: 940906 09:32
Injected at: 940906 09:02
Dilution Factor: 10.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1131	12795	50.00	PPB	7
8)	1,1-Dichloroethene	9.00	676	19658	453.70	PPB	5
11)	Methylene chloride	10.65	807	12046	204.06	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.96	1307	60971	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.02	1233	22969	503.46	PPB	8
24)	Benzene	16.16	1244	62126	468.78	PPB	10
25)	Trichloroethene	17.51	1351	23999	473.87	PPB	9
30)	4-Methyl-2-pentanone	19.46	1505	25696	608.82	PPB	4
31)	TOLUENE-D8	19.86	1537	54021	526.37	PPB	9
32)	Toluene	19.99	1547	61662	439.17	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1749	46490	50.00	PPB	9
36)	Tetrachloroethene	21.02	1629	394	8.27	PPB	9
40)	Chlorobenzene	22.59	1753	47777	482.95	PPB	9
41)	Ethyl benzene	22.98	1784	306	6.50	PPB	8
42)	p,m-Xylene	22.98	1784	306	5.18	PPB	7
46)	BROMOFLUOROBENZENE	24.63	1915	43078	555.51	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2469::D2 Quant Output File: ^P2469::D1
Name: 940826-05OMS
Misc: PCR 10DL

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 09:32
Injected at: 940906 09:02

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 09:37
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000747

QUANT REPORT

Operator ID: BUBBA
Output File: ^P247U::D1
Data File: >P247U::D2
Name: 940826-05UMSD
Misc: PCR 10DL

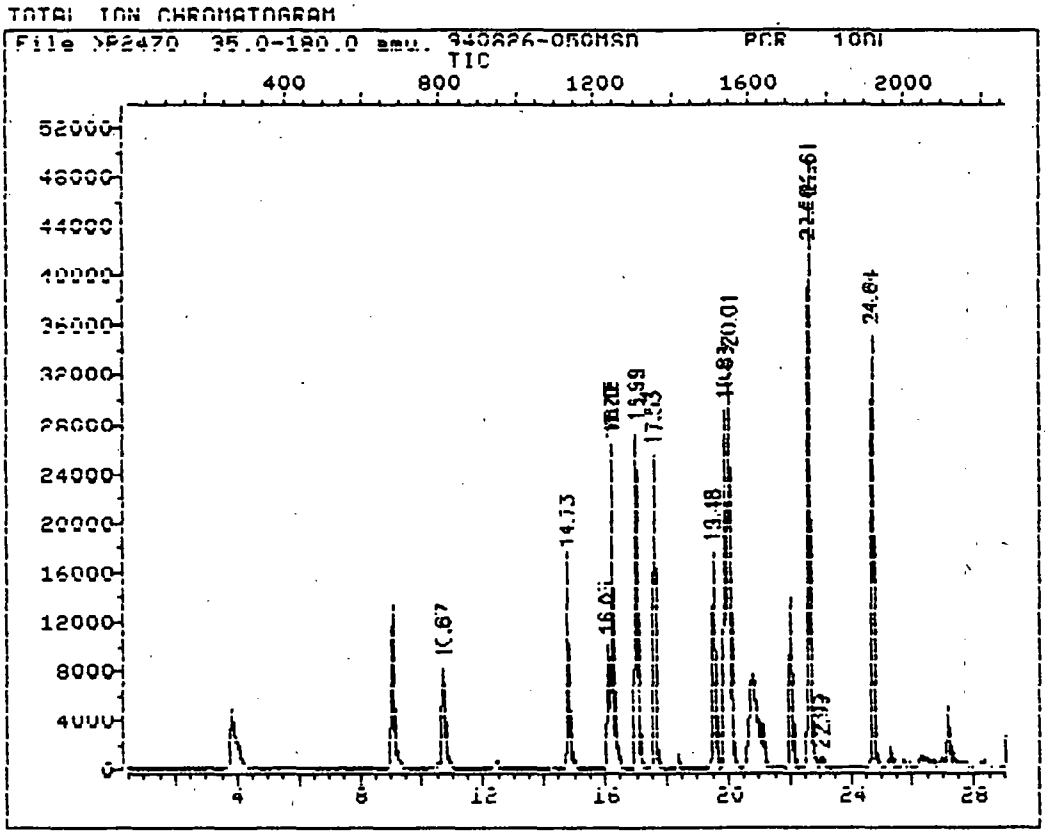
Quant Rev: 6 Quant Time: 940906 10:08
Injected at: 940906 09:37
Dilution Factor: 10.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12871	50.00	PPB	7
8)	1,1-Dichloroethene	8.99	676	20626	473.23	PPB	5
11)	Methylene chloride	10.67	809	11429	192.46	PPB	7
20)	*1,4-DIFLUOROBENZENE	16.99	1310	60248	50.00	PPB	8
22)	1,2-DICHLOROETHANE-D4	16.03	1234	22379	496.42	PPB	8
23)	1,2-Dichloroethane	16.20	1247	757	12.58	PPB	9
24)	Benzene	16.18	1246	64289	490.93	PPB	10
25)	Trichloroethene	17.53	1353	24866	496.89	PPB	9
30)	4-Methyl-2-pentanone	19.48	1507	24887	596.73	PPB	4
31)	TOLUENE-D8	19.88	1539	52805	520.70	PPB	9
32)	Toluene	20.01	1549	64039	461.57	PPB	9
35)	*CHLOROBENZENE-D5	22.56	1751	46937	50.00	PPB	8
36)	Tetrachloroethene	21.03	1630	1855	38.55	PPB	9
40)	Chlorobenzene	22.61	1755	49958	500.19	PPB	9
41)	Ethyl benzene	22.99	1785	390	8.20	PPB	7
42)	p,m-Xylene	22.99	1785	390	6.54	PPB	6
46)	BROMOFLUOROBENZENE	24.64	1916	42174	538.68	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2470::D2
Name: 940826-05UMSD
Misc: PCR 10DL

Quant Output File: ^P2470::D1

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 10:08
Injected at: 940906 09:37

Metals

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7760

PARAMETER: Silver
TEST CODE: AG D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Ag)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	0.48	0.4	08/24/94 12:50	08/30/94	08/31/94 09:30	hbr
9408260031	SBA-02	<DL	0.4	08/24/94 13:00	08/30/94	08/31/94 09:30	hbr
9408260032	SBA-03	<DL	0.4	08/24/94 13:20	08/30/94	08/31/94 09:30	hbr
9408260033	SBA-04	<DL	0.4	08/24/94 13:30	08/30/94	08/31/94 09:30	hbr
9408260034	SBA-05	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 09:30	hbr
9408260035	SBA-05(MS)	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 09:30	hbr
9408260036	SBA-05(MSD)	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 09:30	hbr
9408260037	SBA-06	<DL	0.4	08/24/94 14:10	08/30/94	08/31/94 09:30	hbr
9408260038	SBA-07	<DL	0.4	08/24/94 14:15	08/30/94	08/31/94 09:30	hbr
9408260039	SBA-08	<DL	0.4	08/24/94 15:10	08/30/94	08/31/94 09:30	hbr
9408260040	SBA-09	0.52	0.4	08/24/94 15:20	08/30/94	08/31/94 09:30	hbr
9408260041	SBA-10	<DL	0.4	08/24/94 15:40	08/30/94	08/31/94 09:30	hbr

0000750

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Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7760

PARAMETER: Silver
TEST CODE: AG D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Ag)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	<DL	0.4	08/25/94 08:05	08/30/94	08/31/94 09:30	hbr
9408260049	SBA-12	<DL	0.4	08/25/94 08:12	08/30/94	08/31/94 09:30	hbr
9408260050	SBA-13	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 09:30	hbr
9408260051	SBA-13(MS)	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 09:30	hbr
9408260052	SBA-13(MSD)	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 09:30	hbr
9408260053	SBA-14	<DL	0.4	08/25/94 08:50	08/30/94	08/31/94 09:30	hbr

