ANALYTICAL SERVICES, INC.

US EPA RECORDS CENTER REGION 5
434214

MEMO

TO: Anne Busher, Tetra Tech EM

FROM: Andris Rozite

DATE: 12/13/01

Enclosed are the copies of the two reports you requested for our Order #s' 000900149/240.

Method Blank data was not summarized in a tablular form. It is available in the raw data sections from instrument printouts.

Our invoice is enclosed and references the Charge Account #G9009E0012004 per your instructions.

1701 North Ironwood Drive, Suite B • South Bend, Indiana 46635 • Phone: 219/277-0707 Fax: 219/273-5699

ANALYTICAL SERVICES, INC.

October 5, 2000

Mr. Dave Hendren
Ecology & Environment
33 North Dearborn, Suite 900
Chicago IL 60602

Re: Report of Analysis
S05–0007–808 Final Samples
EIS Orders: 000900149/240

Dear Dave:

Enclosed please find the referenced report. The following narrative applies to this submission.

- The samples reported herein are water samples for the above E & E project, and complete the project as originally bid by EIS. Two reports are enclosed, consisting of two separate shipments and chain–of–custody documents. The shipment received on 9–22–00 was a replacement SVOC for sample DW–EW–3553, originally received broken in the 9–14–00 shipment.

- All analysis was completed within legal holding time. Verbals were faxed to E & E on 9–27–00 and 9–29–00.

- No QC or operational difficulties were experienced except as noted below.

  - Two of the 3 acid fraction surrogates for SVOC were not recovered in your sample DW–EW–3488. The third was recovered within our QC limits. This suggests a matrix problem but insufficient sample was available to attempt re–extraction/reanalysis.

  - Low level phthalates (reported to DW limits) were present in the SVOC Method Blank, as well as in the samples. The following Method Blank values were noted:

Di–n–butylphthalate	0.0012mg/l
Bis(2–ethylhexyl)phthalate	0.0038 mg/l
Butylbenzylphthalate	0.00048 mg/l

Should you have any questions, please feel free to contact me.

Sincerely,

EIS ANALYTICAL SERVICES, INC.

Andris Rozite
President

Enclosure

1701 North Ironwood Drive, Suite B • South Bend, Indiana 46635 • Phone: 219/277-0707 Fax: 219/273-5699

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

R N5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

505-0007-808

PROJ. NO.: KJ5105
PROJECT NAME: 505-0007-014
Activity Code:

SAMPLERS: (Print Name and Sign)
JUSTIN BOWERMAN / Justin Bowerman
JAMES JUSTICE / James Justice

DRINKING WATER STANDARDS
9-149

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte: VOC	SVOC		TAG NUMBERS	
W-EW-3531	9-12	0920		✓	DW-EW-3531	1-1L Amber, 3-40mL VOA	✓	✓		71015	FAX/SEND RESULTS TO:
W-EW-3626	9-12	1450		✓	DW-EW-~~1450~~ 3626	1-1L Amber, 3-40mL VOA	✓	✓		71016	DAVE HENDREN
W-EW-3640	9-12	1505		✓	DW-EW-3640	1-1L Amber, 3-40mL VOA	✓	✓		71017	312-578-9243 (PHONE)
W-EW-3553	9-13	0850		✓	DW-EW-3553	1-1L Amber, 3-40mL VOA	✓	✓		71018	312-578-9345 (FAX)
W-EW-3539		0920		✓	DW-EW-3539	1-1L Amber, 3-40mL VOA	✓	✓		71019	ECOLOGY & ENVIRONMENT, INC.
W-EW-3488		0950		✓	DW-EW-3488	1-1L Amber, 3-40mL VOA	✓	✓		71020	33 NORTH DEARBORN ST.
W-EW-3417		1047		✓	DW-EW-3417	1-1L Amber, 3-40mL VOA	✓	✓		71021	CHICAGO, IL 60602
W-EW-306		1520		✓	DW-EW-306	1-1L Amber, 3-40mL VOA	✓	✓		71022	
W-BLANK		1527		✓	DW-BLANK	3-40mL VOA	✓			71023	ALSO FAX RESULTS TO:
W-BR-950		1615		✓	DW-BR-950	1-1L Amber, 3-40mL VOA	✓	✓		71024	JUSTIN BOWERMAN
W-EW-3468	↓	1700		✓	DW-EW-3468	1-1L Amber, 3-40mL VOA	✓	✓		71025	440-243-6923 (FAX)

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Justin Bowerman	9-13-00 1930	
James Justice	9-13-00 1930	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		Cindi Rozite 9-14-00 A7

Ship To: 219-277-0707
EIS ANALYTICAL
17401 NORTH IRONWOOD DR. SUITE B
SOUTH BEND, INDIANA 46635
ATTN: ANDY ROZITE

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

Printed on Recycled Paper/Printed with Soy Based Ink

EIS SAMPLE RECEIPT LOG

505-0007-808
2009-L021-00

Customer E&E

Date Received 9-14-00 Date Shipment Checked 9-14-00 by [illegible]

1. Was shipment in a Cooler? ---------- (Y) N
2. If in cooler, were custody seals on outside? (Y) N & intact? (Y) N
   Seal Description 36157, 36158
3. If in cooler, was ice used (Y) N & still present? ---------- (Y) N
4. If in cooler, temp via cooler air COLD or
   temp via H_2O temp bottle _____
5. Were Custody papers present? ---------- (Y) N
6. Did # of bottles agree with Custody papers? ---------- (Y) N
7. Were Custody papers properly filled out? ---------- (Y) N
8. Were tests clearly specified? ---------- (Y) N
9. Were bottles labeled? ---------- (Y) N
10. Were bottles unbroken with lids intact? ---------- Y (N) *
11. Were correct bottles present for analysis requested? ---------- (Y) N
12. Was sufficient sample volume present for tests? ---------- (Y) N
13. Did labels or Custody document indicate preservative used? ---------- (Y) N
14. If VOC required, were air bubbles present? ---------- Y (N)
    Affected Sample(s) _____

CORRECTIVE ACTION (Describe in case shipment unsatisfactory)

* DW-EW-3553 SVOA Broken in shipment

REPORT OF ANALYSIS

Mr David Hendren
Ecology & Environment, Inc.
33 North Dearborn, Suite 900
Chicago, IL 60602
Tel No: 312-578-9243
Fax No: 312-578-9345
PO No:
Project Name: SO5-0007-808

Report Date:	10/4/00
EIS Order No:	**000900149**
EIS Sample No:	071015
EIS Project No:	2009-1021-00
Client Sample ID:	**DW-EW-3531**
Date Collected:	9/12/00
Date Received:	9/14/00
Collected By:	Bowerman / Justice

This report presents results of analysis for your sample(s) received under our Order No above. This Number is to be used in all inquiries concerning this report. The EIS Sample No above, as well as your Sample ID, refer to the first sample in a multi-sample submission

DEFINITIONS:

MDL = Method Detection Limit normally achieved in the absence of interferences or other matrix difficulties.
SDL = Sample Detection Limit achieved in your sample. If numerically greater than the MDL, dilutions were required in order to perform the analysis. If numerically less than the MDL, alternate techniques were employed.
nd = Not Detected at the SDL value. If present, result is less than this value.
< = Not Detected at the numerical value shown. If present, result is less than this value.

CHAIN-OF-CUSTODY is enclosed if received with your sample submission.

DRINKING WATER CERTIFICATIONS: Chemistry = C-71-02 Bacteriology = 52715

QUALITY ASSURANCE OFFICER

LABORATORY DIRECTOR

The data in this report has been reviewed and complies with EIS Quality Control unless specifically addressed above.

EIS Analytical Services Inc 1701 N. Ironwood Drive, Suite B * South Bend, IN 46635 * Tel: 219-277-0707 * Fax: 219-273-5699

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3531
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071015
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00024	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0025	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3531
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071015
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3531
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071015
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3531
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071015
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3626
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071016
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00026	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0020	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3626
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071016
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3626
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071016
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3626
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071016
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3640
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071017
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00024	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0020	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3640
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071017
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3640
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071017
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3640
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/12/00

Report Date: 10/4/00
EIS Sample No: 071017
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3553
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071018
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3553
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071018
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3539
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071019
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00024	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0014	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3539
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071019
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3539
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071019
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3539
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071019
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3488
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071020
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00026	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0021	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3488
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071020
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3488
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071020
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/18/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/18/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3488
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071020
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/18/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/18/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/18/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/18/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/18/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3417
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071021
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	0.00033	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00026	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0016	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3417
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071021
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3417
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071021
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/19/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3417
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071021
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-306
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071022
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00026	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0015	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-306
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071022
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-306
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071022
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/19/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-306
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071022
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BLANK
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071023
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/19/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BLANK
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071023
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BR-950
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071024
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS .							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0016	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BR-950
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071024
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BR-950
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071024
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/19/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-BR-950
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071024
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3468
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071025
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/20/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bis(2-ethylhexyl)phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Butyl benzyl phthalate	0.00020	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-butylphthalate	0.0017	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3468
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071025
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/20/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/20/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/20/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3468
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071025
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Acrolein	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Acrylonitrile	nd	mg/L	0.02	0.02	WilliamsJ	9/19/00	8260 B
Benzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Bromobenzene	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromodichloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Bromoform	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Bromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (normal)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (sec)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Butylbenzene (tert)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon disulfide	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Carbon Tetrachloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chlorobenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Chloroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloroform	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorohexane (1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Chloromethane	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Chlorotoluene (2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Chlorotoluene (4)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Cyclohexanone	nd	mg/L	0.1	0.1	WilliamsJ	9/19/00	8260 B
Dibromo-3-chloropropane (1,2)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dibromochloromethane	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromoethane (1,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dibromomethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloro-2-butene (1,4)	nd	mg/L	0.03	0.03	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichlorobenzene (1,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorodifluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,1)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Dichloroethane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (c-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloroethene (t-1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichlorofluoromethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Dichloropropane (1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropane (2,2)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3468
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/13/00

Report Date: 10/4/00
EIS Sample No: 071025
EIS Order No: 000900149
Date Received: 9/14/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropene (1,1)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (c-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Dichloropropene (t-1,3)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Diethyl ether	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Ethyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Ethylbenzene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Heptane (normal)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Hexachlorobutadiene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Hexanone (2-)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Iodomethane	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Isopropylbenzene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Isopropyltoluene (para)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methyl Ethyl Ketone (MEK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Methyl methacrylate	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Methylbutylether (tert) (MTBE)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Methylene chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Naphthalene	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Propylbenzene (normal)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Styrene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,1,2)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Tetrachloroethane (1,1,2,2)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Tetrachloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Tetrahydrofuran	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Toluene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,3)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Trichlorobenzene (1,2,4)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,1)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethane (1,1,2)	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichloroethene	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Trichlorofluoromethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trichloropropane (1,2,3)	nd	mg/L	0.005	0.005	WilliamsJ	9/19/00	8260 B
Trichlorotrifluoroethane	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,2,4)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Trimethylbenzene (1,3,5)	nd	mg/L	0.002	0.002	WilliamsJ	9/19/00	8260 B
Vinyl acetate	nd	mg/L	0.01	0.01	WilliamsJ	9/19/00	8260 B
Vinyl Chloride	nd	mg/L	0.0005	0.0005	WilliamsJ	9/19/00	8260 B
Xylene (ortho)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B
Xylenes (meta + para)	nd	mg/L	0.001	0.001	WilliamsJ	9/19/00	8260 B

ANALYSIS SUPPORT INFORMATION

CLIENT NAME: Ecology & Environment, Inc.

Report Date: 10/4/00
EIS Order No: 000900149

EIS Lab Number	Client Description	Sample Date	Procedure	Result	Date Completed	Analyst	Method
071015	DW-EW-3531	9/12/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071016	DW-EW-3626	9/12/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071017	DW-EW-3640	9/12/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071019	DW-EW-3539	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071020	DW-EW-3488	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071021	DW-EW-3417	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071022	DW-EW-306	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071024	DW-BR-950	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C
071025	DW-EW-3468	9/13/00	Extract SVOC	Complete	9/18/00	CarlsenS	8270 C

QUALITY ASSURANCE / QUALITY CONTROL DATA

Method Specific Surrogate Compound Recoveries

EIS Order ID: 000900149

QUALITY CONTROL LIMITS

Normal Test	Surrogate	Methods Water	Methods Soil	QC Limits Water	QC Limits Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 515.1	8151A	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 135	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 135	40 - 150
SOC (svoc)	Perylene, d12	525.2		70 - 130	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 70	34 - 66
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	76 - 114	70 - 121
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	86 - 115	74 - 121
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	86 - 115	74 - 121

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
071015	DW-EW-3531	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	97
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	96
		8260 B	Water (DW)	Toluene-d8 (SS)	100
071015	DW-EW-3531	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	88
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	88
		8270 C	Water (DW)	2-Fluorophenol (SS)	48
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	75
		8270 C	Water (DW)	Phenol-d5 (SS)	29
		8270 C	Water (DW)	Terphenyl-d14 (SS)	108
071016	DW-EW-3626	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	91
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	94
		8260 B	Water (DW)	Toluene-d8 (SS)	95
071016	DW-EW-3626	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	86
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	102
		8270 C	Water (DW)	2-Fluorophenol (SS)	64
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	79
		8270 C	Water (DW)	Phenol-d5 (SS)	38
		8270 C	Water (DW)	Terphenyl-d14 (SS)	121
071017	DW-EW-3640	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	93
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	100
		8260 B	Water (DW)	Toluene-d8 (SS)	96
071017	DW-EW-3640	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	103
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	97
		8270 C	Water (DW)	2-Fluorophenol (SS)	37
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	73
		8270 C	Water (DW)	Phenol-d5 (SS)	19
		8270 C	Water (DW)	Terphenyl-d14 (SS)	110

Legend: -1 = Surrogates diluted out -2 = Surrogates not used ( ) = methods with different QC Limits

QUALITY ASSURANCE / QUALITY CONTROL DATA

Method Specific Surrogate Compound Recoveries

EIS Order ID: 000900149

QUALITY CONTROL LIMITS

Normal Test	Surrogate	Methods Water	Methods Soil	QC Limits Water	QC Limits Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 515.1	8151A	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 135	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 135	40 - 150
SOC (svoc)	Perylene, d12	525.2		70 - 130	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 70	34 - 66
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	76 - 114	70 - 121
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	86 - 115	74 - 121
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	86 - 115	74 - 121

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
071018	DW-EW-3553	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	95
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	94
		8260 B	Water (DW)	Toluene-d8 (SS)	96
071019	DW-EW-3539	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	94
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	97
		8260 B	Water (DW)	Toluene-d8 (SS)	95
071019	DW-EW-3539	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	112
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	101
		8270 C	Water (DW)	2-Fluorophenol (SS)	49
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	82
		8270 C	Water (DW)	Phenol-d5 (SS)	29
		8270 C	Water (DW)	Terphenyl-d14 (SS)	121
071020	DW-EW-3488	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	93
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	95
		8260 B	Water (DW)	Toluene-d8 (SS)	102
071020	DW-EW-3488	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	53
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	93
		8270 C	Water (DW)	2-Fluorophenol (SS)	0
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	78
		8270 C	Water (DW)	Phenol-d5 (SS)	0
		8270 C	Water (DW)	Terphenyl-d14 (SS)	113
071021	DW-EW-3417	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	94
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	99
		8260 B	Water (DW)	Toluene-d8 (SS)	104
071021	DW-EW-3417	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	113
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	100

Legend: -1 = Surrogates diluted out -2 = Surrogates not used ( ) = methods with different QC Limits

QUALITY ASSURANCE / QUALITY CONTROL DATA

Method Specific Surrogate Compound Recoveries

EIS Order ID: 000900149

QUALITY CONTROL LIMITS

Normal Test	Surrogate	Methods Water	Methods Soil	QC Limits Water	QC Limits Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 515.1	8151A	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 135	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 135	40 - 150
SOC (svoc)	Perylene, d12	525.2		70 - 130	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 70	34 - 66
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	76 - 114	70 - 121
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	86 - 115	74 - 121
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	86 - 115	74 - 121

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
071021	DW-EW-3417	8270 C	Water (DW)	2-Fluorophenol (SS)	57
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	80
		8270 C	Water (DW)	Phenol-d5 (SS)	37
		8270 C	Water (DW)	Terphenyl-d14 (SS)	123
071022	DW-EW-306	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	98
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	100
		8260 B	Water (DW)	Toluene-d8 (SS)	106
071022	DW-EW-306	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	72
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	93
		8270 C	Water (DW)	2-Fluorophenol (SS)	43
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	77
		8270 C	Water (DW)	Phenol-d5 (SS)	24
		8270 C	Water (DW)	Terphenyl-d14 (SS)	103
071023	DW-BLANK	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	92
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	102
		8260 B	Water (DW)	Toluene-d8 (SS)	100
071024	DW-BR-950	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	91
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	91
		8260 B	Water (DW)	Toluene-d8 (SS)	100
071024	DW-BR-950	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	82
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	99
		8270 C	Water (DW)	2-Fluorophenol (SS)	51
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	80
		8270 C	Water (DW)	Phenol-d5 (SS)	30
		8270 C	Water (DW)	Terphenyl-d14 (SS)	80
071025	DW-EW-3468	8260 B	Water (DW)	1,2-Dichloroethane-d4 (SS)	100
		8260 B	Water (DW)	4-Bromofluorobenzene (SS)	102

Legend: -1 = Surrogates diluted out -2 = Surrogates not used ( ) = methods with different QC Limits

QUALITY ASSURANCE / QUALITY CONTROL DATA

Method Specific Surrogate Compound Recoveries

EIS Order ID: 000900149

QUALITY CONTROL LIMITS

Normal Test	Surrogate	Methods Water	Methods Soil	QC Limits Water	QC Limits Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 515.1	8151A	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 135	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 135	40 - 150
SOC (svoc)	Perylene, d12	525.2		70 - 130	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 70	34 - 66
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	76 - 114	70 - 121
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	86 - 115	74 - 121
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	86 - 115	74 - 121

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
071025	DW-EW-3468	8260 B	Water (DW)	Toluene-d8 (SS)	105
071025	DW-EW-3468	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	99
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	99
		8270 C	Water (DW)	2-Fluorophenol (SS)	44
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	79
		8270 C	Water (DW)	Phenol-d5 (SS)	25
		8270 C	Water (DW)	Terphenyl-d14 (SS)	112

Legend: -1 = Surrogates diluted out -2 = Surrogates not used ( ) = methods with different QC Limits

QUALITY CONTROL DATA

MATRIX SPIKE / DUPLICATE MATRIX SPIKE (MS/DMS)

Applicable EIS Order: 000900149 **Matrix:** Water (DW)

QC Sample Number: 071015

Parameter	Back-ground	Spike Amount	Matrix Spike		Duplicate Spike		RPD	Quality Control Limits				QC Batch
								RPD		% R		
			Result	% R	Result	% R		LCL	UCL	LCL	UCL	
Benzene	nd	0.0029	0.0024	83	0.0025	86	4	0	11	76	127	QB00002
Chlorobenzene	nd	0.003	0.0026	87	0.0025	83	4	0	13	75	130	QB00002
Dichloroethene (1,1)	nd	0.0032	0.0029	91	0.0028	88	4	0	14	61	145	QB00002
Toluene	nd	0.0026	0.0022	85	0.0022	85	0	0	13	76	125	QB00002
Trichloroethene	nd	0.0027	0.0024	89	0.0023	85	4	0	14	71	120	QB00002

LEGEND:

1. Background = Sample Result
2. Spike amount may be adjusted for dilution used in sample analysis
3. % R = Percent Recovery of Spike
4. RPD = Relative Percent Difference of the spike recoveries
5. LCL = Lower Control Limit
6. UCL = Upper Control Limit
7. Units are normally those shown in the Analysis Report and are always the same for the Background and Spike

QUALITY CONTROL DATA

LABORATORY FORTIFIED METHOD BLANK (LFB)

NOTE: The LFB may or may not be analyzed in Duplicate and will consist of at least those parameters used in the MS/DMS.

Parameter	Spike Amount	Matrix Spike		Duplicate Spike		RPD	Quality Control Limits				QC Batch
							RPD		% R		
		Result	% R	Result	% R		LCL	UCL	LCL	UCL	
Acenaphthene	0.0035	0.00215	61						46	118	QB00001
Chloro-3-methylphenol (4)	0.0075	0.00345	46						23	97	QB00001
Chlorophenol (2)	0.00725	0.00372	51						27	123	QB00001
Dichlorobenzene (1,4)	0.005	0.00227	45						36	97	QB00001
Dinitrotoluene (2,4)	0.0035	0.00166	47						24	96	QB00001
Nitrophenol (4)	0.0073	0.00196	27						10	80	QB00001
Nitroso-di-n-propylamine (normal)	0.0038	0.00208	55						41	116	QB00001
Pentachlorophenol	0.0073	0.00460	63						9	103	QB00001
Phenol	0.0085	0.00135	16						12	110	QB00001
Pyrene	0.005	0.00211	42						26	127	QB00001
Trichlorobenzene (1,2,4)	0.0038	0.00228	60						39	98	QB00001

LEGEND:

1. % R = Percent Recovery of Spike
2. RPD = Relative Percent Difference of the spike recoveries
3. LCL = Lower Control Limit
4. UCL = Upper Control Limit
5. Units are normally those shown in the Analysis Report and are always the same for the Spike and Duplicate Spike

EIS ANALYTICAL SERVICES INC

ANALYSIS SUPPORT DOCUMENTATION
LABORATORY ORDER NO. 000900149

TEST: VOC

METHOD: 8260 B

INITIAL CALIBRATION DATA
VOLATILE HSL COMPOUNDS

INSTRUMENT: Finnigan ITD — CALIBRATION DATE: 6/28/00
LABORATORY NAME: EIS Analytical Services, Inc. — CALIBRATION FILE: VOCOL

COMPOUND NAME	RF(1)	RF(5)	RF(10)	RF(25)	RF(50)	RF(100)	AVG	%RSD	*CCC **SPCC
Acetone	0.0893	0.0960	0.0970	0.1059	0.1148	0.1085	0.102	9.2	
Acrolein	0.0315	0.0297	0.0334	0.0422	0.0411	0.0456	0.037	17.6	
Acrylonitrile	0.0905	0.0980	0.1183	0.1429	0.1458	0.1578	0.126	21.9	
Benzene	1.5456	1.3478	1.7549	2.4233	2.0163	1.7445	1.805	20.9	
Bromobenzene	0.9283	0.8279	1.0363	1.2446	1.2456	1.2083	1.082	16.5	
Bromochloromethane	0.2904	0.3184	0.3765	0.4488	0.4091	0.3904	0.372	15.7	
Bromodichloromethane	0.8278	0.6425	0.7369	1.0859	1.1048	1.2999	0.950	26.6	
Bromoform	0.2838	0.2970	0.2869	0.3465	0.4348	0.4204	0.345	19.7	** 0.10
Bromomethane	0.4694	0.3849	0.3771	0.3914	0.5129	0.5646	0.450	17.3	
n-Butyl Benzene	2.7229	2.9607	3.6074	3.7238	3.5711	3.2626	3.308	12.1	
sec-Butyl Benzene	3.5538	3.8998	4.0979	4.2464	4.4235	4.4671	4.115	8.4	
tert-Butyl Benzene	3.8644	3.5336	4.1243	4.5712	3.8158	3.4094	3.886	10.8	
Carbon Disulfide	1.7766	1.6225	1.7448	1.9206	1.9240	1.8169	1.801	6.3	
Carbon Tetrachloride	0.6555	0.4879	0.5331	0.8556	0.9158	0.8344	0.714	25.3	
Chlorobenzene	0.9368	1.0010	1.3844	1.3848	1.4316	1.3413	1.247	17.5	** 0.30
Chlorodibromomethane	0.6333	0.6277	0.6104	0.8911	0.8925	0.9757	0.772	21.4	
Chloroethane	0.1845	0.1509	0.1788	0.2015	0.2287	0.2201	0.194	14.8	
2-Chloroethylvinyl Ether	0.1544	0.1764	0.1934	0.2151	0.2337	0.2271	0.200	15.5	
Chloroform	2.0627	1.8660	1.7932	2.1472	2.2156	2.4874	2.095	12.0	*
1-Chlorohexane	0.5938	0.6432	0.6895	0.8170	0.9148	0.9576	0.769	19.5	
Chloromethane	0.8005	0.7048	0.8711	0.8891	0.9459	0.8907	0.850	10.0	** 0.10
2-Chlorotoluene	0.8605	1.0216	1.0854	1.5472	1.3323	1.1476	1.166	20.8	
4-Chlorotoluene	3.2267	3.7758	4.3126	4.3697	4.5740	3.8940	4.025	12.3	
Cyclohexanone	0.0161	0.0159	0.0155	0.0178	0.0175	0.0175	0.017	5.9	
1,2-Dibromo-3-Chloropropan	0.1355	0.1574	0.1521	0.1781	0.1886	0.1879	0.167	13.0	
1,2-Dibromoethane	0.3273	0.3486	0.3047	0.3898	0.4627	0.4547	0.381	17.4	
Dibromomethane	0.2842	0.3104	0.3333	0.4114	0.4464	0.4426	0.371	19.1	
1,2-Dichlorobenzene	1.4845	1.5115	1.8650	2.0822	2.1006	2.0848	1.855	15.6	
1,3-Dichlorobenzene	1.9834	1.7659	2.1677	2.5921	2.8515	3.0089	2.395	20.8	
1,4-Dichlorobenzene	1.4091	1.6417	2.0674	2.2009	2.3003	2.3464	1.994	19.2	
t-1,4-Dichloro-2-Butene	0.0608	0.0678	0.0801	0.0967	0.1000	0.1043	0.085	21.3	
Dichlorodifluoromethane	0.7809	0.7796	0.9128	1.1713	1.3460	1.2804	1.045	24.2	
1,1-Dichloroethane	0.9106	1.0018	1.0645	1.1816	1.1884	1.2151	1.094	11.1	** 0.10
1,2-Dichloroethane	0.5960	0.6198	0.6716	0.7576	0.8135	0.9162	0.729	16.9	
1,1-Dichloroethene	1.6654	1.5048	1.7355	1.9836	2.1158	2.3161	1.887	16.1	*
c-1,2-Dichloroethene	0.5494	0.6777	0.7224	0.7607	0.7918	0.8385	0.723	14.1	
t-1,2-Dichloroethene	1.3984	1.5891	1.7353	2.3747	1.8373	1.9184	1.809	18.4	
Dichlorofluoromethane	1.2273	1.2717	1.2905	1.2828	1.1969	1.1137	1.230	5.5	
1,2-Dichloropropane	0.2155	0.2413	0.2363	0.3352	0.3133	0.3005	0.274	17.8	*
1,3-Dichloropropane	0.2960	0.3398	0.3532	0.3702	0.3627	0.3266	0.341	8.0	
2,2-Dichloropropane	0.6568	0.6857	0.7725	0.8767	0.8903	0.9907	0.812	15.9	

RF = Response Factor (number is amount in ug/l)
%RSD = Percent Relative Standard Deviation
*CCC = Calibration Check Compound which must have %RSD <30%.
**SPCC = System Performance Check Compound with required minimum average RF shown.

INITIAL CALIBRATION DATA
VOLATILE HSL COMPOUNDS

INSTRUMENT: Finnigan ITD — CALIBRATION DATE: 6/28/00

LABORATORY NAME: EIS Analytical Services, Inc. — CALIBRATION FILE: VOCOL

COMPOUND NAME	RF(1)	RF(5)	RF(10)	RF(25)	RF(50)	RF(100)	AVG	%RSD	*CCC **SPCC
1,1-Dichloropropene	0.3535	0.4125	0.4293	0.4545	0.4613	0.4188	0.422	9.2	
c-1,3-Dichloropropene	0.4782	0.5128	0.5440	0.6433	0.6956	0.6922	0.594	15.9	
t-1,3-Dichloropropene	0.3204	0.3794	0.4111	0.5048	0.5316	0.5261	0.446	19.7	
Diethyl Ether	0.3244	0.3328	0.3284	0.3685	0.3600	0.3373	0.342	5.3	
Ethylbenzene	2.5604	2.6244	2.8575	3.0292	3.9795	3.8514	3.150	19.6	*
Ethyl Methacrylate	0.3374	0.3177	0.3801	0.4647	0.4545	0.4709	0.404	16.8	
n-Heptane	0.4916	0.5019	0.5915	0.7155	0.6715	0.6679	0.607	15.5	
Hexachlorobutadiene	0.6281	0.6505	0.4295	0.4620	0.5217	0.5307	0.537	16.4	
2-Hexanone	0.1741	0.1966	0.2118	0.2233	0.2260	0.1969	0.205	9.6	
Iodomethane	0.5343	0.6672	0.8462	1.0964	1.2414	1.2795	0.944	32.8	
Isopropyl Benzene	1.7681	1.7239	2.3197	2.3764	2.2600	2.0103	2.076	13.7	
p-Isopropyltoluene	4.2632	4.0022	3.7029	4.1496	4.2289	4.5814	4.155	7.0	
Methylene Chloride	2.3535	1.9285	1.8450	2.3190	2.3996	2.2944	2.190	10.9	
Methyl Ethyl Ketone	0.1474	0.1468	0.1517	0.1646	0.1711	0.1614	0.157	6.4	
Methyl Isobutyl Ketone	0.2309	0.2722	0.2872	0.3559	0.3447	0.3489	0.307	16.6	
Methyl Methacrylate	0.2192	0.2259	0.2619	0.3042	0.3062	0.3209	0.273	16.1	
Naphthalene	1.5866	1.3513	1.7182	1.9621	2.0454	1.8114	1.746	14.5	
Nitrobenzene	0.0411	0.0449	0.0412	0.0441	0.0410	0.0378	0.042	6.1	
n-Propyl Benzene	4.2860	4.9274	5.5582	6.1940	5.7051	5.5063	5.363	12.4	
Styrene	0.9157	1.0026	1.0082	1.4167	1.4136	1.2330	1.165	18.9	
tert-Butyl Methyl Ether	0.7166	0.8127	0.8936	1.0754	1.0801	1.2141	0.965	19.5	
1,1,1,2-Tetrachloroethane	0.6285	0.6109	0.6892	0.7873	0.7884	0.8288	0.722	12.7	
1,1,2,2-Tetrachloroethane	0.8201	0.7468	0.8708	1.1480	1.1553	1.2652	1.001	21.4	** 0.30
Tetrachloroethene	0.4578	0.5222	0.5646	0.6026	0.6798	0.6540	0.580	14.3	
Tetrahydrofuran	0.0443	0.0467	0.0493	0.0557	0.0584	0.0533	0.051	10.6	
Toluene	2.0278	1.9238	2.4489	2.9532	3.1840	3.1398	2.613	21.4	*
1,2,3-Trichlorobenzene	0.7585	0.8409	0.7929	0.7419	0.7127	0.8551	0.784	7.2	
1,2,4-Trichlorobenzene	0.9951	1.0588	0.9246	1.0738	1.0624	1.0451	1.027	5.6	
1,1,1-Trichloroethane	1.1498	1.3096	1.3748	1.5115	1.5463	1.6177	1.418	12.2	
1,1,2-Trichloroethane	0.2998	0.3159	0.3281	0.3658	0.4075	0.4673	0.364	17.5	
Trichloroethene	0.4933	0.4007	0.4769	0.6550	0.6433	0.5986	0.545	18.9	
Trichlorofluoromethane	0.9765	0.9673	1.2126	1.4946	1.6654	1.7052	1.337	24.8	
1,2,3-Trichloropropane	0.5904	0.5929	0.6506	0.8236	0.8307	0.8251	0.719	16.7	
1,1,2-Trichlorotrifluoroethane	0.7649	0.7552	0.8729	0.8907	0.9810	1.0790	0.891	14.0	
1,2,4-Trimethylbenzene	4.0647	4.0296	3.9423	4.4547	4.9796	5.5870	4.510	14.5	
1,3,5-Trimethylbenzene	3.4704	3.6907	4.7419	4.5849	4.5377	4.1940	4.203	12.4	
Vinyl Acetate	0.7523	0.7818	0.9442	1.0349	1.0962	1.0803	0.948	15.8	
Vinyl Chloride	0.3160	0.3245	0.2903	0.2928	0.4444	0.5954	0.377	16.9	*
m+p-Xylenes	2.2449	2.5746	2.5825	2.7630	2.4476	2.5454	2.526	6.8	
ortho-Xylene	2.0146	2.0287	2.5399	2.5892	3.2723	3.0534	2.583	20.0	

RF = Response Factor (number is amount in ug/l)

%RSD = Percent Relative Standard Deviation

*CCC = Calibration Check Compound which must have %RSD <30%.

**SPCC = System Performance Check Compound with required minimum average RF shown.

INITIAL CALIBRATION DATA
VOLATILE COMPOUNDS - RETENTION TIMES
EIS Analytical Services, Inc.
INSTRUMENT: Finnigan ITD

IS-PENTAFLUOROBENZENE	11:18	t-1,2-Dichloroethene	8:37
IS-1,4-DIFLUOROBENZENE	13:47	Dichlorofluoromethane	6:20
IS-CHLOROBENZENE,d5	20:45	1,2-Dichloropropane	14:55
IS-1,4-DICHLOROBENZENE,d4	25:50	1,3-Dichloropropane	19:07
SUR-1,2-DICHLOROETHANE,d4	12:53	2,2-Dichloropropane	10:39
SUR-TOLUENE,d8	17:26	1,1-Dichloropropene	12:21
SUR-BROMOFLUOROBENZENE	23:37	c-1,3-Dichloropropene	16:58
Acetone	7:19	t-1,3-Dichloropropene	18:14
Acrolein	7:20	Diethyl Ether	6:57
Acrylonitrile	8:45	Ethylbenzene	21:00
Benzene	13:03	Ethyl Methacrylate	18:16
Bromobenzene	24:02	n-Heptane	12:36
Bromochloromethane	11:36	Hexachlorobutadiene	29:10
Bromoethane	7:51	2-Hexanone	18:48
Bromodichloromethane	15:36	Iodomethane	7:57
Bromoform	23:10	Isopropyl Benzene	23:09
Bromomethane	6:19	p-Isopropyltoluene	25:36
n-Butyl Benzene	26:19	Methylene Chloride	8:12
sec-Butyl Benzene	25:21	Methyl Ethyl Ketone	10:29
tert-Butyl Benzene	24:57	Methyl Isobutyl Ketone	16:30
Carbon Disulfide	8:13	Methyl Methacrylate	15:16
Carbon Tetrachloride	12:34	Naphthalene	29:20
Chlorobenzene	21:04	Nitrobenzene	28:05
Chlorodibromomethane	19:42	n-Propyl Benzene	23:55
Chloroethane	6:21	Styrene	22:28
2-Chloroethylvinyl Ether	16:30	tert-Butyl Methyl Ether	8:18
Chloroform	11:10	1,1,1,2-Tetrachloroethane	21:05
1-Chlorohexane	20:26	1,1,2,2-Tetrachloroethane	23:38
Chloromethane	5:45	Tetrachloroethene	19:05
2-Chlorotoluene	24:09	Tetrahydrofuran	11:39
4-Chlorotoluene	24:23	Toluene	17:37
Cyclohexanone	23:23	1,2,3-Trichlorobenzene	29:42
1,2-Dibromo-3-Chloropropane	27:48	1,2,4-Trichlorobenzene	28:55
1,2-Dibromoethane	20:08	1,1,1-Trichloroethane	12:00
1,2-Dibromoethene	16:54	1,1,2-Trichloroethane	18:34
1,2-Dibromoethene	18:52	Trichloroethene	14:29
Dibromomethane	15:44	Trichlorofluoromethane	6:39
1,2-Dichlorobenzene	26:34	1,2,3-Trichloropropane	23:52
1,3-Dichlorobenzene	25:45	1,1,2-Trichlorotrifluoroethane	7:06
1,4-Dichlorobenzene	25:57	1,2,4-Trimethylbenzene	25:02
t-1,4-Dichloro-2-Butene	24:14	1,3,5-Trimethylbenzene	24:15
Dichlorodifluoromethane	5:30	Vinyl Acetate	9:41
1,1-Dichloroethane	9:30	Vinyl Chloride	5:51
1,2-Dichloroethane	13:07	m+p-Xylenes	21:12
1,1-Dichloroethene	7:26	ortho-Xylene	22:17
c-1,2-Dichloroethene	10:50	Allyl Chloride	7:59

From calibration file VOC2:

IS-1,4-DICHLOROBENZENE,d4	25:54	Limonene	25:26

Sequence 9-18-00

VOC/ITD ANALYSIS SEQUENCE OK 9-22-00 BD

Date 9-18-00 Analyst jw

DATAFILE (EIS#)	PTA-30 POS.#	Dilution/Sample Description/Client	Date Reduced (X)	Archive Tape #
DI0918-1	BFB	5 ml DIW Blank	X	
[redacted]		1	X	
ST0918-1		Detection Limit Daily Ck Std 0.5 ppb	X	
CC0918-1		Daily Ck Std	X	
DI0918-3	BFB	5 ml DIW Blank (1 DI - not cal.)	X	
71015		5 ml Ecology & Envir. DW-EW-3531	X	
71016		DW-EW-3626	X	
71017		DW-EW-3640	X	
71018		DW-EW-3553	X	
71019		DW-EW-3539	X	
71020		DW-EW-3488	X	
[redacted]	1	[redacted] Fountain		X
[redacted]	2	[redacted]	X	
[redacted]	3	[redacted]	X	
[redacted]	4	[redacted] Rush		X
MS71015	5	5 ml Matrix Spike	X	
DS71015	6	Duplicate Matrix Spike		X
FB0918-1	7	Laboratory Fortified Blank	X	
	—			
		Reduced 9-22-00		

9-149

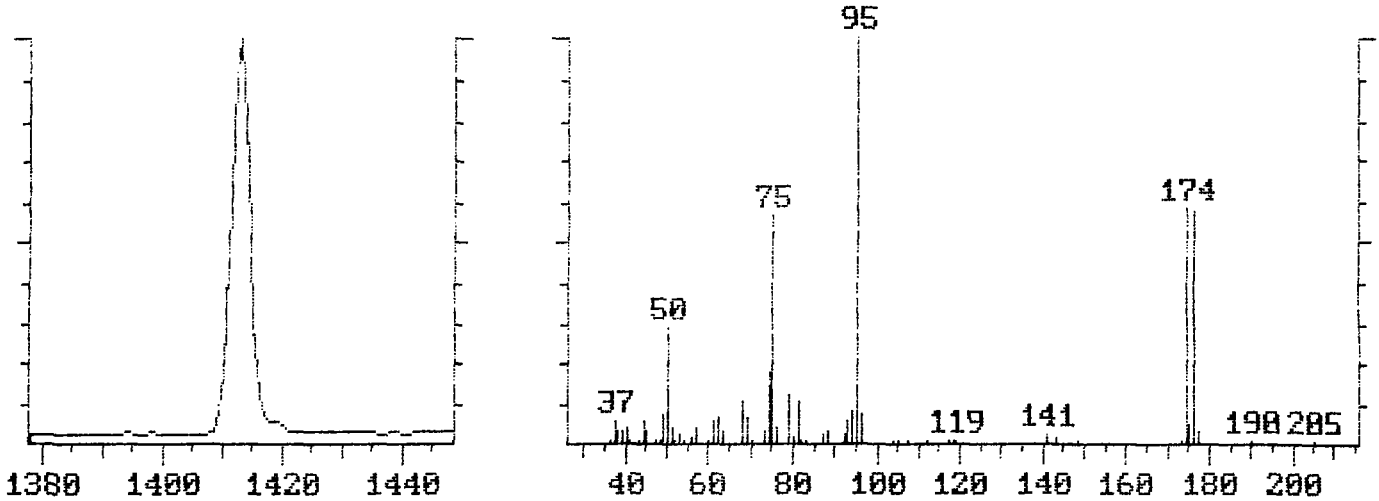
Method Blank Summary Report, ug/l					
Parameter	DI0918-1	DI0918-2			
Acetone	4.1	4.6			
Methylene Chloride	<0.5	<0.5			
Acrolein	8.6	—			
Chloromethane	1.2	<1			
MEK	6.0	—			

INTERNAL STANDARD
AREA AND RETENTION TIME SUMMARY
9-18-00

DATE	FILE NAME	IS#1 AREA	IS#2 AREA	IS#3 AREA	IS#4 AREA	IS#1 RT	IS#2 RT	IS#3 RT	IS#4 RT
6/28/00	Initial Calib.	89488	146483	109977	41996	11:18	13:47	20:45	25:50
Lower Limit:		44744	73242	54989	20998	10:48	13:17	20:15	25:20
Upper Limit:		178976	292966	219954	83992	11:48	14:47	21:15	26:20
9/18/00	DI0918-1	105146	189644	154554	55097	11:04	13:34	20:49	25:47
9/18/00	[redacted]	97497	152449	128571	45013	11:02	13:32	20:49	25:45
9/18/00	ST0918-1	91807	164281	113977	42404	11:00	13:30	20:47	25:44
9/18/00	CC0918-1	96599	163334	124441	45963	11:01	13:31	20:49	25:44
9/18/00	DI0918-3	90646	147038	114390	37048	11:03	13:33	20:49	25:45
9/18/00	71015	89410	151398	111133	38401	11:02	13:33	20:49	25:45
9/18/00	71016	92955	153788	120961	37153	11:02	13:32	20:49	25:44
9/18/00	71017	90863	148714	111592	40829	11:02	13:32	20:50	25:45
9/18/00	71018	89235	149961	116388	41283	11:03	13:33	20:49	25:44
9/18/00	71019	89905	152207	109637	39528	11:03	13:33	20:50	25:45
9/18/00	71020	88857	144479	111157	39091	11:02	13:32	20:49	25:45
9/18/00	MS71015	87805	146453	109798	43836	11:02	13:32	20:49	25:48
9/18/00	DS71015	89719	143647	123721	38005	11:02	13:32	20:47	25:46
9/18/00	FB0918-1	92182	148735	111363	48925	11:01	13:32	20:48	25:46