0000751

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7060

PARAMETER: Arsenic
TEST CODE: AS F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg As)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	2.16	0.4	08/24/94 12:50	08/30/94	08/31/94 08:25	hbr
9408260031	SBA-02	2.01	0.4	08/24/94 13:00	08/30/94	08/31/94 08:25	hbr
9408260032	SBA-03	2.18	0.4	08/24/94 13:20	08/30/94	08/31/94 08:25	hbr
9408260033	SBA-04	1.61	0.4	08/24/94 13:30	08/30/94	08/31/94 08:25	hbr
9408260034	SBA-05	1.67	0.4	08/24/94 13:35	08/30/94	08/31/94 08:25	hbr
9408260035	SBA-05(MS)	1.67	0.4	08/24/94 13:35	08/30/94	08/31/94 08:25	hbr
9408260036	SBA-05(MSD)	1.67	0.4	08/24/94 13:35	08/30/94	08/31/94 08:25	hbr
9408260037	SBA-06	0.400	0.4	08/24/94 14:10	08/30/94	08/31/94 08:25	hbr
9408260038	SBA-07	0.460	0.4	08/24/94 14:15	08/30/94	08/31/94 08:25	hbr
9408260039	SBA-08	1.54	0.4	08/24/94 15:10	08/30/94	08/31/94 08:25	hbr
9408260040	SBA-09	1.64	0.4	08/24/94 15:20	08/30/94	08/31/94 08:25	hbr
9408260041	SBA-10	1.72	0.4	08/24/94 15:40	08/30/94	08/31/94 08:25	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7060

PARAMETER: Arsenic
TEST CODE: AS F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg As)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	2.84	0.4	08/25/94 08:05	08/30/94	08/31/94 08:25	hbr
9408260049	SBA-12	4.72	0.4	08/25/94 08:12	08/30/94	08/31/94 08:25	hbr
9408260050	SBA-13	2.01	0.4	08/25/94 08:17	08/30/94	08/31/94 08:25	hbr
9408260051	SBA-13(MS)	2.01	0.4	08/25/94 08:17	08/30/94	08/31/94 08:25	hbr
9408260052	SBA-13(MSD)	2.01	0.4	08/25/94 08:17	08/30/94	08/31/94 08:25	hbr
9408260053	SBA-14	1.13	0.4	08/25/94 08:50	08/30/94	08/31/94 08:25	hbr

0000753

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Beryllium
TEST CODE: BE D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Be)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	<DL	0.4	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	<DL	0.4	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	<DL	0.4	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	<DL	0.4	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	<DL	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	<DL	0.4	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	<DL	0.4	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	<DL	0.4	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	<DL	0.4	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	0.800	0.4	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

0000754

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Beryllium
TEST CODE: BE D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Be)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	<DL	0.4	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	<DL	0.4	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	<DL	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	<DL	0.4	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

0000755

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Cadmium
TEST CODE: CD D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cd)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	0.480	0.4	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	0.800	0.4	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	1.28	0.4	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	0.760	0.4	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	0.600	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	0.600	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	0.600	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	<DL	0.4	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	<DL	0.4	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	0.720	0.4	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	<DL	0.4	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	2.48	0.4	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Cadmium
TEST CODE: CD D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cd)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	1.80	0.4	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	1.84	0.4	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	1.36	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	1.36	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	1.36	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	1.36	0.4	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Chromium
TEST CODE: CR D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cr)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	4.76	2	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	4.20	2	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	7.20	2	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	5.80	2	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	4.64	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	4.64	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	4.64	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	<DL	2	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	<DL	2	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	6.16	2	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	4.52	2	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	12.4	2	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Chromium
TEST CODE: CR D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cr)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	7.56	2	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	6.64	2	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	7.24	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	7.24	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	7.24	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	11.8	2	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Copper
TEST CODE: CU D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cu)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	14.4	0.8	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	16.9	0.8	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	40.6	0.8	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	32.5	0.8	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	12.9	0.8	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	12.9	0.8	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	12.9	0.8	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	3.40	0.8	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	4.12	0.8	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	22.8	0.8	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	11.2	0.8	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	83.1	0.8	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Copper
TEST CODE: CU D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Cu)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	229	0.8	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	28.4	0.8	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	27.2	0.8	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	27.2	0.8	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	27.2	0.8	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	264	0.8	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7471

PARAMETER: Mercury
TEST CODE: HGCV
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Hg)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	0.027	0.02	08/24/94 12:50	08/30/94	08/31/94 10:00	sod
9408260031	SBA-02	<DL	0.02	08/24/94 13:00	08/30/94	08/31/94 10:00	sod
9408260032	SBA-03	<DL	0.02	08/24/94 13:20	08/30/94	08/31/94 10:00	sod
9408260033	SBA-04	<DL	0.02	08/24/94 13:30	08/30/94	08/31/94 10:00	sod
9408260034	SBA-05	<DL	0.02	08/24/94 13:35	08/30/94	08/31/94 10:00	sod
9408260035	SBA-05(MS)	<DL	0.02	08/24/94 13:35	08/30/94	08/31/94 10:00	sod
9408260036	SBA-05(MSD)	<DL	0.02	08/24/94 13:35	08/30/94	08/31/94 10:00	sod
9408260037	SBA-06	<DL	0.02	08/24/94 14:10	08/30/94	08/31/94 10:00	sod
9408260038	SBA-07	<DL	0.02	08/24/94 14:15	08/30/94	08/31/94 10:00	sod
9408260039	SBA-08	<DL	0.02	08/24/94 15:10	08/30/94	08/31/94 10:00	sod
9408260040	SBA-09	<DL	0.02	08/24/94 15:20	08/30/94	08/31/94 10:00	sod
9408260041	SBA-10	0.044	0.02	08/24/94 15:40	08/30/94	08/31/94 10:00	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7471

PARAMETER: Mercury
TEST CODE: HGCV
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Hg)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	<DL	0.02	08/25/94 08:05	08/30/94	08/31/94 10:00	sod
9408260049	SBA-12	<DL	0.02	08/25/94 08:12	08/30/94	08/31/94 10:00	sod
9408260050	SBA-13	0.059	0.02	08/25/94 08:17	08/30/94	08/31/94 10:00	sod
9408260051	SBA-13(MS)	0.059	0.02	08/25/94 08:17	08/30/94	08/31/94 10:00	sod
9408260052	SBA-13(MSD)	0.059	0.02	08/25/94 08:17	08/30/94	08/31/94 10:00	sod
9408260053	SBA-14	<DL	0.02	08/25/94 08:50	08/30/94	08/31/94 10:00	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Nickel
TEST CODE: NI D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Ni)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	3.00	2	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	13.1	2	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	18.8	2	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	14.2	2	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	13.8	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	13.8	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	13.8	2	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	2.48	2	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	2.36	2	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	11.8	2	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	10.9	2	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	16.0	2	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Nickel
TEST CODE: NI D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Ni)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	4.92	2	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	3.48	2	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	4.28	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	4.28	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	4.28	2	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	4.56	2	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Lead
TEST CODE: PB D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Pb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	7.28	4	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	25.1	4	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	37.5	4	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	29.2	4	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	33.6	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	33.6	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	33.6	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	5.56	4	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	5.52	4	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	21.6	4	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	20.9	4	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	44.2	4	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:

PARAMETER: Lead
TEST CODE: PB D
MATRIX : SOLID

REPORT DATE: 09/30/94
METHOD : 6010

ALL UNITS ARE REPORTED IN (mg/kg Pb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	17.2	4	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	14.2	4	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	26.7	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	26.7	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	26.7	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	80.1	4	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Antimony
TEST CODE: SB D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Sb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	<DL	4	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	7.92	4	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	6.20	4	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	5.12	4	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	<DL	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	<DL	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	<DL	4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	<DL	4	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	<DL	4	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	<DL	4	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	<DL	4	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	<DL	4	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Antimony
TEST CODE: SB D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Sb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	<DL	4	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	<DL	4	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	<DL	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	<DL	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	<DL	4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	<DL	4	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7740

PARAMETER: Selenium
TEST CODE: SE F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Se)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	0.160	0.08	08/24/94 12:50	08/30/94	08/31/94 15:00	hbr
9408260031	SBA-02	0.400	0.08	08/24/94 13:00	08/30/94	08/31/94 15:00	hbr
9408260032	SBA-03	0.280	0.08	08/24/94 13:20	08/30/94	08/31/94 15:00	hbr
9408260033	SBA-04	0.240	0.08	08/24/94 13:30	08/30/94	08/31/94 15:00	hbr
9408260034	SBA-05	0.080	0.08	08/24/94 13:35	08/30/94	08/31/94 15:00	hbr
9408260035	SBA-05(MS)	0.080	0.08	08/24/94 13:35	08/30/94	08/31/94 15:00	hbr
9408260036	SBA-05(MSD)	0.080	0.08	08/24/94 13:35	08/30/94	08/31/94 15:00	hbr
9408260037	SBA-06	0.080	0.08	08/24/94 14:10	08/30/94	08/31/94 15:00	hbr
9408260038	SBA-07	0.080	0.08	08/24/94 14:15	08/30/94	08/31/94 15:00	hbr
9408260039	SBA-08	0.280	0.08	08/24/94 15:10	08/30/94	08/31/94 15:00	hbr
9408260040	SBA-09	0.240	0.08	08/24/94 15:20	08/30/94	08/31/94 15:00	hbr
9408260041	SBA-10	0.200	0.08	08/24/94 15:40	08/30/94	08/31/94 15:00	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7740

PARAMETER: Selenium
TEST CODE: SE F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Se)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	0.080	0.08	08/25/94 08:05	08/30/94	08/31/94 15:00	hbr
9408260049	SBA-12	0.360	0.08	08/25/94 08:12	08/30/94	08/31/94 15:00	hbr
9408260050	SBA-13	0.160	0.08	08/25/94 08:17	08/30/94	08/31/94 15:00	hbr
9408260051	SBA-13(MS)	0.160	0.08	08/25/94 08:17	08/30/94	08/31/94 15:00	hbr
9408260052	SBA-13(MSD)	0.160	0.08	08/25/94 08:17	08/30/94	08/31/94 15:00	hbr
9408260053	SBA-14	<DL	0.08	08/25/94 08:50	08/30/94	08/31/94 15:00	hbr

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7841

PARAMETER: Thallium
TEST CODE: TL F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Tl)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	0.256	0.12	08/24/94 12:50	08/30/94	08/31/94 13:45	sod
9408260031	SBA-02	1.25	0.12	08/24/94 13:00	08/30/94	08/31/94 13:45	sod
9408260032	SBA-03	0.976	0.12	08/24/94 13:20	08/30/94	08/31/94 13:45	sod
9408260033	SBA-04	0.828	0.12	08/24/94 13:30	08/30/94	08/31/94 13:45	sod
9408260034	SBA-05	0.372	0.12	08/24/94 13:35	08/30/94	08/31/94 13:45	sod
9408260035	SBA-05(MS)	0.372	0.12	08/24/94 13:35	08/30/94	08/31/94 13:45	sod
9408260036	SBA-05(MSD)	0.372	0.12	08/24/94 13:35	08/30/94	08/31/94 13:45	sod
9408260037	SBA-06	<DL	0.12	08/24/94 14:10	08/30/94	08/31/94 13:45	sod
9408260038	SBA-07	<DL	0.12	08/24/94 14:15	08/30/94	08/31/94 13:45	sod
9408260039	SBA-08	0.620	0.12	08/24/94 15:10	08/30/94	08/31/94 13:45	sod
9408260040	SBA-09	0.740	0.12	08/24/94 15:20	08/30/94	08/31/94 13:45	sod
9408260041	SBA-10	0.188	0.12	08/24/94 15:40	08/30/94	08/31/94 13:45	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 7841

PARAMETER: Thallium
TEST CODE: TL F
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Tl)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	<DL	0.12	08/25/94 08:05	08/30/94	08/31/94 13:45	sod
9408260049	SBA-12	<DL	0.12	08/25/94 08:12	08/30/94	08/31/94 13:45	sod
9408260050	SBA-13	0.172	0.12	08/25/94 08:17	08/30/94	08/31/94 13:45	sod
9408260051	SBA-13(MS)	0.172	0.12	08/25/94 08:17	08/30/94	08/31/94 13:45	sod
9408260052	SBA-13(MSD)	0.172	0.12	08/25/94 08:17	08/30/94	08/31/94 13:45	sod
9408260053	SBA-14	<DL	0.12	08/25/94 08:50	08/30/94	08/31/94 13:45	sod

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Zinc
TEST CODE: ZN D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Zn)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	73.3	0.4	08/24/94 12:50	08/30/94	08/31/94 14:30	rak
9408260031	SBA-02	68.4	0.4	08/24/94 13:00	08/30/94	08/31/94 14:30	rak
9408260032	SBA-03	186	0.4	08/24/94 13:20	08/30/94	08/31/94 14:30	rak
9408260033	SBA-04	209	0.4	08/24/94 13:30	08/30/94	08/31/94 14:30	rak
9408260034	SBA-05	96.2	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260035	SBA-05(MS)	96.2	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260036	SBA-05(MSD)	96.2	0.4	08/24/94 13:35	08/30/94	08/31/94 14:30	rak
9408260037	SBA-06	15.3	0.4	08/24/94 14:10	08/30/94	08/31/94 14:30	rak
9408260038	SBA-07	17.7	0.4	08/24/94 14:15	08/30/94	08/31/94 14:30	rak
9408260039	SBA-08	71.1	0.4	08/24/94 15:10	08/30/94	08/31/94 14:30	rak
9408260040	SBA-09	68.9	0.4	08/24/94 15:20	08/30/94	08/31/94 14:30	rak
9408260041	SBA-10	121	0.4	08/24/94 15:40	08/30/94	08/31/94 14:30	rak

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 6010

PARAMETER: Zinc
TEST CODE: ZN D
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (mg/kg Zn)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260048	SBA-11	250	0.4	08/25/94 08:05	08/30/94	08/31/94 14:30	rak
9408260049	SBA-12	173	0.4	08/25/94 08:12	08/30/94	08/31/94 14:30	rak
9408260050	SBA-13	254	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260051	SBA-13(MS)	254	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260052	SBA-13(MSD)	254	0.4	08/25/94 08:17	08/30/94	08/31/94 14:30	rak
9408260053	SBA-14	411	0.4	08/25/94 08:50	08/30/94	08/31/94 14:30	rak

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INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 1	%R(1)	Found 2	%R(1)
Aluminum	10000			2000				
Antimony	2500	2526	101	2000	1886	94	1906	95
Arsenic	50	50	100	50	48	96	51	102
Barium	10000			2000				
Beryllium	250	259	104	2000	1961	98	1988	99
Cadmium	250	254	102	2000	2044	102	2004	100
Calcium	5000			2000				
Chromium	1000	976	98	2000	1804	90	1876	94
Cobalt	2500			2000				
Copper	1250	1225	98	2000	1973	99	1956	98
Iron	5000			2000				
Lead	2500	2517	101	2000	2007	100	2034	102
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5	5.10	102	5	5.35	107	5.00	100
Nickel	2500	2458	98	2000	1934	97	1944	97
Potassium	5000			5000				
Selenium	50	52	104	50	52	104	48	96
Silver	500	520	104	500	515	103	525	105
Sodium	5000			50000				
Thallium	100	99	99	100	100	100	104	104
Tin	25000							
Vanadium	2500			2000				
Zinc	2500	2590	104	2000	2001	100	1891	95