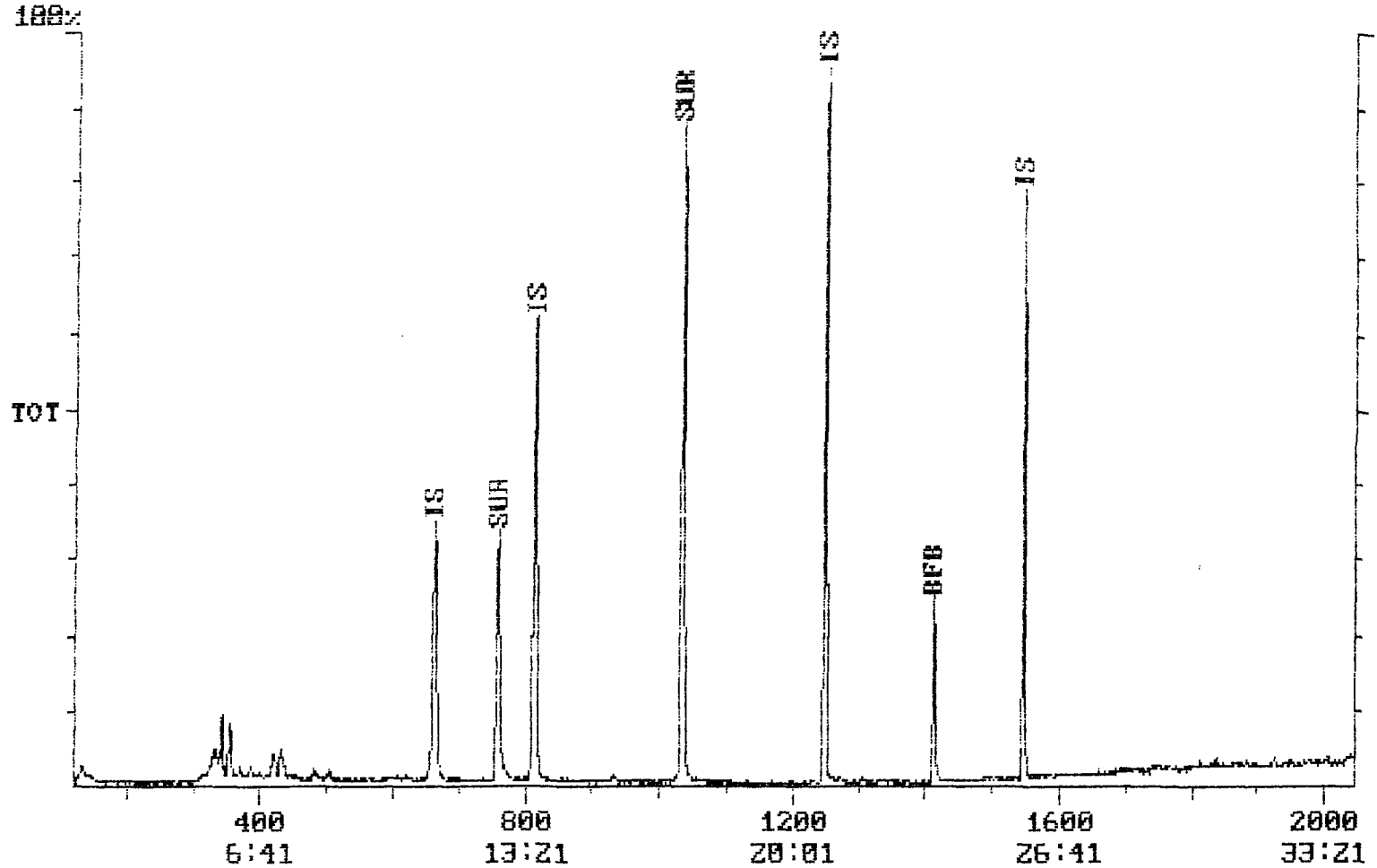
FILE: DI0918-1 DFB TUNING REPORT Date: Sep-18-2000 07:40:05

Scan numbers: 1412 to 1414 AVERAGED SPECTRA Mass Range:36 - 205



MASS (m/z)	INTENSITY	REQUIRED RELATIVE ABUNDANCE (%)	REL.ABUNDANCE TO APPROPRIATE PEAK	STATUS
50	2185	15 to 40% of mass 95	28.27	OK
75	4360	30 to 60% of mass 95	56.40	OK
95	7730	base peak, 100% relative abundance	100.00	OK
96	549	5 to 9% of mass 95	7.10	OK
173	29	less than 2% of mass 174	0.65	OK
174	4482	greater than 50% of mass 95	57.98	OK
175	337	5 to 9% of mass 174	7.52	OK
176	4417	>95% but <101% of mass 174	98.55	OK
177	239	5 to 9% of mass 176	5.41	OK

Chromatogram Plot C:\TM\DATA\DI0918-1 Date: 09/18/00 07:40:05
Comment: DI 5ml WATER METHOD BLANK
Scan No: 1000 Retention Time: 18:01 RIC: 1039 Mass Range: 35 - 253
Plotted: 121 to 2040 Range: 121 to 2040 100% = 163368



Quantitation Report Quanfile: DI0918-1 Quan Entries: 38
Comment: DI 5ml WATER METHOD BLANK
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:04	IS-PENTAFLUOROBENZENE	15.542	105,146
1.000	13:34	IS-1,4-DIFLUOROBENZENE	15.580	189,644
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	154,554
1.000	25:47	IS-1,4-DICHLOROBENZENE	9.918	55,097
1.142	12:39	SUR-1,2-DICHLOROETHANE	111.051	117,684
1.270	17:14	SUR-TOLUENE,d8	102.418	303,673
1.132	23:34	SUR-BROMOFLUOROBENZENE	90.144	33,202
0.650	7:12	Acetone	41.301	30,357
0.605	6:42	Acrolein	8.637	1,867
0.944	12:49	Benzene	0.570	4,397
1.133	15:23	Bromodichloromethane	0.361	220
0.564	6:15	Bromomethane	0.266	887
1.016	26:13	n-Butyl Benzene	0.219	285
0.570	6:19	Chloroethane	0.322	118
0.987	10:56	Chloroform	0.407	4,720
0.516	5:43	Chloromethane	1.163	6,219
0.940	24:15	4-Chlorotoluene	0.214	331
1.025	26:27	1,2-Dichlorobenzene	0.272	130
0.994	25:38	1,3-Dichlorobenzene	0.262	221
1.001	25:50	1,4-Dichlorobenzene	0.364	301
1.304	17:42	t-1,3-Dichloropropene	0.388	14
1.010	21:02	Ethylbenzene	0.418	507
0.725	8:02	Methylene Chloride	0.279	5,327
0.902	9:59	Methyl Ethyl Ketone	6.024	6,444
1.141	29:26	Naphthalene	0.327	1,412
0.924	23:50	n-Propyl Benzene	0.241	333
1.072	22:19	Styrene	0.416	180
1.283	17:25	Toluene	0.370	2,263
1.155	29:48	1,2,3-Trichlorobenzene	0.000	300
1.125	29:01	1,2,4-Trichlorobenzene	0.130	458
0.965	24:54	1,2,4-Trimethylbenzene	0.455	498
0.936	24:09	1,3,5-Trimethylbenzene	0.171	178
1.018	21:12	m+p-Xylenes	0.078	1,350
1.065	22:11	ortho-Xylene	0.435	931
0.494	5:28	Chlorodifluoromethane	0.127	814
1.144	15:32	p-Dioxane	61.592	1,204
0.939	10:24	Ethyl Acetate	0.979	1,414
0.996	11:02	Methyl Acrylate	2.470	2,363

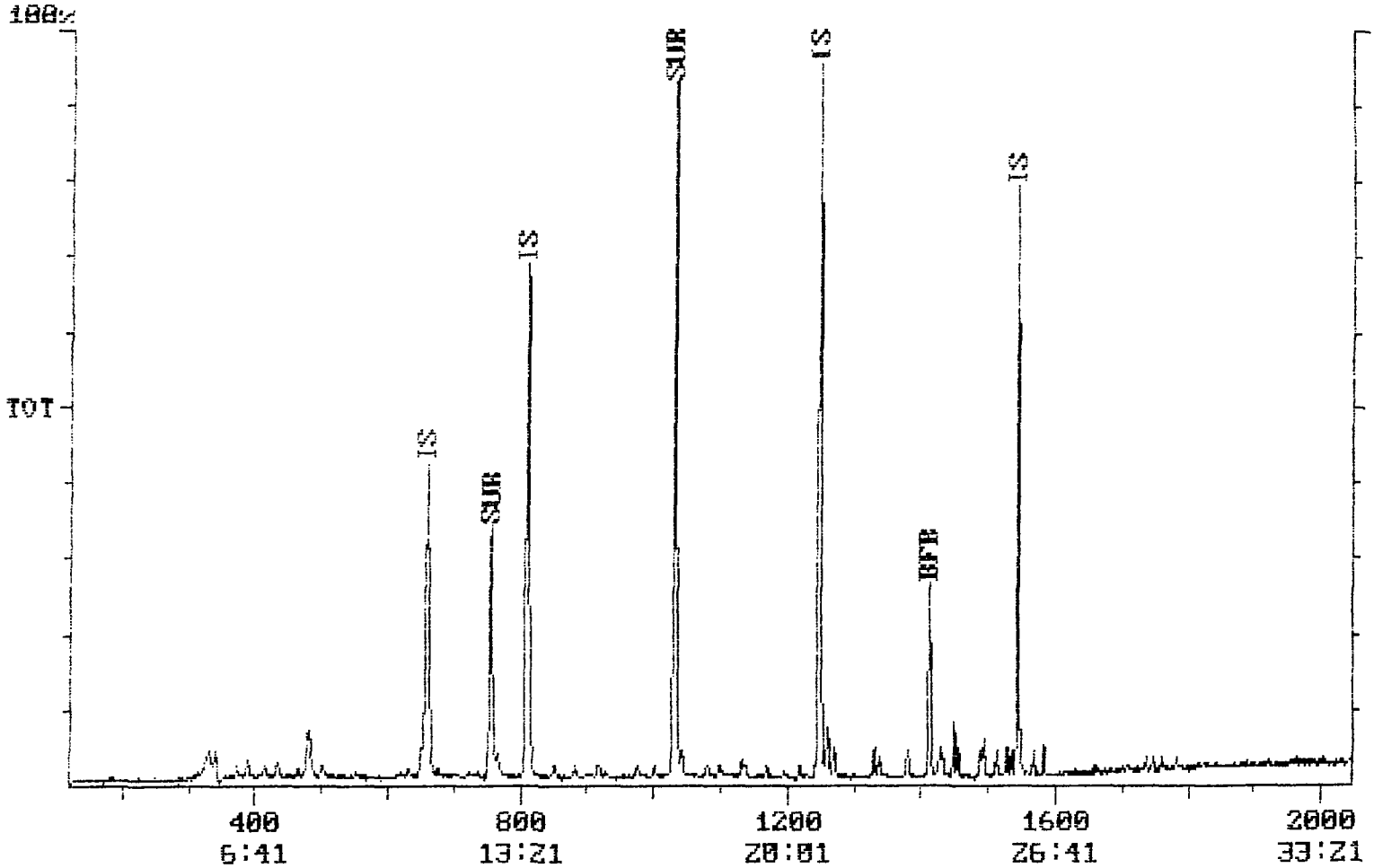
ST0918-1 DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/L

Chromatogram Plot C:\TM\DATA\ST0918-1 Date: 09/18/00 09:20:37

Comment: DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/L

Scan No: 1000 Retention Time: 18:01 RIC: 3444 Mass Range: 35 - 129

Plotted: 121 to 2040 Range: 121 to 2040 100% = 122970



DETECTION LIMIT DAILY CHECK STANDARD
units are micrograms per liter

	TARGET	ST0918-1	% REC
DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/l			
Acetone	3.146	4.278	136%
Acrolein	3.074	2.339	76%
Acrylonitrile	2.628	2.199	84%
Benzene	0.549	0.735	134%
Bromobenzene	0.387	0.577	149%
Bromochloromethane	0.347	0.485	140%
Bromoethane			
Bromodichloromethane	0.549	0.689	126%
Bromoform	0.797	0.733	92%
Bromomethane	0.918	0.877	96%
n-Butyl Benzene	0.554	0.517	93%
sec-Butyl Benzene	0.549	0.466	85%
tert-Butyl Benzene	0.504	0.382	76%
Carbon Disulfide	0.531	0.488	92%
Carbon Tetrachloride	0.329	0.497	151%
Chlorobenzene	0.590	0.642	109%
Chlorodibromomethane	0.567	0.654	115%
Chloroethane	0.995	0.803	81%
2-Chloroethylvinyl Ether			
Chloroform	0.680	0.972	143%
1-Chlorohexane	0.491	0.499	102%
Chloromethane	1.202	1.027	85%
2-Chlorotoluene	0.590	0.526	89%
4-Chlorotoluene	0.603	0.558	93%
Cyclohexanone			
1,2-Dibromo-3-Chloropropane	1.022	1.372	134%
1,2-Dibromoethane	0.581	0.582	100%
1,2-Dibromoethene			
Dibromomethane	0.351	0.475	135%
1,2-Dichlorobenzene	0.626	0.645	103%
1,3-Dichlorobenzene	0.540	0.517	96%
1,4-Dichlorobenzene	0.486	0.587	121%
t-1,4-Dichloro-2-Butene			
Dichlorodifluoromethane	0.932	0.929	100%
1,1-Dichloroethane	0.491	0.492	100%
1,2-Dichloroethane	0.581	0.521	90%
1,1-Dichloroethene	0.612	0.545	89%
c-1,2-Dichloroethene	0.545	0.607	111%
t-1,2-Dichloroethene	0.482	0.47	98%
Dichlorofluoromethane			
1,2-Dichloropropane	0.531	0.499	94%
1,3-Dichloropropane	0.585	0.517	88%
2,2-Dichloropropane	0.432	0.479	111%

DETECTION LIMIT DAILY CHECK STANDARD
units are micrograms per liter

		TARGET	ST0918-1	% REC
	1,1-Dichloropropene	0.504	0.38	75%
	c-1,3-Dichloropropene	0.567	0.621	110%
	t-1,3-Dichloropropene	0.572	0.684	120%
	Diethyl Ether	0.495	0.555	112%
	Ethylbenzene	0.554	0.68	123%
	Ethyl Methacrylate	0.648	0.775	120%
	n-Heptane			
<50%	Hexachlorobutadiene	0.284	0.121	43%
<70%	2-Hexanone	2.493	1.711	69%
	Iodomethane			
	Isopropyl Benzene	0.522	0.54	103%
<70%	p-Isopropyltoluene	0.536	0.368	69%
	Methylene Chloride	0.729	1.807	248%
<70%	Methyl Ethyl Ketone	2.444	1.409	58%
	Methyl Isobutyl Ketone	2.390	1.995	83%
	Methyl Methacrylate	0.684	0.76	111%
	Naphthalene	0.428	0.504	118%
	Nitrobenzene			
	n-Propyl Benzene	0.558	0.555	99%
	Styrene	0.572	0.675	118%
	tert-Butyl Methyl Ether	0.531	0.616	116%
	1,1,1,2-Tetrachloroethane	0.576	0.622	108%
	1,1,2,2-Tetrachloroethane	0.378	0.592	157%
	Tetrachloroethene	0.527	0.564	107%
	Tetrahydrofuran	3.695	3.993	108%
	Toluene	0.536	0.597	111%
<50%	1,2,3-Trichlorobenzene	0.401	0.198	49%
<70%	1,2,4-Trichlorobenzene	0.396	0.259	65%
	1,1,1-Trichloroethane	0.302	0.385	128%
	1,1,2-Trichloroethane	0.608	0.519	85%
	Trichloroethene	0.504	0.593	118%
	Trichlorofluoromethane	1.026	0.93	91%
	1,2,3-Trichloropropane	0.644	0.97	151%
	1,1,2-Trichlorotrifluoroethane	0.540	0.384	71%
	1,2,4-Trimethylbenzene	0.567	0.693	122%
	1,3,5-Trimethylbenzene	0.540	0.466	86%
	Vinyl Acetate			
	Vinyl Chloride	0.977	0.906	93%
	m+p-Xylenes	0.527	0.388	74%
	ortho-Xylene	0.572	0.722	126%
	Allyl Chloride	0.477	0.465	97%

2 Compounds <50% recovery.
7% with <70% recovery.

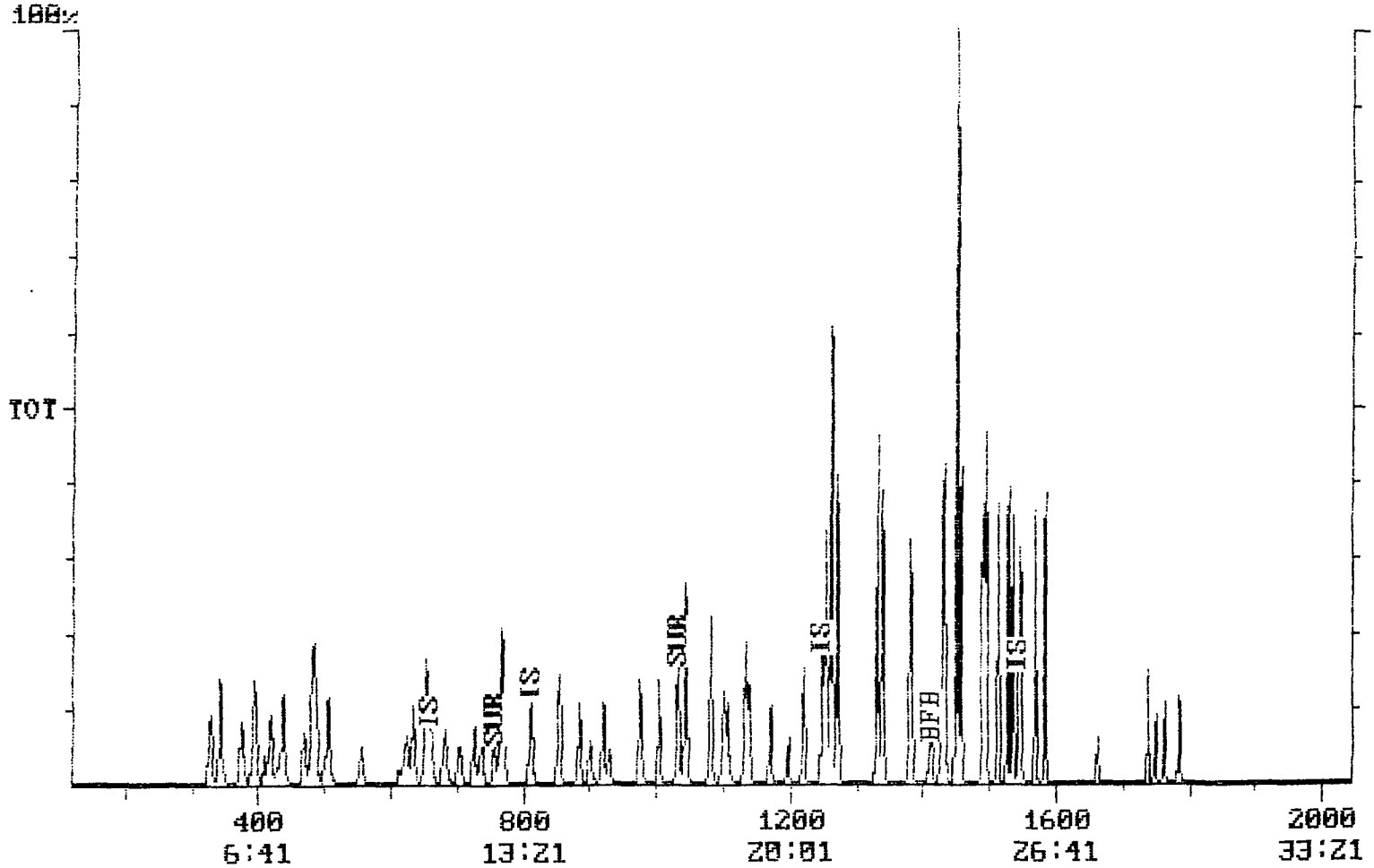
CC0918-1 DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC

Chromatogram Plot C:\TM\DATA\CC0918-1 Date: 09/18/00 10:07:57

Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC

Scan No: 1080 Retention Time: 18:01 RIC: 163450 Mass Range: 35 - 113

Plotted: 121 to 2040 Range: 121 to 2040 100% = 779419



EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS

QC Description: Continuing Calibration
Client Name: _____
EIS Lab Numbers: _____
Date Analyzed: Sep-18-2000 10:07

Initial Calibration Date: 06-28-00
Analysis Methods: 624, 8260, 524.2
Concentration Units: ug/l

SURROGATE RESPONSES	% Rec	QA/QC Limits
1,2-Dichloroethane,d4	81	76-114
Toluene,d8	89	88-110
Bromofluorobenzene	130	86-115

SAMPLE RESULTS

Parameter	Concentration True	Concentration Found	REC. %	% DIF (DRIFT)	Response Factor Initial	Response Factor Found
8 Acetone	104.9	98.4	94	6.2		
9 Acrolein	102.5	97.6	95	4.7		
10 Acrylonitrile	87.6	82.1	94	6.2		
11 Benzene	18.3	14.6	80	20.0		
12 Bromobenzene	12.9	10.6	82	17.5		
13 Bromochloromethane	11.6	10.2	88	11.7		
14 Bromoethane						
15 Bromodichloromethane	18.3	13.5	74	26.0 >20		
16 Bromoform	26.6	22.8	86	14.4	0.345	0.279 **
17 Bromomethane	30.6	29.6	97	3.2		
18 n-Butyl Benzene	18.5	19.2	104	4.0		
19 sec-Butyl Benzene	18.3	15.3	83	16.6		
20 tert-Butyl Benzene	16.8	16.4	98	2.4		
21 Carbon Disulfide	17.7	17.6	99	0.7		
22 Carbon Tetrachloride	11.0	8.5	78	22.4 >20		
23 Chlorobenzene	19.7	18.4	93	6.8	1.247	1.303 **
24 Chlorodibromomethane	18.9	13.5	72	28.4 >20		
25 Chloroethane	33.2	28.9	87	13.1		
26 2-Chloroethylvinyl Ether						
27 Chloroform	22.7	18.3	81	19.3	DRIFT < = 20	*
28 1-Chlorohexane	16.4	12.8	78	22.2 >20		
29 Chloromethane	40.1	33.4	83	16.7	0.850	0.749 **
30 2-Chlorotoluene	19.7	15.5	79	21.1 >20		
31 4-Chlorotoluene	20.1	19.5	97	2.9		
32 Cyclohexanone						
33 1,2-Dibromo-3-Chloropropane	34.1	30.8	90	9.8		
34 1,2-Dibromoethane	19.4	17.5	90	9.6		
35 1,2-Dibromoethene						
36 1,2-Dibromoethene						
37 Dibromomethane	11.7	9.4	80	19.9		
38 1,2-Dichlorobenzene	20.9	21.4	102	2.2		
39 1,3-Dichlorobenzene	18.0	16.3	90	9.5		
40 1,4-Dichlorobenzene	16.2	16.1	99	0.8		
41 t-1,4-Dichloro-2-Butene						
42 Dichlorodifluoromethane	31.1	27.6	89	11.4		
43 1,1-Dichloroethane	16.4	13.4	82	18.0	1.094	0.946 **
44 1,2-Dichloroethane	19.4	17.1	88	11.9		
45 1,1-Dichloroethene	20.4	17.7	87	13.1	DRIFT < = 20	*
46 c-1,2-Dichloroethene	18.2	15.0	83	17.5		
47 t-1,2-Dichloroethene	16.1	13.4	83	16.9		
48 Dichlorofluoromethane						

EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS
Continuing Calibration
Sep-18-2000 10:07

Parameter	Concentration True	Concentration Found	REC. %	% DIF (DRIFT)		Response Factor Initial	Response Factor Found	
49 1,2-Dichloropropane	17.7	15.6	88	11.9		DRIFT < = 20		*
50 1,3-Dichloropropane	19.5	16.8	86	13.6				
51 2,2-Dichloropropane	14.4	11.9	83	17.5				
52 1,1-Dichloropropene	16.8	13.5	80	19.6				
53 c-1,3-Dichloropropene	18.9	15.2	80	19.8				
54 t-1,3-Dichloropropene	19.1	17.8	93	7.1				
55 Diethyl Ether	16.5	14.6	89	11.4				
56 Ethylbenzene	18.5	16.5	89	10.6		DRIFT < = 20		*
57 Ethyl Methacrylate	21.6	20.4	94	5.7				
58 n-Heptane								
59 Hexachlorobutadiene	9.5	8.2	87	13.2				
60 2-Hexanone	83.1	76.1	92	8.4				
61 Iodomethane								
62 Isopropyl Benzene	17.4	16.6	95	4.7				
63 p-Isopropyltoluene	17.9	15.2	85	14.9				
64 Methylene Chloride	24.3	21.4	88	11.9				
65 Methyl Ethyl Ketone	81.5	72.9	89	10.5				
66 Methyl Isobutyl Ketone	79.7	69.9	88	12.3				
67 Methyl Methacrylate	22.8	21.4	94	6.2				
68 Naphthalene	14.3	13.1	91	8.6				
69 Nitrobenzene								
70 n-Propyl Benzene	18.6	20.0	108	7.7				
71 Styrene	19.1	18.5	97	3.3				
72 tert-Butyl Methyl Ether	17.7	15.8	89	10.8				
73 1,1,1,2-Tetrachloroethane	19.2	16.4	85	14.6				
74 1,1,2,2-Tetrachloroethane	12.6	10.1	80	20.2	>20	1.001	0.847	**
75 Tetrachloroethene	17.6	14.3	81	18.7				
76 Tetrahydrofuran	123.2	114.8	93	6.8				
77 Toluene	17.9	15.1	85	15.5		DRIFT < = 20		*
78 1,2,3-Trichlorobenzene	13.4	13.4	100	0.3				
79 1,2,4-Trichlorobenzene	13.2	12.4	94	6.0				
80 1,1,1-Trichloroethane	10.1	8.8	87	13.2				
81 1,1,2-Trichloroethane	20.3	16.2	80	20.4	>20			
82 Trichloroethene	16.8	14.2	84	15.7				
83 Trichlorofluoromethane	34.2	28.0	82	18.3				
84 1,2,3-Trichloropropane	21.5	20.6	96	4.2				
85 1,1,2-Trichlorotrifluoroeth	18.0	14.8	82	17.6				
86 1,2,4-Trimethylbenzene	18.9	16.0	85	15.4				
87 1,3,5-Trimethylbenzene	18.0	20.6	114	14.3				
88 Vinyl Acetate								
89 Vinyl Chloride	32.6	29.9	92	8.4		DRIFT < = 20		*
90 m+p-Xylenes	17.6	19.4	110	10.2				
91 ortho-Xylene	19.1	17.4	91	8.6				
92 Acetonitrile								
93 Allyl Chloride	15.9	14.7	93	7.3				

* Calibration Check Compound (CCC) with maximum % DRIFT = 20%
** System Performance Check Compound (SPCC) with minimum RF as follows:
Chloromethane and 1,1-Dichloroethane 0.10, Bromoform >0.10
Chlorobenzene and 1,1,2,2-Tetrachloroethane 0.30
(8260 REV 1. Sept 94, in use 4/12/95)

Quantitation Report Quanfile: CC0918-1 Quan Entries: 86
Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:01	IS-PENTAFLUOROBENZENE	15.542	96,599
1.000	13:31	IS-1,4-DIFLUOROBENZENE	15.580	163,334
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	124,441
1.000	25:44	IS-1,4-DICHLOROBENZENE	9.918	45,963
1.145	12:37	SUR-1,2-DICHLOROETHANE	81.121	78,935
1.273	17:13	SUR-TOLUENE,d8	89.280	227,940
1.132	23:34	SUR-BROMOFLUOROBENZENE	129.871	38,519
0.652	7:11	Acetone	98.401	66,779
0.649	7:09	Acrolein	97.636	24,636
0.759	8:22	Acrylonitrile	82.132	70,339
0.945	12:47	Benzene	14.649	335,228
0.928	23:54	Bromobenzene	10.639	57,113
1.030	11:21	Bromochloromethane	10.246	26,163
0.697	7:41	Bromoethane	0.190	130
1.134	15:20	Bromodichloromethane	13.543	137,906
1.108	23:04	Bromoform	22.765	69,363
0.567	6:15	Bromomethane	29.609	97,229
1.016	26:09	n-Butyl Benzene	19.239	315,285
0.979	25:13	sec-Butyl Benzene	15.255	301,142
0.965	24:51	tert-Butyl Benzene	16.390	307,356
0.730	8:03	Carbon Disulfide	17.568	205,121
0.910	12:18	Carbon Tetrachloride	8.540	67,116
1.003	20:53	Chlorobenzene	18.362	240,120
0.937	19:31	Chlorodibromomethane	13.527	101,123
0.571	6:18	Chloroethane	28.867	38,322
0.989	10:54	Chloroform	18.322	244,316
0.976	20:20	1-Chlorohexane	12.760	91,783
0.517	5:42	Chloromethane	33.389	186,570
0.939	24:11	2-Chlorotoluene	15.537	89,831
0.943	24:17	4-Chlorotoluene	19.517	388,049
1.077	27:43	1,2-Dibromo-3-Chloropr	30.767	25,056
0.958	19:57	1,2-Dibromoethane	17.536	59,792
1.146	15:30	Dibromomethane	9.374	37,158
1.025	26:24	1,2-Dichlorobenzene	21.369	190,924
0.994	25:35	1,3-Dichlorobenzene	16.288	177,468
1.001	25:47	1,4-Dichlorobenzene	16.065	163,106
0.496	5:28	Dichlorodifluoromethan	27.564	209,627
0.841	9:16	1,1-Dichloroethane	13.449	96,449
0.949	12:50	1,2-Dichloroethane	17.097	129,029
0.661	7:17	1,1-Dichloroethene	17.729	207,635
0.959	10:34	c-1,2-Dichloroethene	15.022	74,192
0.765	8:26	t-1,2-Dichloroethene	13.382	161,949
1.089	14:44	1,2-Dichloropropane	15.588	49,835
0.911	18:59	1,3-Dichloropropane	16.840	57,637
0.944	10:24	2,2-Dichloropropane	11.887	63,779
0.895	12:06	1,1-Dichloropropene	13.512	62,169
1.237	16:44	c-1,3-Dichloropropene	15.153	104,097
1.332	18:01	t-1,3-Dichloropropene	17.751	93,852
0.620	6:50	Diethyl Ether	14.615	31,407
1.009	21:01	Ethylbenzene	16.533	528,836
1.334	18:02	Ethyl Methacrylate	20.374	94,402
1.132	29:09	Hexachlorobutadiene	8.248	19,598
1.364	18:27	2-Hexanone	76.097	172,209

Quantitation Report Quanfile: CC0918-1 Quan Entries: 86
Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.105	23:01	Isopropyl Benzene	16.590	360,851
0.989	25:28	p-Isopropyltoluene	15.225	298,752
0.729	8:02	Methylene Chloride	21.399	306,276
0.927	10:13	Methyl Ethyl Ketone	72.932	73,847
1.202	16:15	Methyl Isobutyl Ketone	69.906	242,403
1.110	15:01	Methyl Methacrylate	21.393	64,665
1.141	29:22	Naphthalene	13.067	107,893
0.926	23:51	n-Propyl Benzene	20.026	535,609
1.072	22:19	Styrene	18.471	236,438
0.736	8:07	tert-Butyl Methyl Ethe	15.789	104,558
1.009	21:01	1,1,1,2-Tetrachloroeth	16.394	118,765
0.913	23:30	1,1,2,2-Tetrachloroeth	10.056	49,437
0.907	18:53	Tetrachloroethene	14.314	85,124
1.033	11:23	Tetrahydrofuran	114.772	37,681
1.287	17:24	Toluene	15.130	432,578
1.155	29:44	1,2,3-Trichlorobenzene	13.361	45,028
1.124	28:57	1,2,4-Trichlorobenzene	12.402	58,265
1.065	11:44	1,1,1-Trichloroethane	8.764	80,673
1.357	18:21	1,1,2-Trichloroethane	16.153	59,230
1.053	14:14	Trichloroethene	14.154	89,255
0.594	6:33	Trichlorofluoromethane	27.958	277,070
0.924	23:48	1,2,3-Trichloropropane	20.602	77,961
0.632	6:58	1,1,2-Trichlorotrifluo	14.834	80,978
0.968	24:55	1,2,4-Trimethylbenzene	15.993	388,713
0.939	24:10	1,3,5-Trimethylbenzene	20.580	426,578
0.526	5:48	Vinyl Chloride	29.851	77,847
1.017	21:11	m+p-Xylenes	19.391	462,846
1.065	22:11	ortho-Xylene	17.449	482,277
0.708	7:48	Allyl Chloride	14.737	95,202
0.908	12:17	n-Butyl Alcohol	7.243	397
0.927	10:13	Ethyl Acetate	31.013	65,647
1.001	11:02	Methyl Acrylate	4.633	4,981
1.202	16:15	1,1-Dichloropropanone	264.483	242,403

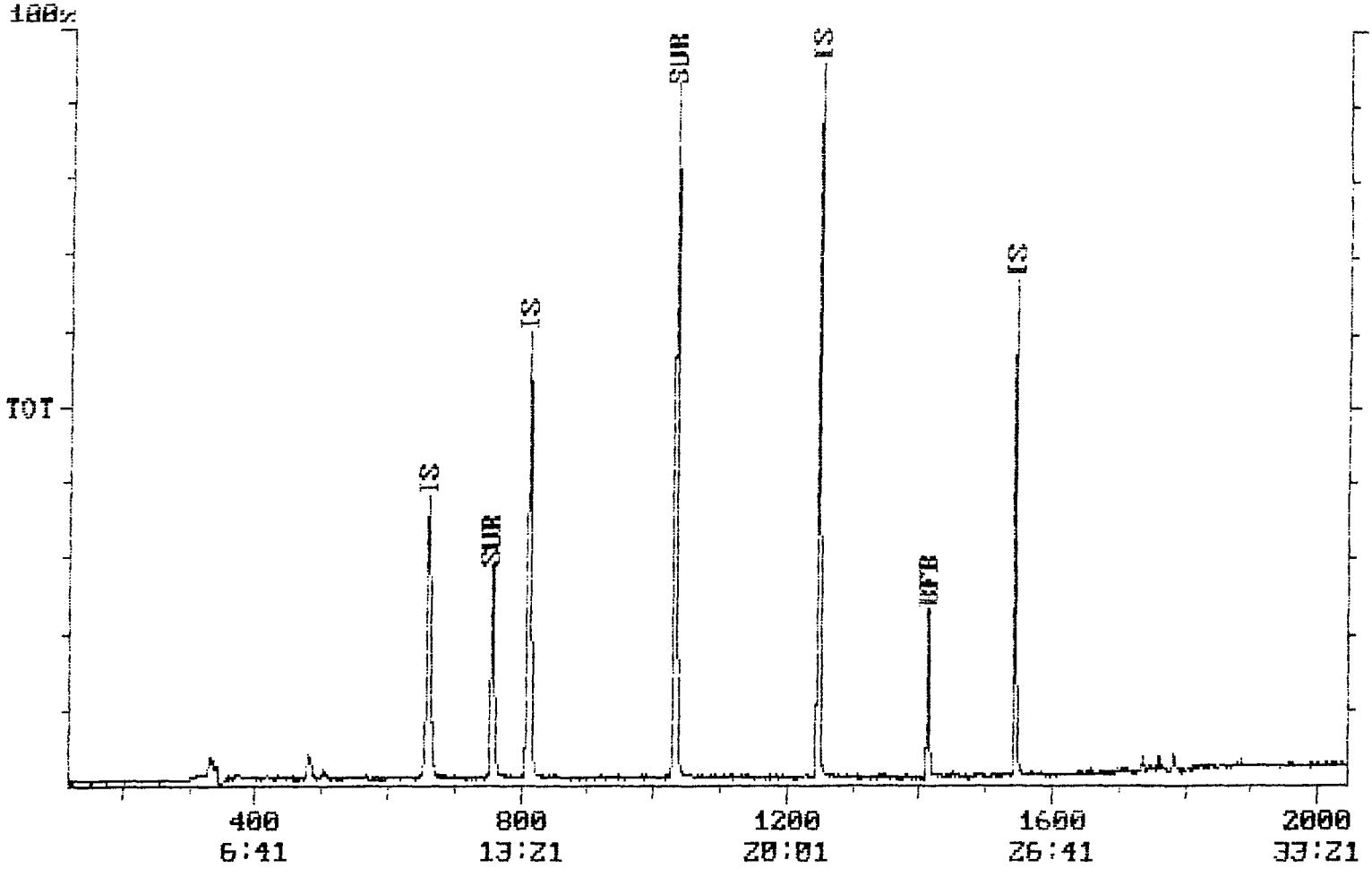
DI0918-3 DI 5ml WATER METHOD BLANK

Chromatogram Plot C:\TM\DATA\DI0918-3 Date: 09/18/00 11:28:00

Comment: DI 5ml WATER METHOD BLANK

Scan No: 1000 Retention Time: 18:01 RIC: 1260 Mass Range: 40 - 169

Plotted: 121 to 2040 Range: 121 to 2040 100% = 126105



Quantitation Report Quanfile: DI0918-3 Quan Entries: 43
Comment: DI 5ml WATER METHOD BLANK
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:03	IS-PENTAFLUOROBENZENE	15.542	90,646
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	147,038
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	114,390
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	37,048
1.143	12:38	SUR-1,2-DICHLOROETHANE	91.768	83,812
1.270	17:13	SUR-TOLUENE,d8	102.729	236,166
1.132	23:34	SUR-BROMOFLUOROBENZENE	96.609	26,337
0.663	7:20	Acetone	1.487	725
0.945	12:49	Benzene	0.445	742
0.565	6:15	Bromomethane	0.322	891
1.016	26:10	n-Butyl Benzene	0.277	963
0.980	25:15	sec-Butyl Benzene	0.229	609
0.965	24:51	tert-Butyl Benzene	0.101	484
0.937	19:31	Chlorodibromomethane	0.329	84
0.987	10:55	Chloroform	0.398	3,950
0.938	24:10	2-Chlorotoluene	0.226	51
0.943	24:18	4-Chlorotoluene	0.267	1,082
1.075	27:42	1,2-Dibromo-3-Chloropr	0.489	103
1.025	26:24	1,2-Dichlorobenzene	0.313	387
0.994	25:37	1,3-Dichlorobenzene	0.285	357
1.001	25:48	1,4-Dichlorobenzene	0.393	451
0.825	9:07	1,1-Dichloroethane	0.198	23
0.657	7:16	1,1-Dichloroethene	0.193	84
1.010	21:02	Ethylbenzene	0.419	422
1.132	29:09	Hexachlorobutadiene	0.046	262
1.105	23:01	Isopropyl Benzene	0.247	287
0.989	25:29	p-Isopropyltoluene	0.147	738
0.727	8:02	Methylene Chloride	1.039	13,079
1.140	29:22	Naphthalene	0.701	3,475
0.926	23:52	n-Propyl Benzene	0.269	836
1.073	22:21	Styrene	0.422	204
1.060	11:43	Tetrahydrofuran	0.864	182
1.285	17:25	Toluene	0.327	615
1.154	29:44	1,2,3-Trichlorobenzene	0.431	1,414
1.124	28:57	1,2,4-Trichlorobenzene	0.311	995
0.967	24:55	1,2,4-Trimethylbenzene	0.472	667
0.939	24:11	1,3,5-Trimethylbenzene	0.200	610
0.871	9:38	Vinyl Acetate	0.433	77
1.019	21:13	m+p-Xylenes	0.058	579
1.066	22:12	ortho-Xylene	0.426	450
0.630	6:58	Isopropyl Alcohol	8.095	848
0.761	8:25	n-Propyl Alcohol	23.754	208
0.998	11:02	Methyl Acrylate	4.728	4,789

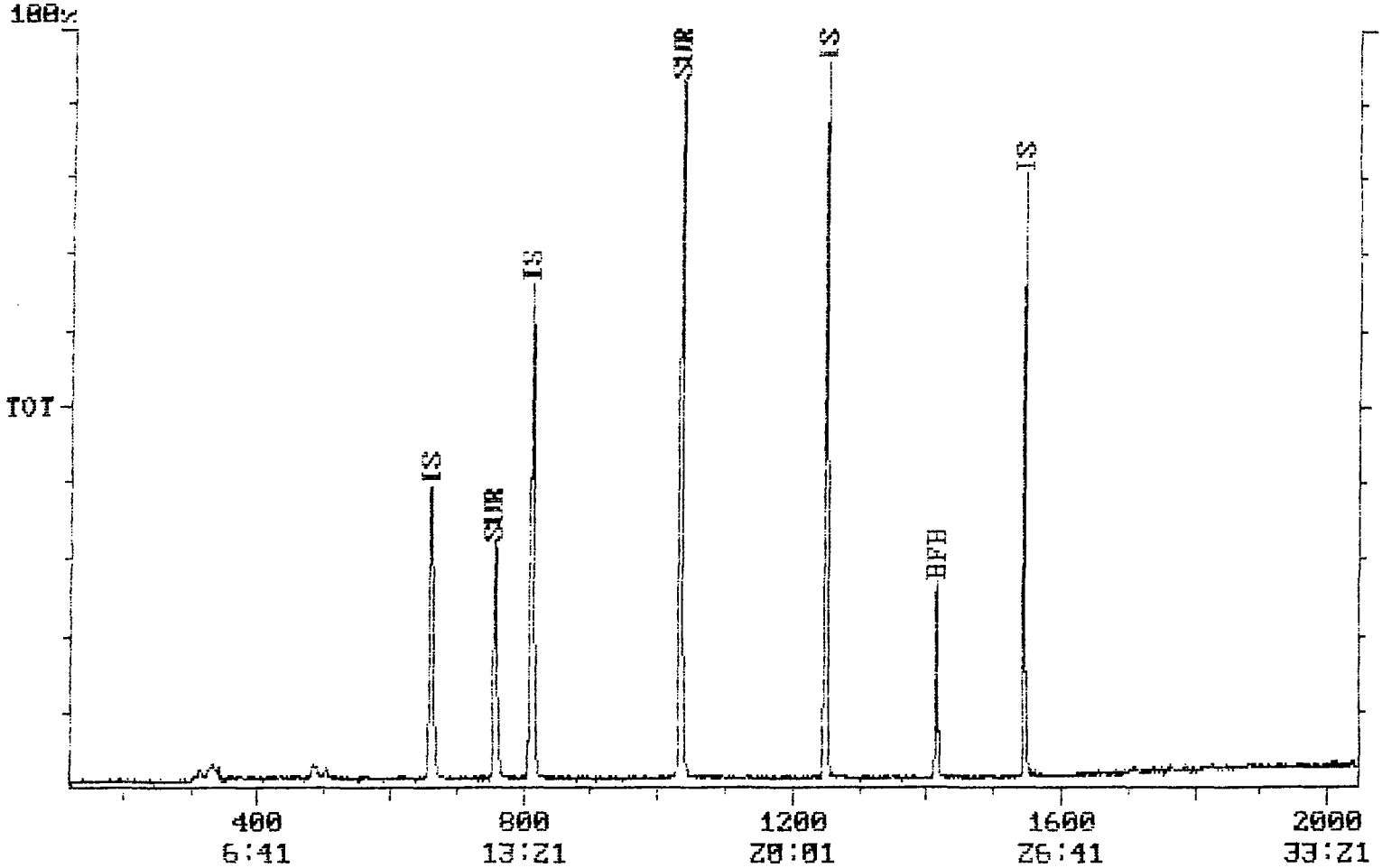
71015 GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3531

Chromatogram Plot C:\TM\DATA\71015 Date: 09/18/00 12:15:30

Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3531

Scan No: 1557 Retention Time: 25:58 BIC: 2287 Mass Range: 38 - 253

Plotted: 121 to 2040 Range: 121 to 2040 100% = 117256



Quantitation Report Quanfile: 71015 Quan Entries: 41
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3531
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542	89,410
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	151,398
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	111,133
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	38,401
1.145	12:38	SUR-1,2-DICHLOROETHANE	96.939	87,336
1.271	17:14	SUR-TOLUENE,d8	100.448	237,760
1.132	23:35	SUR-BROMOFLUOROBENZENE	96.314	25,509
0.658	7:16	Acetone	2.359	1,265
0.944	12:48	Benzene	0.450	884
0.565	6:14	Bromomethane	0.246	711
1.016	26:11	n-Butyl Benzene	0.240	489
0.979	25:14	sec-Butyl Benzene	0.210	311
0.965	24:51	tert-Butyl Benzene	0.084	235
0.729	8:03	Carbon Disulfide	0.298	1,540
1.032	21:29	Chlorobenzene	0.332	16
0.586	6:28	Chloroethane	0.264	28
0.989	10:55	Chloroform	0.087	154
0.518	5:43	Chloromethane	0.391	1,275
0.939	24:11	2-Chlorotoluene	0.220	23
0.943	24:18	4-Chlorotoluene	0.231	507
1.025	26:25	1,2-Dichlorobenzene	0.281	158
0.994	25:37	1,3-Dichlorobenzene	0.265	182
1.001	25:48	1,4-Dichlorobenzene	0.368	248
0.497	5:29	Dichlorodifluoromethan	0.390	48
0.949	12:52	1,2-Dichloroethane	0.187	36
1.011	21:03	Ethylbenzene	0.416	321
1.133	29:11	Hexachlorobutadiene	0.000	85
0.989	25:29	p-Isopropyltoluene	0.132	507
1.141	29:23	Naphthalene	0.348	1,130
0.926	23:52	n-Propyl Benzene	0.242	256
1.073	22:21	Styrene	0.421	192
1.009	21:01	1,1,1,2-Tetrachloroeth	0.247	106
1.285	17:25	Toluene	0.331	742
1.155	29:45	1,2,3-Trichlorobenzene	0.117	589
1.124	28:58	1,2,4-Trichlorobenzene	0.203	607
0.590	6:31	Trichlorofluoromethane	0.428	149
0.968	24:56	1,2,4-Trimethylbenzene	0.460	445
0.939	24:12	1,3,5-Trimethylbenzene	0.180	287
1.019	21:13	m+p-Xylenes	0.062	643
1.066	22:12	ortho-Xylene	0.417	205
0.634	7:00	Isopropyl Alcohol	7.528	777

Clean

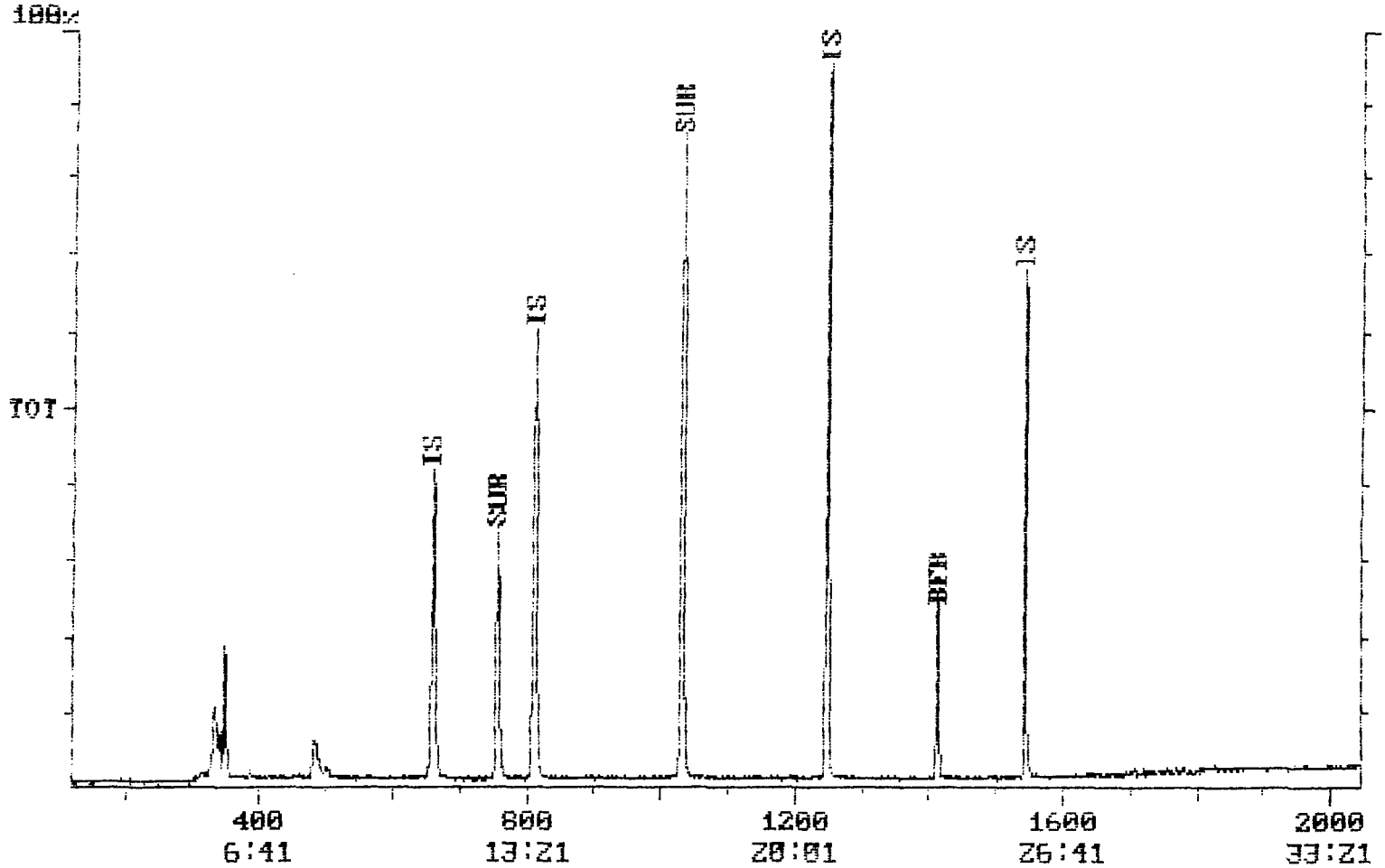
71816 GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3626

Chromatogram Plot C:\TM\DATA\71816 Date: 09/18/88 13:02:52

Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3626

Scan No: 1552 Retention Time: 25:53 RIC: 2547 Mass Range: 36 - 253

Plotted: 121 to 2040 Range: 121 to 2040 100% = 121801



Quantitation Report Quanfile: 71016 Quan Entries: 31
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3626
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542	92,955
1.000	13:32	IS-1,4-DIFLUOROBENZENE	15.580	153,788
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	120,961
1.000	25:44	IS-1,4-DICHLOROBENZENE	9.918	37,153
1.145	12:38	SUR-1,2-DICHLOROETHANE	91.039	85,263
1.272	17:13	SUR-TOLUENE,d8	94.708	227,690
1.132	23:34	SUR-BROMOFLUOROBENZENE	93.586	26,978
0.945	12:48	Benzene	0.441	693
0.566	6:15	Bromomethane	0.247	741
1.016	26:09	n-Butyl Benzene	0.230	332
0.968	24:55	sec-Butyl Benzene	0.206	236
0.989	10:55	Chloroform	0.084	125
0.944	24:19	4-Chlorotoluene	0.215	244
1.025	26:24	1,2-Dichlorobenzene	0.274	100
0.995	25:37	1,3-Dichlorobenzene	0.256	91
0.995	25:37	1,4-Dichlorobenzene	0.350	91
0.491	5:25	Dichlorodifluoromethan	0.389	39
0.787	8:41	t-1,2-Dichloroethene	0.211	78
1.317	17:50	t-1,3-Dichloropropene	0.389	18
1.011	21:03	Ethylbenzene	0.418	411
1.129	29:04	Hexachlorobutadiene	0.000	83
0.989	25:28	p-Isopropyltoluene	0.113	194
1.138	29:18	Naphthalene	0.281	641
0.926	23:51	n-Propyl Benzene	0.247	372
1.286	17:25	Toluene	0.331	765
1.152	29:40	1,2,3-Trichlorobenzene	0.029	332
0.968	24:55	1,2,4-Trimethylbenzene	0.450	236
1.020	21:14	m+p-Xylenes	0.056	545
1.066	22:12	ortho-Xylene	0.418	254
0.758	8:22	n-Propyl Alcohol	42.001	382
0.998	11:01	Methyl Acrylate	4.394	4,494

Clean

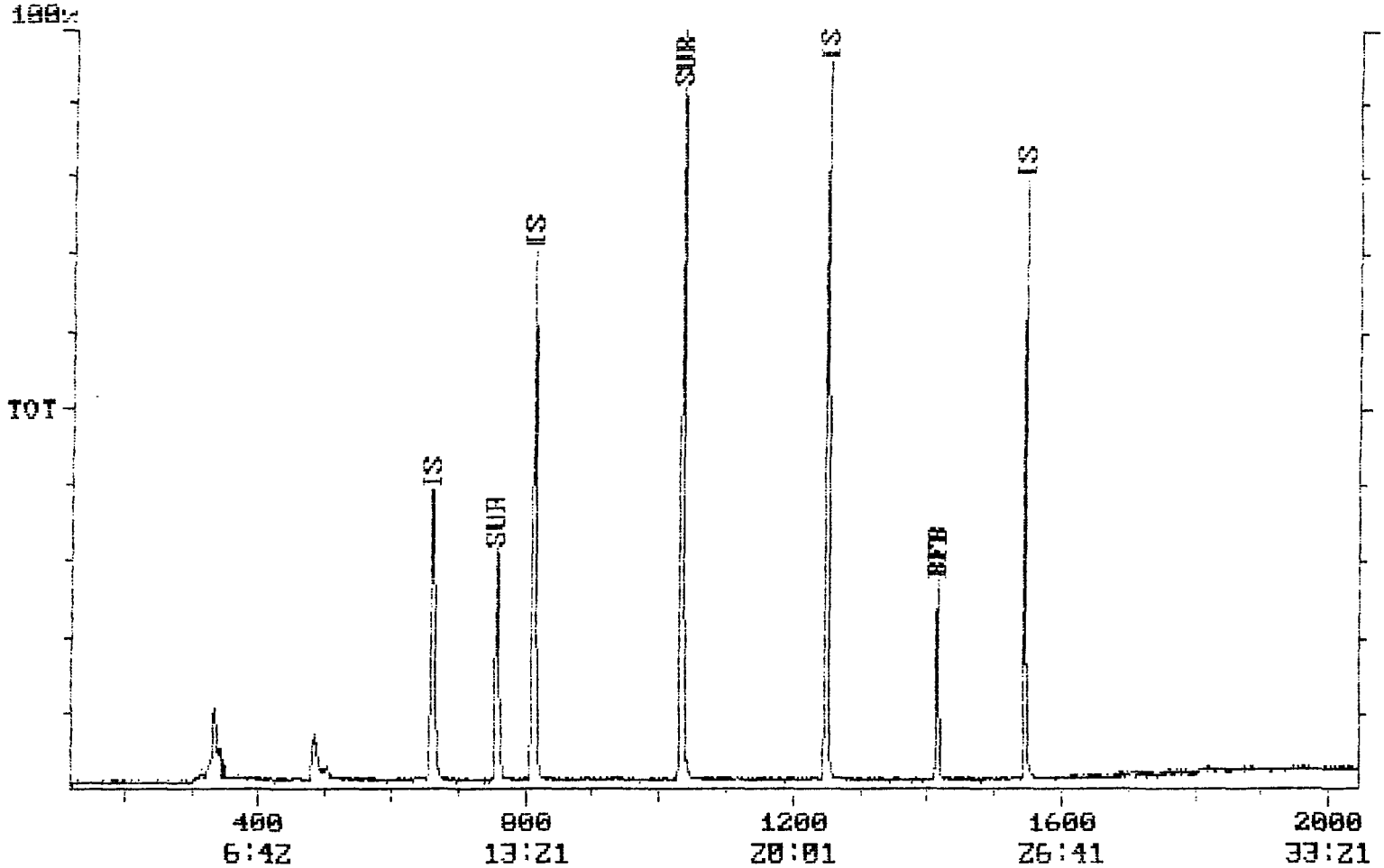
71017 GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3640

Chromatogram Plot C:\TM\DATA\71017 Date: 09/18/00 13:50:13

Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3640

Scan No: 1000 Retention Time: 18:01 RIC: 1271 Mass Range: 39 - 260

Plotted: 121 to 2040 Range: 121 to 2040 100% = 116470



Quantitation Report Quanfile: 71017 Quan Entries: 33
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3640
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542	90,863
1.000	13:32	IS-1,4-DIFLUOROBENZENE	15.580	148,714
1.000	20:50	IS-CHLOROBENZENE,d5	13.300	111,592
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	40,829
1.145	12:38	SUR-1,2-DICHLOROETHANE	92.976	85,120
1.273	17:14	SUR-TOLUENE,d8	96.468	224,276
1.132	23:35	SUR-BROMOFLUOROBENZENE	100.342	26,686
0.660	7:17	Acetone	3.944	2,301
0.945	12:48	Benzene	0.437	581
0.566	6:15	Bromomethane	0.181	576
1.016	26:11	n-Butyl Benzene	0.221	236
0.966	24:53	tert-Butyl Benzene	0.074	90
0.576	6:22	Chloroethane	0.259	22
0.989	10:55	Chloroform	0.082	103
1.025	26:25	1,2-Dichlorobenzene	0.270	78
1.242	16:49	c-1,3-Dichloropropene	0.333	43
0.630	6:57	Diethyl Ether	0.414	752
1.010	21:03	Ethylbenzene	0.415	279
1.139	29:20	Naphthalene	0.239	397
0.926	23:52	n-Propyl Benzene	0.235	113
1.016	11:13	Tetrahydrofuran	1.018	230
1.286	17:25	Toluene	0.337	897
1.152	29:41	1,2,3-Trichlorobenzene	0.000	204
0.915	23:35	1,2,3-Trichloropropane -no-S#3	4.628	14,454
0.938	24:10	1,3,5-Trimethylbenzene	0.174	183
1.019	21:14	m+p-Xylenes	0.054	467
1.066	22:13	ortho-Xylene	0.417	219
0.681	7:31	Allyl Chloride	0.225	181
0.497	5:29	Chlorodifluoromethane	0.082	329
0.588	6:30	Ethyl Alcohol	37.289	851
0.630	6:57	Isopropyl Alcohol	7.174	752
0.758	8:22	n-Propyl Alcohol	59.439	531
1.062	11:43	1-Chlorobutane	0.300	53

clean

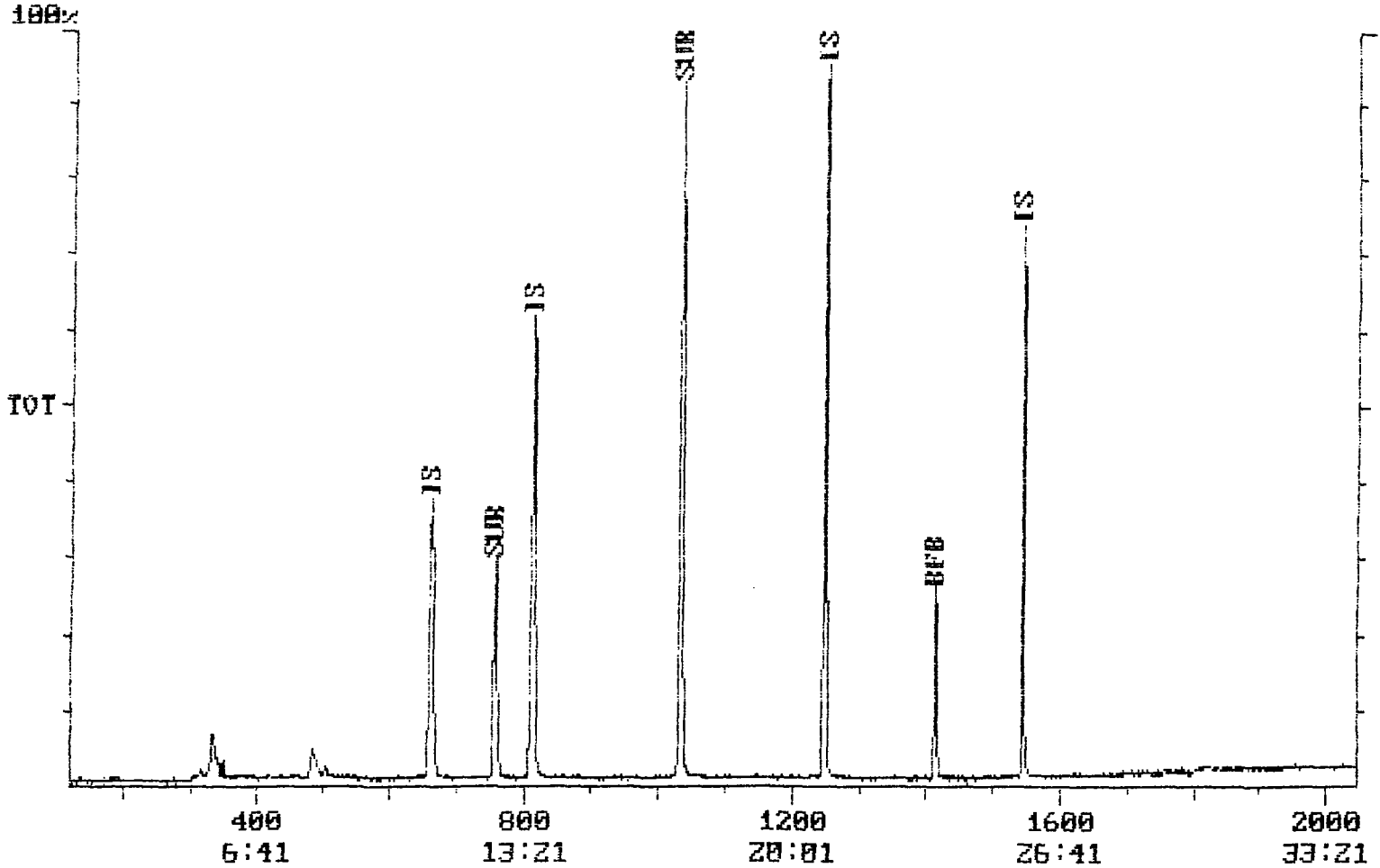
71018 GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3553

Chromatogram Plot C:\TM\DATA\71018 Date: 09/18/00 14:37:34

Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3553

Scan No: 1000 Retention Time: 18:01 RIC: 1355 Mass Range: 39 - 149

Plotted: 121 to 2040 Range: 121 to 2040 100% = 122821

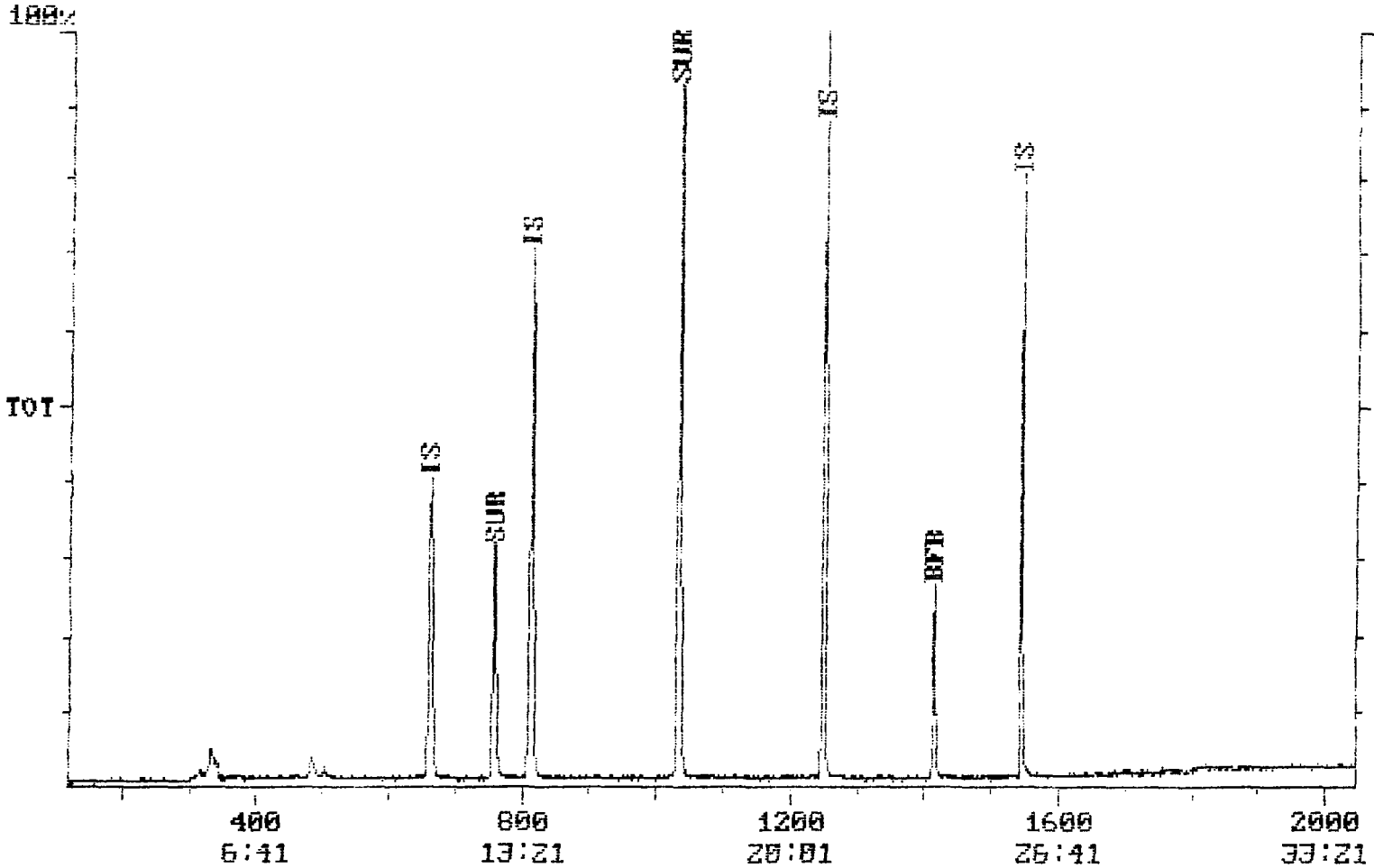


Quantitation Report Quanfile: 71018 Quan Entries: 26
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3553
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:03	IS-PENTAFLUOROBENZENE	15.542	89,235
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	149,961
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	116,388
1.000	25:44	IS-1,4-DICHLOROBENZENE	9.918	41,283
1.143	12:38	SUR-1,2-DICHLOROETHANE	95.499	85,868
1.270	17:13	SUR-TOLUENE,d8	96.497	226,226
1.132	23:34	SUR-BROMOFLUOROBENZENE	93.812	26,021
0.660	7:18	Acetone	3.166	1,770
0.947	12:50	Benzene	0.442	700
0.565	6:15	Bromomethane	0.188	581
0.991	10:58	Chloroform	0.079	68
0.477	5:17	Chloromethane	0.154	46
0.995	25:37	1,3-Dichlorobenzene	0.250	46
1.002	25:48	1,4-Dichlorobenzene	0.344	46
0.904	12:15	1,1-Dichloropropene	0.176	45
1.131	29:07	Hexachlorobutadiene	0.000	27
0.989	25:28	p-Isopropyltoluene	0.106	93
1.139	29:19	Naphthalene	0.234	360
1.018	21:12	1,1,1,2-Tetrachloroeth	0.245	99
1.015	11:13	Tetrahydrofuran	0.653	115
1.284	17:24	Toluene	0.327	634
1.154	29:42	1,2,3-Trichlorobenzene	0.000	94
0.499	5:31	Vinyl Chloride	0.367	75
1.068	22:14	ortho-Xylene	0.410	40
0.630	6:58	Isopropyl Alcohol	9.083	938
0.760	8:24	n-Propyl Alcohol	66.933	588

Clean

Chromatogram Plot C:\TM\DATA\71819 Date: 09/18/00 15:24:55
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3539
Scan No: 1080 Retention Time: 18:01 RIC: 1329 Mass Range: 36 - 131
Plotted: 121 to 2040 Range: 121 to 2040 100% = 117145

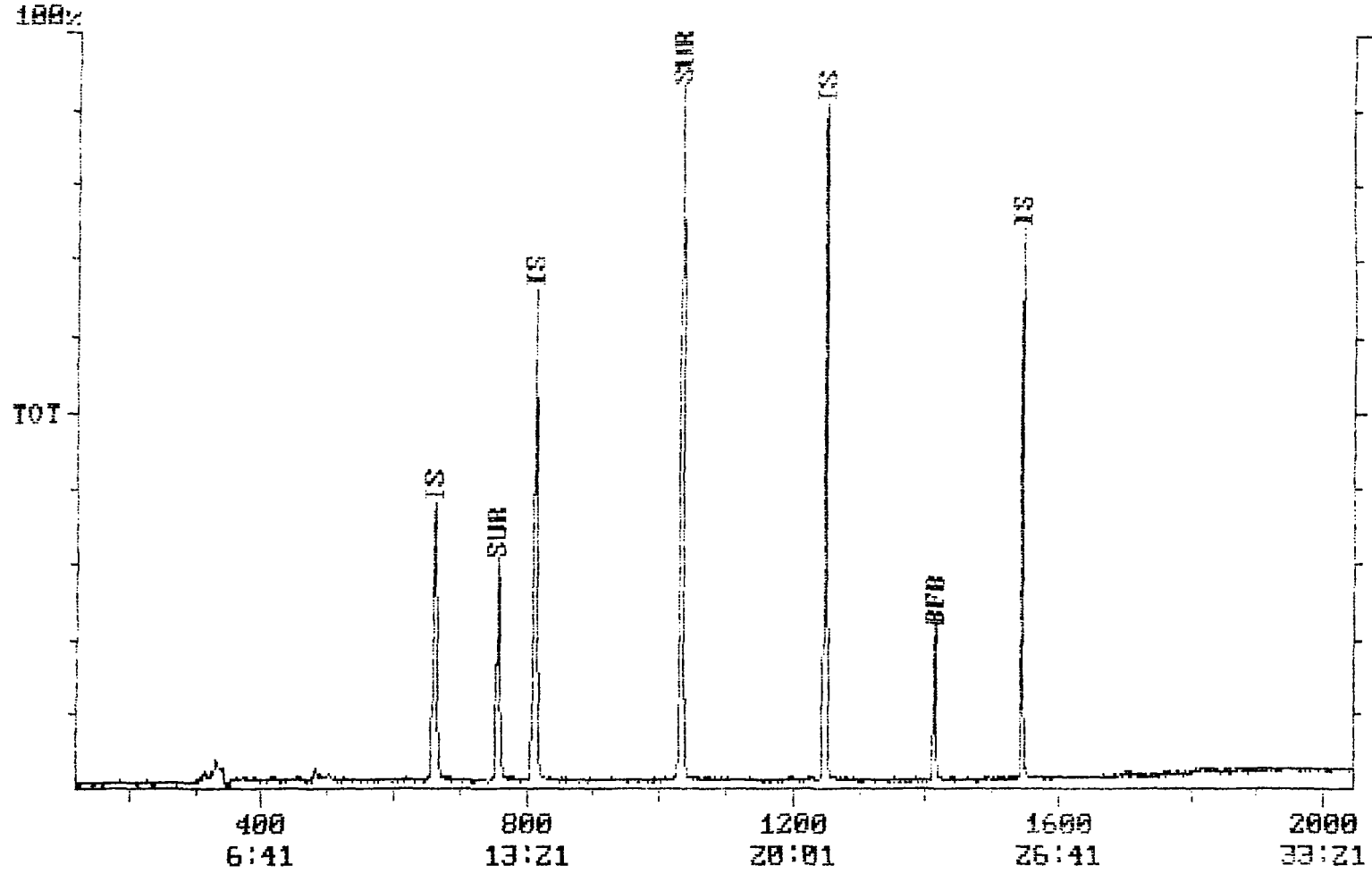


Quantitation Report Quanfile: 71019 Quan Entries: 29
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3539
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:03	IS-PENTAFLUOROBENZENE	15.542	89,905
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	152,207
1.000	20:50	IS-CHLOROBENZENE,d5	13.300	109,637
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	39,528
1.143	12:38	SUR-1,2-DICHLOROETHANE	93.822	84,991
1.271	17:14	SUR-TOLUENE,d8	94.971	225,975
1.131	23:35	SUR-BROMOFLUOROBENZENE	96.767	25,284
0.945	12:49	Benzene	0.431	471
0.565	6:15	Bromomethane	0.144	489
0.979	25:14	sec-Butyl Benzene	0.196	85
0.728	8:03	Carbon Disulfide	0.502	3,776
0.571	6:19	Chloroethane	0.265	29
0.990	10:57	Chloroform	0.086	143
0.517	5:43	Chloromethane	0.407	1,365
0.943	24:17	2-Chlorotoluene	0.227	59
1.084	27:56	1,2-Dibromo-3-Chloropr	0.432	70
1.078	14:37	1,2-Dichloropropane	0.053	25
0.900	12:12	1,1-Dichloropropene	0.179	59
0.727	8:02	Methylene Chloride	0.000	703
0.926	23:52	n-Propyl Benzene	0.238	187
1.020	21:16	1,1,1,2-Tetrachloroeth	0.241	67
1.286	17:26	Toluene	0.327	632
0.595	6:35	Trichlorofluoromethane	0.414	23
0.935	24:06	1,3,5-Trimethylbenzene	0.169	91
1.019	21:14	m+p-Xylenes	0.049	356
0.470	5:12	Chlorodifluoromethane	0.046	37
0.629	6:57	Isopropyl Alcohol	8.351	868
0.760	8:24	n-Propyl Alcohol	49.777	439
1.000	11:03	Methyl Acrylate	4.909	4,969

Clean

Chromatogram Plot C:\TM\DATA\71020 Date: 09/10/00 16:12:16
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3488
Scan No: 1000 Retention Time: 10:01 RIC: 1307 Mass Range: 39 - 165
Plotted: 121 to 2040 Range: 121 to 2040 100% = 123899

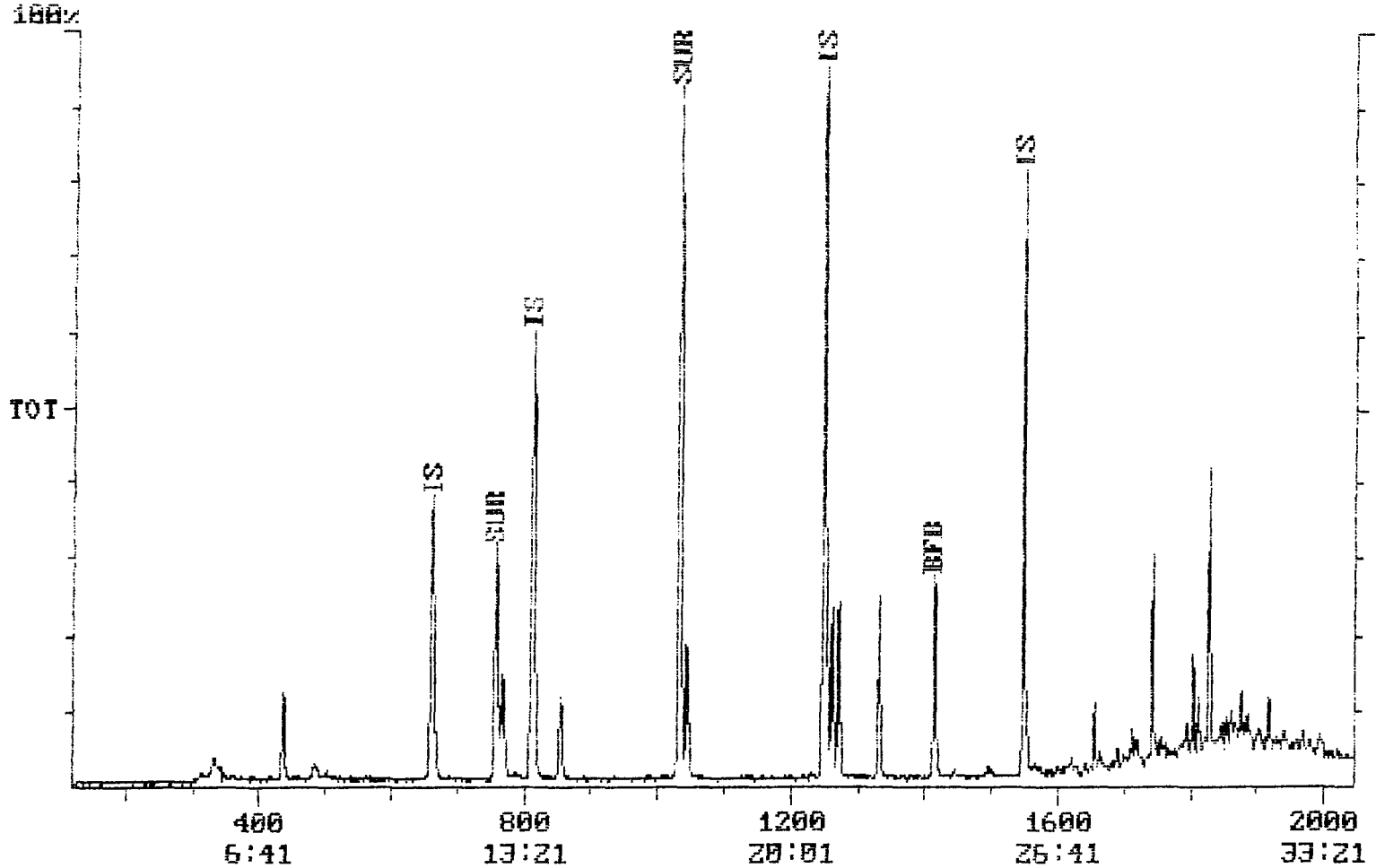


Quantitation Report Quarfile: 71020 Quan Entries: 25
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-SW-3488
Sorted via: Entry Number (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542	88,857
1.000	13:32	IS-1,4-DIFLUOROBENZENE	15.580	144,479
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	111,157
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	39,091
1.144	12:38	SUR-1,2-DICHLOROETHANE	92.835	83,115
1.272	17:13	SUR-TOLUENE,d8	102.198	230,853
1.132	23:34	SUR-BROMOFLUOROBENZENE	95.248	25,232
0.660	7:17	Acetone	1.633	802
0.944	12:47	Benzene	0.441	654
0.566	6:15	Bromomethane	0.155	506
0.980	25:15	sec-Butyl Benzene	0.198	116
0.729	8:03	Carbon Disulfide	0.308	1,639
0.990	10:56	Chloroform	0.079	66
1.025	26:25	1,2-Dichlorobenzene	0.265	35
0.994	25:37	1,4-Dichlorobenzene	0.347	68
1.011	21:03	Ethylbenzene	0.410	133
1.016	21:09	1,1,1,2-Tetrachloroeth	0.244	90
1.285	17:24	Toluene	0.322	483
1.155	29:45	1,2,3-Trichlorobenzene	0.000	26
1.122	28:54	1,2,4-Trichlorobenzene	0.067	70
0.958	24:41	1,2,4-Trimethylbenzene	0.441	49
1.065	22:11	ortho-Xylene	0.415	164
0.483	5:20	Chlorodifluoromethane	0.055	107
0.761	8:24	n-Propyl Alcohol	79.322	695
0.998	11:01	Methyl Acrylate	4.767	4,742

Clean

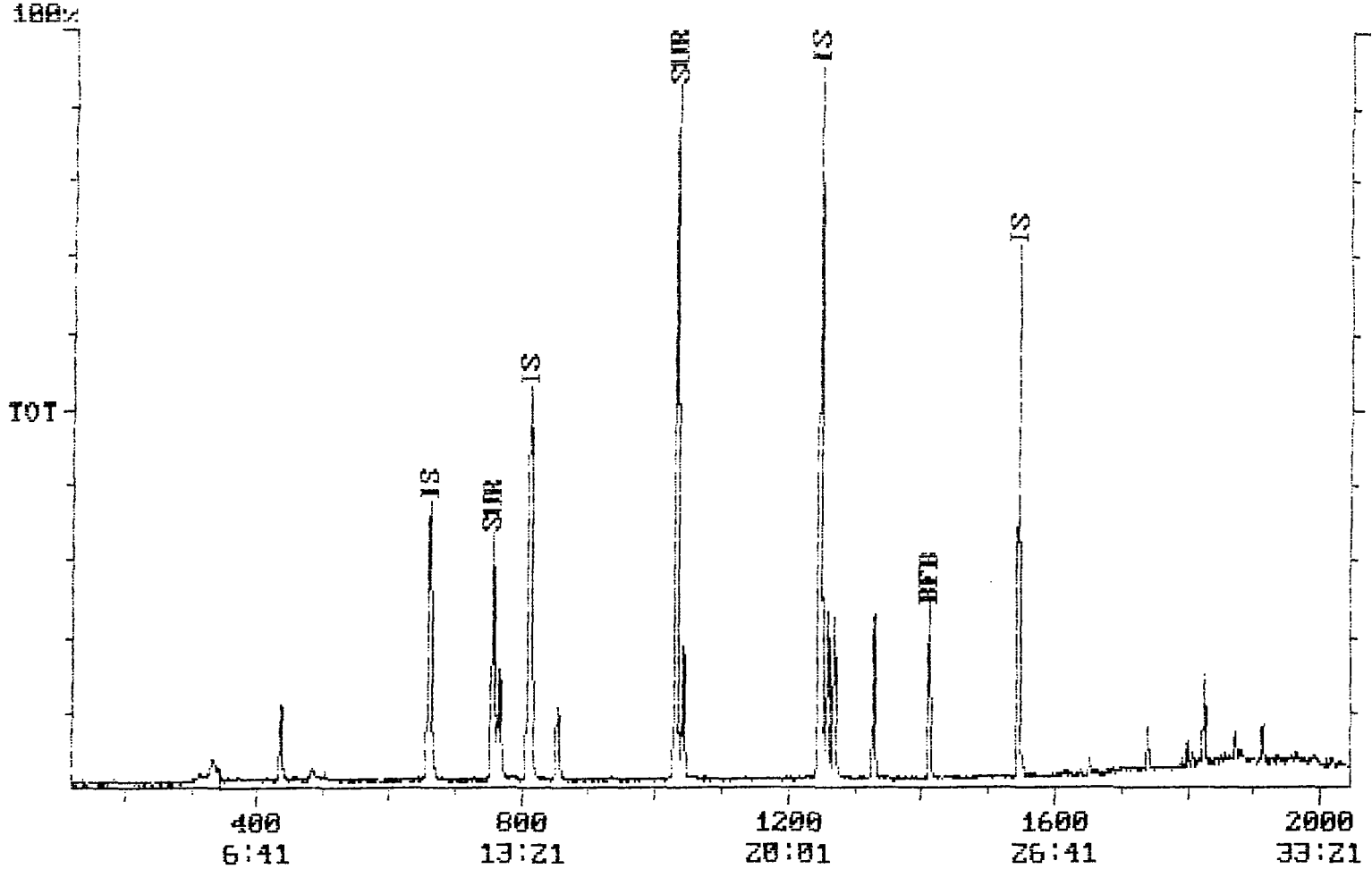
Chromatogram Plot C:\TM\DATA\MS71015 Date: 09/10/00 20:13:00
Comment: GW 5ml ECOLOGY & ENVIRONMENT MATRIX SPIKE
Scan No: 1080 Retention Time: 18:01 RIC: 1373 Mass Range: 30 - 253
Plotted: 121 to 2040 Range: 121 to 2040 100% = 124098