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 3	%R(1)	Found 4	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000	1960	98	1809	91
Arsenic	50			50	47	94		
Barium	10000			2000				
Beryllium	250			2000	1964	98	1990	100
Cadmium	250			2000	2002	100	2026	101
Calcium	5000			2000				
Chromium	1000			2000	1801	90	1816	91
Cobalt	2500			2000				
Copper	1250			2000	1970	99	1951	98
Iron	5000			2000				
Lead	2500			2000	2050	103	2055	103
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	4.85	97	5.05	101
Nickel	2500			2000	1976	99	1942	97
Potassium	5000			5000				
Selenium	50			50	47	94	49	98
Silver	500			500	520	104	525	105
Sodium	5000			50000				
Thallium	100			100	101	101	101	101
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000	1948	97	1909	96

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				
	True	Found	%R(1)	True	Found 5	%R(1)	Found 6	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000	1812	91		
Arsenic	50			50				
Barium	10000			2000				
Beryllium	250			2000	1923	96		
Cadmium	250			2000	1957	98		
Calcium	5000			2000				
Chromium	1000			2000	1832	92		
Cobalt	2500			2000				
Copper	1250			2000	1929	97		
Iron	5000			2000				
Lead	2500			2000	1948	97		
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	5.25	105	4.65	93
Nickel	2500			2000	1893	95		
Potassium	5000			5000				
Selenium	50			50				
Silver	500			500				
Sodium	5000			50000				
Thallium	100			100	105	105	101	101
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000	1930	97		

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 7	%R(1)	Found 8	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000				
Arsenic	50			50				
Barium	10000			2000				
Beryllium	250			2000				
Cadmium	250			2000				
Calcium	5000			2000				
Chromium	1000			2000				
Cobalt	2500			2000				
Copper	1250			2000				
Iron	5000			2000				
Lead	2500			2000				
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	4.55	91	4.35	87
Nickel	2500			2000				
Potassium	5000			5000				
Selenium	50			50				
Silver	500			500				
Sodium	5000			50000				
Thallium	100			100	100	100	104	104
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000				

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000				
Arsenic	50			50				
Barium	10000			2000				
Beryllium	250			2000				
Cadmium	250			2000				
Calcium	5000			2000				
Chromium	1000			2000				
Cobalt	2500			2000				
Copper	1250			2000				
Iron	5000			2000				
Lead	2500			2000				
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	4.15	83		
Nickel	2500			2000				
Potassium	5000			5000				
Selenium	50			50				
Silver	500			500				
Sodium	5000			50000				
Thallium	100			100				
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000				

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 1	2	3	Method Blank
Aluminum					
Antimony	<100	<100	<100	<100	<100
Arsenic	<10	<10	<10	<10	<10
Barium					
Beryllium	<10	<10	<10	<10	<10
Cadmium	<10	<10	<10	<10	<10
Calcium					
Chromium	<50	<50	<50	<50	<50
Cobalt					
Copper	<20	<20	<20	<20	<20
Iron					
Lead	<100	<100	<100	<100	<100
Magnesium					
Manganese					
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	<50	<50	<50	<50	<50
Potassium					
Selenium	<2	<2	<2	<2	<2
Silver	<10	<10	<10	<10	<10
Sodium					
Thallium	<3	<3	<3	<3	<3
Tin					
Vanadium					
Zinc	<10	<10	<10	<10	<10

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 4	5	6	Method Blank
Aluminum					
Antimony		<100	<100		
Arsenic		<10			
Barium					
Beryllium		<10	<10		
Cadmium		<10	<10		
Calcium					
Chromium		<50	<50		
Cobalt					
Copper		<20	<20		
Iron					
Lead		<100	<100		
Magnesium					
Manganese					
Mercury		<0.2	<0.2	<0.2	
Nickel		<50	<50		
Potassium					
Selenium		<2			
Silver		<10			
Sodium					
Thallium		<3	<3	<3	
Tin					
Vanadium					
Zinc		<10	<10		

INCHCAPE TESTING SERVICES

3

BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 7	8	9	Method Blank
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury		<0.2	<0.2	<0.2	
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium		<3	<3		
Tin					
Vanadium					
Zinc					

INCHCAPE TESTING SERVICES

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

	True		Initial Found			Final Found		
Analyte	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200000	200000	192699	190487	95	188271	188570	94
Antimony								
Arsenic								
Barium		500						
Beryllium		500		508	102		507	101
Cadmium		1000		1007	101		1001	100
Calcium	200000	200000	196528	195219	98	192048	197144	99
Chromium		500		455	91		450	90
Cobalt		500						
Copper		500		496	99		491	98
Iron	80000	80000	75700	76616	96	75888	74664	93
Lead		1000		1027	103		970	97
Magnesium	200000	200000	195235	197359	99	195501	190510	95
Manganese		500						
Mercury								
Nickel		1000		934	93		919	92
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Tin								
Vanadium		500						
Zinc		1000		950	95		951	95

INCHCAPE TESTING SERVICES

5

SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260035

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	71.44	<4.0	100	71
Arsenic	75-125	3.19	1.67	2	76
Barium				400	
Beryllium	75-125	10.80	<0.40	10	108
Cadmium	75-125	11.24	0.600	10	106
Calcium					
Chromium	75-125	42.24	4.64	40	94
Cobalt				100	
Copper	75-125	63.68	12.88	50	102
Iron					
Lead	75-125	130.4	33.56	100	97
Magnesium					
Manganese					
Mercury	75-125	4.05	<0.02	5	81
Nickel	75-125	115.9	13.76	100	102
Selenium	75-125	1.72	0.08	2	82
Silver	75-125	9.6	<0.4	10	96
Sodium					
Thallium	75-125	50.0	0.372	50	99
Tin				400	
Vanadium				100	
Zinc	75-125	188.3	96.16	100	92

COMMENTS:

INCHCAPE TESTING SERVICES

5A

SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260036

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum				400	
Antimony	75-125	98.0	<4.0	100	98
Arsenic	75-125	2.73	1.67	2	53
Barium				400	
Beryllium	75-125	11.40	<0.40	10	114
Cadmium	75-125	11.84	0.600	10	112
Calcium				200	
Chromium	75-125	45.12	4.64	40	101
Cobalt				100	
Copper	75-125	67.0	12.88	50	108
Iron				100	
Lead	75-125	139.0	33.56	100	105
Magnesium				200	
Manganese				100	
Mercury	75-125	4.35	<0.02	5	87
Nickel	75-125	122.7	13.76	100	109
Potassium				200	
Selenium	75-125	2.04	0.080	2	98
Silver	75-125	10.2	<0.4	10	102
Sodium				200	
Thallium	75-125	50.5	0.372	50	100
Tin				400	
Vanadium				100	
Zinc	75-125	191.2	96.16	100	95

COMMENTS:

INCHCAPE TESTING SERVICES

5

SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260051

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	49.72	<4.0	100	50
Arsenic	75-125	3.95	2.01	2	97
Barium				400	
Beryllium	75-125	10.40	<0.40	10	104
Cadmium	75-125	11.32	1.36	10	100
Calcium					
Chromium	75-125	48.00	7.24	40	102
Cobalt				100	
Copper	75-125	83.64	27.24	50	113
Iron					
Lead	75-125	130.8	26.68	100	104
Magnesium					
Manganese					
Mercury	75-125	5.15	0.059	5	102
Nickel	75-125	104.2	4.28	100	100
Selenium	75-125	1.84	0.160	2	84
Silver	75-125	9.8	<0.4	10	98
Sodium					
Thallium	75-125	44.0	0.172	50	88
Tin				400	
Vanadium				100	
Zinc	75-125	395.0	254.0	100	141