Quantitation Report Quanfile: MS71015 Quan Entries: 32
Comment: GW 5ml ECOLOGY & ENVIRONMENT MATRIX SPIKE
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)		Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542		87,805
1.000	13:32	IS-1,4-DIFLUOROBENZENE	15.580		146,453
1.000	20:49	IS-CHLOROBENZENE,d5	13.300		109,798
1.000	25:48	IS-1,4-DICHLOROBENZENE	9.918		43,836
1.145	12:38	SUR-1,2-DICHLOROETHANE	96.611		85,477
1.272	17:13	SUR-TOLUENE,d8	96.625		221,226
1.132	23:34	SUR-BROMOFLUOROBENZENE	97.030	mg/l	25,390
0.613	6:46	Acrolein	1.234		211
0.945	12:48	Benzene	2.369	0.0024	41,367
0.566	6:15	Bromomethane	0.060		294
0.963	24:51	tert-Butyl Benzene	0.083		261
0.731	8:04	Carbon Disulfide	0.430		2,917
1.004	20:54	Chlorobenzene	2.609	0.0026	26,767
0.987	10:54	Chloroform	0.086		139
0.516	5:42	Chloromethane	0.378		1,185
0.658	7:16	1,1-Dichloroethene	2.898	0.0029	29,182
0.586	6:28	Diethyl Ether	0.382		664
1.010	21:02	Ethylbenzene	2.187		51,544
1.105	23:01	Isopropyl Benzene	0.252		375
1.136	29:19	Naphthalene	0.437		2,006
1.021	21:16	1,1,1,2-Tetrachloroeth	0.235		32
0.916	23:39	1,1,2,2-Tetrachloroeth	0.361		152
1.286	17:25	Toluene	2.164	0.0022	48,663
1.052	14:15	Trichloroethene	2.368	0.0024	11,791
0.965	24:55	1,2,4-Trimethylbenzene	0.521		1,962
0.936	24:10	1,3,5-Trimethylbenzene	0.205		828
1.018	21:12	m+p-Xylenes	2.355		49,008
1.065	22:11	ortho-Xylene	2.351		48,494
0.486	5:22	Chlorodifluoromethane	0.047		39
0.761	8:24	n-Propyl Alcohol	67.096		580
1.003	11:04	Methyl Acrylate	3.275		2,924
1.047	27:01	Hexachloroethane	0.499		838

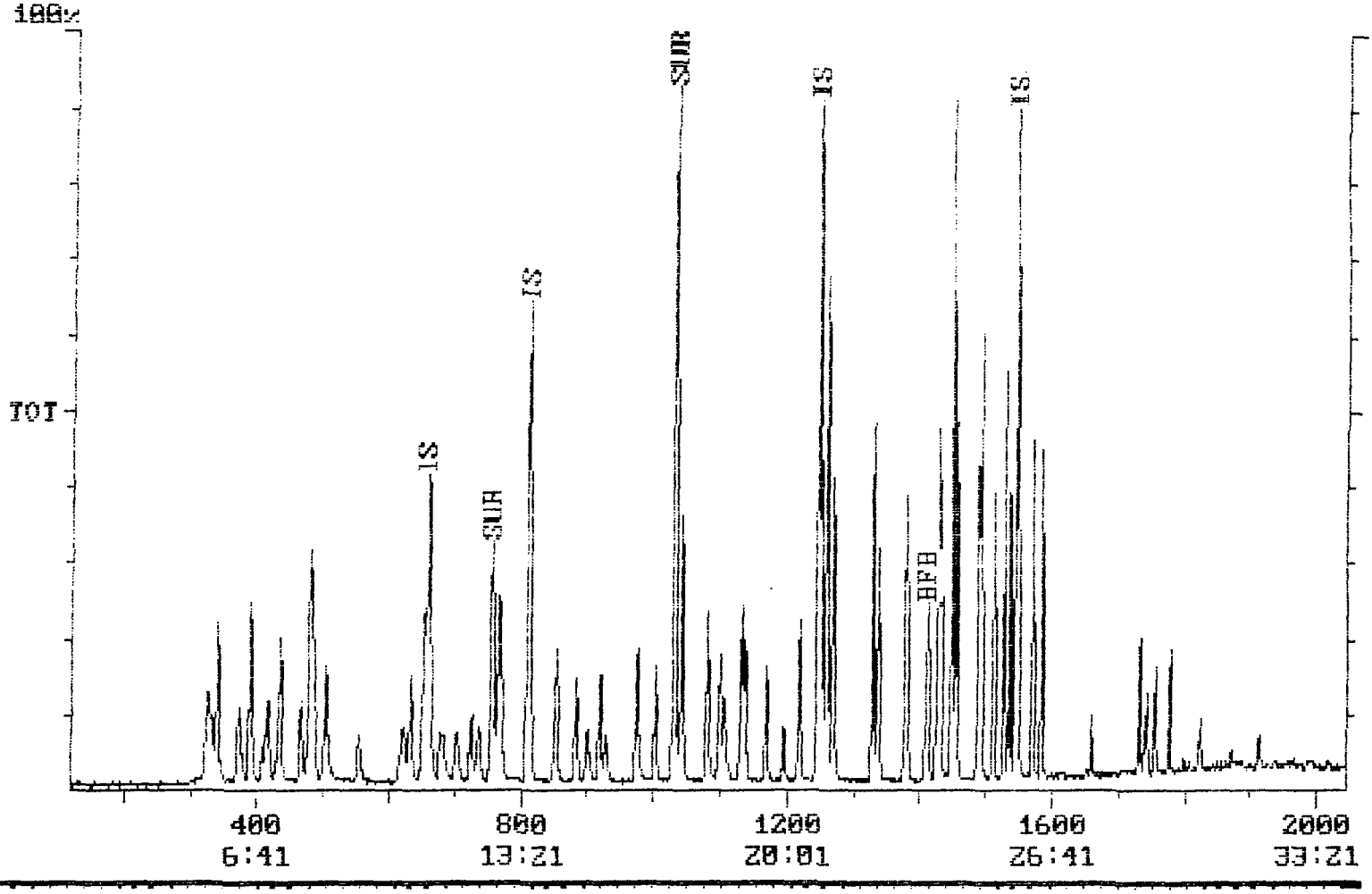
Chromatogram Plot C:\TM\DATA\DS71015 Date: 09/18/00 21:01:29
Comment: GW 5ml ECOLOGY & ENVIRONMENT DUPLICATE MATRIX SPIKE
Scan No: 1000 Retention Time: 18:01 RIC: 1267 Mass Range: 39 - 100
Plotted: 121 to 2040 Range: 121 to 2040 100% = 129578



Quantitation Report Quanfile: DS71015 Quan Entries: 38
Comment: GW 5ml ECOLOGY & ENVIRONMENT DUPLICATE MATRIX SPIKE
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)		Peak Area
1.000	11:02	IS-PENTAFLUOROBENZENE	15.542		89,719
1.000	13:32	IS-1,4-DIFLUOROBENZENE	15.580		143,647
1.000	20:47	IS-CHLOROBENZENE,d5	13.300		123,721
1.000	25:46	IS-1,4-DICHLOROBENZENE	9.918		38,005
1.145	12:38	SUR-1,2-DICHLOROETHANE	93.219		84,269
1.270	17:12	SUR-TOLUENE,d8	106.696		239,643
1.133	23:33	SUR-BROMOFLUOROBENZENE	90.268	mg/l	26,615
0.945	12:48	Benzene	2.454	0.0025	42,320
0.566	6:15	Bromomethane	0.156		513
0.978	25:12	sec-Butyl Benzene	0.206		248
0.731	8:04	Carbon Disulfide	0.487		3,603
1.004	20:52	Chlorobenzene	2.491	0.0025	28,604
0.989	10:55	Chloroform	0.094		244
1.068	27:32	1,2-Dibromo-3-Chloropr	0.451		80
0.939	24:13	t-1,4-Dichloro-2-Buten	0.579		32
0.658	7:16	1,1-Dichloroethene	2.756	0.0028	28,263
1.237	16:45	c-1,3-Dichloropropene	0.329		19
1.011	21:01	Ethylbenzene	2.008		52,246
1.142	29:26	Hexachlorobutadiene	0.000		40
1.106	23:00	Isopropyl Benzene	0.246		286
0.986	25:25	p-Isopropyltoluene	0.121		318
0.945	10:26	Methyl Ethyl Ketone	0.699		477
1.137	29:18	Naphthalene	0.253		460
0.924	23:50	n-Propyl Benzene	0.239		190
1.031	21:26	1,1,1,2-Tetrachloroeth	0.256		186
1.285	17:24	Toluene	2.170	0.0022	47,896
1.140	29:23	1,2,3-Trichlorobenzene	0.000		56
1.060	11:42	1,1,1-Trichloroethane	0.205		29
1.051	14:14	Trichloroethene	2.294	0.0023	11,141
0.966	24:54	1,2,4-Trimethylbenzene	0.469		619
0.933	24:03	1,3,5-Trimethylbenzene	0.188		419
1.018	21:10	m+p-Xylenes	2.135		49,997
1.066	22:10	ortho-Xylene	2.115		48,017
0.917	12:25	n-Butyl Alcohol	2.479		100
0.494	5:27	Chlorodifluoromethane	0.070		231
0.628	6:56	Isopropyl Alcohol	10.567		1,099
0.778	8:35	n-Propyl Alcohol	6.511		52
1.003	11:04	Methyl Acrylate	4.301		4,225

Chromatogram Plot C:\TM\DATA\FB0918-1 Date: 09/18/00 21:49:51
Comment: DI LABORATORY FORTIFIED BLANK
Scan No: 1000 Retention Time: 18:01 RIC: 28248 Mass Range: 35 - 114
Plotted: 121 to 2040 Range: 121 to 2040 100% = 123458



EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS

QC Description: Lab Fortified Blank
Client Name:
EIS Lab Numbers:
Date Analyzed: Sep-18-2000 21:49

Initial Calibration Date: 06-28-00
Analysis Methods: 624, 8260, 524.2
Concentration Units: ug/l

SURROGATE RESPONSES	% Rec	QA/QC Limits
1,2-Dichloroethane,d4	94	76-114
Toluene,d8	99	88-110
Bromofluorobenzene	107	86-115

SAMPLE RESULTS

Parameter	Concentration True	Concentration Found	Rec. %
Acetone	27.96	25.658	92
Acrolein	27.32	24.950	91
Acrylonitrile	23.36	22.293	95
Benzene	4.88	3.437	70
Bromobenzene	3.44	2.392	70
Bromochloromethane	3.08	2.561	83
Bromoethane			
Bromodichloromethane	4.88	3.492	72
Bromoform	7.08	5.443	77
Bromomethane	8.16	8.410	103
n-Butyl Benzene	4.92	3.535	72
sec-Butyl Benzene	4.88	3.104	64
tert-Butyl Benzene	4.48	3.095	69
Carbon Disulfide	4.72	3.827	81
Carbon Tetrachloride	2.92	2.309	79
Chlorobenzene	5.24	4.414	84
Chlorodibromomethane	5.04	3.593	71
Chloroethane	8.84	6.731	76
2-Chloroethylvinyl Ether			
Chloroform	6.04	4.599	76
1-Chlorohexane	4.36	3.437	79
Chloromethane	10.68	7.834	73
2-Chlorotoluene	5.24	3.305	63
4-Chlorotoluene	5.36	3.774	70
Cyclohexanone			
1,2-Dibromo-3-Chloropropane	9.08	5.781	64
1,2-Dibromoethane	5.16	4.525	88
1,2-Dibromoethene			
1,2-Dibromoethene			
Dibromomethane	3.12	2.579	83
1,2-Dichlorobenzene	5.56	3.998	72
1,3-Dichlorobenzene	4.80	3.318	69
1,4-Dichlorobenzene	4.32	3.321	77
t-1,4-Dichloro-2-Butene			
Dichlorodifluoromethane	8.28	6.014	73
1,1-Dichloroethane	4.36	3.459	79
1,2-Dichloroethane	5.16	4.081	79
1,1-Dichloroethene	5.44	4.048	74

EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS
Lab Fortified Blank
Sep-18-2000 21:49

Parameter	Concentration True	Concentration Found	Rec. %
c-1,2-Dichloroethene	4.84	3.617	75
t-1,2-Dichloroethene	4.28	3.015	70
Dichlorofluoromethane			
1,2-Dichloropropane	4.72	4.614	98
1,3-Dichloropropane	5.20	3.917	75
2,2-Dichloropropane	3.84	2.447	64
1,1-Dichloropropene	4.48	3.055	68
c-1,3-Dichloropropene	5.04	3.587	71
t-1,3-Dichloropropene	5.08	3.501	69
Diethyl Ether	4.40	3.817	87
Ethylbenzene	4.92	3.725	76
Ethyl Methacrylate	5.76	5.017	87
n-Heptane			
Hexachlorobutadiene	2.52	1.738	69
2-Hexanone	22.16	18.246	82
Iodomethane			
Isopropyl Benzene	4.64	3.592	77
p-Isopropyltoluene	4.76	3.312	70
Methylene Chloride	6.48	7.997	123
Methyl Ethyl Ketone	21.72	18.440	85
Methyl Isobutyl Ketone	21.24	17.552	83
Methyl Methacrylate	6.08	5.710	94
Naphthalene	3.80	2.967	78
Nitrobenzene			
n-Propyl Benzene	4.96	3.626	73
Styrene	5.08	2.958	58
tert-Butyl Methyl Ether	4.72	3.483	74
1,1,1,2-Tetrachloroethane	5.12	3.745	73
1,1,2,2-Tetrachloroethane	3.36	2.492	74
Tetrachloroethene	4.68	3.416	73
Tetrahydrofuran	32.84	28.009	85
Toluene	4.76	3.568	75
1,2,3-Trichlorobenzene	3.56	2.504	70
1,2,4-Trichlorobenzene	3.52	2.204	63
1,1,1-Trichloroethane	2.68	2.088	78
1,1,2-Trichloroethane	5.40	4.033	75
Trichloroethene	4.48	3.504	78
Trichlorofluoromethane	9.12	6.039	66
1,2,3-Trichloropropane	5.72	4.376	77
1,1,2-Trichlorotrifluoroethane	4.80	3.044	63
1,2,4-Trimethylbenzene	5.04	3.201	64
1,3,5-Trimethylbenzene	4.80	3.489	73
Vinyl Acetate			
Vinyl Chloride	8.68	6.265	72
m+p-Xylenes	4.68	4.061	87
ortho-Xylene	5.08	4.002	79
Acetonitrile			

Sequence 9-19-00

VOC/ITD ANALYSIS SEQUENCE (continued) OK 9-22-00 BD

Date 9-19-00 Analyst jw

DATAFILE (EIS#)	PTA-30 POS.#	Dilution/Sample Description/Client	Date Reduced (X)	Archive Tape #
DI0919-1	BFB	5 ml DIW Blank	X	
[redacted]		1	X	
ST0919-1		Detection Limit Daily Ck Std 0.5 ppb	X	
CC0919-1		Daily Ck Std	X	
[redacted]		5 ml [redacted] Fire Hose	X	
[redacted]		1/10 [redacted] 2000-1312	X	
[redacted]	BFB	1 1 2000-1316	X	
71021		5 ml Ecology + Envir. DW-EW-3417	X	
71022		DW-EW-306	X	
71023		DW-Blank	X	
71024		DW-BR-950	X	
71025	1	DW-EW-3468	X	
[redacted]	2	[redacted] PWS ID# 2710884		X
[redacted]	3	1 Trip Blank	X	
FB0919-1	4	Laboratory Fortified Blank	X	
	—			
		Reduced 9-22-00		

All samples, blanks, and standards use 1.9 ul IS/SUR and 5 ml purge volume. When dilutions are done, the volume purged is 5 ml. See the "VOC/MS Operating Conditions and Maintenace Log" book for operating conditions. A blank must be analyzed at the beginning of each day. A Continuing Calibration Check Standard (CC) must be run, and an acceptable BFB spectrum must be obtained, before any sample analysis. The BFB spectrum may be taken from a standard or a blank chromatogram. After 10 samples, or 12 hours, whichever comes FIRST, the CC and BFB must be repeated if sample analysis is to continue. If there are 3 to 20 samples in the batch being analyzed, one set of a spike and duplicate spike must be run. If there are more than 20 samples, a new batch must be started on a new page, beginning with the required QC. If any Drinking Waters are in the batch, a Detection Limit Check Standard (DD) must be run at a concentration of 0.5 ppb, including Vinyl Chloride.

MATRIX SPIKE	Matrix Spike Stock Prep. Date 6-13-00 Stock Dilution (if any) 1/50 ul spiked into sample 5 Volume of Sample 43 ml no sample dilution before or after spiking

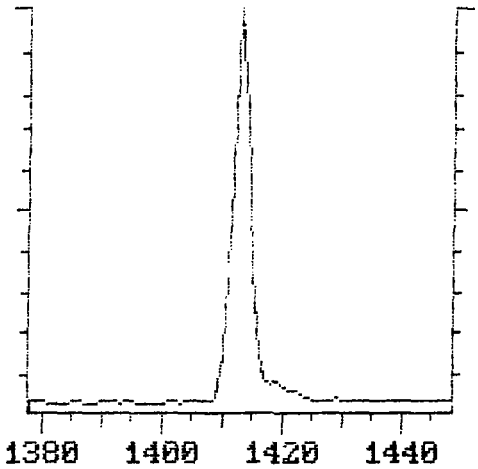
COMMENTS:

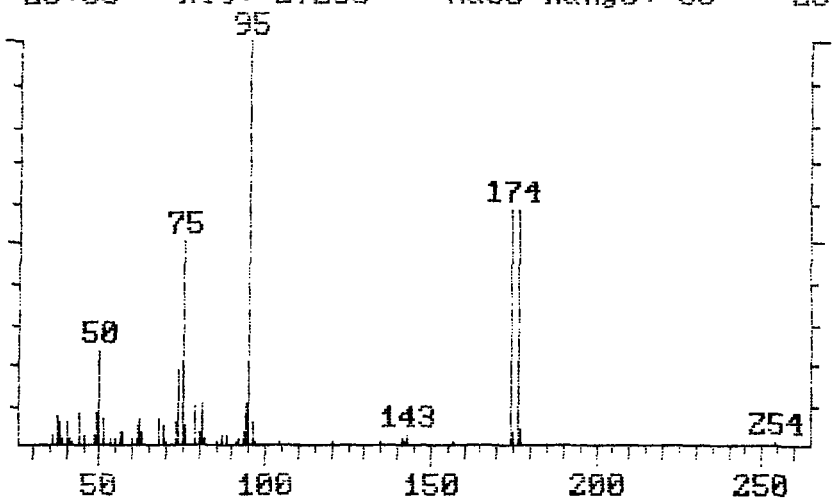
INTERNAL STANDARD
AREA AND RETENTION TIME SUMMARY
9-19-00

DATE	FILE NAME	IS#1 AREA	IS#2 AREA	IS#3 AREA	IS#4 AREA	IS#1 RT	IS#2 RT	IS#3 RT	IS#4 RT
6/28/00	Initial Calib.	89488	146483	109977	41996	11:18	13:47	20:45	25:50
Lower Limit:		44744	73242	54989	20998	10:48	13:17	20:15	25:20
Upper Limit:		178976	292966	219954	83992	11:48	14:47	21:15	26:20
9/19/00	DI0919-1	84973	153565	118698	42183	11:03	13:33	20:49	25:47
9/19/00	[redacted]	84453	143345	105430	37588	11:04	13:33	20:48	25:44
9/19/00	ST0919-1	86933	141952	106153	37642	11:00	13:31	20:48	25:44
9/19/00	CC0919-1	86398	142277	118226	39422	11:01	13:31	20:48	25:44
9/19/00	71021	86312	137319	105406	40601	11:00	13:30	20:47	25:47
9/19/00	71022	81064	134070	103639	35510	11:02	13:33	20:48	25:44
9/19/00	71023	84982	138482	103055	38258	11:00	13:31	20:47	25:43
9/19/00	71024	85109	140609	108197	35578	11:00	13:31	20:48	25:45
9/19/00	71025	80751	136904	103911	41424	11:01	13:31	20:47	25:46
9/19/00	FB0919-1	80554	137819	99341	39355	10:57	13:28	20:46	25:46

FILE: DI0919-1 BFB TUNING REPORT Date: Sep-19-2000 07:47:04

Scan No: 1412 Retention Time: 23:33 RIC: 27230 Mass Range: 36 - 254





MASS (m/z)	INTENSITY	REQUIRED RELATIVE ABUNDANCE (%)	REL.ABUNDANCE TO APPROPRIATE PEAK	STATUS
50	1344	15 to 40% of mass 95	23.12	OK
75	2910	30 to 60% of mass 95	50.05	OK
95	5814	base peak, 100% relative abundance	100.00	OK
96	315	5 to 9% of mass 95	5.42	OK
173	0	less than 2% of mass 174	0.00	OK
174	3400	greater than 50% of mass 95	58.48	OK
175	184	5 to 9% of mass 174	5.41	OK
176	3393	>95% but <101% of mass 174	99.79	OK
177	224	5 to 9% of mass 176	6.60	OK

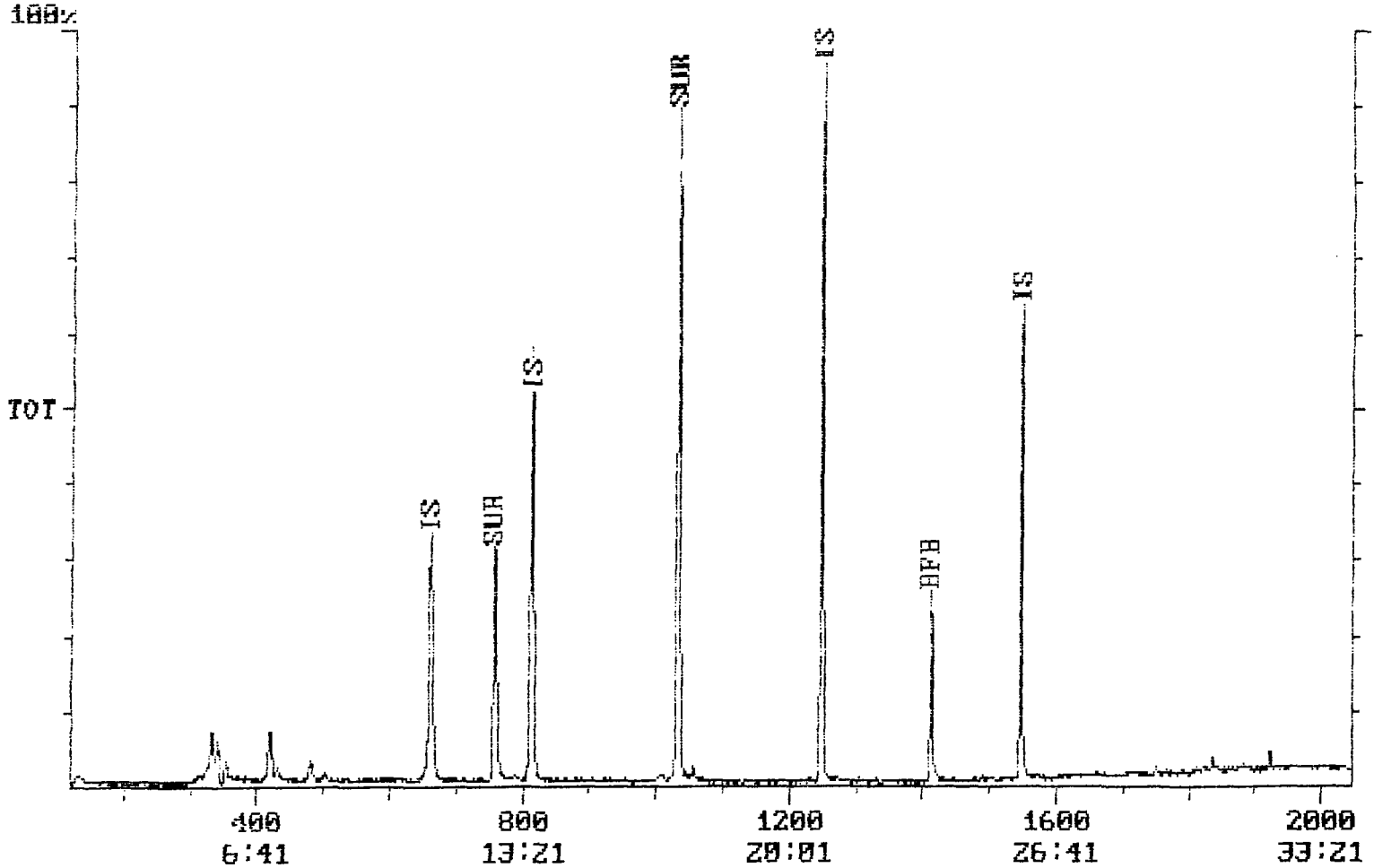
DI0919-1 DI 5ml WATER METHOD BLANK

Chromatogram Plot C:\TM\DATA\DI0919-1 Date: 09/19/00 07:47:04

Comment: DI 5ml WATER METHOD BLANK

Scan No: 1000 Retention Time: 10:01 RIC: 885 Mass Range: 39 - 181

Plotted: 121 to 2040 Range: 121 to 2040 100% = 143079



Quantitation Report Quanfile: DI0919-1 Quan Entries: 34
Comment: DI 5ml WATER METHOD BLANK
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:03	IS-PENTAFLUOROBENZENE	15.542	84,973
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	153,565
1.000	20:49	IS-CHLOROBENZENE,d5	13.300	118,698
1.000	25:47	IS-1,4-DICHLOROBENZENE	9.918	42,183
1.144	12:39	SUR-1,2-DICHLOROETHANE	114.437	98,010
1.271	17:14	SUR-TOLUENE,d8	96.048	230,582
1.132	23:34	SUR-BROMOFLUOROBENZENE	94.086	26,615
0.651	7:12	Acetone	16.839	9,877
0.624	6:54	Acrolein	4.240	734
0.945	12:49	Benzene	0.503	2,066
1.132	15:21	Bromodichloromethane	0.368	243
0.564	6:14	Bromomethane	0.242	668
0.966	24:55	sec-Butyl Benzene	0.215	430
0.570	6:18	Chloroethane	0.331	106
0.987	10:55	Chloroform	0.589	5,889
0.515	5:42	Chloromethane	1.881	8,567
1.027	26:29	1,2-Dichlorobenzene	0.267	58
0.994	25:38	1,4-Dichlorobenzene	0.343	34
1.010	21:02	Ethylbenzene	0.416	351
1.300	17:37	Ethyl Methacrylate	1.052	2,804
1.136	29:18	Hexachlorobutadiene	0.000	34
0.992	25:36	p-Isopropyltoluene	0.103	40
0.727	8:02	Methylene Chloride	0.843	10,214
1.142	29:27	Naphthalene	0.237	394
1.286	17:26	Toluene	0.365	1,694
1.155	29:48	1,2,3-Trichlorobenzene	0.000	177
1.126	29:02	1,2,4-Trichlorobenzene	0.060	46
0.597	6:36	Trichlorofluoromethane	0.418	55
0.922	23:47	1,2,3-Trichloropropane	0.481	233
0.966	24:53	1,2,4-Trimethylbenzene	0.457	430
0.937	24:10	1,3,5-Trimethylbenzene	0.171	128
1.018	21:12	m+p-Xylenes	0.064	733
1.066	22:12	ortho-Xylene	0.434	675
0.892	9:52	Chloroprene	0.279	121

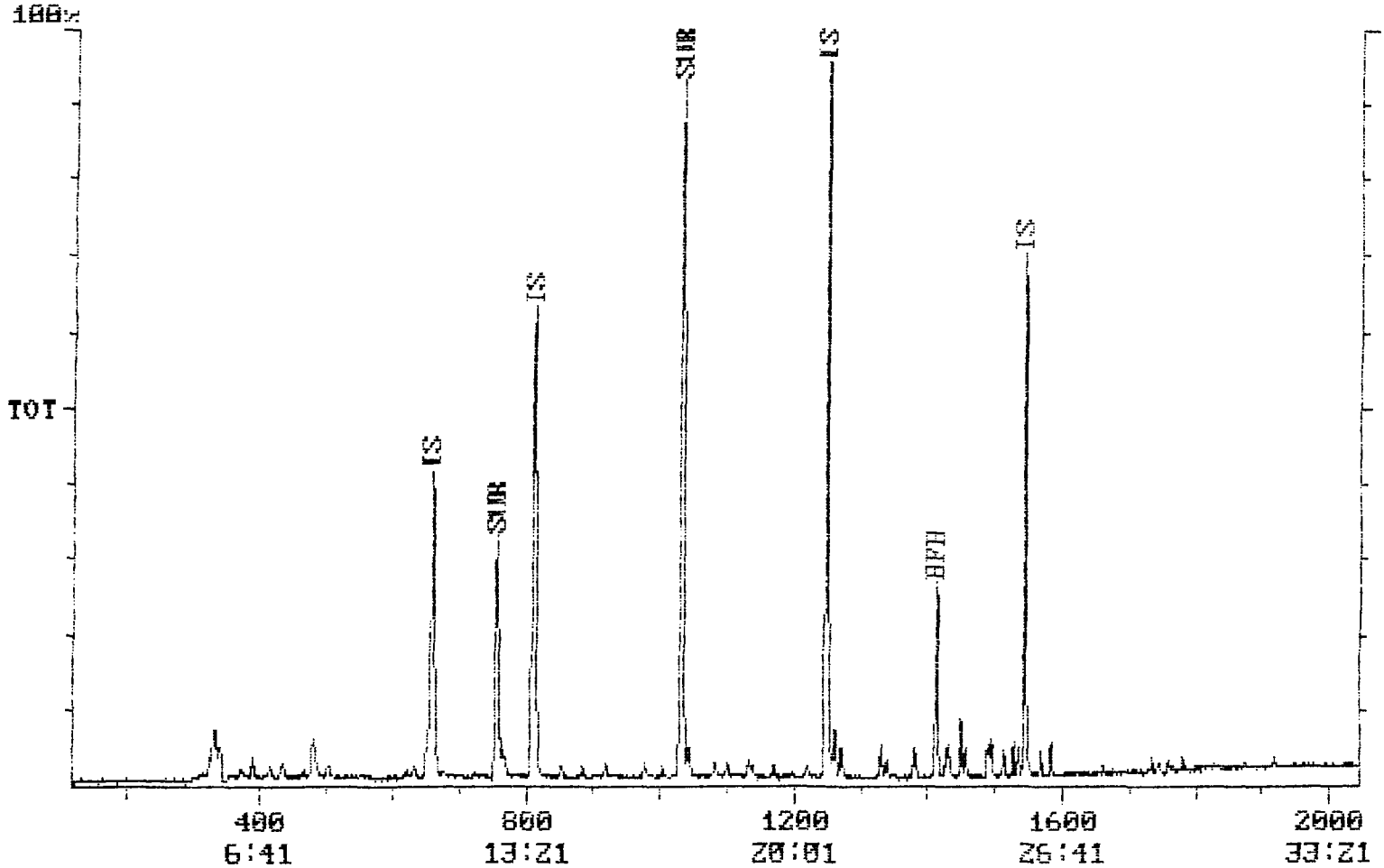
ST0919-1 DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/L

Chromatogram Plot C:\TM\DATA\ST0919-1 Date: 09/19/00 09:27:00

Comment: DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/L

Scan No: 1080 Retention Time: 10:01 RIC: 2590 Mass Range: 35 - 181

Plotted: 121 to 2040 Range: 121 to 2040 100% = 111026



DETECTION LIMIT DAILY CHECK STANDARD

units are micrograms per liter

	TARGET	ST0919-1	% REC
DI DETECTION LIMIT CHECK STANDARD - TARGET LIST VOC at 0.5 ug/l			
Acetone	3.146	4.1	130%
Acrolein	3.074	2.194	71%
Acrylonitrile	2.628	2.143	82%
Benzene	0.549	0.743	135%
Bromobenzene	0.387	0.573	148%
Bromochloromethane	0.347	0.513	148%
Bromoethane			
Bromodichloromethane	0.549	0.7	128%
Bromoform	0.797	0.706	89%
Bromomethane	0.918	0.907	99%
n-Butyl Benzene	0.554	0.519	94%
sec-Butyl Benzene	0.549	0.495	90%
tert-Butyl Benzene	0.504	0.408	81%
Carbon Disulfide	0.531	0.505	95%
Carbon Tetrachloride	0.329	0.525	160%
Chlorobenzene	0.590	0.65	110%
Chlorodibromomethane	0.567	0.665	117%
Chloroethane	0.995	0.763	77%
2-Chloroethylvinyl Ether			
Chloroform	0.680	0.967	142%
1-Chlorohexane	0.491	0.523	107%
Chloromethane	1.202	1.015	84%
2-Chlorotoluene	0.590	0.564	96%
4-Chlorotoluene	0.603	0.617	102%
Cyclohexanone			
1,2-Dibromo-3-Chloropropane	1.022	1.252	123%
1,2-Dibromoethane	0.581	0.614	106%
1,2-Dibromoethene			
Dibromomethane	0.351	0.533	152%
1,2-Dichlorobenzene	0.626	0.706	113%
1,3-Dichlorobenzene	0.540	0.555	103%
1,4-Dichlorobenzene	0.486	0.69	142%
t-1,4-Dichloro-2-Butene			
Dichlorodifluoromethane	0.932	0.907	97%
1,1-Dichloroethane	0.491	0.499	102%
1,2-Dichloroethane	0.581	0.562	97%
1,1-Dichloroethene	0.612	0.531	87%
c-1,2-Dichloroethene	0.545	0.64	118%
t-1,2-Dichloroethene	0.482	0.466	97%
Dichlorofluoromethane			
1,2-Dichloropropane	0.531	0.559	105%
1,3-Dichloropropane	0.585	0.436	75%
2,2-Dichloropropane	0.432	0.504	117%

DETECTION LIMIT DAILY CHECK STANDARD
units are micrograms per liter

		TARGET	ST0919-1	% REC
	1,1-Dichloropropene	0.504	0.409	81%
	c-1,3-Dichloropropene	0.567	0.614	108%
	t-1,3-Dichloropropene	0.572	0.692	121%
	Diethyl Ether	0.495	0.631	127%
	Ethylbenzene	0.554	0.681	123%
	Ethyl Methacrylate	0.648	0.807	125%
	n-Heptane			
<50%	Hexachlorobutadiene	0.284	0.117	41%
	2-Hexanone	2.493	1.864	75%
	Iodomethane			
	Isopropyl Benzene	0.522	0.528	101%
	p-Isopropyltoluene	0.536	0.379	71%
	Methylene Chloride	0.729	1.225	168%
	Methyl Ethyl Ketone	2.444	2.019	83%
	Methyl Isobutyl Ketone	2.390	2.257	94%
	Methyl Methacrylate	0.684	0.898	131%
	Naphthalene	0.428	0.5	117%
	Nitrobenzene			
	n-Propyl Benzene	0.558	0.599	107%
	Styrene	0.572	0.603	106%
	tert-Butyl Methyl Ether	0.531	0.651	123%
	1,1,1,2-Tetrachloroethane	0.576	0.568	99%
	1,1,2,2-Tetrachloroethane	0.378	0.585	155%
	Tetrachloroethene	0.527	0.591	112%
	Tetrahydrofuran	3.695	2.783	75%
	Toluene	0.536	0.627	117%
<70%	1,2,3-Trichlorobenzene	0.401	0.232	58%
	1,2,4-Trichlorobenzene	0.396	0.303	77%
	1,1,1-Trichloroethane	0.302	0.387	128%
	1,1,2-Trichloroethane	0.608	0.584	96%
	Trichloroethene	0.504	0.625	124%
	Trichlorofluoromethane	1.026	0.932	91%
	1,2,3-Trichloropropane	0.644	0.979	152%
<70%	1,1,2-Trichlorotrifluoroethane	0.540	0.371	69%
	1,2,4-Trimethylbenzene	0.567	0.737	130%
	1,3,5-Trimethylbenzene	0.540	0.503	93%
	Vinyl Acetate			
	Vinyl Chloride	0.977	0.895	92%
	m+p-Xylenes	0.527	0.406	77%
	ortho-Xylene	0.572	0.738	129%
	Allyl Chloride	0.477	0.484	101%

1 Compounds <50% recovery.
3% with <70% recovery.

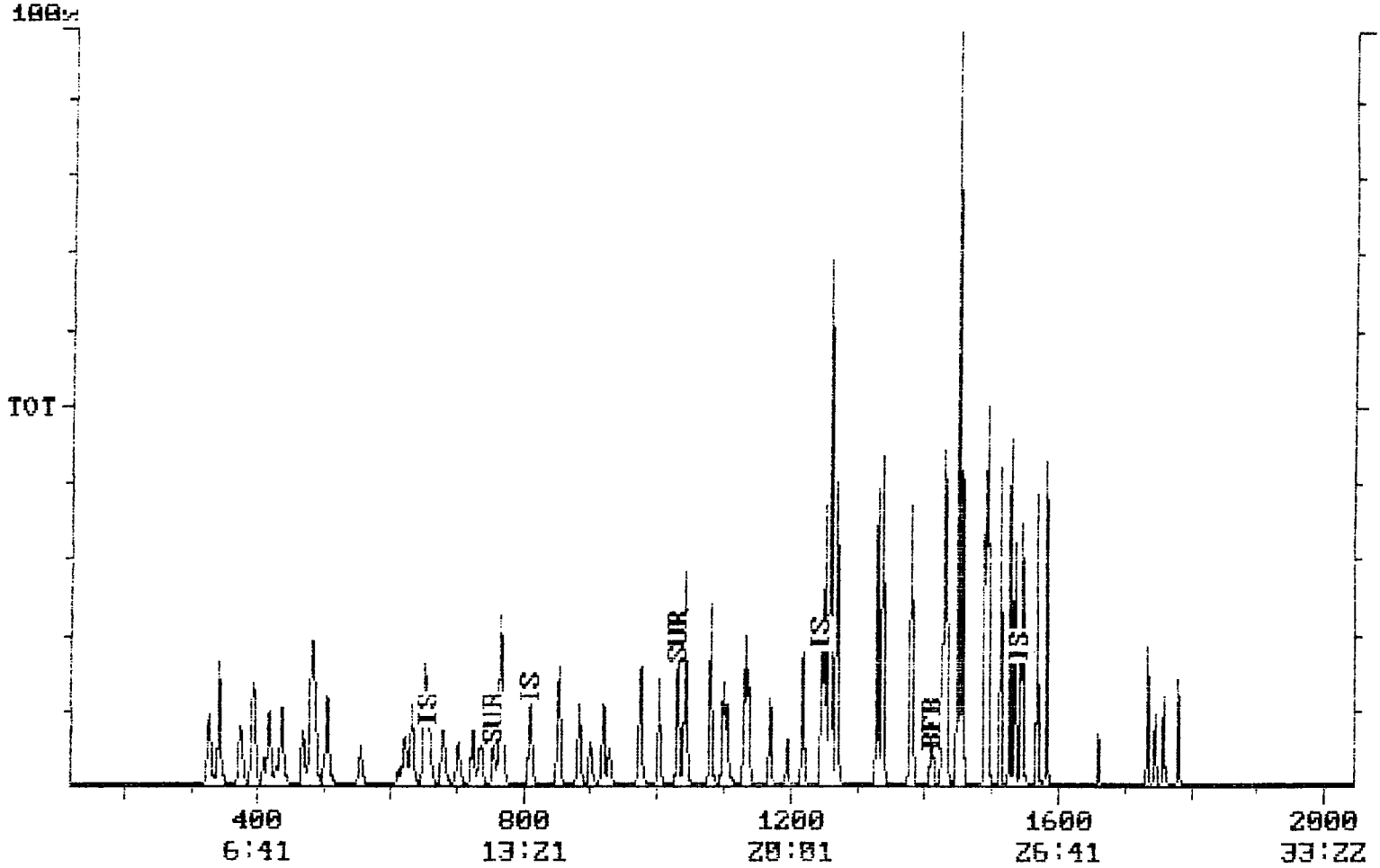
CC0919-1 DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC

Chromatogram Plot C:\TM\DATA\CC0919-1 Date: 09/19/00 10:14:21

Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC

Scan No: 1000 Retention Time: 10:01 RIC: 164222 Mass Range: 35 - 114

Plotted: 121 to 2040 Range: 121 to 2040 100% = 686515



EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS

QC Description: Continuing Calibration
Client Name:
EIS Lab Numbers:
Date Analyzed: Sep-19-2000 10:14

Initial Calibration Date: 06-28-00
Analysis Methods: 624, 8260, 524.2
Concentration Units: ug/l

SURROGATE RESPONSES	% Rec	QA/QC Limits
1,2-Dichloroethane,d4	92	76-114
Toluene,d8	99	88-110
Bromofluorobenzene	114	86-115

SAMPLE RESULTS

Parameter	Concentration True	Concentration Found	REC. %	% DIF (DRIFT)	Response Factor Initial	Response Factor Found
8 Acetone	104.9	105.2	100	0.3		
9 Acrolein	102.5	96.2	94	6.2		
10 Acrylonitrile	87.6	88.9	101	1.4		
11 Benzene	18.3	16.0	88	12.4		
12 Bromobenzene	12.9	11.3	88	12.4		
13 Bromochloromethane	11.6	10.3	89	10.8		
14 Bromoethane						
15 Bromodichloromethane	18.3	13.7	75	25.2 >20		
16 Bromoform	26.6	21.9	82	17.6	0.345	0.268 **
17 Bromomethane	30.6	28.8	94	5.8		
18 n-Butyl Benzene	18.5	21.3	115	15.3		
19 sec-Butyl Benzene	18.3	18.5	101	1.0		
20 tert-Butyl Benzene	16.8	17.8	106	5.9		
21 Carbon Disulfide	17.7	17.8	101	0.8		
22 Carbon Tetrachloride	11.0	9.3	84	15.6		
23 Chlorobenzene	19.7	19.2	97	2.6	1.247	1.363 **
24 Chlorodibromomethane	18.9	13.7	72	27.6 >20		
25 Chloroethane	33.2	30.5	92	8.2		
26 2-Chloroethylvinyl Ether						
27 Chloroform	22.7	19.0	84	16.3	DRIFT < = 20	*
28 1-Chlorohexane	16.4	14.8	90	9.7		
29 Chloromethane	40.1	33.8	84	15.6	0.850	0.757 **
30 2-Chlorotoluene	19.7	19.8	100	0.3		
31 4-Chlorotoluene	20.1	22.0	110	9.6		
32 Cyclohexanone						
33 1,2-Dibromo-3-Chloropropane	34.1	34.6	101	1.4		
34 1,2-Dibromoethane	19.4	17.6	91	9.1		
35 1,2-Dibromoethene						
36 1,2-Dibromoethene						
37 Dibromomethane	11.7	10.1	86	14.1		
38 1,2-Dichlorobenzene	20.9	22.8	109	9.3		
39 1,3-Dichlorobenzene	18.0	16.5	92	8.3		
40 1,4-Dichlorobenzene	16.2	16.3	101	0.5		
41 t-1,4-Dichloro-2-Butene						
42 Dichlorodifluoromethane	31.1	27.4	88	11.8		
43 1,1-Dichloroethane	16.4	14.5	88	11.6	1.094	1.021 **
44 1,2-Dichloroethane	19.4	19.0	98	2.0		
45 1,1-Dichloroethene	20.4	17.6	86	13.8	DRIFT < = 20	*
46 c-1,2-Dichloroethene	18.2	15.6	85	14.5		
47 t-1,2-Dichloroethene	16.1	13.8	86	14.1		
48 Dichlorofluoromethane						

EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS
Continuing Calibration
Sep-19-2000 10:14

Parameter	Concentration True	Concentration Found	REC. %	% DIF (DRIFT)	Response Factor Initial	Response Factor Found	
49 1,2-Dichloropropane	17.7	16.2	91	8.6	DRIFT < = 20		*
50 1,3-Dichloropropane	19.5	18.7	96	4.3			
51 2,2-Dichloropropane	14.4	12.0	83	17.0			
52 1,1-Dichloropropene	16.8	13.6	81	18.9			
53 c-1,3-Dichloropropene	18.9	17.1	91	9.5			
54 t-1,3-Dichloropropene	19.1	19.9	104	4.0			
55 Diethyl Ether	16.5	16.6	100	0.3			
56 Ethylbenzene	18.5	17.1	93	7.3	DRIFT < = 20		*
57 Ethyl Methacrylate	21.6	25.0	116	15.7			
58 n-Heptane							
59 Hexachlorobutadiene	9.5	9.9	104	3.8			
60 2-Hexanone	83.1	83.7	101	0.7			
61 Iodomethane							
62 Isopropyl Benzene	17.4	16.4	94	5.5			
63 p-Isopropyltoluene	17.9	16.1	90	10.2			
64 Methylene Chloride	24.3	21.9	90	9.9			
65 Methyl Ethyl Ketone	81.5	78.2	96	4.1			
66 Methyl Isobutyl Ketone	79.7	81.9	103	2.8			
67 Methyl Methacrylate	22.8	22.1	97	3.2			
68 Naphthalene	14.3	15.0	105	4.8			
69 Nitrobenzene							
70 n-Propyl Benzene	18.6	21.0	113	12.9			
71 Styrene	19.1	18.6	97	2.7			
72 tert-Butyl Methyl Ether	17.7	16.3	92	8.1			
73 1,1,1,2-Tetrachloroethane	19.2	17.4	91	9.1			
74 1,1,2,2-Tetrachloroethane	12.6	11.8	94	6.3	1.001	0.999	**
75 Tetrachloroethene	17.6	14.5	82	17.9			
76 Tetrahydrofuran	123.2	123.9	101	0.6			
77 Toluene	17.9	16.1	90	9.9	DRIFT < = 20		*
78 1,2,3-Trichlorobenzene	13.4	15.7	117	17.0			
79 1,2,4-Trichlorobenzene	13.2	13.1	99	0.6			
80 1,1,1-Trichloroethane	10.1	9.1	90	9.9			
81 1,1,2-Trichloroethane	20.3	18.0	89	11.2			
82 Trichloroethene	16.8	14.8	88	12.2			
83 Trichlorofluoromethane	34.2	29.3	86	14.3			
84 1,2,3-Trichloropropane	21.5	23.1	107	7.3			
85 1,1,2-Trichlorotrifluoroeth	18.0	14.8	82	17.8			
86 1,2,4-Trimethylbenzene	18.9	17.8	94	5.6			
87 1,3,5-Trimethylbenzene	18.0	22.3	124	24.1 >20			
88 Vinyl Acetate							
89 Vinyl Chloride	32.6	29.8	91	8.5	DRIFT < = 20		*
90 m+p-Xylenes	17.6	18.5	105	5.1			
91 ortho-Xylene	19.1	16.1	84	15.7			
92 Acetonitrile							
93 Allyl Chloride	15.9	15.3	96	4.0			

* Calibration Check Compound (CCC) with maximum % DRIFT = 20%
** System Performance Check Compound (SPCC) with minimum RF as follows:
Chloromethane and 1,1-Dichloroethane 0.10, Bromoform >0.10
Chlorobenzene and 1,1,2,2-Tetrachloroethane 0.30
(8260 REV 1. Sept 94, in use 4/12/95)

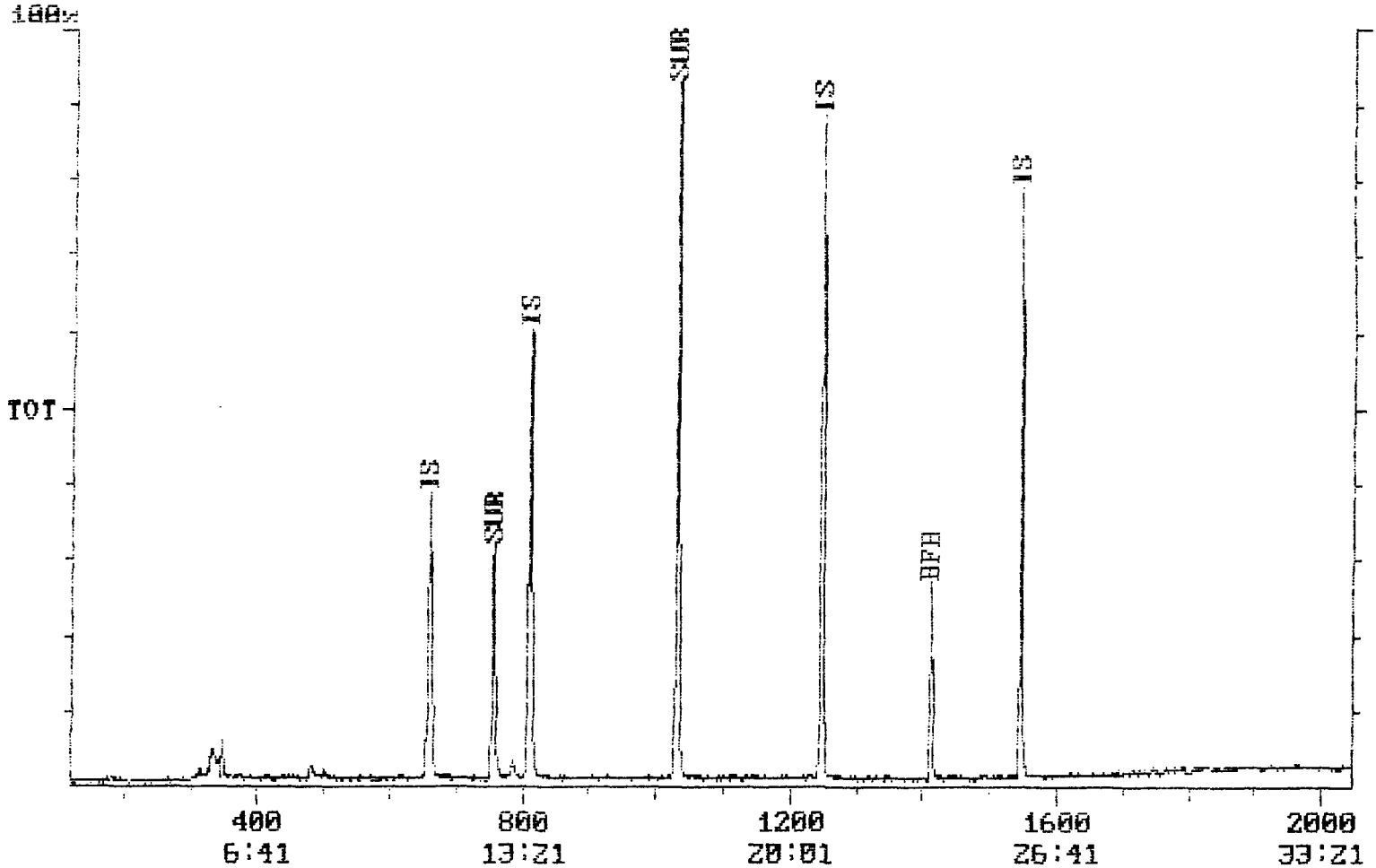
Quantitation Report Quanfile: CC0919-1 Quan Entries: 84
Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC
Sorted via: Entry Number (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:01	IS-PENTAFLUOROBENZENE	15.342	86,398
1.000	13:31	IS-1,4-DIFLUOROBENZENE	15.580	142,277
1.000	20:48	IS-CHLOROBENZENE,d5	13.300	118,226
1.000	25:44	IS-1,4-DICHLOROBENZENE	9.918	39,422
1.140	12:36	SUR-1,2-DICHLOROETHANE	91.763	79,880
1.272	17:12	SUR-TOLUENE,d8	98.818	219,804
1.132	23:33	SUR-BROMOFLUOROBENZENE	114.199	32,178
0.650	7:10	Acetone	105.189	63,862
0.647	7:08	Acrolein	96.169	21,702
0.759	8:22	Acrylonitrile	88.867	68,094
0.944	12:46	Benzene	16.028	320,303
0.928	23:54	Bromobenzene	11.298	52,118
1.028	11:20	Bromochloromethane	10.349	23,640
0.695	7:40	Bromoethane	0.116	35
1.134	15:20	Bromodichloromethane	13.681	121,376
1.108	23:03	Bromoform	21.908	63,398
0.565	6:14	Bromomethane	28.811	84,583
1.016	26:09	n-Butyl Benzene	21.335	303,959
0.979	25:13	sec-Butyl Benzene	18.491	313,766
0.965	24:50	tert-Butyl Benzene	17.788	286,184
0.730	8:03	Carbon Disulfide	17.846	186,380
0.910	12:18	Carbon Tetrachloride	9.279	63,735
1.004	20:53	Chlorobenzene	19.192	238,619
0.937	19:30	Chlorodibromomethane	13.684	97,216
0.572	6:18	Chloroethane	30.464	36,187
0.989	10:54	Chloroform	18.991	226,542
0.977	20:20	1-Chlorohexane	14.802	101,431
0.517	5:42	Chloromethane	33.780	168,830
0.939	24:10	2-Chlorotoluene	19.759	98,279
0.943	24:16	4-Chlorotoluene	22.024	376,019
1.075	27:41	1,2-Dibromo-3-Chloropr	34.564	24,171
0.958	19:56	1,2-Dibromoethane	17.636	57,133
1.145	15:29	Dibromomethane	10.054	34,787
1.025	26:23	1,2-Dichlorobenzene	22.842	179,866
0.994	25:35	1,3-Dichlorobenzene	16.502	154,241
1.001	25:47	1,4-Dichlorobenzene	16.283	141,833
0.494	5:27	Dichlorodifluoromethan	27.435	186,600
0.839	9:15	1,1-Dichloroethane	14.491	93,042
0.949	12:50	1,2-Dichloroethane	19.021	125,177
0.659	7:16	1,1-Dichloroethene	17.580	184,133
0.959	10:34	c-1,2-Dichloroethene	15.559	68,778
0.764	8:25	t-1,2-Dichloroethene	13.834	149,819
1.089	14:44	1,2-Dichloropropane	16.175	45,078
0.911	18:58	1,3-Dichloropropane	18.659	60,720
0.942	10:23	2,2-Dichloropropane	11.956	57,382
0.893	12:05	1,1-Dichloropropene	13.618	54,586
1.236	16:43	c-1,3-Dichloropropene	17.108	102,632
1.331	18:00	t-1,3-Dichloropropene	19.867	91,714
0.620	6:50	Diethyl Ether	16.557	31,835
1.010	21:01	Ethylbenzene	17.148	521,572
1.332	18:01	Ethyl Methacrylate	24.983	101,224
1.130	29:06	Hexachlorobutadiene	9.845	20,068
1.363	18:26	2-Hexanone	83.658	164,968

Quantitation Report Quanfile: CC0919-1 Quan Entries: 84
Comment: DI CONTINUING CALIBRATION CHECK STANDARD -- TARGET LIST VOC
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.105	23:00	Isopropyl Benzene	16.436	339,602
0.989	25:28	p-Isopropyltoluene	16.083	270,772
0.727	8:01	Methylene Chloride	21.896	280,367
0.927	10:13	Methyl Ethyl Ketone	78.192	70,825
1.202	16:15	Methyl Isobutyl Ketone	81.911	247,645
1.109	15:00	Methyl Methacrylate	22.069	58,135
1.139	29:19	Naphthalene	14.983	106,306
0.926	23:50	n-Propyl Benzene	21.002	493,510
1.072	22:18	Styrene	18.575	225,926
0.735	8:06	tert-Butyl Methyl Ethe	16.262	96,371
1.010	21:01	1,1,1,2-Tetrachloroeth	17.448	120,188
0.913	23:30	1,1,2,2-Tetrachloroeth	11.802	50,014
0.907	18:52	Tetrachloroethene	14.451	81,658
1.031	11:22	Tetrahydrofuran	123.898	36,388
1.286	17:23	Toluene	16.134	402,325
1.153	29:41	1,2,3-Trichlorobenzene	15.672	45,255
1.123	28:55	1,2,4-Trichlorobenzene	13.121	52,880
1.065	11:44	1,1,1-Trichloroethane	9.102	74,999
1.357	18:21	1,1,2-Trichloroethane	18.022	57,619
1.051	14:13	Trichloroethene	14.750	81,096
0.594	6:33	Trichlorofluoromethane	29.305	259,931
0.924	23:47	1,2,3-Trichloropropane	23.061	75,009
0.622	6:58	1,1,2-Trichlorotrifluo	14.799	72,254
0.967	24:54	1,2,4-Trimethylbenzene	17.846	373,123
0.938	24:09	1,3,5-Trimethylbenzene	22.333	397,292
0.525	5:47	Vinyl Chloride	29.824	69,562
1.018	21:11	m+p-Xylenes	18.506	419,631
1.065	22:10	ortho-Xylene	16.098	421,859
0.708	7:48	Allyl Chloride	15.269	88,265
0.927	10:13	Ethyl Acetate	37.315	70,790
1.202	16:15	1,1-Dichloropropanone	310.067	247,645

Chromatogram Plot C:\TM\DATA\710Z1 Date: 09/19/00 13:23:49
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3417
Scan No: 1000 Retention Time: 10:01 RIC: 1230 Mass Range: 39 - 131
Plotted: 121 to 2040 Range: 121 to 2040 100% = 115060

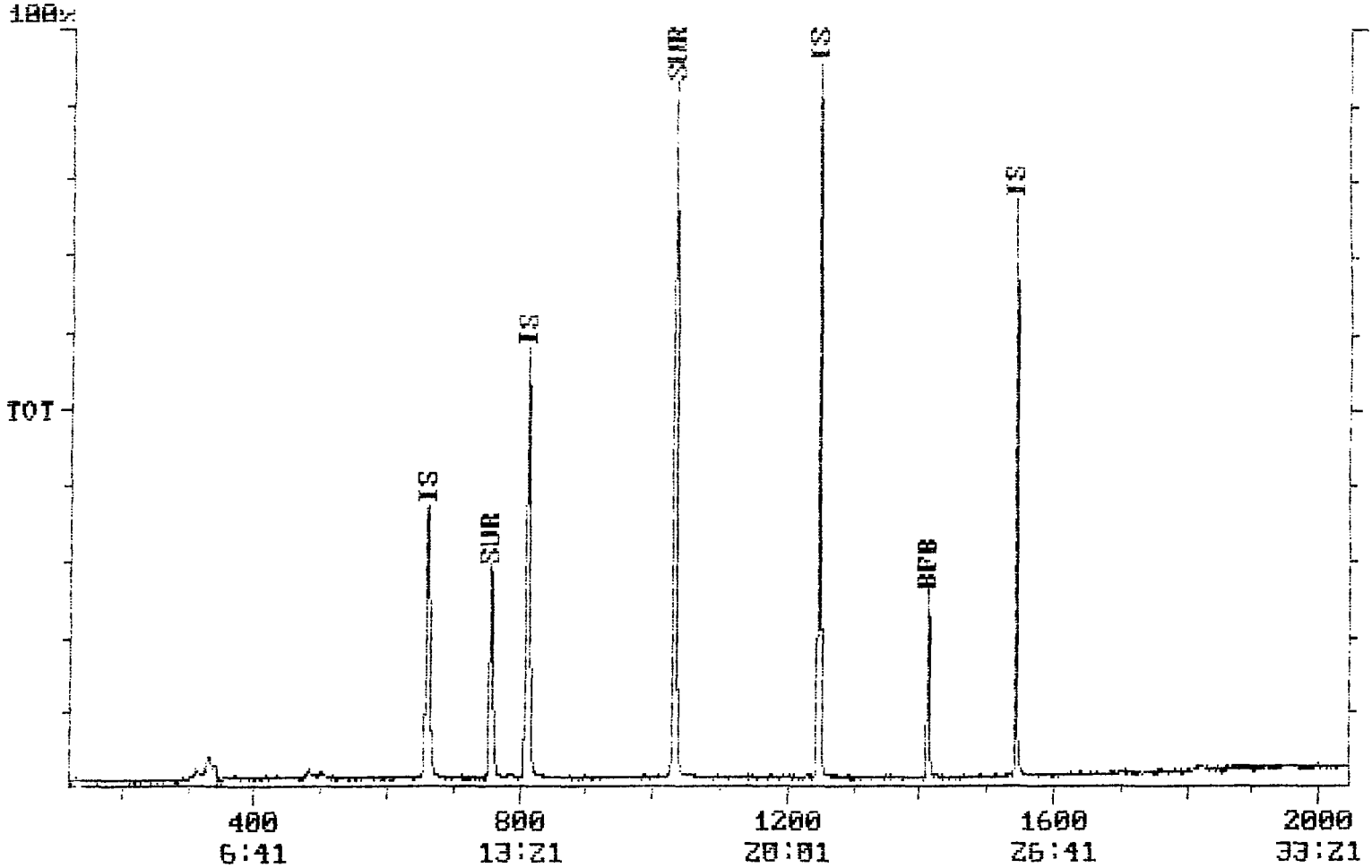


Quantitation Report Quanfile: 71021 Quan Entries: 39
Comment: GW 5ml ECOLOGY & ENVIRONMENT GW-EW-3417
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:00	IS-PENTAFLUOROBENZENE	15.542	86,312
1.000	13:30	IS-1,4-DIFLUOROBENZENE	15.580	137,319
1.000	20:47	IS-CHLOROBENZENE,d5	13.300	105,406
1.000	25:47	IS-1,4-DICHLOROBENZENE	9.818	40,601
1.143	12:36	SUR-1,2-DICHLOROETHANE	94.051	81,794
1.272	17:11	SUR-TOLUENE,d8	104.230	223,782
1.133	23:33	SUR-BROMOFLUOROBENZENE	99.401	24,970
0.659	7:15	Acetone	1.687	812
0.945	12:46	Benzene	0.439	579
0.565	6:13	Bromomethane	0.259	715
1.017	26:14	n-Butyl Benzene	0.219	208
0.978	25:13	sec-Butyl Benzene	0.204	222
0.728	8:01	Carbon Disulfide	0.492	3,525
0.987	10:52	Chloroform	0.092	217
0.942	24:18	4-Chlorotoluene	0.209	152
1.073	27:40	1,2-Dibromo-3-Chloropr	0.424	66
1.155	15:36	Dibromomethane	0.278	25
1.027	26:29	1,2-Dichlorobenzene	0.272	91
0.994	25:38	1,3-Dichlorobenzene	0.257	116
0.994	25:38	1,4-Dichlorobenzene	0.352	116
1.140	29:24	Hexachlorobutadiene	0.000	41
0.988	25:30	p-Isopropyltoluene	0.116	265
1.142	29:28	Naphthalene	0.257	527
1.015	21:06	1,1,1,2-Tetrachloroeth	0.247	100
0.918	23:41	1,1,2,2-Tetrachloroeth	0.335	26
1.042	11:23	Tetrahydrofuran	0.516	71
1.287	17:23	Toluene	0.322	445
1.156	29:49	1,2,3-Trichlorobenzene	0.009	303
1.126	29:02	1,2,4-Trichlorobenzene	0.090	171
0.915	23:37	1,2,3-Trichloropropane—no-S #3	0.685	922
0.966	24:55	1,2,4-Trimethylbenzene	0.450	242
0.500	5:30	Vinyl Chloride	0.365	68
1.019	21:11	m+p-Xylenes	0.050	366
1.066	22:12	ortho-Xylene	0.416	164
0.930	12:34	n-Butyl Alcohol	2.467	95
0.495	5:27	Chlorodifluoromethane	0.056	116
0.631	6:57	Isopropyl Alcohol	7.092	706
0.777	8:33	n-Propyl Alcohol	11.283	91
0.998	10:59	Methyl Acrylate	4.217	3,968

Clean

Chromatogram Plot C:\TM\DATA\710ZZ Date: 09/19/00 14:16:25
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-306
Scan No: 1000 Retention Time: 18:01 RIC: 1261 Mass Range: 37 - 219
Plotted: 121 to 2040 Range: 121 to 2040 100% = 115971

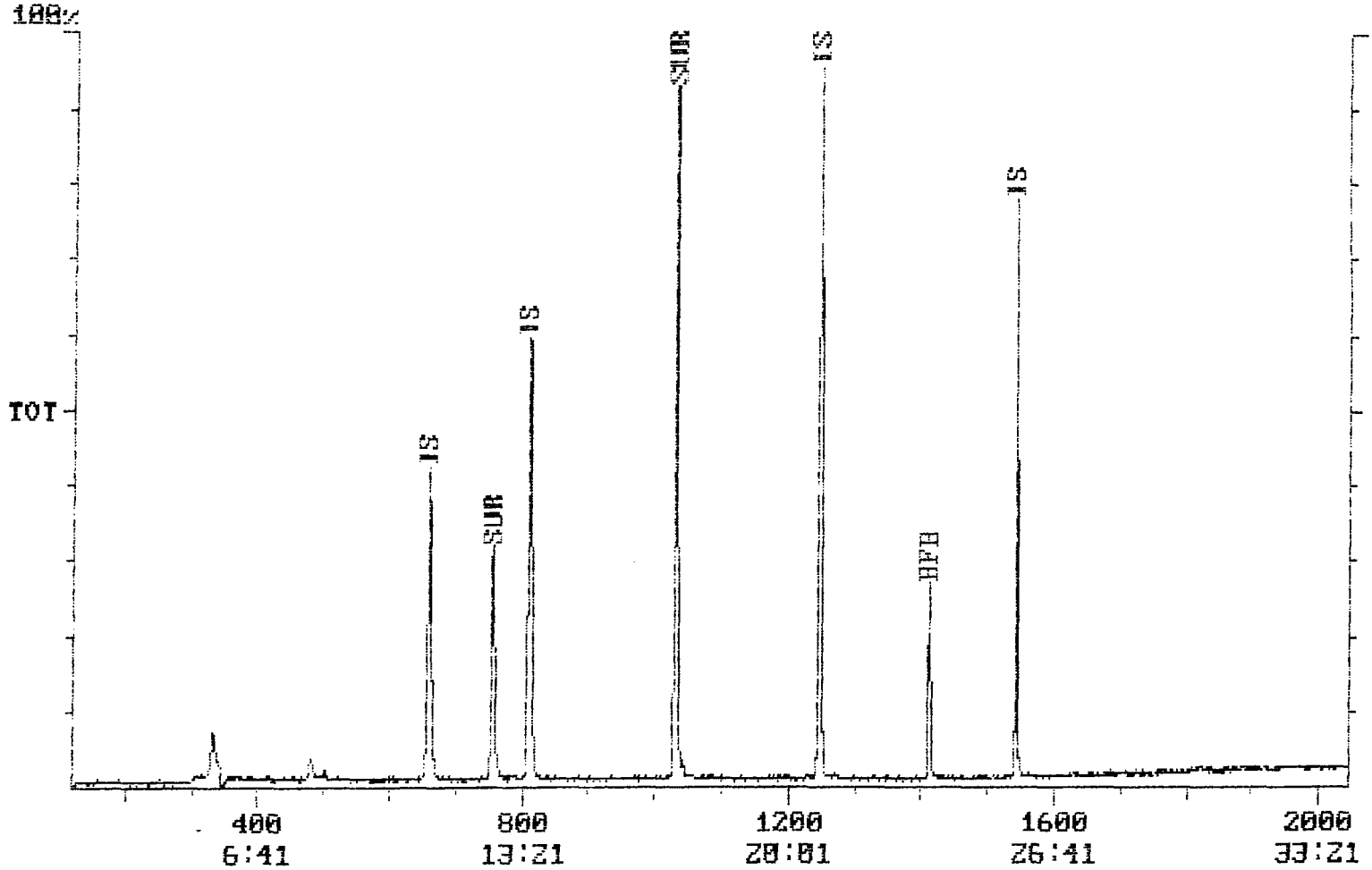


Quantitation Report Quanfile: 71022 Quan Entries: 30
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-306
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:01	IS-PENTAFLUOROBENZENE	15.542	81,064
1.000	13:33	IS-1,4-DIFLUOROBENZENE	15.580	104,070
1.000	20:46	IS-CHLOROBENZENE,d5	13.300	103,639
1.000	25:44	IS-1,4-DICHLOROBENZENE	9.918	35,510
1.144	12:38	SUR-1,2-DICHLOROETHANE	97.634	79,752
1.270	17:13	SUR-TOLUENE,d8	105.915	222,026
1.132	23:34	SUR-BROMOFLUOROBENZENE	99.731	24,633
0.657	7:15	Acetone	2.644	1,310
0.944	12:48	Benzene	0.436	310
0.565	6:14	Bromomethane	0.201	555
1.016	26:09	n-Butyl Benzene	0.215	133
0.965	24:51	tert-Butyl Benzene	0.076	106
0.728	8:02	Carbon Disulfide	0.353	1,935
0.990	10:56	Chloroform	0.089	164
0.516	5:42	Chloromethane	0.397	1,186
0.994	25:36	1,3-Dichlorobenzene	0.250	36
0.994	25:36	1,4-Dichlorobenzene	0.344	36
0.952	12:54	1,2-Dichloroethane	0.187	35
1.066	14:27	1,2-Dichloropropane	0.051	18
1.131	29:07	Hexachlorobutadiene	0.000	31
0.989	25:27	p-Isopropyltoluene	0.104	47
0.926	23:51	n-Propyl Benzene	0.240	196
1.013	21:05	1,1,1,2-Tetrachloroeth	0.239	53
1.284	17:24	Toluene	0.324	495
1.154	29:42	1,2,3-Trichlorobenzene	0.000	135
0.626	6:55	1,1,2-Trichlorotrifluo	0.118	26
0.968	24:56	1,2,4-Trimethylbenzene	0.447	157
1.067	22:12	ortho-Xylene	0.415	143
0.495	5:28	Chlorodifluoromethane	0.085	319
1.000	11:02	Methyl Acrylate	5.067	4,653

Clean

Chromatogram Plot C:\TM\DATA\710Z3 Date: 09/19/00 15:03:46
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-BLANK
Scan No: 1080 Retention Time: 18:01 RIC: 1124 Mass Range: 35 - 253
Plotted: 121 to 2040 Range: 121 to 2040 100% = 113179

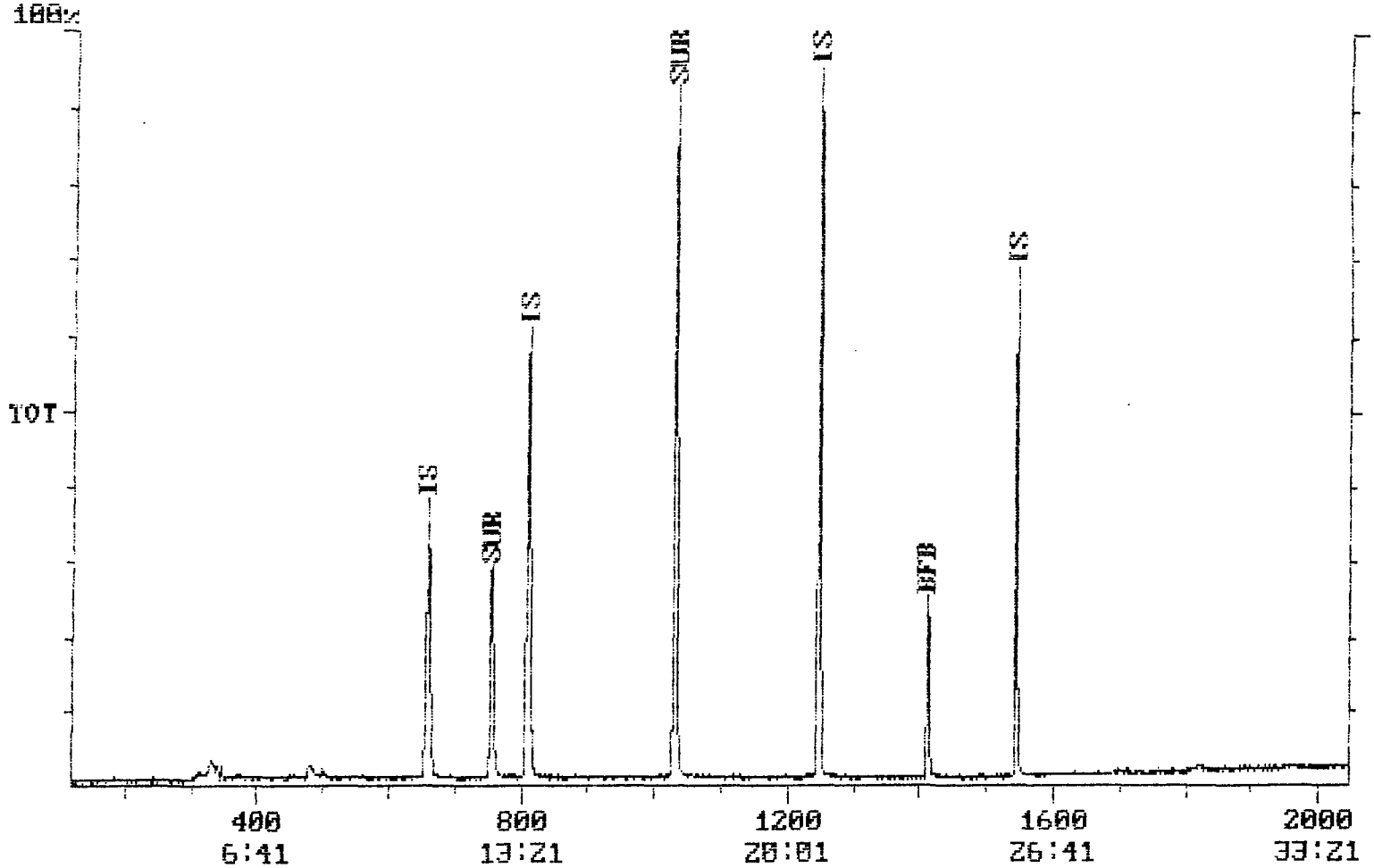


Quantitation Report Quanfile: 71023 Quan Entries: 28
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-BLANK
Sorted via: Entry Number (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:00	IS-PENTAFLUOROBENZENE	15.542	84,982
1.000	13:31	IS-1,4-DIFLUOROBENZENE	15.580	138,482
1.000	20:47	IS-CHLOROBENZENE,d5	13.300	103,055
1.000	25:43	IS-1,4-DICHLOROBENZENE	9.918	38,258
1.145	12:36	SUR-1,2-DICHLOROETHANE	92.191	78,938
1.271	17:11	SUR-TOLUENE,d8	100.001	216,506
1.133	23:33	SUR-BROMOFLUOROBENZENE	101.842	25,013
0.639	7:15	Acetone	2.776	1,452
0.943	12:45	Benzene	0.475	1,296
0.565	4:13	Bromomethane	0.189	556
0.968	24:54	sec-Butyl Benzene	0.210	317
0.919	12:26	Carbon Tetrachloride	0.353	19
0.989	10:53	Chloroform	0.080	74
0.930	23:56	2-Chlorotoluene	0.220	20
0.943	24:16	4-Chlorotoluene	0.208	126
1.011	21:01	Ethylbenzene	0.425	529
0.989	25:27	p-Isopropyltoluene	0.108	121
0.727	8:00	Methylene Chloride	0.341	4,951
0.926	23:50	n-Propyl Benzene	0.237	142
1.286	17:23	Toluene < EQL	0.464	3,969
0.968	24:54	1,2,4-Trimethylbenzene	0.454	317
0.939	24:09	1,3,5-Trimethylbenzene	0.172	150
0.525	5:47	Vinyl Chloride - no	0.535	445
1.019	21:11	m+p-Xylenes	0.108	1,502
1.066	22:10	ortho-Xylene	0.433	580
0.495	5:27	Chlorodifluoromethane	0.138	740
0.759	8:21	n-Propyl Alcohol	69.539	582
1.040	26:46	Hexachloroethane	0.224	72

Clean

Chromatogram Plot C:\TM\DATA\71024 Date: 09/19/00 15:51:07
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-BR-950
Scan No: 1000 Retention Time: 10:01 RIC: 1109 Mass Range: 39 - 90
Plotted: 121 to 2040 Range: 121 to 2040 100% = 117551

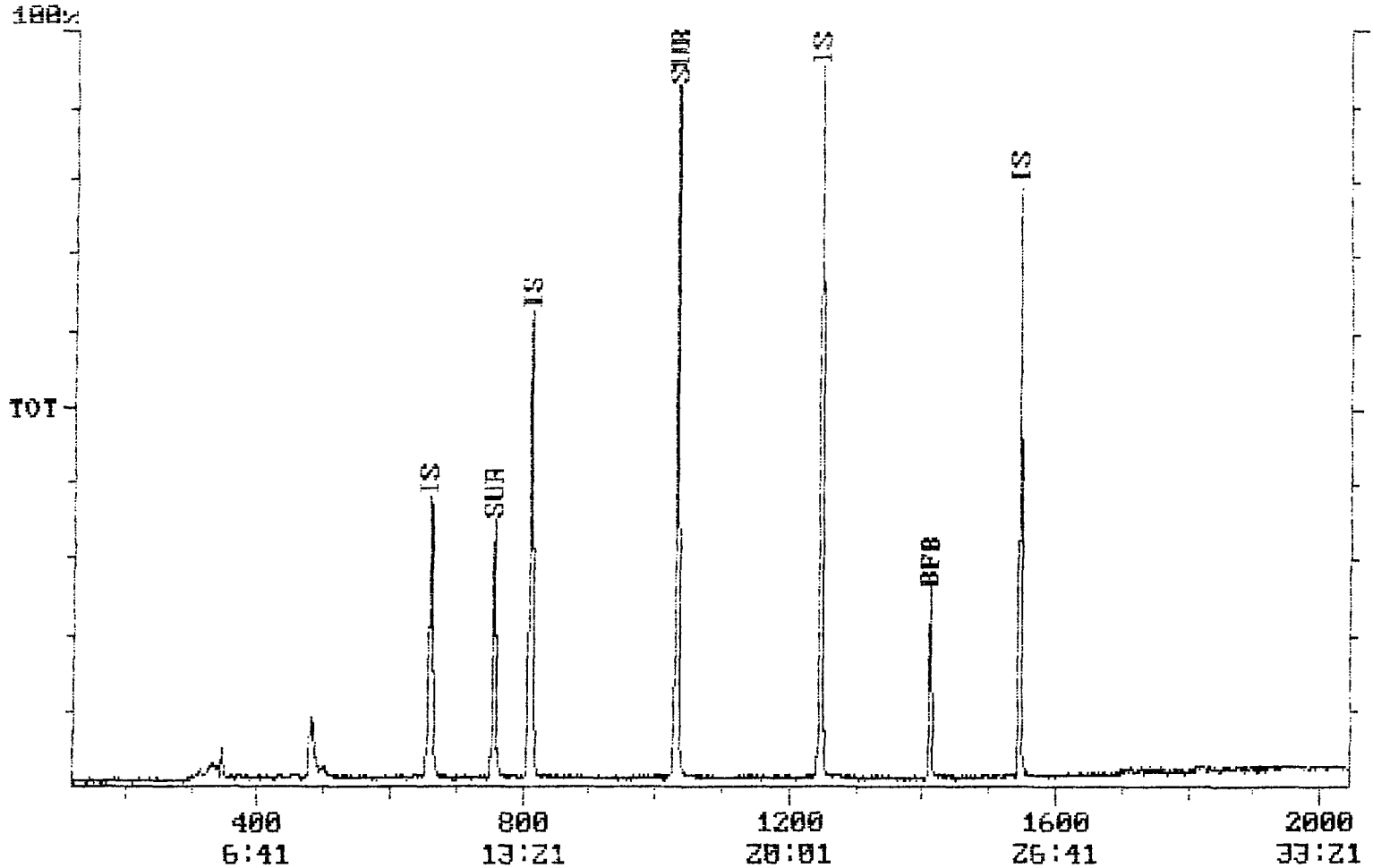


Quantitation Report Quanfile: 71024 Quan Entries: 30
Comment: GW 5ml ECOLOGY & ENVIRONMENT LW-BR-950
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:00	IS-PENTAFLUOROBENZENE	15.542	85,109
1.000	13:31	IS-1,4-DIFLUOROBENZENE	15.580	140,609
1.000	20:48	IS-CHLOROBENZENE,d5	13.300	108,197
1.000	25:45	IS-1,4-DICHLOROBENZENE	9.918	35,578
1.145	12:36	SUR-1,2-DICHLOROETHANE	90.848	77,902
1.272	17:12	SUR-TOLUENE,d8	100.070	219,984
1.132	23:34	SUR-BROMOFLUOROBENZENE	91.290	23,539
0.659	7:15	Acetone	1.546	716
0.945	12:47	Benzene	0.427	344
0.565	6:13	Bromomethane	0.111	393
0.728	8:01	Carbon Disulfide	0.418	2,704
0.989	10:53	Chloroform	0.085	130
0.516	5:41	Chloromethane	0.403	1,276
0.637	7:14	1,1-Dichloroethene	0.189	42
0.778	8:34	t-1,2-Dichloroethane	0.208	34
1.011	21:02	Ethylbenzene	0.413	224
1.302	17:36	Ethyl Methacrylate	0.493	292
1.128	29:03	Hexachlorobutadiene	0.000	23
1.120	23:18	Isopropyl Benzene	0.235	32
0.991	25:32	p-Isopropyltoluene	0.107	86
0.722	7:57	tert-Butyl Methyl Ethe	0.322	23
1.287	17:24	Toluene	0.328	602
1.154	29:44	1,2,3-Trichlorobenzene	0.000	62
0.968	24:56	1,2,4-Trimethylbenzene	0.447	160
0.938	24:10	1,3,5-Trimethylbenzene	0.172	136
1.019	21:12	m+p-Xylenes	0.055	476
1.067	22:12	ortho-Xylene	0.416	179
0.481	5:18	Chlorodifluoromethane	0.051	72
0.628	6:55	Isopropyl Alcohol	8.204	807
1.001	11:01	Methyl Acrylate	4.175	3,864

Clean

Chromatogram Plot C:\TM\DATA\71025 Date: 09/19/00 16:38:38
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3468
Scan No: 1080 Retention Time: 18:01 RIC: 1057 Mass Range: 39 - 131
Plotted: 121 to 2040 Range: 121 to 2040 100% = 110391

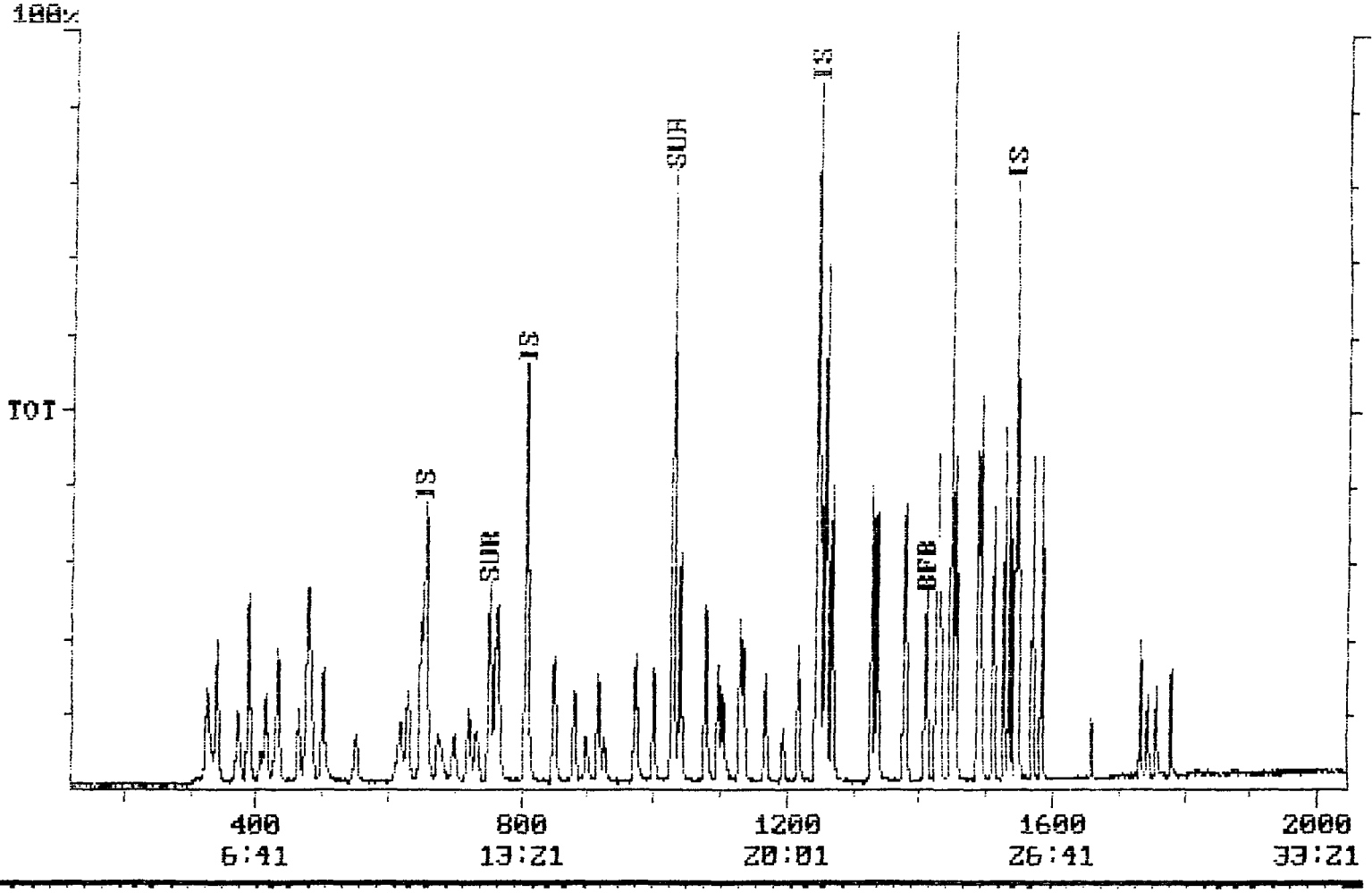


Quantitation Report Quanfile: 71025 Quan Entries: 27
Comment: GW 5ml ECOLOGY & ENVIRONMENT DW-EW-3468
Sorted via: Entry Number ^ (S) = Standard

RR Time	R Time	Name of Compound	Calc Amt(A)	Peak Area
1.000	11:01	IS-PENTAFLUOROBENZENE	15.542	80,751
1.000	13:31	IS-1,4-DIFLUOROBENZENE	15.580	136,904
1.000	20:47	IS-CHLOROBENZENE,d5	13.300	103,911
1.000	25:46	IS-1,4-DICHLOROBENZENE	9.918	41,424
1.143	12:36	SUR-1,2-DICHLOROETHANE	99.776	81,190
1.272	17:12	SUR-TOLUENE,d8	104.548	223,789
1.133	23:33	SUR-BROMOFLUOROBENZENE	101.625	25,167
0.656	7:14	Acetone	4.229	2,207
0.944	12:46	Benzene	0.443	651
0.564	6:13	Bromomethane	0.140	431
0.532	5:52	Chloroethane	0.097	174
0.516	5:41	Chloromethane	0.357	992
1.244	16:49	c-1,3-Dichloropropene	0.329	21
1.010	21:00	Ethylbenzene	0.411	165
1.140	29:24	Hexachlorobutadiene	0.000	54
1.063	11:43	Tetrahydrofuran	1.485	333
1.284	17:22	Toluene	0.340	902
1.152	29:42	1,2,3-Trichlorobenzene	0.000	53
0.966	24:54	1,2,4-Trimethylbenzene	0.447	180
0.933	24:04	1,3,5-Trimethylbenzene	0.173	182
1.020	21:12	m+p-Xylenes	0.063	610
1.066	22:10	ortho-Xylene	0.418	211
0.475	5:14	Chlorodifluoromethane	0.051	69
0.587	6:28	Ethyl Alcohol	35.954	729
0.629	6:56	Isopropyl Alcohol	8.175	763
0.756	8:20	n-Propyl Alcohol	44.510	352
1.001	11:02	Methyl Acrylate	4.350	3,856

Clean

Chromatogram Plot C:\TM\DATA\FB0919-1 Date: 09/19/00 19:03:41
Comment: DI LABORATORY FORTIFIED BLANK
Scan No: 1000 Retention Time: 18:01 RIC: 20399 Mass Range: 35 - 157
Plotted: 121 to 2040 Range: 121 to 2040 100% = 119510



EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS

QC Description: Lab Fortified Blank
Client Name:
EIS Lab Numbers:
Date Analyzed: Sep-19-2000 19:03

Initial Calibration Date: 06-28-00
Analysis Methods: 624, 8260, 524.2
Concentration Units: ug/l

SURROGATE RESPONSES	% Rec	QA/QC Limits
1,2-Dichloroethane,d4	97	76-114
Toluene,d8	95	88-110
Bromofluorobenzene	116	86-115

SAMPLE RESULTS

Parameter	Concentration True	Concentration Found	Rec. %
Acetone	27.96	27.293	98
Acrolein	27.32	27.601	101
Acrylonitrile	23.36	22.130	95
Benzene	4.88	3.628	74
Bromobenzene	3.44	2.722	79
Bromochloromethane	3.08	2.789	91
Bromoethane			
Bromodichloromethane	4.88	3.518	72
Bromoform	7.08	5.543	78
Bromomethane	8.16	9.071	111
n-Butyl Benzene	4.92	3.940	80
sec-Butyl Benzene	4.88	3.747	77
tert-Butyl Benzene	4.48	3.655	82
Carbon Disulfide	4.72	4.113	87
Carbon Tetrachloride	2.92	2.343	80
Chlorobenzene	5.24	4.466	85
Chlorodibromomethane	5.04	3.825	76
Chloroethane	8.84	7.443	84
2-Chloroethylvinyl Ether			
Chloroform	6.04	4.961	82
1-Chlorohexane	4.36	3.442	79
Chloromethane	10.68	8.337	78
2-Chlorotoluene	5.24	3.783	72
4-Chlorotoluene	5.36	4.141	77
Cyclohexanone			
1,2-Dibromo-3-Chloropropane	9.08	7.452	82
1,2-Dibromoethane	5.16	4.728	92
1,2-Dibromoethene			
1,2-Dibromoethene			
Dibromomethane	3.12	2.446	78
1,2-Dichlorobenzene	5.56	4.640	83
1,3-Dichlorobenzene	4.80	3.599	75
1,4-Dichlorobenzene	4.32	4.110	95
t-1,4-Dichloro-2-Butene			
Dichlorodifluoromethane	8.28	6.840	83
1,1-Dichloroethane	4.36	3.520	81
1,2-Dichloroethane	5.16	3.975	77
1,1-Dichloroethene	5.44	4.421	81

EIS ANALYTICAL SERVICES, INC.
QUALITY ASSURANCE DATA SHEET
VOLATILE ORGANIC COMPOUNDS
Lab Fortified Blank
Sep-19-2000 19:03

Parameter	Concentration True	Concentration Found	Rec. %
c-1,2-Dichloroethene	4.84	3.625	75
t-1,2-Dichloroethene	4.28	3.267	76
Dichlorofluoromethane			
1,2-Dichloropropane	4.72	4.901	104
1,3-Dichloropropane	5.20	4.121	79
2,2-Dichloropropane	3.84	2.774	72
1,1-Dichloropropene	4.48	3.217	72
c-1,3-Dichloropropene	5.04	3.658	73
t-1,3-Dichloropropene	5.08	4.010	79
Diethyl Ether	4.40	4.103	93
Ethylbenzene	4.92	3.832	78
Ethyl Methacrylate	5.76	4.884	85
n-Heptane			
Hexachlorobutadiene	2.52	2.180	87
2-Hexanone	22.16	18.650	84
Iodomethane			
Isopropyl Benzene	4.64	3.856	83
p-Isopropyltoluene	4.76	3.854	81
Methylene Chloride	6.48	7.709	119
Methyl Ethyl Ketone	21.72	19.922	92
Methyl Isobutyl Ketone	21.24	17.189	81
Methyl Methacrylate	6.08	5.352	88
Naphthalene	3.80	3.313	87
Nitrobenzene			
n-Propyl Benzene	4.96	4.007	81
Styrene	5.08	3.833	75
tert-Butyl Methyl Ether	4.72	3.826	81
1,1,1,2-Tetrachloroethane	5.12	4.180	82
1,1,2,2-Tetrachloroethane	3.36	2.798	83
Tetrachloroethene	4.68	3.611	77
Tetrahydrofuran	32.84	28.773	88
Toluene	4.76	3.672	77
1,2,3-Trichlorobenzene	3.56	3.147	88
1,2,4-Trichlorobenzene	3.52	2.744	78
1,1,1-Trichloroethane	2.68	2.191	82
1,1,2-Trichloroethane	5.40	3.837	71
Trichloroethene	4.48	3.659	82
Trichlorofluoromethane	9.12	6.883	75
1,2,3-Trichloropropane	5.72	4.634	81
1,1,2-Trichlorotrifluoroethane	4.80	3.383	70
1,2,4-Trimethylbenzene	5.04	3.491	69
1,3,5-Trimethylbenzene	4.80	3.918	82
Vinyl Acetate			
Vinyl Chloride	8.68	6.843	79
m+p-Xylenes	4.68	3.916	84
ortho-Xylene	5.08	3.934	77
Acetonitrile			

EIS ANALYTICAL SERVICES INC

ANALYSIS SUPPORT DOCUMENTATION
LABORATORY ORDER NO. 000900149

TEST: SVOC

METHOD: 8270C

Calibration Table Report
Method: LLTRIALQ.M
Title: BNA Initial Calibration
Last Calibration: Mon Sep 11 09:27:18 2000

Calibration Files

level	1	2	3	4	5	6	7	8	9		
concentration ng/ul	0.2	0.5	1.0	2.0	5.0	10	18	40	60		
Calibration data file 8270_	1.D	2.D	3.D	4.D	5.D	6.D	7.D	8.D	9.D		
Compound										Avg	% RSD
1,4-Dichlorobenzene-d4	ISTD										
N-Nitrosodimethylamine	0.674	0.861	0.711	0.771	0.925	0.985	0.946	0.898		0.846	13.5
pyridine			0.852	1.148	1.244	1.387	1.383	1.346		1.227	16.8
2-Fluorophenol	1.003	1.084	1.152	1.115	1.136	1.189	1.170	1.130		1.122	5.2
bis(2-Chloroethyl)ether	1.697	1.646	1.678	1.628	1.605	1.609	1.579	1.466		1.613	4.4
Aniline	1.933	1.940	1.943	1.876	1.792	1.776	1.665	1.472		1.800	9.2
Phenol-d5	1.534	1.694	1.676	1.664	1.637	1.697	1.652	1.576		1.641	3.5
* Phenol	1.819	2.041	1.888	1.881	1.843	1.884	1.820	1.654	1.698	1.837	6.1
2-Chlorophenol	1.260	1.379	1.364	1.371	1.376	1.398	1.378	1.302	1.347	1.353	3.3
1,3-Dichlorobenzene	1.629	1.550	1.470	1.467	1.412	1.434	1.412	1.302		1.459	6.7
* 1,4-Dichlorobenzene	1.629	1.665	1.636	1.554	1.505	1.510	1.456	1.386		1.543	6.3
1,2-Dichlorobenzene	1.551	1.492	1.478	1.458	1.390	1.413	1.338	1.246		1.421	6.8
Benzyl alcohol	0.757	0.769	0.778	0.759	0.788	0.845	0.808	0.746		0.781	4.1
bis(2-chloroisopropyl)ether	1.632	2.552	2.494	2.375	2.307	1.431	2.376	2.284		2.181	19.0
2-Methylphenol	1.072	1.181	1.108	1.102	1.109	1.176	1.134	1.078	1.096	1.117	3.5
Hexachloroethane	0.689	0.706	0.708	0.664	0.662	0.679	0.643	0.597		0.668	5.5
** N-Nitroso-di-n-propylamine	1.327	1.263	1.278	1.250	1.276	1.320	1.249	1.149		1.264	4.3
4-Methylphenol	1.236	1.228	1.150	1.174	1.164	1.214	1.187	1.086	1.179	1.180	3.9
Naphthalene-d8	ISTD										
Nitrobenzene-d5	0.396	0.412	0.403	0.432	0.429	0.451	0.476	0.451		0.431	6.3
Nitrobenzene	0.489	0.470	0.476	0.488	0.479	0.495	0.498	0.468		0.483	2.3
Isophorone	0.933	0.943	0.912	0.919	0.921	0.930	0.916	0.847		0.915	3.2
* 2-Nitrophenol	0.153	0.162	0.163	0.176	0.186	0.212	0.221	0.216	0.223	0.190	14.8
2,4-Dimethylphenol	0.419	0.391	0.348	0.338	0.330	0.352	0.359	0.363	0.405	0.367	8.4
Benzoic acid					0.111	0.202	0.263	0.283	0.306	0.233	33.6
bis(2-Chloroethoxy)methane	0.572	0.577	0.554	0.572	0.557	0.565	0.560	0.507		0.558	4.0
* 2,4-Dichlorophenol	0.293	0.299	0.289	0.305	0.308	0.319	0.312	0.288	0.286	0.300	3.9
1,2,4-Trichlorobenzene	0.388	0.379	0.342	0.347	0.323	0.338	0.321	0.294		0.341	9.0
Naphthalene	1.204	1.179	1.124	1.156	1.088	1.094	1.053	0.964		1.108	6.9
4-Chloroaniline	0.481	0.491	0.453	0.475	0.467	0.468	0.459	0.417		0.464	4.8
* Hexachlorobutadiene	0.220	0.194	0.185	0.158	0.153	0.155	0.143	0.124		0.166	18.6
* 4-Chloro-3-methylphenol	0.365	0.367	0.359	0.378	0.379	0.392	0.394	0.366	0.378	0.375	3.2
2-Methylnaphthalene	0.759	0.692	0.695	0.698	0.674	0.660	0.639	0.569		0.673	8.1
Acenaphthene-d10	ISTD										
** Hexachlorocyclopentadiene	0.116	0.143	0.147	0.171	0.204	0.243	0.259	0.264		0.193	29.7
* 2,4,6-Trichlorophenol	0.302	0.360	0.332	0.344	0.359	0.384	0.373	0.374	0.388	0.357	7.7
2,4,5-Trichlorophenol	0.286	0.345	0.341	0.387	0.394	0.419	0.408	0.386	0.397	0.374	11.2
2-Fluorobiphenyl	1.364	1.289	1.251	1.199	1.196	1.176	1.132	1.068		1.209	7.6
2-Chloronaphthalene	1.232	1.240	1.205	1.168	1.141	1.128	1.090	1.038		1.155	6.1
2-Nitroaniline	0.372	0.389	0.380	0.414	0.491	0.554	0.564	0.569		0.466	18.7
Acenaphthylene	1.836	1.962	1.827	1.881	1.865	1.899	1.771	1.738		1.847	3.9
Dimethylphthalate	1.505	1.537	1.422	1.433	1.440	1.472	1.371	1.372		1.444	4.1
2,6-Dinitrotoluene		0.207	0.211	0.258	0.292	0.340	0.338	0.344		0.284	21.1
* Acenaphthene	1.290	1.339	1.256	1.236	1.192	1.177	1.099	1.082		1.209	7.4
3-Nitroaniline	0.197	0.276	0.267	0.306	0.334	0.365	0.356	0.337		0.305	18.4

Calibration Files											
level	1	2	3	4	5	6	7	8	9		
concentration ng/ul	0.2	0.5	1.0	2.0	5.0	10	18	40	60		
Calibration data file 8270_	1.D	2.D	3.D	4.D	5.D	6.D	7.D	8.D	9.D		
Compound										Avg	% RSD
** 2,4-Dinitrophenol					0.067	0.123	0.155	0.186	0.212	0.149	38.0
Dibenzofuran	1.595	1.691	1.561	1.625	1.546	1.512	1.442	1.384		1.545	6.4
2,4-Dinitrotoluene		0.243	0.274	0.331	0.386	0.460	0.468	0.487		0.378	26.0
** 4-Nitrophenol			0.122	0.153	0.192	0.228	0.237	0.247	0.261	0.206	25.3
Fluorene	1.361	1.385	1.321	1.299	1.283	1.270	1.213	1.161		1.287	5.7
4-Chlorophenyl-phenylether	0.668	0.635	0.634	0.611	0.606	0.609	0.578	0.571		0.614	5.1
Diethylphthalate	1.632	1.664	1.496	1.531	1.540	1.588	1.531	1.534		1.565	3.7
4-Nitroaniline	0.193	0.244	0.213	0.219	0.249	0.319	0.336	0.356		0.266	23.3
Phenanthrene-d10	ISTD										
4,6-Dinitro-2-methylphenol				0.060	0.089	0.135	0.159	0.166	0.200	0.135	38.5
* n-Nitrosodiphenylamine	0.588	0.605	0.574	0.584	0.588	0.603	0.586	0.528		0.582	4.1
Azobenzene	1.174	1.315	1.270	1.337	1.326	1.383	1.346	1.255		1.301	5.0
2,4,6-Tribromophenol	0.055	0.066	0.063	0.070	0.075	0.089	0.081	0.083		0.073	15.6
4-Bromophenyl-phenylether	0.227	0.224	0.214	0.215	0.217	0.222	0.216	0.197		0.217	4.2
Hexachlorobenzene	0.274	0.281	0.255	0.259	0.254	0.251	0.250	0.228		0.257	6.3
* Pentachlorophenol			0.076	0.096	0.103	0.127	0.116	0.130	0.136	0.112	19.2
Phenanthrene	1.326	1.295	1.255	1.227	1.210	1.220	1.164	1.082		1.222	6.2
Anthracene	1.198	1.230	1.191	1.237	1.202	1.214	1.171	1.067		1.189	4.5
Di-n-butylphthalate	1.951	1.801	1.770	1.789	1.781	1.845	1.766	1.615		1.790	5.2
* Fluoranthene	1.242	1.277	1.217	1.234	1.193	1.247	1.191	1.111		1.214	4.2
Benzidine			0.073	0.128	0.235	0.303	0.286			0.205	49.0
Chrysene-d12	ISTD										
Pyrene	2.122	2.003	1.936	2.061	1.722	1.914	1.890	1.823		1.934	6.7
Terphenyl-d14	1.197	1.117	1.105	1.103	0.956	1.047	1.046	1.060		1.079	6.5
Butylbenzylphthalate	1.195	1.147	1.142	1.249	1.112	1.278	1.249	1.240		1.202	5.1
3,3'-Dichlorobenzidine	0.315	0.341	0.353	0.346	0.344	0.391	0.417	0.371		0.360	8.9
Benzo[a]anthracene	1.798	1.490	1.380	1.306	1.218	1.381	1.357	1.250		1.398	13.1
Chrysene	1.632	1.389	1.338	1.332	1.200	1.348	1.290	1.197		1.341	10.2
bis(2-Ethylhexyl)phthalate		2.287	2.410	1.900	1.609	1.785	1.771	1.655		1.917	16.3
Perylene-d12	ISTD										
* Di-n-octylphthalate	2.057	2.487	2.679	2.783	3.007	3.432	3.274			2.817	16.7
Benzo[b]fluoranthene	2.248	1.797	1.556	1.751	1.573	1.384	1.511	1.516		1.667	16.2
Benzo[k]fluoranthene	1.687	1.625	1.363	1.392	1.621	1.299	1.462	1.320		1.471	10.4
* Benzo[a]pyrene	1.680	1.576	1.361	1.332	1.404	1.307	1.334	1.223		1.402	10.8
Indeno[1,2,3-cd]pyrene	0.934	1.151	1.302	1.107	1.272	1.228	1.332	1.325		1.206	11.3
Dibenz[a,h]anthracene	0.674	0.869	1.057	0.981	1.105	1.060	1.124	1.043		0.989	15.2
Benzo[g,h,i]perylene	0.933	1.016	1.172	0.941	1.127	1.008	1.155	1.073		1.053	8.8

* CCC

** SPCC

Compound List Report 5970 - In

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Initial Calibration
Total Cpnds : 82

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	10.44	1.000	L	3	A	L
2		N-Nitrosodimethylamine	74	4.14	0.397	L	3	A	B
3		pyridine	79	4.14	0.397	L	3	A	B
4	S	2-Fluorophenol	112	7.54	0.722	L	3	A	B
5		bis(2-Chloroethyl)ether	93	10.00	0.958	L	3	A	B
6		Aniline	93	9.82	0.941	L	3	A	B
7	S	Phenol-d5	99	9.84	0.943	L	3	A	B
8	CM	Phenol	94	9.87	0.946	L	3	A	B
9	M	2-Chlorophenol	128	10.04	0.962	L	3	A	B
10		1,3-Dichlorobenzene	146	10.35	0.992	L	3	A	B
11	CM	1,4-Dichlorobenzene	146	10.48	1.004	L	3	A	B
12		1,2-Dichlorobenzene	146	10.90	1.044	L	3	A	B
13		Benzyl alcohol	108	10.87	1.041	L	3	A	B
14		bis(2-chloroisopropyl)ether	45	11.25	1.078	L	3	A	B
15		2-Methylphenol	108	11.20	1.073	L	3	A	B
16		Hexachloroethane	117	11.59	1.110	L	3	A	B
17	PM	N-Nitroso-di-n-propylamine	70	11.56	1.108	L	3	A	B
18		4-Methylphenol	108	11.53	1.105	L	3	A	B
19	I	Naphthalene-d8	136	13.31	1.000	L	3	A	L
20	S	Nitrobenzene-d5	82	11.77	0.884	L	3	A	B
21		Nitrobenzene	77	11.81	0.887	L	3	A	B
22		Isophorone	82	12.37	0.930	L	3	A	B
23	C	2-Nitrophenol	139	12.54	0.942	A	3	A	B
24		2,4-Dimethylphenol	107	12.70	0.954	L	3	A	B
25		Benzoic acid	105	12.92	0.971	L	3	A	B
26		bis(2-Chloroethoxy)methane	93	12.91	0.970	L	3	A	B
27	C	2,4-Dichlorophenol	162	13.06	0.981	L	3	A	B
28	M	1,2,4-Trichlorobenzene	180	13.24	0.995	L	3	A	B
29		Naphthalene	128	13.36	1.004	L	3	A	B
30		4-Chloroaniline	127	13.55	1.018	L	3	A	B
31	C	Hexachlorobutadiene	225	13.81	1.037	L	3	A	B
32	CM	4-Chloro-3-methylphenol	107	14.67	1.102	L	3	A	B
33		2-Methylnaphthalene	142	14.89	1.119	L	3	A	B
34	I	Acenaphthene-d10	164	17.20	1.000	L	3	A	L
35	P	Hexachlorocyclopentadiene	237	15.41	0.896	L	3	A	B
36	C	2,4,6-Trichlorophenol	196	15.58	0.906	L	3	A	B
37		2,4,5-Trichlorophenol	196	15.65	0.910	L	3	A	B
38	S	2-Fluorobiphenyl	172	15.76	0.917	L	3	A	B
39		2-Chloronaphthalene	162	15.95	0.927	L	3	A	B
40		2-Nitroaniline	65	16.25	0.945	L	3	A	B
41		Acenaphthylene	152	16.85	0.980	L	3	A	B
42		Dimethylphthalate	163	16.76	0.974	L	3	A	B
43		2,6-Dinitrotoluene	165	16.87	0.981	L	3	A	B
44	CM	Acenaphthene	153	17.27	1.004	L	3	A	B
45		3-Nitroaniline	138	17.16	0.998	L	3	A	B
46	P	2,4-Dinitrophenol	184	17.38	1.011	L	3	A	B
47		Dibenzofuran	168	17.64	1.026	L	3	A	B
48	M	2,4-Dinitrotoluene	165	17.75	1.032	L	3	A	B
49	PM	4-Nitrophenol	109	17.56	1.021	L	3	A	B
50		Fluorene	166	18.52	1.077	L	3	A	B
51		4-Chlorophenyl-phenylether	204	18.56	1.079	L	3	A	B
52		Diethylphthalate	149	18.45	1.073	L	3	A	B
53		4-Nitroaniline	138	18.69	1.087	L	3	A	B
54	I	Phenanthrene-d10	188	21.11	1.000	L	3	A	L
55		4,6-Dinitro-2-methylphenol	198	18.82	0.892	L	3	A	B
56	C	n-Nitrosodiphenylamine	169	18.92	0.896	L	3	A	B
57		Azobenzene	77	19.01	0.900	L	3	A	B
58	S	2,4,6-Tribromophenol	330	19.27	0.913	L	3	A	B
59		4-Bromophenyl-phenylether	248	19.96	0.946	L	3	A	B
60		Hexachlorobenzene	284	20.33	0.963	L	3	A	B
61	CM	Pentachlorophenol	266	20.81	0.986	L	3	A	B
62		Phenanthrene	178	21.17	1.003	L	3	A	B
63		Anthracene	178	21.27	1.008	L	3	A	B
64		Di-n-butylphthalate	149	22.78	1.079	L	3	A	B
65	C	Fluoranthene	202	23.99	1.136	L	3	A	B
66		Benzidine	184	24.36	1.154	L	3	A	B

67	I	Chrysene-d12	240	27.64	1.000	L	3	A	L
68	M	Pyrene	202	24.53	0.888	L	3	A	B
69	S	Terphenyl-d14	244	25.07	0.907	L	3	A	B
70		Butylbenzylphthalate	149	26.49	0.959	L	3	A	B
71		3,3'-Dichlorobenzidine	252	27.61	0.999	L	3	A	B
72		Benzo[a]anthracene	228	27.61	0.999	L	3	A	B
73		Chrysene	228	27.70	1.002	L	3	A	B
74		bis(2-Ethylhexyl)phthalate	149	27.91	1.010	L	3	A	B
75	I	Perylene-d12	264	30.86	1.000	L	3	A	L
76	C	Di-n-octylphthalate	149	29.19	0.946	A	3	A	B
77		Benzo[b]fluoranthene	252	29.96	0.971	L	3	A	B
78		Benzo[k]fluoranthene	252	30.02	0.973	L	3	A	B
79	C	Benzo[a]pyrene	252	30.72	0.995	L	3	A	B
80		Indeno[1,2,3-cd]pyrene	276	33.92	1.099	L	3	A	B
81		Dibenz[a,h]anthracene	278	33.96	1.100	L	3	A	B
82		Benzo[g,h,i]perylene	276	34.80	1.127	L	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

LLTRIALQ.M Wed Sep 20 11:17:55 2000 486DX2

Sequence Name: C:\HPCHEM\1\SEQUENCE\9_20_00.S
Comment:
Operator:
Data Path: C:\HPCHEM\1\DATA\9_20_00\
Pre-Seq Cmd:
Post-Seq Cmd:

OK 9-22-00 BD

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	71015	LLTRIALQ	Ecology & Environment DW-EW-3531
2)	Sample	2	71016	LLTRIALQ	Ecology & Environment DW-EW-3626
3)	Sample	3	71017	LLTRIALQ	Ecology & Environment DW-EW-3640
4)	Sample	4	71019	LLTRIALQ	Ecology & Environment DW-EW-3539
5)	Sample	5	71020	LLTRIALQ	Ecology & Environment DW-EW-3488
6)	Sample	6	71021	LLTRIALQ	Ecology & Environment DW-EW-3417
7)	Sample	7	71022	LLTRIALQ	Ecology & Environment DW-EW-306
8)	Sample	8	71024	LLTRIALQ	Ecology & Environment DW-BR-950
9)	Sample	9	71025	LLTRIALQ	Ecology & Environment DW-EW-3468
10)	Sample	10	LFB0918	LLTRIALQ	Laboratory Fortified Blank 9-18-0
11)	Sample	11	MB0918	LLTRIALQ	Method Blank 9-18-00
12)					

SVOC Internal Standard (IS) Summary
Area Counts (AC) and Retention Time (RT)
Analysis Date: 9-20-00

DCS = Daily Check Standard

		1	2	3	4	5	6
DCS	AC	169399	608756	385006	603417	410762	376936
	RT	10.48	13.35	17.23	21.16	27.67	30.91

DCS Response QC Limits based on Initial Calibration

IS	Name	AC Limits (-50% + 100%)	RT Limits (±0.5 min)
1	1,4–Dichlorobenzene, d4	132425 – 529702	9.94 – 10.94
2	Naphthalene, d8	440672 – 1762688	12.81 – 13.81
3	Acenaphthene, d10	248924 – 995698	16.70 – 17.70
4	Phenanthrene, d10	365696 – 1462784	20.61 – 21.61
5	Chrysene, d12	255626 – 1022506	27.14 – 28.14
6	Perylene, d12	167718 – 670872	30.37 – 31.37

SVOC Internal Standard (IS) Summary
Area Counts (AC) and Retention Time (RT)
Analysis Date 9-20-00

DCS = Daily Check Standard ICS = Initial Calibration Standard

		1	2	3	4	5	6
DCS	AC	169399	608756	385006	603417	410762	376936
	RT	10.48	13.35	17.23	21.16	27.67	30.91
71015	AC	198120	620761	424267	672334	478669	393725
	RT	10.48	13.35	17.24	21.15	27.67	30.91
71016	AC	163523	519538	304620	459122	275102	247021
	RT	10.48	13.35	17.24	21.14	27.68	30.89
71017	AC	186006	657481	400460	634909	470527	423309
	RT	10.48	13.35	17.23	21.15	27.67	30.91
71019	AC	186718	626249	382127	607640	408094	371409
	RT	10.48	13.35	17.23	21.15	27.68	30.90
71020	AC	194408	606258	408650	634530	457084	391340
	RT	10.48	13.35	17.23	21.15	27.67	30.90
71021	AC	174396	576565	349935	558018	363278	335291
	RT	10.47	13.34	17.23	21.15	27.66	30.89
71022	AC	185300	585843	350990	520170	355913	295438
	RT	10.47	13.35	17.23	21.15	27.66	30.90
71024	AC	162667	512546	302440	447489	400975	341808
	RT	10.47	13.34	17.23	21.15	27.67	30.91
71025	AC	187731	657096	398656	649228	459766	450282
	RT	10.47	13.34	17.23	21.14	27.66	30.90

Calibration Check: DCS IS Areas within –50% + 100% of ICS Yes ✓ No ____
If No but run continued, explain ____

Sample Response QC Limits based on DCS

IS	Name	AC Limits (–50% + 100%)	RT Limits (±0.5 min)
1	1,4 Dichlorobenzene, d4	84699– 338798	9.98– 10.98
2	Naphthalene, d8	304378–1217512	12.85–13.85
3	Acenaphthene, d10	192503–770012	16.73–17.73
4	Phenanthrene, d10	301708–1206834	20.66–21.66
5	Chrysene, d12	205381– 821524	27.17– 28.17
6	Perylene, d12	188468– 753872	30.41 – 31.41

SVOC Internal Standard (IS) Summary
Area Counts (AC) and Retention Time (RT)
Analysis Date _____

DCS = Daily Check Standard ICS = Initial Calibration Standard

		1	2	3	4	5	6
DCS	AC	169399	608756	385006	603417	410762	376936
	RT	10.48	13.35	17.23	21.16	27.67	30.91
LFB0918	AC	200530	688832	418503	657206	455522	433481
	RT	10.47	13.34	17.23	21.15	27.67	30.90
MB0918	AC	184168	636306	397807	626294	476259	414212
	RT	10.47	13.34	17.23	21.14	27.66	30.90
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						

Calibration Check: DCS IS Areas within –50% + 100% of ICS Yes ✓ No ____

If No but run continued, explain _____

Sample Response QC Limits based on DCS

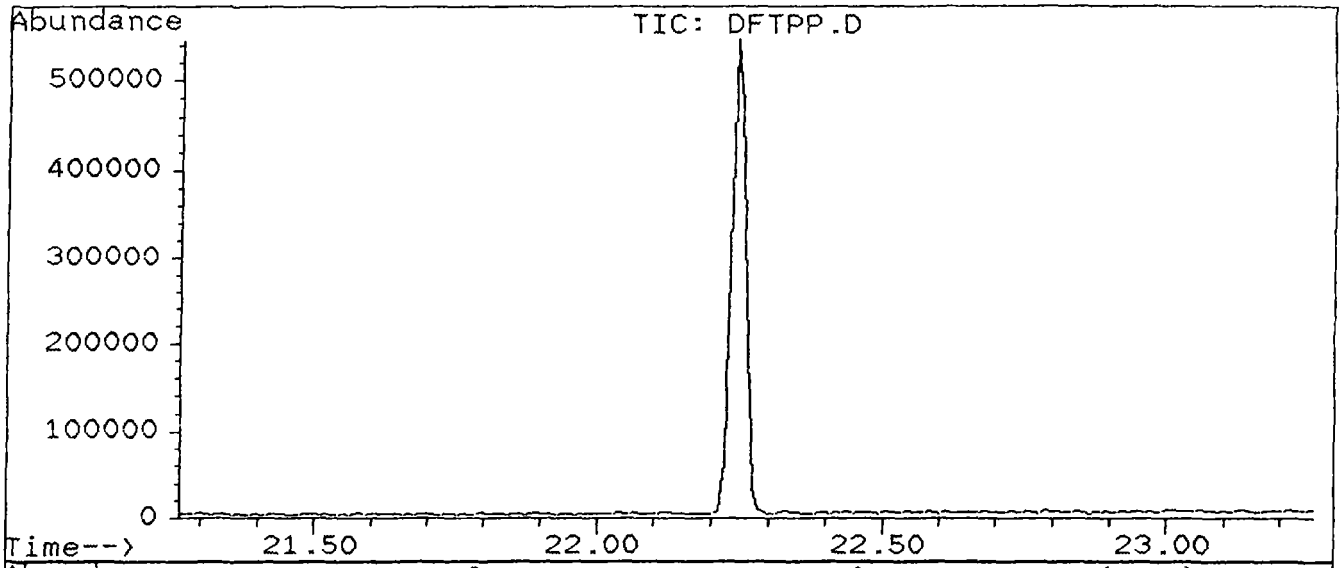
IS	Name	AC Limits (–50% + 100%)	RT Limits (±0.5 min)
1	1,4 Dichlorobenzene, d4	84699– 338798	9.98– 10.98
2	Naphthalene, d8	304378–1217512	12.85–13.85
3	Acenaphthene, d10	192503–770012	16.73–17.73
4	Phenanthrene, d10	301708–1206834	20.66–21.66
5	Chrysene, d12	205381– 821524	27.17– 28.17
6	Perylene, d12	188468– 753872	30.41 – 31.41

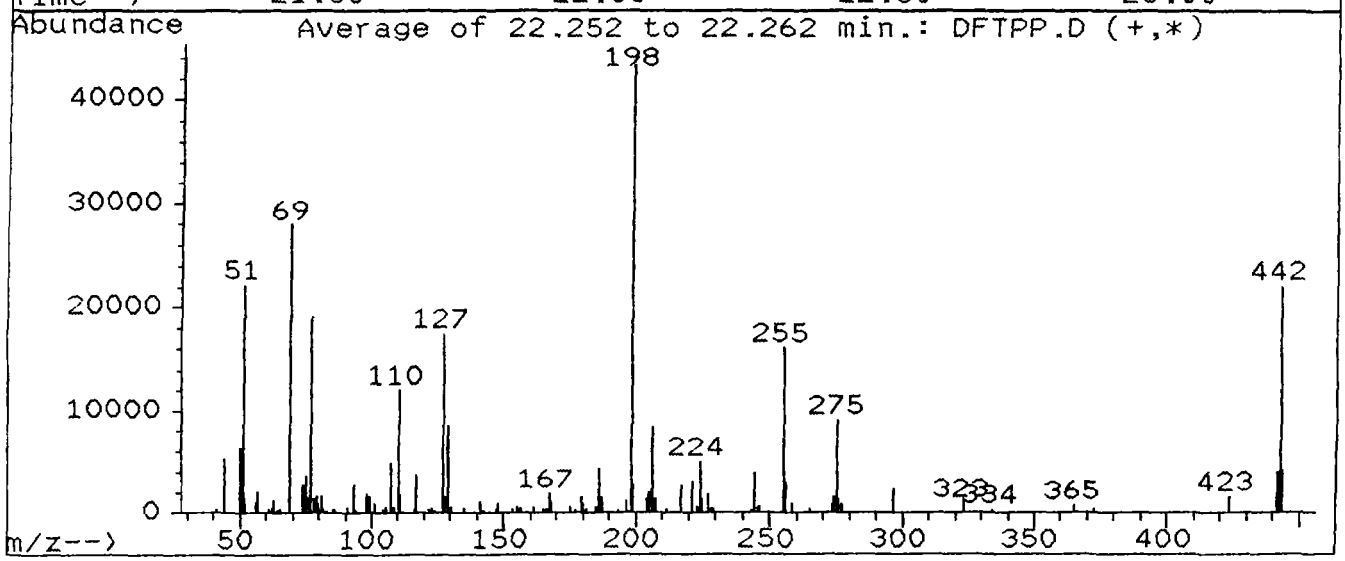
DFTPP

Data File : C:\HPCHEM\1\DATA\9_20_00\DFTPP.D
Acq Time : 20 Sep 100 9:32 am
Sample : DFTPP
Misc : 5 ng

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration

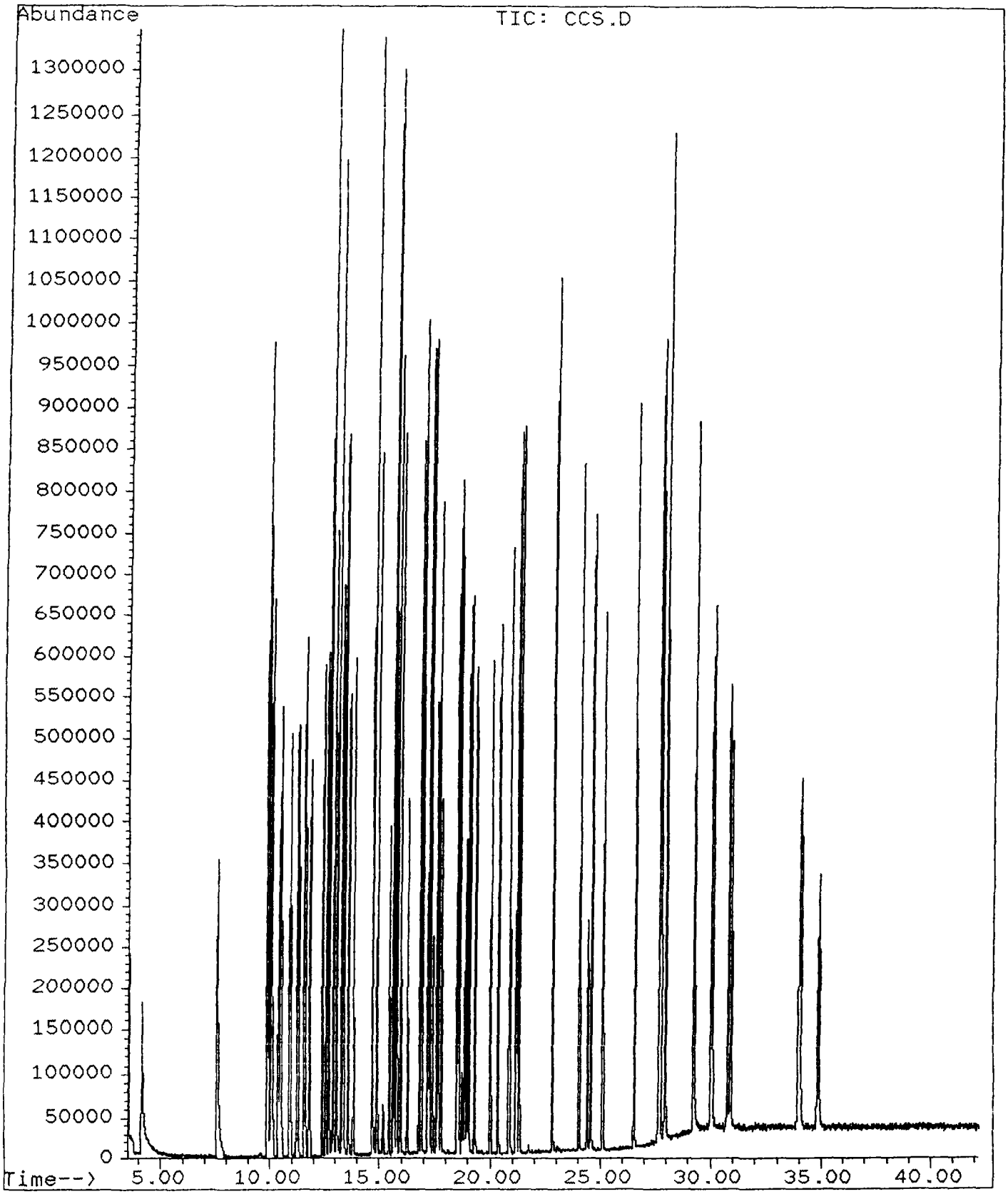




Peak Apex is scan: 1926

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.3	22213	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	64.6	28003	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	40.3	17473	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	43328	PASS
199	198	5	9	6.2	2700	PASS
275	198	10	30	21.1	9141	PASS
365	198	1	100	1.5	650	PASS
441	443	0	100	95.9	4028	PASS
442	198	40	100	51.0	22096	PASS
443	442	17	23	19.0	4200	PASS

File : C:\HPCHEM\1\DATA\9_20_00\CCS.D
Operator : BD
Acquired : 20 Sep 100 10:25 am using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Calibration Check Standard
Misc Info : (5 ng)(10 ng Phenol)
Vial Number: 99



EIS Analytical Services Inc

File	C:\HPCHEM\1\DATA\9_20_00\CCS.D
Sample	Calibration Check Standard
Date	20 Sep 100 10:25 am
Misc	(5 ng)(10 ng Phenol)

Linear Regression Not Thru Zero

CCC SPCC	Compound	AvgRRF	DcsRRF	%Diff.
*	Acenaphthene	1.078		-0.4
	Acenaphthylene	1.737		3.1
	Aniline	1.479		-2.4
	Anthracene	1.073		3.5
	Azobenzene	1.264		16.8
	Benzidine	0.306		-41.8
	Benzo[a]anthracene	1.261		9.3
*	Benzo[a]pyrene	1.229		-7.3
	Benzo[b]fluoranthene	1.509		1.7
	Benzo[g,h,i]perylene	1.082		-9.1
	Benzo[k]fluoranthene	1.329		-2.2
	Benzoic acid	0.322		0.3
	Benzyl alcohol	0.753		15.3
	bis(2-Chloroethoxy)methane	0.511		-0.2
	bis(2-Chloroethyl)ether	1.473		10.1
	bis(2-chloroisopropyl)ether	2.289		-6.3
	bis(2-Ethylhexyl)phthalate	1.655		22.7
	4-Bromophenyl-phenylether	0.198		-12.6
	Butylbenzylphthalate	1.244		20.9
*	4-Chloro-3-methylphenol	0.375		3.6
	4-Chloroaniline	0.420		0.6
	2-Chloronaphthalene	1.039		1.4
	2-Chlorophenol	1.333		9.0
	4-Chlorophenyl-phenylether	0.570		-9.3
	Chrysene	1.205		2.5
	Di-n-butylphthalate	1.626		14.3
*	Di-n-octylphthalate	2.817		13.3
	Dibenz[a,h]anthracene	1.053		-15.6
	Dibenzofuran	1.383		-6.0
	1,2-Dichlorobenzene	1.249		0.9
	1,3-Dichlorobenzene	1.308		1.8
*	1,4-Dichlorobenzene	1.388		3.7
	3,3'-Dichlorobenzidine	0.377		36.9
*	2,4-Dichlorophenol	0.286		-5.0
	Diethylphthalate	1.534		7.6
	2,4-Dimethylphenol	0.395		-7.4
	Dimethylphthalate	1.370		1.2
	4,6-Dinitro-2-methylphenol	0.201		19.6
**	2,4-Dinitrophenol	0.224	0.079	18.0
	2,4-Dinitrotoluene	0.492		15.2
	2,6-Dinitrotoluene	0.348		18.7
*	Fluoranthene	1.117		-3.5