COMMENTS:

0000787

INCHCAPE TESTING SERVICES

5A

SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260052

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum				400	
Antimony	75-125	47.96	<4.0	100	48
Arsenic	75-125	4.09	2.01	2	104
Barium				400	
Beryllium	75-125	9.84	<0.40	10	98
Cadmium	75-125	10.52	1.36	10	92
Calcium				200	
Chromium	75-125	44.88	7.24	40	94
Cobalt				100	
Copper	75-125	72.60	27.24	50	91
Iron				100	
Lead	75-125	116.7	26.68	100	90
Magnesium				200	
Manganese				100	
Mercury	75-125	5.15	0.059	5	102
Nickel	75-125	97.60	4.28	100	93
Potassium				200	
Selenium	75-125	1.72	0.160	2	78
Silver	75-125	9.6	<0.4	10	96
Sodium				200	
Thallium	75-125	34.4	0.172	50	69
Tin				400	
Vanadium				100	
Zinc	75-125	340.7	254.0	100	87

COMMENTS:

INCHCAPE TESTING SERVICES
5B
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260034

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum				400	
Antimony	75-125	114.8	<4.0	100	115
Arsenic	75-125	3.93	1.67	2	113
Barium				400	
Beryllium				10	
Cadmium				10	
Calcium				200	
Chromium				40	
Cobalt				100	
Copper				50	
Iron				200	
Lead				100	
Magnesium					
Manganese				100	
Mercury				5	
Nickel				100	
Potassium				200	
Selenium				400	
Silver				10	
Sodium				200	
Thallium				400	
Tin				400	
Vanadium				100	
Zinc				100	

COMMENTS:

INCHCAPE TESTING SERVICES
5B
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260050

Concentration Units: mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum				400	
Antimony	75-125	104.8	<4.0	100	105
Arsenic				2	
Barium				400	
Beryllium				10	
Cadmium				10	
Calcium				200	
Chromium				40	
Cobalt				100	
Copper				50	
Iron				200	
Lead				100	
Magnesium					
Manganese				100	
Mercury				5	
Nickel				100	
Potassium				200	
Selenium				400	
Silver				10	
Sodium				200	
Thallium	75-125	102	0.172	100	102
Tin				400	
Vanadium				100	
Zinc	75-125	356.6	254.0	100	103

COMMENTS:

0000790

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260034

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Aluminum				
Antimony	<20%	<4.0	<4.0	0
Arsenic	<20%	1.67	1.78	6
Barium				
Beryllium	<20%	<0.4	<0.4	0
Cadmium	<20%	0.600	0.560	7
Calcium				
Chromium	<20%	4.64	4.04	14
Cobalt				
Copper	<20%	12.88	12.44	4
Iron				
Lead	<20%	33.56	33.12	1
Magnesium				
Manganese				
Mercury	<20%	<0.2	<0.2	0
Nickel	<20%	13.76	13.52	
Potassium				
Selenium	<20%	0.080	0.160	N/A
Silver	<20%	<0.4	<0.4	0
Sodium				
Thallium	<20%	0.372	0.396	6
Tin				
Vanadium				
Zinc	<20%	96.16	94.88	1

COMMENTS: Selenium concentrations are <5x detection limit, so test does not apply.

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260050

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Aluminum				
Antimony	<20%	<4.0	<4.0	0
Arsenic	<20%	2.01	2.35	16
Barium				
Beryllium	<20%	<0.4	<0.4	0
Cadmium	<20%	1.36	1.48	8
Calcium				
Chromium	<20%	7.24	6.92	5
Cobalt				
Copper	<20%	27.24	29.72	9
Iron				
Lead	<20%	26.68	25.16	6
Magnesium				
Manganese				
Mercury	<20%	0.059	0.062	5
Nickel	<20%	4.28	5.08	17
Potassium				
Selenium	<20%	0.160	0.200	N/A
Silver	<20%	<0.4	<0.4	0
Sodium				
Thallium	<20%	0.172	0.252	N/A
Tin				
Vanadium				
Zinc	<20%	254.0	270.3	6

COMMENTS: Se and Tl concentrations are <5x detection limit, so test does not apply.

INCHCAPE TESTING SERVICES

7

LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Aqueous (ug/L) True	Found	%R
Aluminum	10000		
Antimony	2500	2644	106
Arsenic	50	45	90
Barium	1000		
Beryllium	250	240	96
Cadmium	250	239	96
Calcium	5000		
Chromium	1000	910	91
Cobalt	2500		
Copper	1250	1221	98
Iron	5000		
Lead	2500	2464	99
Magnesium	5000		
Manganese	2500		
Mercury	5	4.55	91
Nickel	2500	2353	94
Potassium	5000		
Selenium	50	46	92
Silver	250	240	96
Sodium	5000		
Thallium	50	49	98
Tin	10000		
Vanadium	2500		
Zinc	2500	2405	96

INCHCAPE TESTING SERVICES
9
ICP SERIAL DILUTIONS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260050

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference
Aluminum			
Antimony	<4.0	<20	N/A
Arsenic			
Barium			
Beryllium	<0.4	<2.0	N/A
Cadmium	1.36	<2.0	N/A
Calcium			
Chromium	7.24	<10	N/A
Cobalt			
Copper	27.24	30.8	13
Iron			
Lead	26.68	<20	N/A
Magnesium			
Manganese			
Mercury			
Nickel	4.28	<10	N/A
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	254.0	267.2	5

COMMENTS:

INCHCAPE TESTING SERVICES
9
ICP SERIAL DILUTIONS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260034

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference
Aluminum			
Antimony	<4.0	<20	N/A
Arsenic			
Barium			
Beryllium	<0.4	<2.0	N/A
Cadmium	0.600	<2.0	N/A
Calcium			
Chromium	4.64	<10	N/A
Cobalt			
Copper	12.88	12.8	100
Iron			
Lead	33.56	30.4	9
Magnesium			
Manganese			
Mercury			
Nickel	13.76	<10	N/A
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	96.16	97.2	1

COMMENTS:

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Environmental Laboratories

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Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 272.1

PARAMETER: Silver
TEST CODE: AG D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Ag)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.01	08/25/94 09:20	08/29/94	08/29/94 15:35	hbr

0000796

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 206.2

PARAMETER: Arsenic
TEST CODE: AS F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L As)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.01	08/25/94 09:20	08/29/94	08/29/94 13:45	hbr

0000797

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Beryllium
TEST CODE: BE D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Be)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.01	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000738

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Cadmium
TEST CODE: CD D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Cd)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.01	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000799

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Chromium
TEST CODE: CR D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Cr)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.05	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000800

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Copper
TEST CODE: CU D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Cu)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.02	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000801

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 245.1

PARAMETER: Mercury
TEST CODE: HGCV
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Hg)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.0002	08/25/94 09:20	08/29/94	08/30/94 10:45	sod

0000802

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Nickel
TEST CODE: NI D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Ni)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.05	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000803

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Lead
TEST CODE: PB D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Pb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.1	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000804

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:

PARAMETER: Antimony
TEST CODE: SB D
MATRIX : WATER

REPORT DATE: 09/30/94
METHOD : 200.7

ALL UNITS ARE REPORTED IN (mg/L Sb)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.1	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000805

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 270.2

PARAMETER: Selenium
TEST CODE: SE F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Se)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.002	08/25/94 09:20	08/29/94	08/30/94 08:45	hbr

0000806

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Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 279.2

PARAMETER: Thallium
TEST CODE: TL F
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Tl)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.003	08/25/94 09:20	08/29/94	08/30/94 16:00	sod

0000807

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 200.7

PARAMETER: Zinc
TEST CODE: ZN D
MATRIX : WATER

ALL UNITS ARE REPORTED IN (mg/L Zn)

PREP REQUIRED: Y

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	<DL	0.01	08/25/94 09:20	08/29/94	08/31/94 14:30	rak

0000808

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 1	%R(1)	Found 2	%R(1)
Aluminum	10000			2000				
Antimony	2500	2526	101	2000	1886	94	1906	95
Arsenic	50	49	98	50	51	102	49	98
Barium	10000			2000				
Beryllium	250	259	104	2000	1961	98	1988	99
Cadmium	250	254	102	2000	2044	102	2004	100
Calcium	5000			2000				
Chromium	1000	976	98	2000	1804	90	1876	94
Cobalt	2500			2000				
Copper	1250	1225	98	2000	1973	99	1956	98
Iron	5000			2000				
Lead	2500	2517	101	2000	2007	100	2034	102
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5	5.50	110	5	5.00	100	4.90	98
Nickel	2500	2458	98	2000	1934	97	1944	97
Potassium	5000			5000				
Selenium	50	50	100	50	45	90	48	96
Silver	500			500				
Sodium	5000			50000				
Thallium	100	101	101	100	99	99	101	101
Tin	25000							
Vanadium	2500			2000				
Zinc	2500	2590	104	2000	2001	100	1891	95

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 3	%R(1)	Found 4	%R(1)
Aluminum	10000			2000				
Antimony	2500			2000	1960	98		
Arsenic	50			50	48	96	54	108
Barium	10000			2000				
Beryllium	250			2000	1964	98		
Cadmium	250			2000	2002	100		
Calcium	5000			2000				
Chromium	1000			2000	1801	90		
Cobalt	2500			2000				
Copper	1250			2000	1970	99		
Iron	5000			2000				
Lead	2500			2000	2050	103		
Magnesium	5000			2000				
Manganese	2500			2000				
Mercury	5			5	4.80	96		
Nickel	2500			2000	1976	99		
Potassium	5000			5000				
Selenium	50			50				
Silver	500			500				
Sodium	5000			50000				
Thallium	100			100	103	103	103	103
Tin	25000							
Vanadium	2500			2000				
Zinc	2500			2000	1948	97		

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 1	2	3	Method Blank
Aluminum					
Antimony	<100	<100	<100	<100	<100
Arsenic	<10	<10	<10	<10	<10
Barium					
Beryllium	<10	<10	<10	<10	<10
Cadmium	<10	<10	<10	<10	<10
Calcium					
Chromium	<50	<50	<50	<50	<50
Cobalt					
Copper	<20	<20	<20	<20	<20
Iron					
Lead	<100	<100	<100	<100	<100
Magnesium					
Manganese					
Mercury	<0.2	<0.2	<0.2	<0.2	
Nickel	<50	<50	<50	<50	<50
Potassium					
Selenium	<2	<2	<2		<2
Silver					
Sodium					
Thallium	<3	<3	<3	<3	<3
Tin					
Vanadium					
Zinc	<10	<10	<10	<10	<10

INCHCAPE TESTING SERVICES

3

BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L) 4			Method Blank
Aluminum					
Antimony					
Arsenic		<10			
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium		<3			
Tin					
Vanadium					
Zinc					

INCHCAPE TESTING SERVICES

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	200000	200000	192699	190487	95	188271	188570	94
Antimony								
Arsenic								
Barium		500		502	100.4		498	99.6
Beryllium		500		508	102		507	101
Cadmium		1000		1007	101		1001	100.1
Calcium	200000	200000	196528	195219	98	192048	197144	99
Chromium		500		455	91		450	90
Cobalt		500						
Copper		500		496	99		491	98
Iron	80000	80000	75700	76616	96	75888	74664	93
Lead		1000		1027	103		970	97
Magnesium	200000	200000	195235	197359	99	195501	190510	95
Manganese		500						
Mercury								
Nickel		1000		934	93		919	92
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Tin								
Vanadium		500						
Zinc		1000		950	95		951	95

INCHCAPE TESTING SERVICES
5
SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260022

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	2545	<100	2500	102
Arsenic	75-125	112	53	50	118
Barium				10000	
Beryllium	75-125	252	<10	250	101
Cadmium	75-125	233	<10	250	93
Calcium					
Chromium	75-125	966	<50	1000	97
Cobalt				2500	
Copper	75-125	1220	31	1250	95
Iron					
Lead	75-125	2384	<100	2500	95
Magnesium					
Manganese					
Mercury	75-125	4.14	<0.2	5	83
Nickel	75-125	2227	<50	2500	89
Potassium					
Selenium	75-125	38	<2	50	76
Silver				250	
Sodium					
Thallium	75-125	28	<3	50	56
Tin				10000	
Vanadium				2500	
Zinc	75-125	2411	49	2500	95

COMMENTS: See post-digestion spike data (p. 5B) for Tl.

INCHCAPE TESTING SERVICES

5A

SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260023

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony	75-125	2468	<100	2500	99
Arsenic	75-125	107	53	50	108
Barium				10000	
Beryllium	75-125	249	<10	250	99.6
Cadmium	75-125	234	<10	250	94
Calcium					
Chromium	75-125	958	<50	1000	96
Cobalt				2500	
Copper	75-125	1202	31	1250	94
Iron					
Lead	75-125	2391	<100	2500	96
Magnesium					
Manganese					
Mercury	75-125	4.22	<0.2	5	84
Nickel	75-125	2272	<50	2500	91
Potassium					
Selenium	75-125	39	<2.0	50	78
Silver				250	
Sodium					
Thallium	75-125	24	<3	50	48
Tin				10000	
Vanadium				2500	
Zinc	75-125	2370	49	2500	93

COMMENTS: See post-digestion spike data (p. 5B) for Tl.

INCHCAPE TESTING SERVICES
5B
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260021

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Aluminum					
Antimony				2500	
Arsenic	75-125	107	53	50	108
Barium				10000	
Beryllium				250	
Cadmium				250	
Calcium					
Chromium				1000	
Cobalt				2500	
Copper				1250	
Iron					
Lead				2500	
Magnesium					
Manganese					
Mercury				5	
Nickel				2500	
Potassium					
Selenium	75-125	39	<2.0	50	78
Silver				250	
Sodium					
Thallium	75-125	55	<3	100	55
Tin				10000	
Vanadium				2500	
Zinc				2500	

COMMENTS: A physical or chemical interference should be suspected for Tl.

000816

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260021

Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Aluminum				
Antimony	<20%	<100	<100	0
Arsenic	<20%	53	54	2
Barium				
Beryllium	<20%	<10	<10	0
Cadmium	<20%	<10	<10	0
Calcium				
Chromium	<20%	<50	<50	0
Cobalt				
Copper	<20%	31	30	3
Iron				
Lead	<20%	<100	<100	0
Magnesium				
Manganese				
Mercury	<20%	<0.2	<0.2	0
Nickel	<20%	<50	<50	0
Potassium				
Selenium	<20%	<2.0	<2.0	0
Silver				
Sodium				
Thallium	<20%	<3	<3	0
Tin				
Vanadium				
Zinc	<20%	49	91	60

COMMENTS:

INCHCAPE TESTING SERVICES
7
LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Aqueous (ug/L) True	Found	%R
Aluminum	10000		
Antimony	2500	2652	106
Arsenic	50	44	88
Barium	1000		
Beryllium	250	246	98
Cadmium	250	243	97
Calcium	5000		
Chromium	1000	929	93
Cobalt	2500		
Copper	1250	1268	101
Iron	5000		
Lead	2500	2495	100
Magnesium	5000		
Manganese	2500		
Mercury	5	5.00	100
Nickel	2500	2402	96
Potassium	5000		
Selenium	50	44	88
Silver	250		
Sodium	5000		
Thallium	5	5.30	106
Tin	10000		
Vanadium	2500		
Zinc	2500	2567	103