	Fluorene	1.162		-4.2
	2-Fluorobiphenyl	1.070		-5.4
	2-Fluorophenol	1.135		10.7
	Hexachlorobenzene	0.229		-26.3
*	Hexachlorobutadiene	0.125		-9.1
**	Hexachlorocyclopentadiene	0.267	0.23	1.8
	Hexachloroethane	0.599		1.3
	Indeno[1,2,3-cd]pyrene	1.330		-9.7
	Isophorone	0.852		16.9
	2-Methylnaphthalene	0.573		-3.7
	2-Methylphenol	1.090		6.9
	4-Methylphenol	1.153		9.3
	Naphthalene	0.968		4.6
	2-Nitroaniline	0.574		23.1
	3-Nitroaniline	0.340		20.2
	4-Nitroaniline	0.359		37.4
	Nitrobenzene	0.471		19.7
	Nitrobenzene-d5	0.454		23.3
*	2-Nitrophenol	0.190		12.0
**	4-Nitrophenol	0.262	0.17	23.9
**	N-Nitroso-di-n-propylamine	1.156	1.13	10.4
	N-Nitrosodimethylamine	0.906		16.3
*	n-Nitrosodiphenylamine	0.533		15.6
*	Pentachlorophenol	0.136		2.2
	Phenanthrene	1.086		4.0
*	Phenol	1.680		14.6
	Phenol-d5	1.582		11.0
	Pyrene	1.829		-0.5
	pyridine	1.361		12.7
	Terphenyl-d14	1.059		-11.2
	2,4,6-Tribromophenol	0.083		-13.1
	1,2,4-Trichlorobenzene	0.295		-6.8
	2,4,5-Trichlorophenol	0.394		-6.4
*	2,4,6-Trichlorophenol	0.385		0.2

* Calibration Check Compounds (CCC)
The maximum difference is 20%

** System Performance Check Compound (SPCC)
The minimum response factor for semivolatile SPCC's is 0.05

Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\CCS.D
Acq Time : 20 Sep 100 10:25 am
Sample : Calibration Check Standard
Misc : (5 ng)(10 ng Phenol)
Quant Time: Sep 20 11:15 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

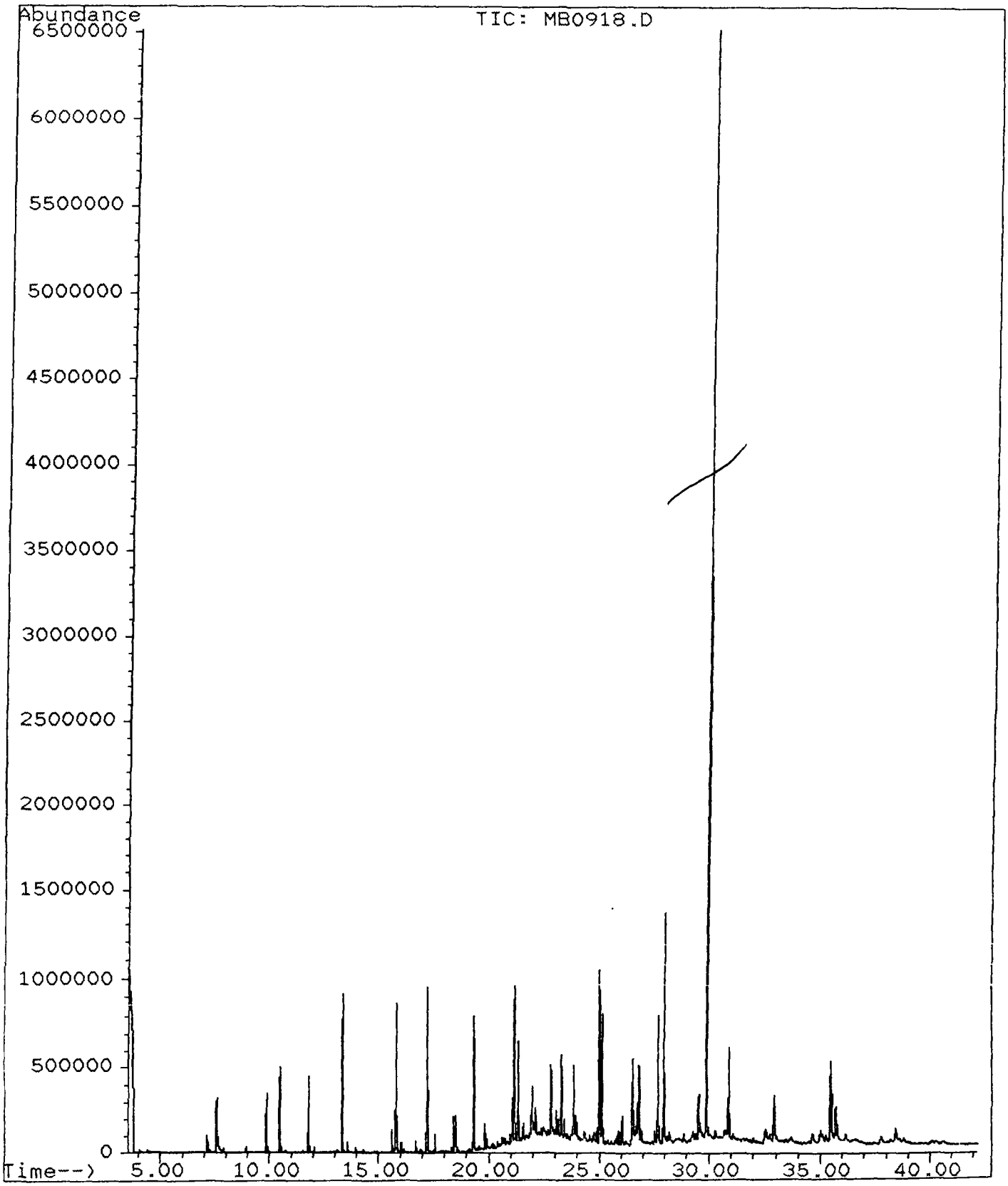
Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	169399	5.00 ng/ul	0.04
19) Naphthalene-d8	13.35	136	608756	5.00 ng/ul	0.04
34) Acenaphthene-d10	17.23	164	385006	5.00 ng/ul	0.04
54) Phenanthrene-d10	21.16	188	603417	5.00 ng/ul	0.05
67) Chrysene-d12	27.67	240	410762	5.00 ng/ul	0.03
75) Perylene-d12	30.91	264	376936	5.00 ng/ul	0.05
System Monitoring Compounds					**%Recovery**
4) 2-Fluorophenol	7.58	112	347169	8.93 ug/l	81.99%
7) Phenol-d5	9.87	99	488411	8.90 ug/l	83.77%
20) Nitrobenzene-d5	11.80	82	211126	3.83 ug/l	93.30%
38) 2-Fluorobiphenyl	15.80	172	466345	5.27 ug/l	102.51%
58) 2,4,6-Tribromophenol	19.32	330	112201	11.31 ug/l	102.84%
69) Terphenyl-d14	25.11	244	477170	5.56 ug/l	102.22%
Target Compounds					**Qvalue**
2) N-Nitrosodimethylamine	4.16	74	131628	4.19 ug/l #	72
3) pyridine	4.16	79	193043	4.37 ug/l #	73
5) bis(2-Chloroethyl)ether	10.04	93	242514	4.49 ug/l	88
6) Aniline	9.85	93	295356	5.12 ug/L #	43
8) Phenol	9.90	94	509338	8.54 ug/l	83
9) 2-Chlorophenol	10.08	128	416205	9.10 ug/l	97
10) 1,3-Dichlorobenzene	10.39	146	234808	4.91 ug/l	97
11) 1,4-Dichlorobenzene	10.52	146	242249	4.81 ug/l	95
12) 1,2-Dichlorobenzene	10.94	146	229355	4.96 ug/l	93
13) Benzyl alcohol	10.91	108	116013	4.23 ug/l #	79
14) bis(2-chloroisopropyl)ethe	11.29	45	383684	5.32 ug/l	90
15) 2-Methylphenol	11.24	108	178317	4.65 ug/l	93
16) Hexachloroethane	11.63	117	109079	4.93 ug/l	94
17) N-Nitroso-di-n-propylamine	11.59	70	192436	4.48 ug/l #	100
18) 4-Methylphenol	11.57	108	178084	4.53 ug/l	94
21) Nitrobenzene	11.84	77	240646	4.01 ug/l #	79
22) Isophorone	12.40	82	466295	4.15 ug/l	97
23) 2-Nitrophenol	12.57	139	203847	8.80 ug/l	92
24) 2,4-Dimethylphenol	12.74	107	486067	10.74 ug/l	98
25) Benzoic acid	12.94	105	54301	4.98 ug/L #	80
26) bis(2-Chloroethoxy)methane	12.94	93	337637	5.01 ug/l #	74
27) 2,4-Dichlorophenol	13.09	162	379527	10.50 ug/l	89
28) 1,2,4-Trichlorobenzene	13.28	180	210011	5.34 ug/l	97
29) Naphthalene	13.39	128	621714	4.77 ug/l	100
30) 4-Chloroaniline	13.60	127	276839	4.97 ug/l	96
31) Hexachlorobutadiene	13.84	225	96965	5.46 ug/l #	70
32) 4-Chloro-3-methylphenol	14.70	107	444932	9.64 ug/l	98
33) 2-Methylnaphthalene	14.93	142	405812	5.18 ug/l #	61
35) Hexachlorocyclopentadiene	15.45	237	89229	4.91 ug/l	93
36) 2,4,6-Trichlorophenol	15.63	196	289233	9.98 ug/l	98
37) 2,4,5-Trichlorophenol	15.69	196	163235	5.32 ug/l	97
39) 2-Chloronaphthalene	15.98	162	421918	4.93 ug/l	89
40) 2-Nitroaniline	16.29	65	154196	3.84 ug/l #	100
41) Acenaphthylene	16.89	152	680688	4.84 ug/l	99
42) Dimethylphthalate	16.80	163	538551	4.94 ug/l	99
43) 2,6-Dinitrotoluene	16.91	165	97241	4.07 ug/l	88
44) Acenaphthene	17.30	153	443190	5.02 ug/l	98
45) 3-Nitroaniline	17.20	138	106059	3.99 ug/l	90
46) 2,4-Dinitrophenol	17.42	184	60714	8.20 ug/l	88
47) Dibenzofuran	17.67	168	603509	5.30 ug/l	92
48) 2,4-Dinitrotoluene	17.79	165	136661	4.24 ug/l	97
49) 4-Nitrophenol	17.60	109	129546	7.61 ug/l #	76
50) Fluorene	18.56	166	496440	5.21 ug/l #	93
51) 4-Chlorophenyl-phenylether	18.61	204	249019	5.47 ug/l #	99
52) Diethylphthalate	18.49	149	551232	4.62 ug/l	86
53) 4-Nitroaniline	18.74	138	67471	3.13 ug/l	87

55) 4,6-Dinitro-2-methylphenol	18.87	198	120237	8.04 ug/l		92
56) n-Nitrosodiphenylamine	18.96	169	300757	4.22 ug/l	#	95
57) Azobenzene	19.06	77	676692	4.16 ug/L		95
59) 4-Bromophenyl-phenylether	20.02	248	144778	5.63 ug/l		95
60) Hexachlorobenzene	20.38	284	186424	6.31 ug/l	#	94
61) Pentachlorophenol	20.85	266	143037	9.78 ug/l		90
62) Phenanthrene	21.32	178	686830	4.80 ug/l		79
63) Anthracene	21.32	178	686830	4.82 ug/l		82
64) Di-n-butylphthalate	22.81	149	926501	4.29 ug/l		95
65) Fluoranthene	24.03	202	746662	5.18 ug/l		96
66) Benzidine	24.40	184	229394	7.09 ug/L		98
68) Pyrene	24.58	202	774535	5.02 ug/l		95
70) Butylbenzylphthalate	26.53	149	398495	3.96 ug/l		88
71) 3,3'-Dichlorobenzidine	27.64	252	100948	3.15 ug/l		88
72) Benzo[a]anthracene	27.64	228	497876	4.53 ug/l		85
73) Chrysene	27.74	228	515392	4.87 ug/l		90
74) bis(2-Ethylhexyl)phthalate	27.95	149	581264	3.87 ug/l		83
76) Di-n-octylphthalate	29.22	149	921050	4.34 ug/l		96
77) Benzo[b]fluoranthene	29.99	252	561360	4.92 ug/l		93
78) Benzo[k]fluoranthene	30.06	252	545665	5.11 ug/l		84
79) Benzo[a]pyrene	30.76	252	533778	5.36 ug/l		96
80) Indeno[1,2,3-cd]pyrene	33.96	276	529743	5.48 ug/l		92
81) Dibenz[a,h]anthracene	34.03	278	467311	5.78 ug/l		87
82) Benzo[g,h,i]perylene	34.85	276	446651	5.46 ug/l	#	98

(#) = qualifier out of range (m) = manual integration
CCS.D LLTRIALQ.M Wed Sep 20 11:16:10 2000 486DX2

File : C:\HPCHEM\1\DATA\9_20_00\MB0918.D
Operator : BD
Acquired : 20 Sep 100 8:18 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Method Blank 9-18-00
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 11



Data File : C:\HPCHEM\1\DATA\9_20_00\MB0918.D
Acq Time : 20 Sep 100 8:18 pm
Sample : Method Blank 9-18-00
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 21:00 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

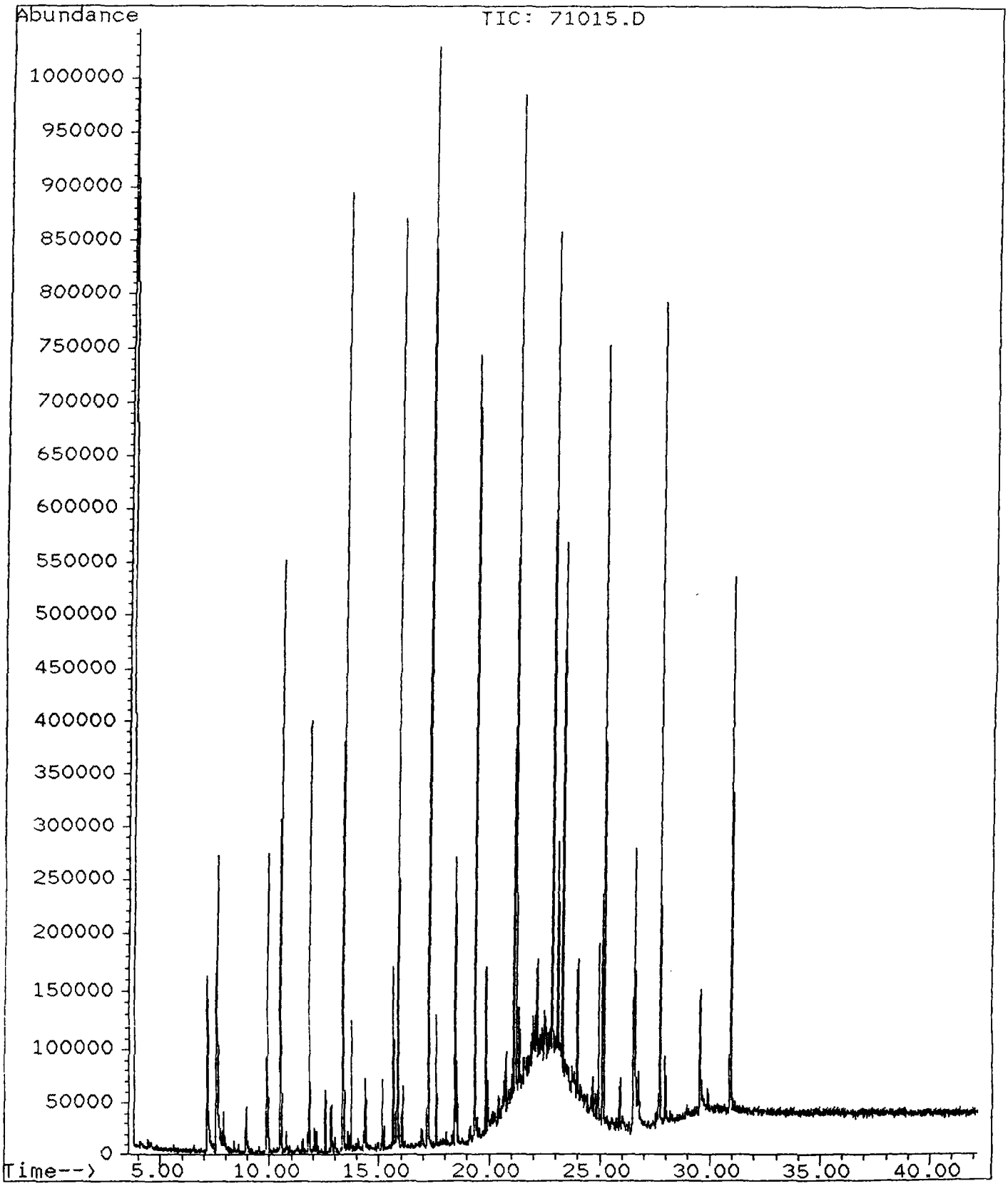
EQL=0.2 ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	184168	5.00	ng/ul		0.03
19) Naphthalene-d8	13.34	136	636306	5.00	ng/ul		0.03
34) Acenaphthene-d10	17.23	164	397807	5.00	ng/ul		0.03
54) Phenanthrene-d10	21.14	188	626294	5.00	ng/ul		0.04
67) Chrysene-d12	27.66	240	476259	5.00	ng/ul		0.02
75) Perylene-d12	30.90	264	414212	5.00	ng/ul		0.03
System Monitoring Compounds							%Recovery
4) 2-Fluorophenol	7.57	112	278406	6.56	ug/l		~~60.74%~~ 64
7) Phenol-d5	9.86	99	234037	3.80	ug/l		~~35.78%~~ 40
20) Nitrobenzene-d5	11.80	82	255299	4.43	ug/l		~~107.87%~~ 83
38) 2-Fluorobiphenyl	15.80	172	449636	4.89	ug/l		~~95.15%~~ 99
58) 2,4,6-Tribromophenol	19.31	330	147777	14.32	ug/l		~~130.17%~~ 98
69) Terphenyl-d14	25.11	244	566600	5.69	ug/l		~~104.65%~~ 108
Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.30	45	296	0.37	ug/l	#	57
25) Benzoic acid	13.35	105	1069	3.62	ug/L	#	1
40) 2-Nitroaniline	16.14	65	303	0.36	ug/l		100
42) Dimethylphthalate	17.23	163	68279	0.46	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	53818	2.38	ug/l	#	21
49) 4-Nitrophenol	17.23	109	748	1.23	ug/l	#	1
52) Diethylphthalate	18.47	149	31435	0.21	ug/l		84
64) Di-n-butylphthalate	22.80	149	329155	1.18	ug/l	1.2	96
70) Butylbenzylphthalate	26.52	149	50420	0.48	ug/l	# 0.48	84
74) bis(2-Ethylhexyl)phthalate	27.93	149	659696	3.78	ug/l	3.8	87
76) Di-n-octylphthalate	29.21	149	63502	0.41	ug/l		96

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

File : C:\HPCHEM\1\DATA\9_20_00\71015.D
Operator : BD
Acquired : 20 Sep 100 11:46 am using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3531
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 1



Data File : C:\HPCHEM\1\DATA\9_20_00\71015.D
Acq Time : 20 Sep 100 11:46 am
Sample : Ecology & Environment DW-EW-3531
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 12:29 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

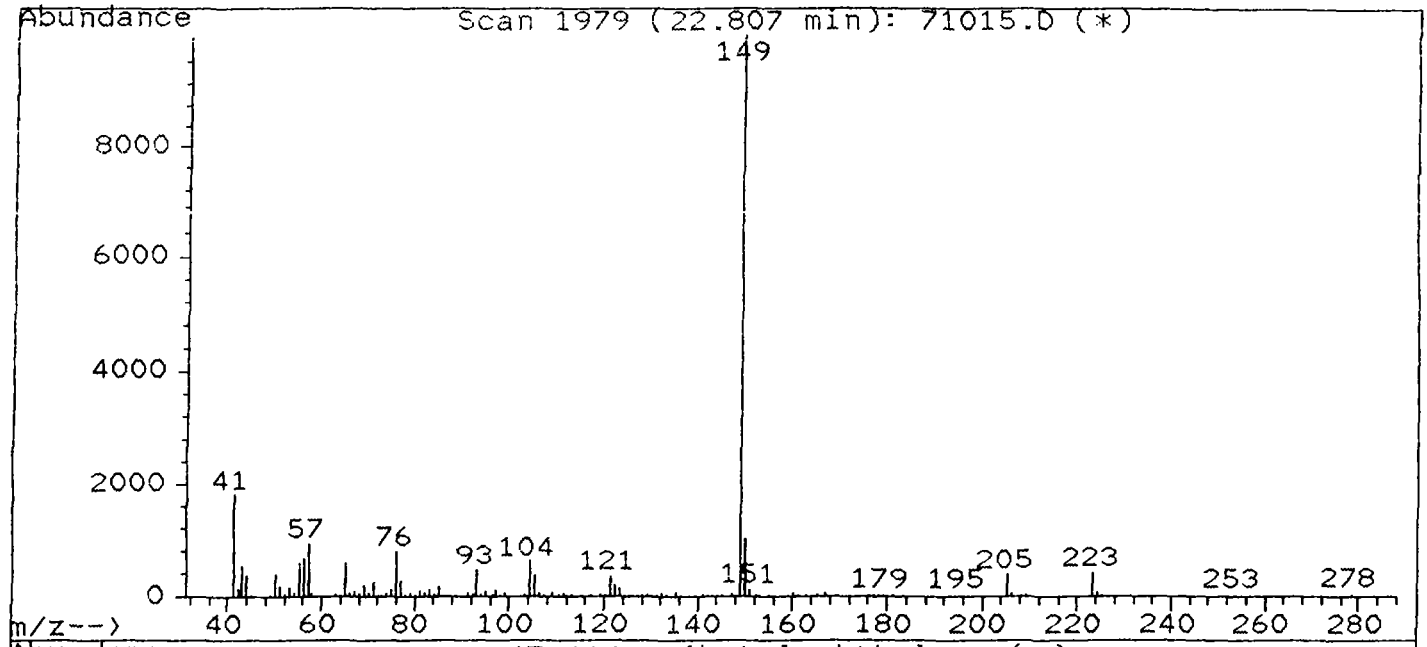
EQL=0.2 ppb
DF=1

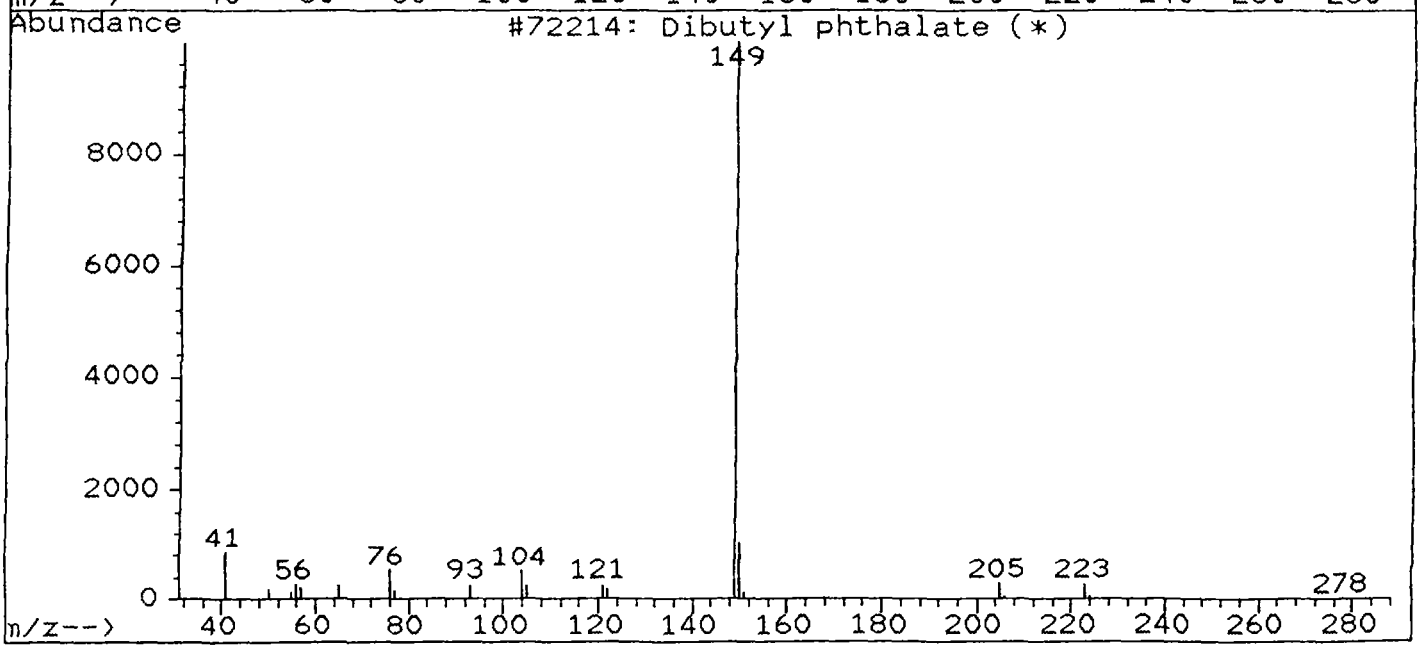
Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	198120	5.00	ng/ul	0.04
19) Naphthalene-d8	13.35	136	620761	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.24	164	424267	5.00	ng/ul	0.04
54) Phenanthrene-d10	21.15	188	672334	5.00	ng/ul	0.04
67) Chrysene-d12	27.67	240	478669	5.00	ng/ul	0.03
75) Perylene-d12	30.91	264	393725	5.00	ng/ul	0.04
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	228536	4.98	ug/l	45.75% 48
7) Phenol-d5	9.86	99	188262	2.79	ug/l	26.23% 29
20) Nitrobenzene-d5	11.81	82	222686	3.97	ug/l	96.49% 75
38) 2-Fluorobiphenyl	15.81	172	429702	4.34	ug/l	84.47% 88
58) 2,4,6-Tribromophenol	19.33	330	142313	12.86	ug/l	116.90% 88
69) Terphenyl-d14	25.13	244	568579	5.68	ug/l	104.49% 108
Target Compounds						Qvalue
14) bis(2-chloroisopropyl)ethe	11.32	45	307	0.37	ug/l	# 57
25) Benzoic acid	12.94	105	340	3.61	ug/L	# 16
40) 2-Nitroaniline	16.08	65	309	~~0.36~~	ug/l	100
42) Dimethylphthalate	17.24	163	72575	0.46	ug/l	# ~~ppb~~ 1
43) 2,6-Dinitrotoluene	17.24	165	57514 mg/L	2.38	ug/l	# 22
45) 3-Nitroaniline	17.59	138	4013	0.08	ug/l	# ppb 58
49) 4-Nitrophenol	17.59	109	368	1.21	ug/l	# 1
52) Diethylphthalate	18.49	149	16925	0.08	ug/l	95
64) Di-n-butylphthalate	22.82	149	643998 0.0025	2.51	ug/l	2.5 93
70) Butylbenzylphthalate	26.53	149	221960 0.0024	0.24	ug/l	#0.24 94
76) Di-n-octylphthalate	29.66	149	1041	0.19	ug/l	68

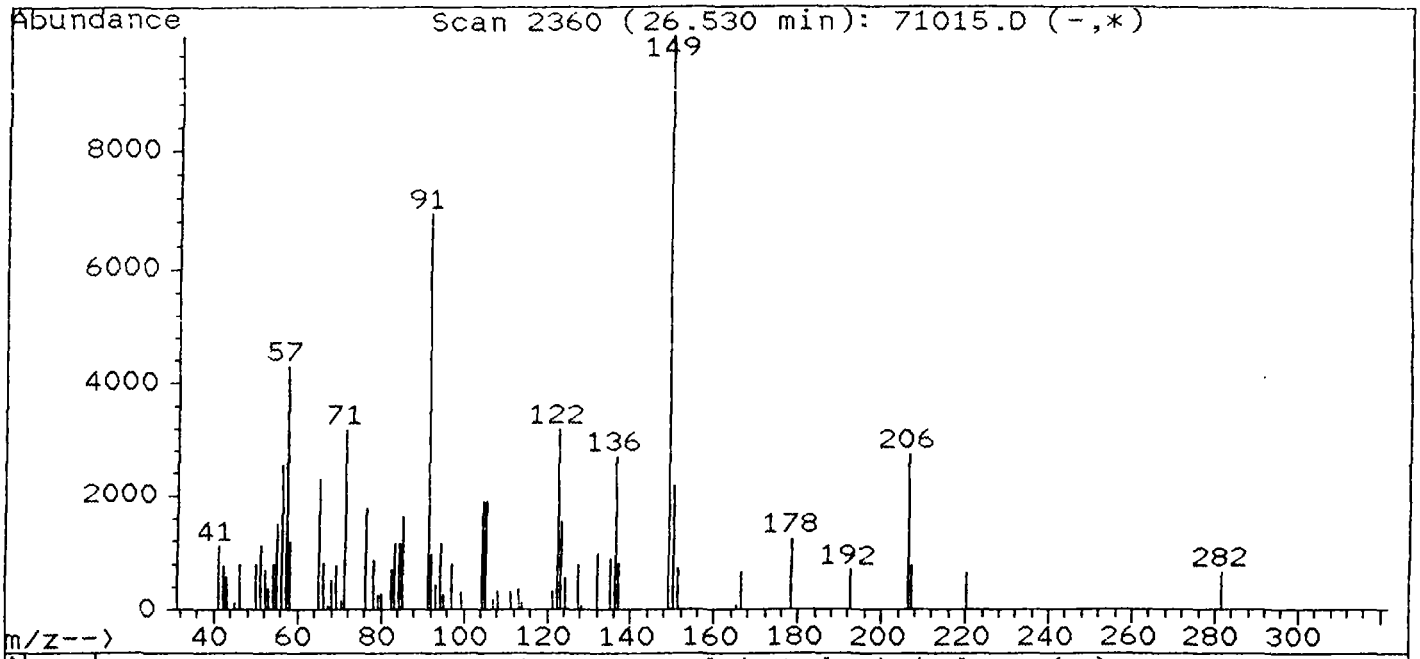
(#) = qualifier out of range (m) = manual integration

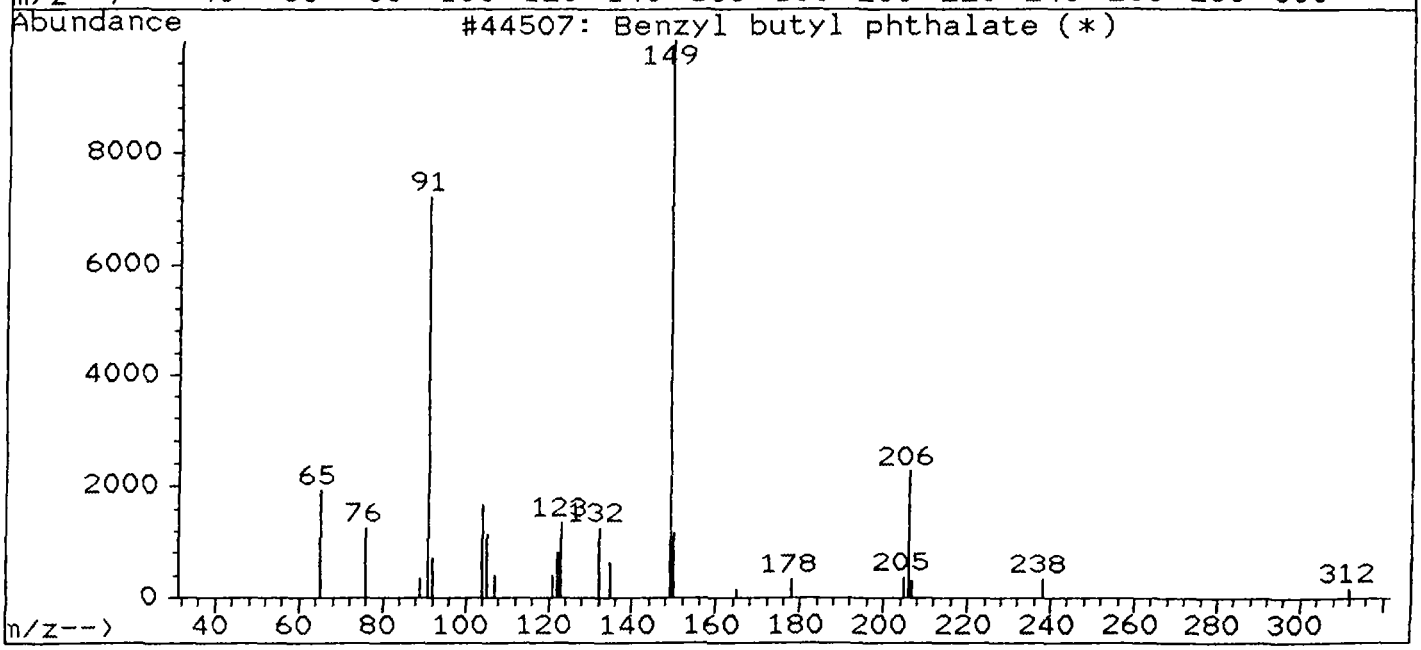
Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate



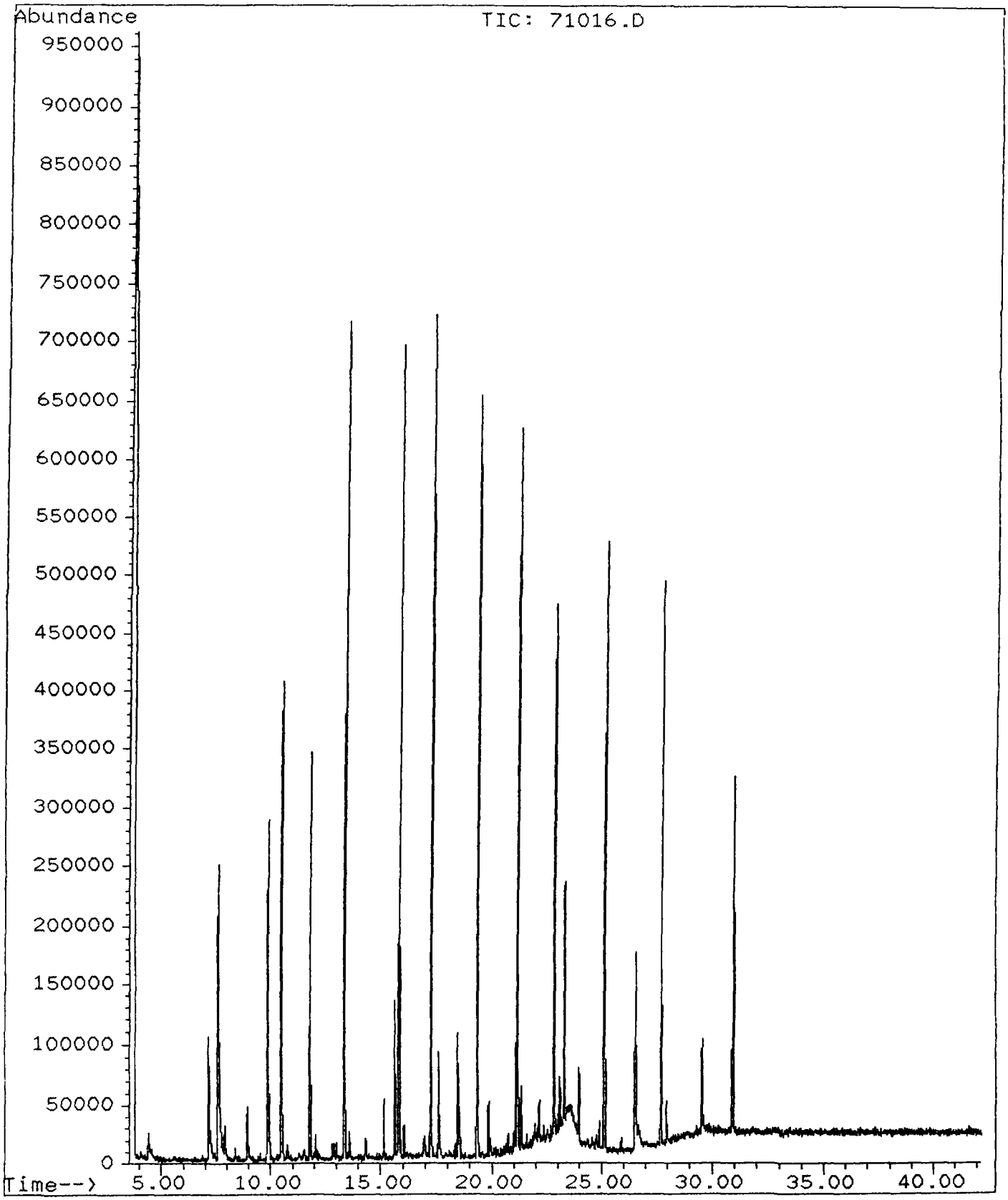


Library Searched : C:\DATABASE\NBS75K.L
Quality : 50
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\71016.D
Operator : BD
Acquired : 20 Sep 100 12:37 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3626
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 2



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71016.D
Acq Time : 20 Sep 100 12:37 pm
Sample : Ecology & Environment DW-EW-3626
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 13:20 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

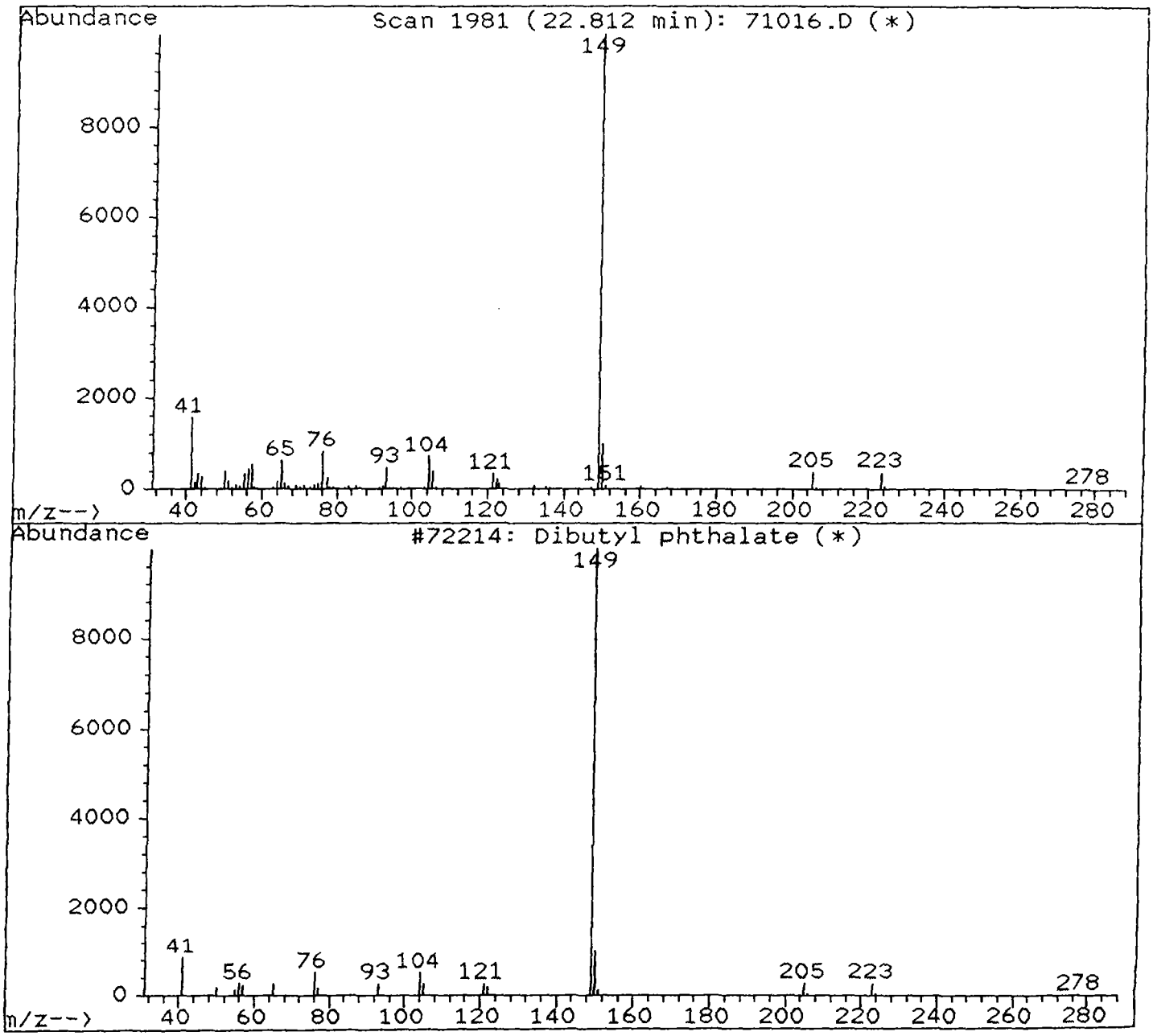
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	163523	5.00	ng/ul	0.04
19) Naphthalene-d8	13.35	136	519538	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.24	164	304620	5.00	ng/ul	0.04
54) Phenanthrene-d10	21.14	188	459122	5.00	ng/ul	0.04
67) Chrysene-d12	27.68	240	275102	5.00	ng/ul	0.04
75) Perylene-d12	30.89	264	247021	5.00	ng/ul	0.03