INCHCAPE TESTING SERVICES

9

ICP SERIAL DILUTIONS

Lab Name: INCHCAPE TESTING SERVICES Group No: 9403016

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference
Aluminum			
Antimony	<100	<500	N/A
Arsenic			
Barium			
Beryllium	<10	<50	N/A
Cadmium	<10	<50	N/A
Calcium			
Chromium	<50	<250	N/A
Cobalt			
Copper	31	<100	N/A
Iron			
Lead	<100	<500	N/A
Magnesium			
Manganese			
Mercury			
Nickel	<50	<250	N/A
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Tin			
Vanadium			
Zinc	49	<50	N/A

COMMENTS:

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:00
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.409	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000820

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.882	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000821

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.25	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000822

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.68	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000823

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.230	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000824

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.230	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000825

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: rak

ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30

PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.230	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000826

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	< DL	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000827

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	< DL	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000828

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.107	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000829

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.906	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

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Environmental Laboratories

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	2.94	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000831

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Environmental Laboratories

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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.858	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000832

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(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.00	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000833

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Environmental Laboratories

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(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: rak

ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30

PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.78	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.78	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: rak

ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30

PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	1.78	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	< DL	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000836

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: rak
ANALYSIS DATE: 08/31/94
ANALYSIS TIME: 09:30
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L As)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Arsenic	< DL	5.0	0.2	1	6010
Barium	0.346	100.0	0.1	1	6010
Cadmium	< DL	1.0	0.01	1	6010
Chromium	< DL	5.0	0.05	1	6010
Lead	0.235	5.0	0.1	1	6010
Mercury	< DL	0.2	0.0002	1	7471
Silver	< DL	5.0	0.01	1	7760
Selenium	< DL	1.0	0.2	1	6010

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000837

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				
	True	Found	%R(1)	True	Found 1	%R(1)	Found 2	%R(1)
Arsenic	10000	9902	99	2000	2013	101	1998	100
Barium	10000	10051	101	2000	1944	97	2017	101
Cadmium	250	244	98	2000	1907	95	1979	99
Chromium	1000	990	99	2000	1926	96	1991	100
Lead	2500	2489	100	2000	1960	98	2027	101
Mercury	5	5.10	102	5	5.35	107	5.00	100
Selenium	10000	9982	100	2000	1909	96	1991	100
Silver	500	520	104	500	520	104	520	104

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				
	True	Found	%R(1)	True	Found 3	%R(1)	Found 4	%R(1)
Arsenic	10000			2000	2003	100	1852	93
Barium	10000			2000	2018	101	1952	98
Cadmium	250			2000	1998	100	1902	95
Chromium	1000			2000	1957	98	1942	97
Lead	2500			2000	2081	104	1941	97
Mercury	5			5	4.85	97	5.05	101
Selenium	10000			2000	2010	101	1955	98
Silver	500			500	515	103		

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 5	%R(1)	Found 6	%R(1)
Arsenic	10000			2000				
Barium	10000			2000				
Cadmium	250			2000				
Chromium	1000			2000				
Lead	2500			2000				
Mercury	5			5	5.25	105	4.65	93
Selenium	10000			2000				
Silver	500			500				

Control Limits: Mercury 80-120; Other Metals 90-110

INCHCAPE TESTING SERVICES

3

BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank 1	Continuing Calibration Blank 2	Continuing Calibration Blank 3	Method Blank
Arsenic	<200	<200	<200	<200	<200
Barium	<100	<100	<100	<100	<100
Cadmium	<10	<10	<10	<10	<10
Chromium	<50	<50	<50	<50	<50
Lead	<100	<100	<100	<100	<100
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Selenium	<200	<200	<200	<200	<200
Silver	<10	<10	<10	<10	<10

INCHCAPE TESTING SERVICES
3
BLANKS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank 4	5	6	Method Blank
Arsenic		<200			
Barium		<100			
Cadmium		<10			
Chromium		<50			
Lead		<100			
Mercury		<0.2	<0.2	<0.2	
Selenium		<200			
Silver					

INCHCAPE TESTING SERVICES

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	200000	200000	190065	187805	94	188221	185343	93
Barium		500		509	102		501	100
Beryllium		500						
Cadmium		1000		982	98		953	95
Calcium	200000	200000						
Chromium		500		490	98		474	95
Cobalt		500						
Copper		500						
Iron	80000	80000	76580	75991	95	75985	77373	97
Lead		1000		965	97		968	97
Magnesium	200000	200000	194691	194552	97	193370	191600	96
Manganese		500						
Nickel		1000		991	99		950	95

INCHCAPE TESTING SERVICES

5

SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260035

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	75-125	9981	<200	10000	100
Barium	75-125	10116	230	10000	99
Cadmium	75-125	236	<10	250	94
Chromium	75-125	975	<50	1000	98
Lead	75-125	2364	<100	2500	95
Mercury	75-125	4.50	<0.2	5	90
Selenium	75-125	10090	<200	10000	101
Silver	75-125	245	<10	250	98

COMMENTS:

INCHCAPE TESTING SERVICES

5A

SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260036

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	75-125	10246	<200	10000	103
Barium	75-125	10726	230	10000	105
Cadmium	75-125	244	<10	250	98
Chromium	75-125	1033	<50	1000	103
Lead	75-125	2498	<100	2500	100
Mercury	75-125	4.75	<0.2	5	95
Selenium	75-125	10671	<200	10000	107
Silver	75-125	260	<10	250	104

COMMENTS:

INCHCAPE TESTING SERVICES

5

SPIKE SAMPLE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260051

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	75-125	9945	<200	10000	100
Barium	75-125	12098	1779	10000	103
Cadmium	75-125	252	<10	250	101
Chromium	75-125	1006	<50	1000	101
Lead	75-125	2609	<100	2500	104
Mercury	75-125	4.46	<0.2	5	89
Selenium	75-125	10381	<200	10000	104
Silver	75-125	250	<10	250	100

COMMENTS:

INCHCAPE TESTING SERVICES
5A
SPIKE SAMPLE DUPLICATE RECOVERY

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260052

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Arsenic	75-125	9724	<200	10000	97
Barium	75-125	11662	1779	10000	99
Cadmium	75-125	232	<10	250	93
Chromium	75-125	953	<50	1000	95
Lead	75-125	2469	<100	2500	99
Mercury	75-125	4.25	<0.2	5	85
Selenium	75-125	9944	<200	10000	99
Silver	75-125	250	<10	250	100

COMMENTS:

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408240050

Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Arsenic	<20%	<200	<200	0
Barium	<20%	1779	1741	2
Cadmium	<20%	<10	<10	0
Chromium	<20%	<50	<50	0
Lead	<20%	<100	<100	0
Mercury	<20%	<0.2	<0.2	0
Selenium	<20%	<200	<200	0
Silver	<20%	<10	<10	0

COMMENTS:

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260034

Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Arsenic	<20%	<200	<200	0
Barium	<20%	230	247	7
Cadmium	<20%	<10	<10	0
Chromium	<20%	<50	<50	0
Lead	<20%	<100	<100	0
Mercury	<20%	<0.2	<0.2	0
Selenium	<20%	<200	<200	0
Silver	<20%	<10	<10	0

COMMENTS:

0000849

INCHCAPE TESTING SERVICES
7
LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: ug/L

Analyte	Aqueous (ug/L) True	Found	%R
Arsenic	10000	9902	99
Barium	10000	9846	99
Cadmium	250	232	93
Chromium	1000	971	97
Lead	2500	2427	97
Mercury	5	4.50	90
Selenium	10000	9960	100
Silver	250	252	101

INCHCAPE TESTING SERVICES

9

ICP SERIAL DILUTIONS

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260053

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference
Arsenic	<200	<800	N/A
Barium	346	340	2
Cadmium	<10	<40	N/A
Chromium	<50	<200	N/A
Lead	235	224	5
Mercury			
Selenium	<200	<800	N/A
Silver			

COMMENTS:

0000851

Conventionals

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 1010

PARAMETER: Flashpoint
TEST CODE: FP
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (DEG F)

PREP REQUIRED: N

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260030	SBA-01	>212	50	08/24/94 12:50		08/31/94 10:45	rla
9408260031	SBA-02	>214	50	08/24/94 13:00		08/31/94 10:45	rla
9408260032	SBA-03	>219	50	08/24/94 13:20		08/31/94 10:45	rla
9408260033	SBA-04	>220	50	08/24/94 13:30		08/31/94 10:45	rla
9408260034	SBA-05	>230	50	08/24/94 13:35		08/31/94 10:45	rla
9408260037	SBA-06	>230	50	08/24/94 14:10		08/31/94 10:45	rla
9408260038	SBA-07	>230	50	08/24/94 14:15		08/31/94 10:45	rla
9408260039	SBA-08	>224	50	08/24/94 15:10		08/31/94 10:45	rla
9408260040	SBA-09	>230	50	08/24/94 15:20		08/31/94 10:45	rla
9408260041	SBA-10	>212	50	08/24/94 15:40		08/31/94 10:45	rla
9408260048	SBA-11	>212	50	08/25/94 08:05		08/31/94 10:45	rla
9408260049	SBA-12	>212	50	08/25/94 08:12		08/31/94 10:45	rla

0000852

Inchcape Testing Services
Environmental Laboratories

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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 1010

PARAMETER: Flashpoint
TEST CODE: FP
MATRIX : SOLID

ALL UNITS ARE REPORTED IN (DEG F)

PREP REQUIRED: N

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260050	SBA-13	>212	50	08/25/94 08:17		08/31/94 10:45	rla
9408260053	SBA-14	>212	50	08/25/94 08:50		08/31/94 10:45	rla

0000853

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/30/94
METHOD : 1010

PARAMETER: Flashpoint
TEST CODE: FP
MATRIX : WATER

ALL UNITS ARE REPORTED IN (DEG F)

PREP REQUIRED: N

SAMPLE NUMBER	CLIENT ID	ANALYSIS RESULT	DET LIM	SAMPLE DATE/TIME	PREP DATE	ANALYSIS DATE/TIME	ANALYST INITALS
9408260045	SBA-ER01	>212	50	08/25/94 09:20		08/29/94 11:20	rla

0000854

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260033

Concentration Units: Degrees Fahrenheit

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Ignitability	<20%	>220	>220	0

COMMENTS:

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES

Group No.: 9403016

Lab Id.: 9408260048

Concentration Units: Degrees Fahrenheit

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Ignitability	<20%	>212	>212	0

COMMENTS:

INCHCAPE TESTING SERVICES
6
DUPLICATES

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Lab Id.: 9408260045

Concentration Units: Degrees Fahrenheit

Analyte	Control Limit	Sample (S)	Duplicate (D)	RPD
Ignitability	<20%	>212	>212	0

COMMENTS:

INCHCAPE TESTING SERVICES
7
LABORATORY CONTROL SAMPLE

Lab Name: INCHCAPE TESTING SERVICES Group No.: 9403016

Concentration Units: Degrees Fahrenheit

Analyte	True	Found	%R
Ignitability	81	83	103
Ignitability	81	84	104

Inchcape Testing Services
West-Paine Laboratories
(504) 769-4900 • Fax (504) 767-5717
CHAIN OF CUSTODY RECORD

Lab use only:	Client Name	Client #	Group #	Due Date
	PRC	2291	9403016	9-6-94

Submitted by
Client: PRC
Address: 350 N. ST. PAUL #2600
DALLAS, TX 75201
Contact: JOAN MIDDLETON
Phone: (214) 754-8765
Fax: (214) 922-9715

Bill to
Client: (SAME AS AT LEFT)
Address:
Contact:
Phone:

P. O. Number

Project Name/Number: SBA SHIPYARDS 07OR0602401SA

Sampled By: Paul Ryder

ORIGINAL

Analytical Requests: VOA, ABN, TOTAL METALS, TCLP VOA/ABN/METALS, IGNITABILITY

Lab use only:
LAB M ☑ ☐
Gen Chem ☑ ☐
Metals ☑ ☐
GC/MS VOA ☑ ☐
GC/MS Semi-V ☑ ☐
GC/Semi-V ☐ ☐
GC ☐ ☐
Extractions ☐ ☐
Client Services ☑ ☐
Ship ☐ ☐
Info Request ☐ ☐

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	Remarks:	Lab ID
SL	8/24/94	1250		X	SBA-01		1		30
SL	8/24/94	1300		X	SBA-02		1		31
SL	8/24/94	1320		X	SBA-03		1		32
SL	8/24/94	1330		X	SBA-04		1		33
SL	8/24/94	1355		X	SBA-05		2	05 MS/MSD-36	34
SL	8/24/94	1410		X	SBA-06		1		37
SL	8/24/94	1415		X	SBA-07		1		38
SL	8/24/94	1510		X	SBA-08		1		39
SL	8/24/94	1520		X	SBA-09		1		40
SL	8/24/94	1540		X	SBA-10		1		41
W	8/25/94	1105		X	SBA-TB01	HCl Na2S2O3	2		42
W	8/26/94	0915		X	SBA-FB01	HCl Na2S2O3	2		43

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 12°C

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ☐ Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Nancy Felan	8-25-94	18:40
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: TURNAROUND TIME IS AS PER BID

17 w/mats
4 aL
4 set VOA

By submitting these samples, you agree to the terms and conditions contained in most recent schedule of services.

___ Water
___ Solid
___ Oil
___ Sludge

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

0000859

Inchcape Testing Services
West-Paine Laboratories
(504) 769-4900 • Fax (504) 767-5717

CHAIN OF CUSTODY RECORD

Lab use only:

Client Name	Client #	Group #	Due Date
		9403016	

Submitted by
Client: PRC
Address: 350 N. St. Paul #2600
Dallas TX 75201
Contact: Joan Middleton
Phone: (214) 754-8765
Fax: (214) 922-9715

Bill to
Client: (Same)
Address: (as Left)
Contact:
Phone:

P. O. Number:
Project Name/Number: SBA Shipyards 07ØRØ6Ø24Ø1SA

Sampled By: Paul Dubois [signature]

Analytical Requests

Lab use only:
LAB M ☐ ☐
Gen Chem ☐ ☐
Metals ☐ ☐
GC/MS VOA ☐ ☐
GC/MS Semi-V ☐ ☐
GC/Semi-V ☐ ☐
GC ☐ ☐
Extractions ☐ ☐
Client Services ☐ ☐
Ship ☐ ☐
Info Request ☐ ☐

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	VOA	ABN	TOTAL METALS	TCLP: VOA, ABN, METALS	IGNITABILITY						Remarks: 94	Lab ID 08126
W	8/25/94	0920		X	SBA-ERØ1		2	X	X	X		X							45
W	8/25/94	1108		X	SBA-TBØ2	HCl $Na_2S_2O_3$	2	X				~~X~~							46
S	8/25/94	0805		X	SBA-11		1	X	X	X	X	X							48
S	8/25/94	0812		X	SBA-12		1	X	X	X	X	X							49
S	8/25/94	0817		X	SBA-13		2	X	X	X	X	X						MS/MSD 51 52	50
S	8/25/94	0850		X	SBA-14		1	X	X	X	X	X							53

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 9°C

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ☐ Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Paul Dubois			
Richard Ehrom	Nancy Fabron	8-25-94	18:40

Note:

___ Water
___ Solid
___ Oil
___ Sludge

By submitting these samples, you agree to the terms and conditions contained in the most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

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