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	247670	6.57	ug/l	~~60.36%~~ 64
7) Phenol-d5	9.86	99	199155	3.63	ug/l	~~34.20%~~ 38
20) Nitrobenzene-d5	11.80	82	197412	4.20	ug/l	~~102.18%~~ 79
38) 2-Fluorobiphenyl	15.80	172	354266	5.04	ug/l	~~98.12%~~ 102
58) 2,4,6-Tribromophenol	19.33	330	95255	12.61	ug/l	~~114.60%~~ 86
69) Terphenyl-d14	25.11	244	366166	6.36	ug/l	~~116.92%~~ 121

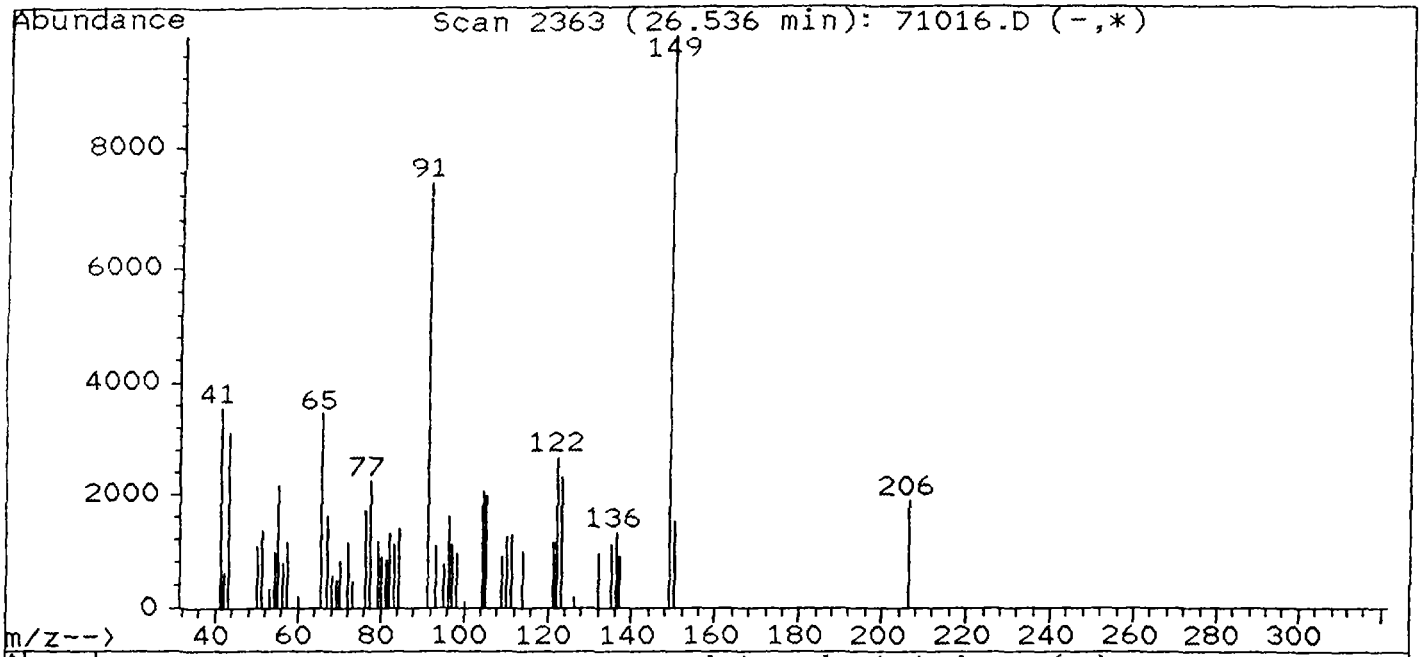
Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.28	45	301	0.37	ug/l	#	57
25) Benzoic acid	12.99	105	327	3.61	ug/L	#	1
42) Dimethylphthalate	17.23	163	52448	0.46	ug/l	#	1
43) 2,6-Dinitrotoluene	17.24	165	42837	2.46	ug/l	#	21
45) 3-Nitroaniline	17.59	138	3086	0.09	ug/l	# ppb	66
49) 4-Nitrophenol	17.23	109	360 mg/L	1.21	ug/l	#	3
52) Diethylphthalate	18.48	149	12455	0.09	ug/l		86
64) Di-n-butylphthalate	22.81	149	363730 0.00202	2.00	ug/l	2.0	97
70) Butylbenzylphthalate	26.54	149	13619 0.00026	0.26	ug/l	0.26	97
76) Di-n-octylphthalate	29.23	149	1048	0.19	ug/l		71

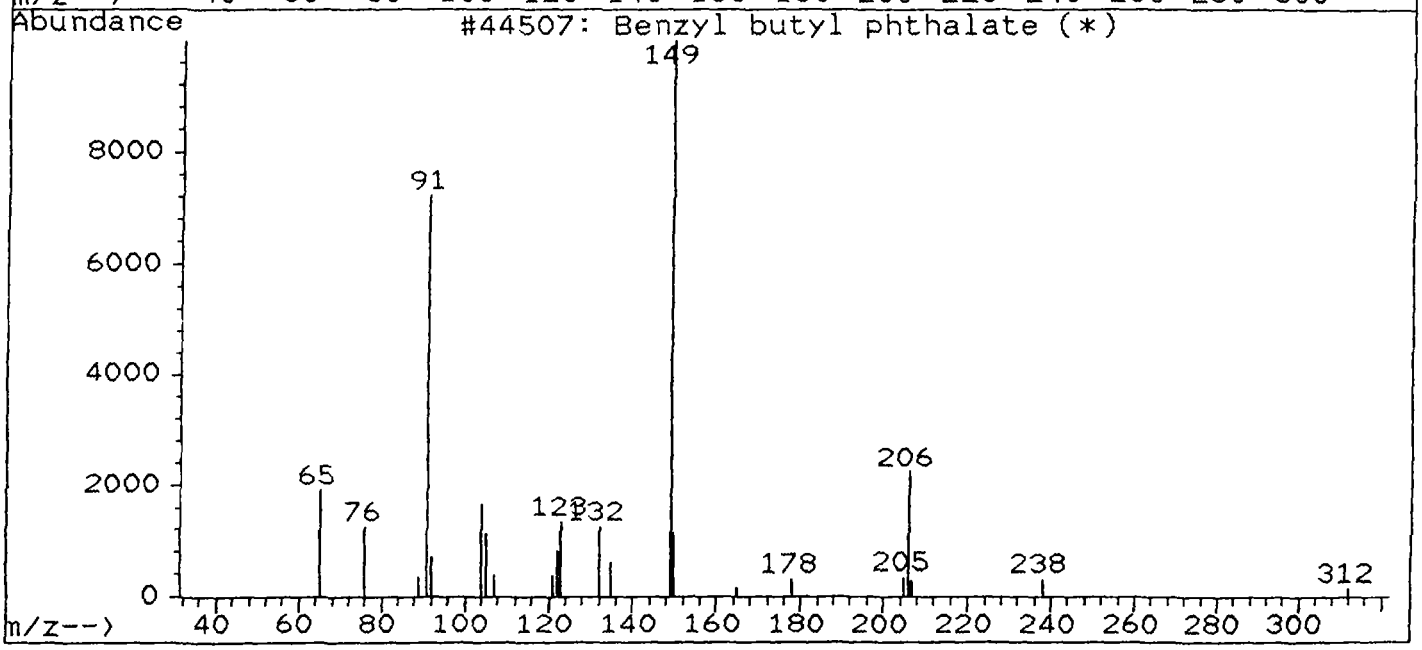
(#) = qualifier out of range (m) = manual integration

Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate

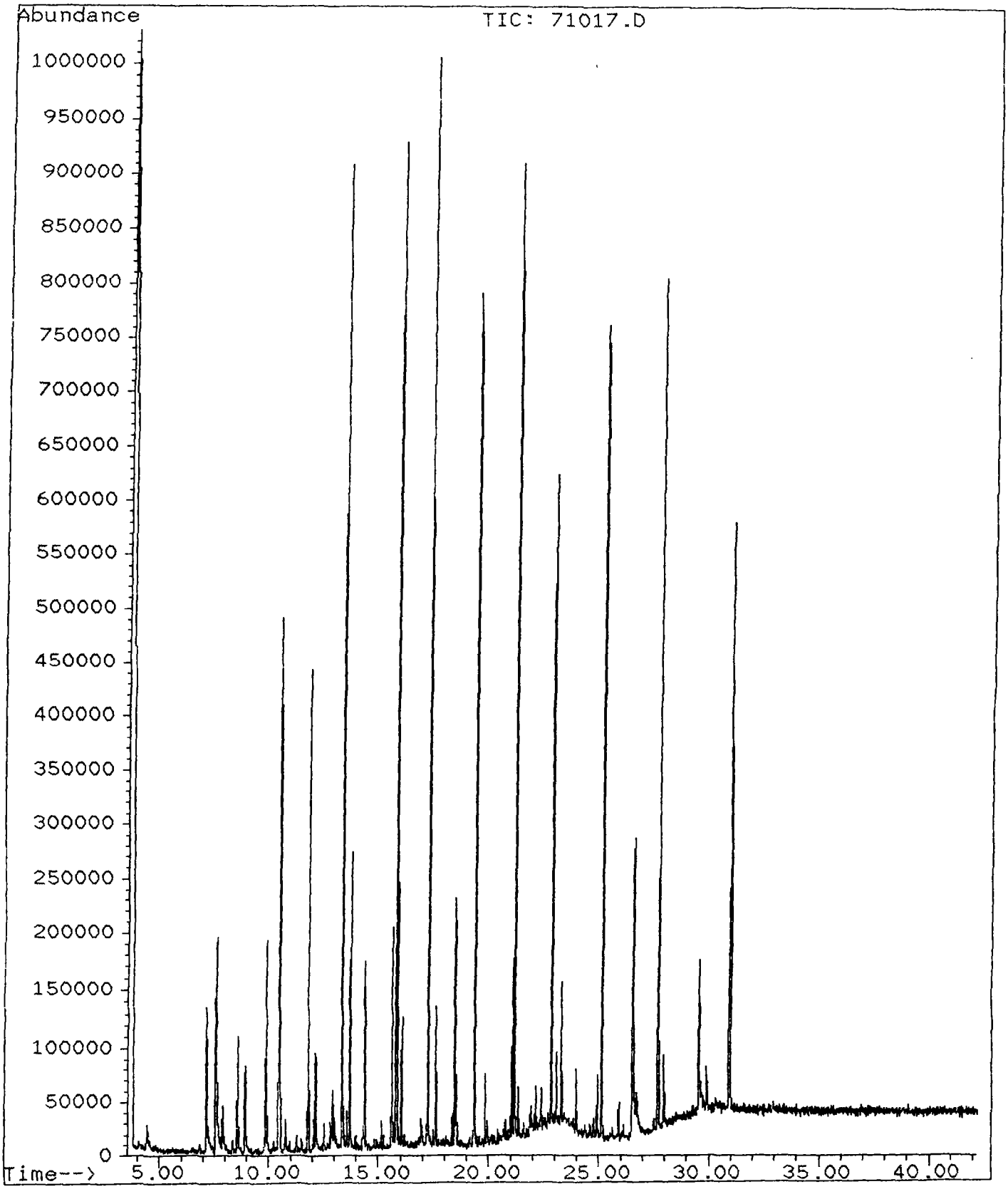


Library Searched : C:\DATABASE\NBS75K.L
Quality : 53
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\71017.D
Operator : BD
Acquired : 20 Sep 100 1:29 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3640
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 3



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71017.D
Acq Time : 20 Sep 100 1:29 pm
Sample : Ecology & Environment DW-EW-3640
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 14:11 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

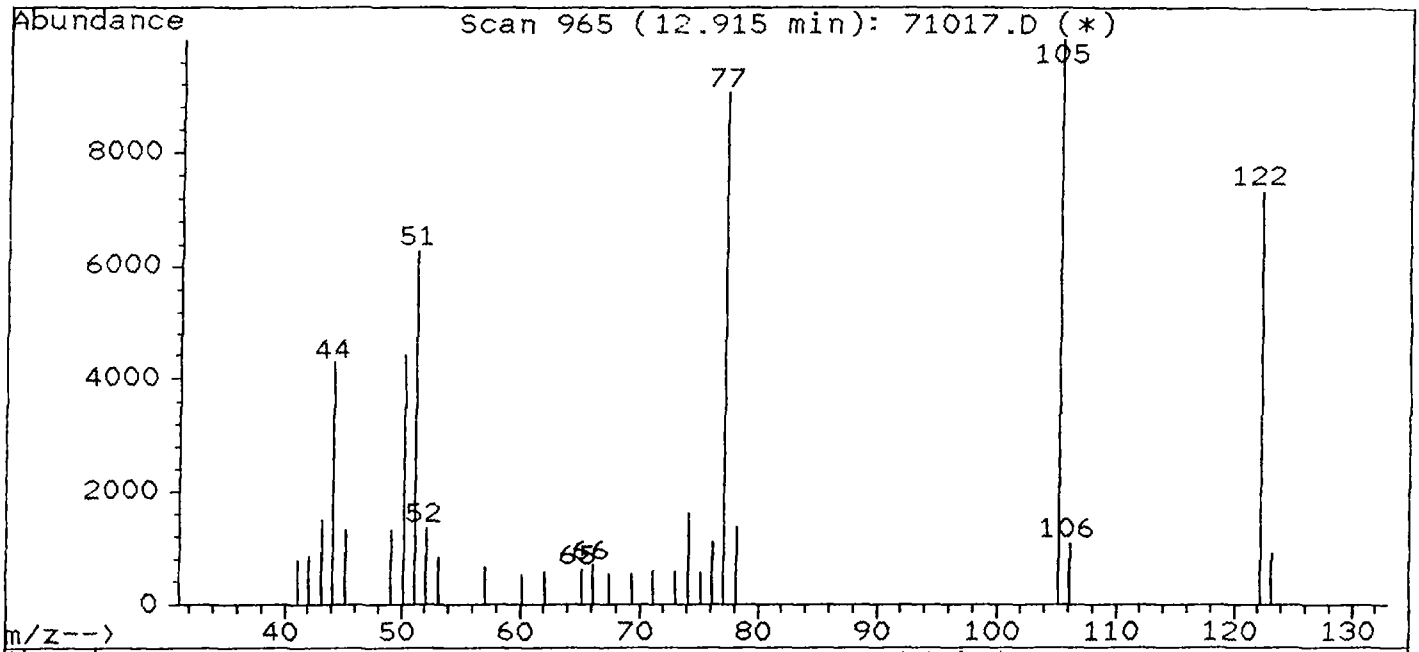
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	186006	5.00	ng/ul	0.04
19) Naphthalene-d8	13.35	136	657481	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.23	164	400460	5.00	ng/ul	0.04
54) Phenanthrene-d10	21.15	188	634909	5.00	ng/ul	0.04
67) Chrysene-d12	27.67	240	470527	5.00	ng/ul	0.04
75) Perylene-d12	30.91	264	423309	5.00	ng/ul	0.05

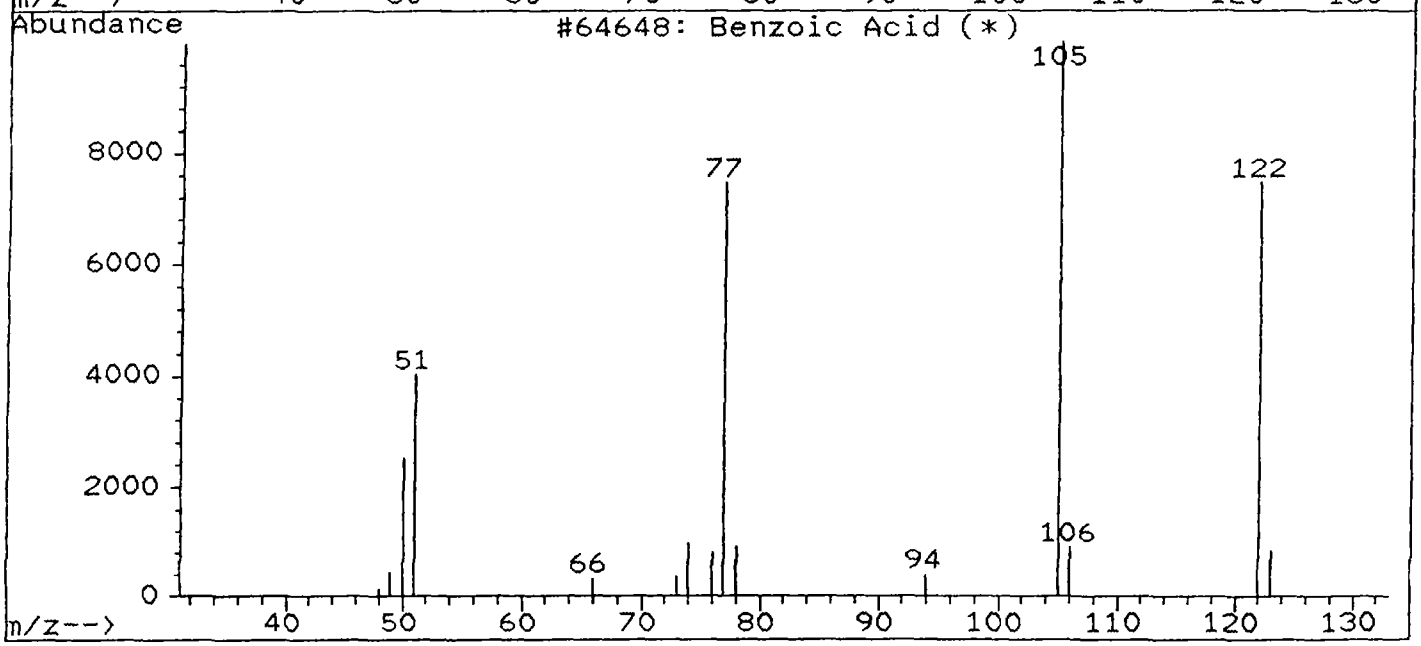
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	165499	3.82	ug/l	~~35.08%~~ 37
7) Phenol-d5	9.86	99	121823	1.85	ug/l	~~17.44%~~ 19
20) Nitrobenzene-d5	11.80	82	231687	3.90	ug/l	~~94.79%~~ 73
38) 2-Fluorobiphenyl	15.80	172	445109	4.80	ug/l	~~98.44%~~ 97
58) 2,4,6-Tribromophenol	19.33	330	157890	15.08	ug/l	~~137.13%~~ 103
69) Terphenyl-d14	25.12	244	570762	5.80	ug/l	~~106.68%~~ 110

Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.32	45	1336	0.38	ug/l	#	57
25) Benzoic acid	12.92	105	40118	4.55	ug/L	<EQL	94
42) Dimethylphthalate	17.23	163	68495	0.46	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	57580	2.50	ug/l	#	22
45) 3-Nitroaniline	17.59	138	3306	0.06	ug/l	#	60
49) 4-Nitrophenol	17.22	109	685 mg/L	1.22	ug/l	# RPD	9
52) Diethylphthalate	18.48	149	15117	0.07	ug/l		92
64) Di-n-butylphthalate	22.81	149	492522 0.0020	1.95	ug/l	2.0	95
70) Butylbenzylphthalate	26.53	149	212030 0.0024	0.24	ug/l	#0.24	89
76) Di-n-octylphthalate	29.22	149	2530	0.19	ug/l		75

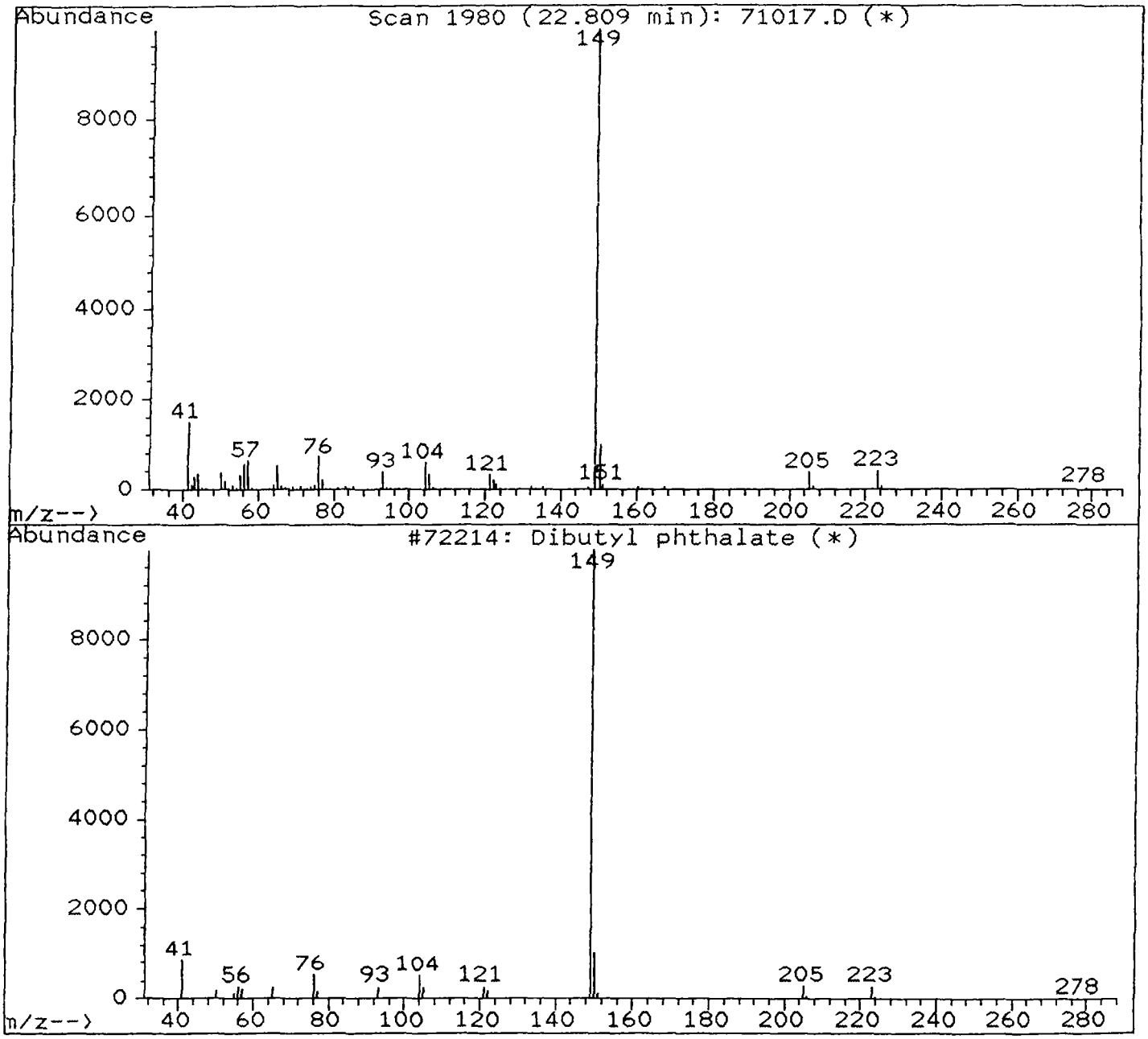
(#) = qualifier out of range (m) = manual integration

Library Searched : C:\DATABASE\NBS75K.L
Quality : 94
ID : Benzoic Acid

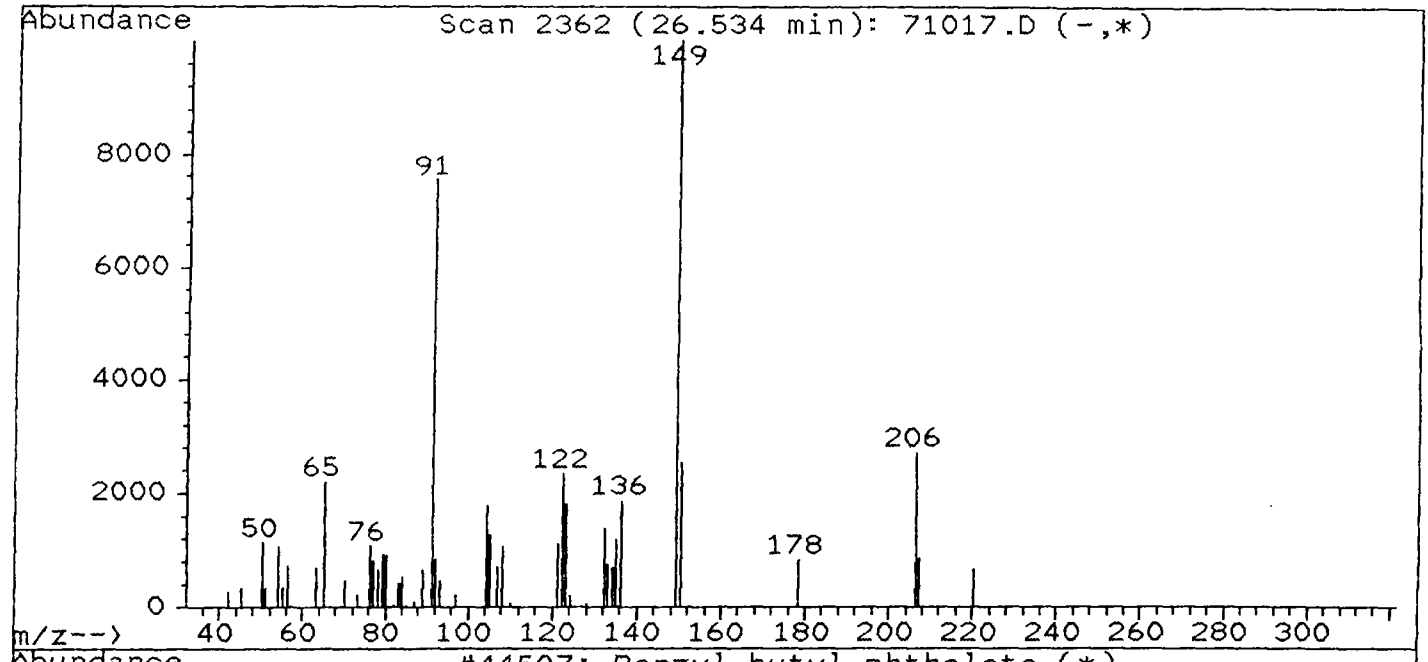


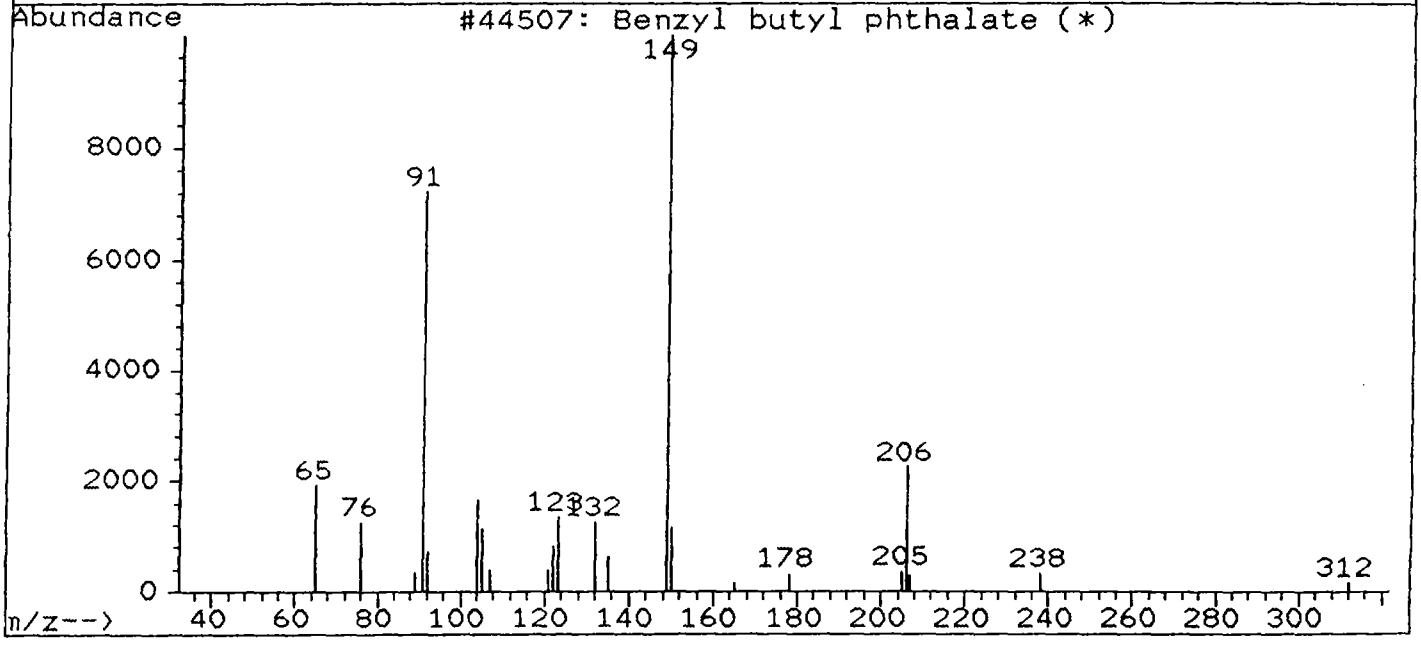


Library Searched : C:\DATABASE\NBS75K.L
Quality : 96
ID : Dibutyl phthalate

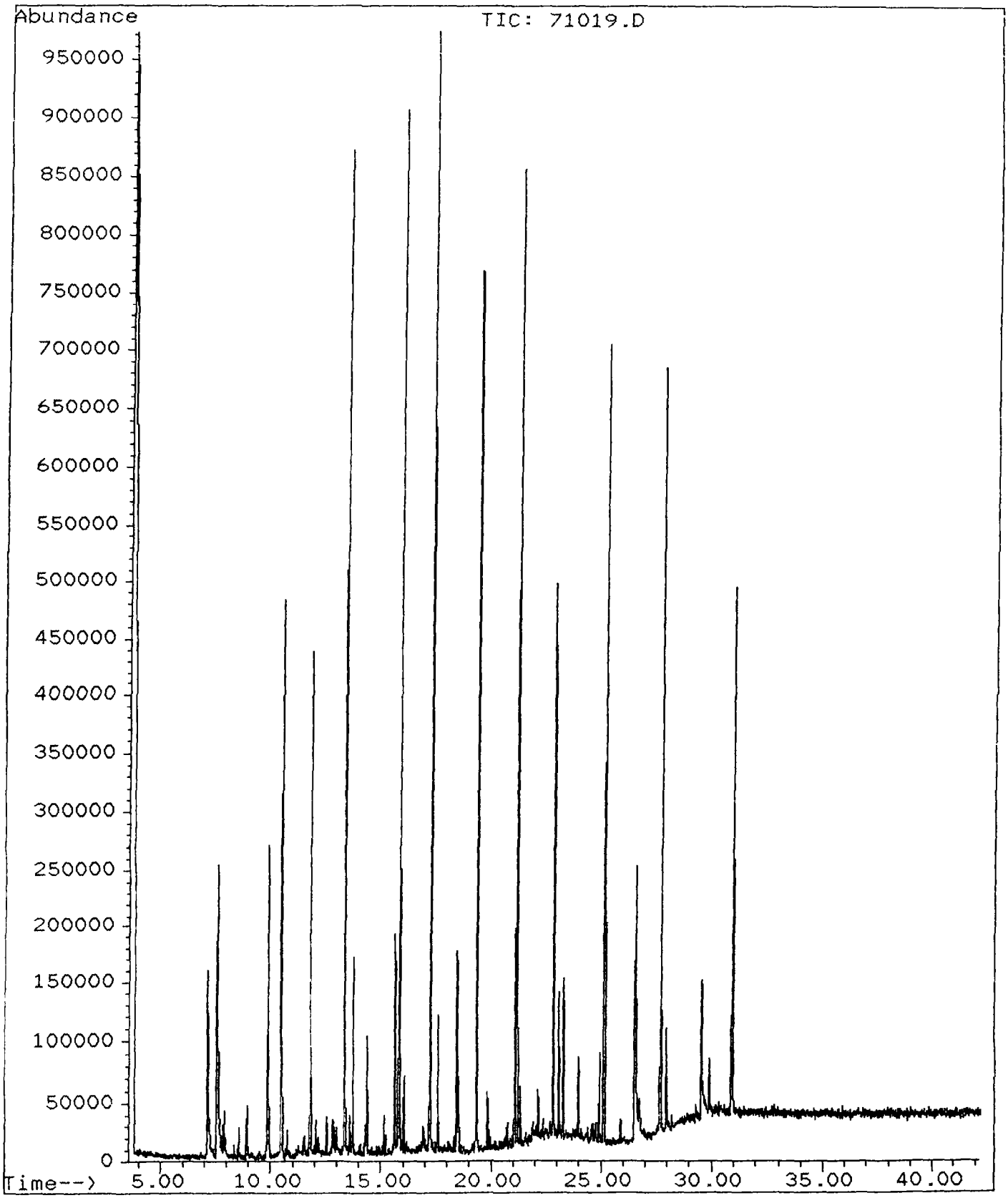


Library Searched : C:\DATABASE\NBS75K.L
Quality : 64
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\71019.D
Operator : BD
Acquired : 20 Sep 100 2:19 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3539
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 4



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71019.D
Acq Time : 20 Sep 100 2:19 pm
Sample : Ecology & Environment DW-EW-3539
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 15:02 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

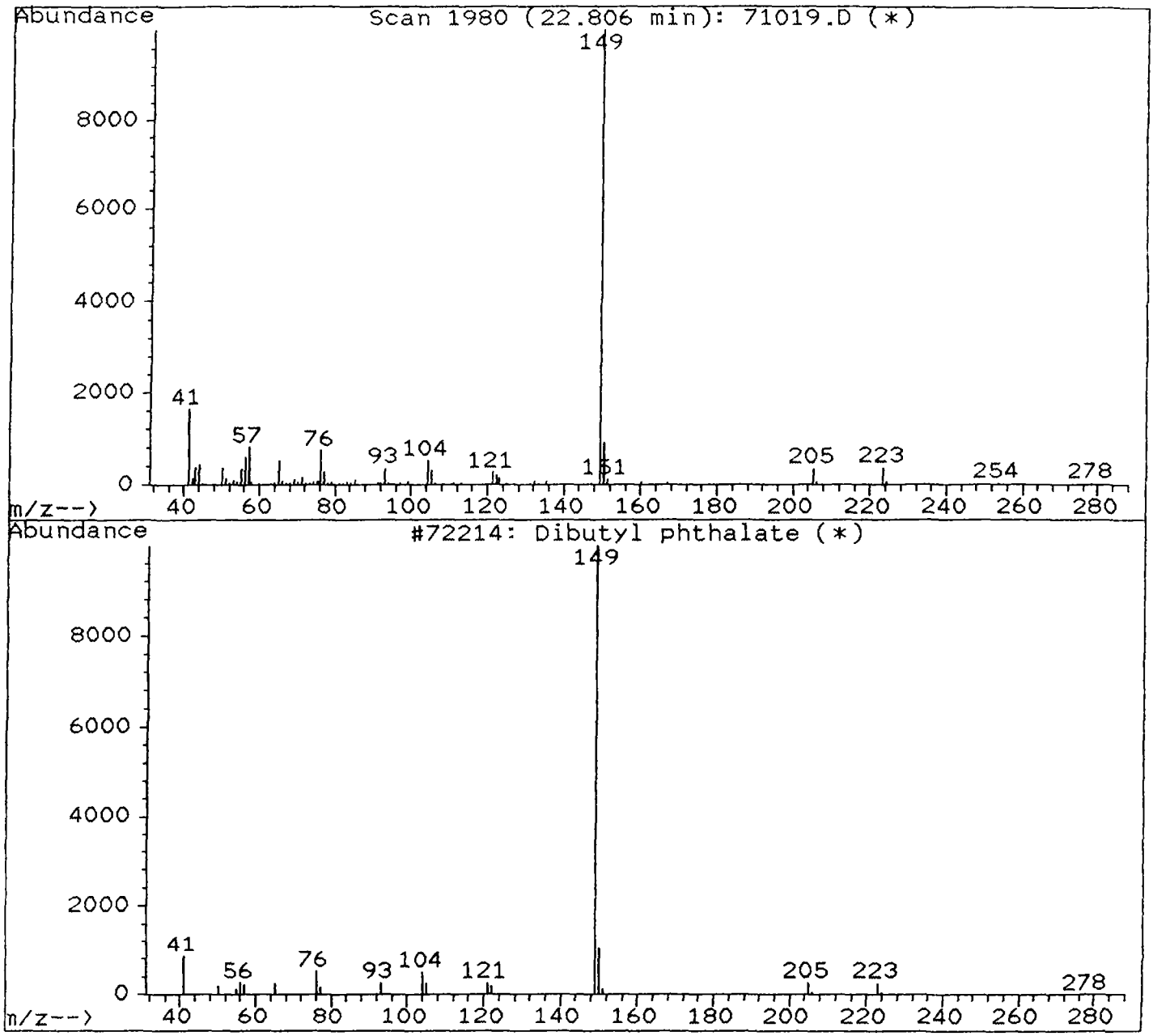
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	186718	5.00	ng/ul	0.04
19) Naphthalene-d8	13.35	136	626249	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.23	164	382127	5.00	ng/ul	0.03
54) Phenanthrene-d10	21.15	188	607640	5.00	ng/ul	0.04
67) Chrysene-d12	27.68	240	408094	5.00	ng/ul	0.04
75) Perylene-d12	30.90	264	371409	5.00	ng/ul	0.03

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	218228	5.05	ug/l	~~46.37%~~ 49
7) Phenol-d5	9.86	99	175877	2.76	ug/l	~~35.99%~~ 29
20) Nitrobenzene-d5	11.80	82	246723	4.35	ug/l	~~105.93%~~ 82
38) 2-Fluorobiphenyl	15.80	172	441422	5.01	ug/l	~~97.41%~~ 101
58) 2,4,6-Tribromophenol	19.33	330	164422	16.40	ug/l	~~149.10%~~ 112
69) Terphenyl-d14	25.12	244	542801	6.36	ug/l	~~116.84%~~ 121

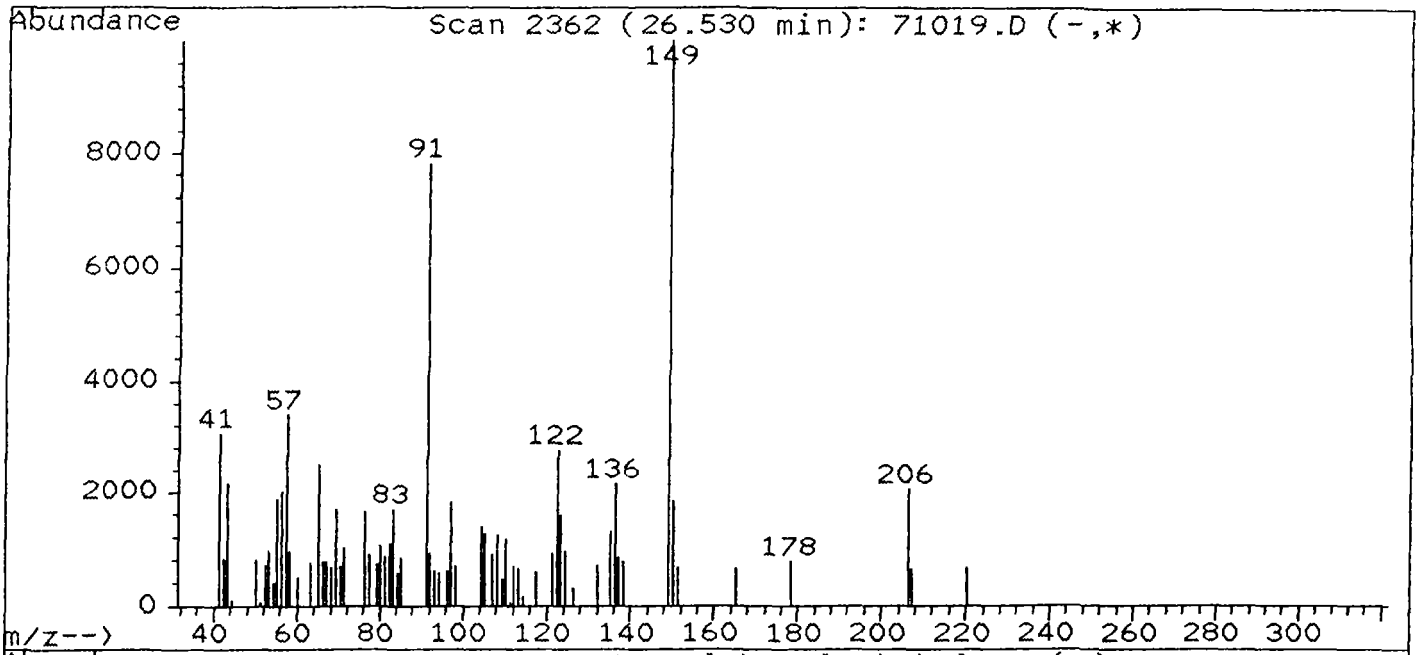
Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.32	45	765	0.38	ug/l	#	57
25) Benzoic acid	12.88	105	12770	3.91	ug/L	<EQL	89
42) Dimethylphthalate	17.23	163	65261	0.46	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	53436	2.45	ug/l	#	22
45) 3-Nitroaniline	17.59	138	3036	0.06	ug/l	#	55
49) 4-Nitrophenol	17.24	109	341 mg/L	1.21	ug/l	# ppb	1
52) Diethylphthalate	18.48	149	16168	0.09	ug/l		82
64) Di-n-butylphthalate	22.81	149	368315 0.0014	1.43	ug/l	1.4	93
70) Butylbenzylphthalate	26.53	149	18425 0.00024	0.24	ug/l	# 0.24	83
76) Di-n-octylphthalate	29.21	149	987	0.19	ug/l		71

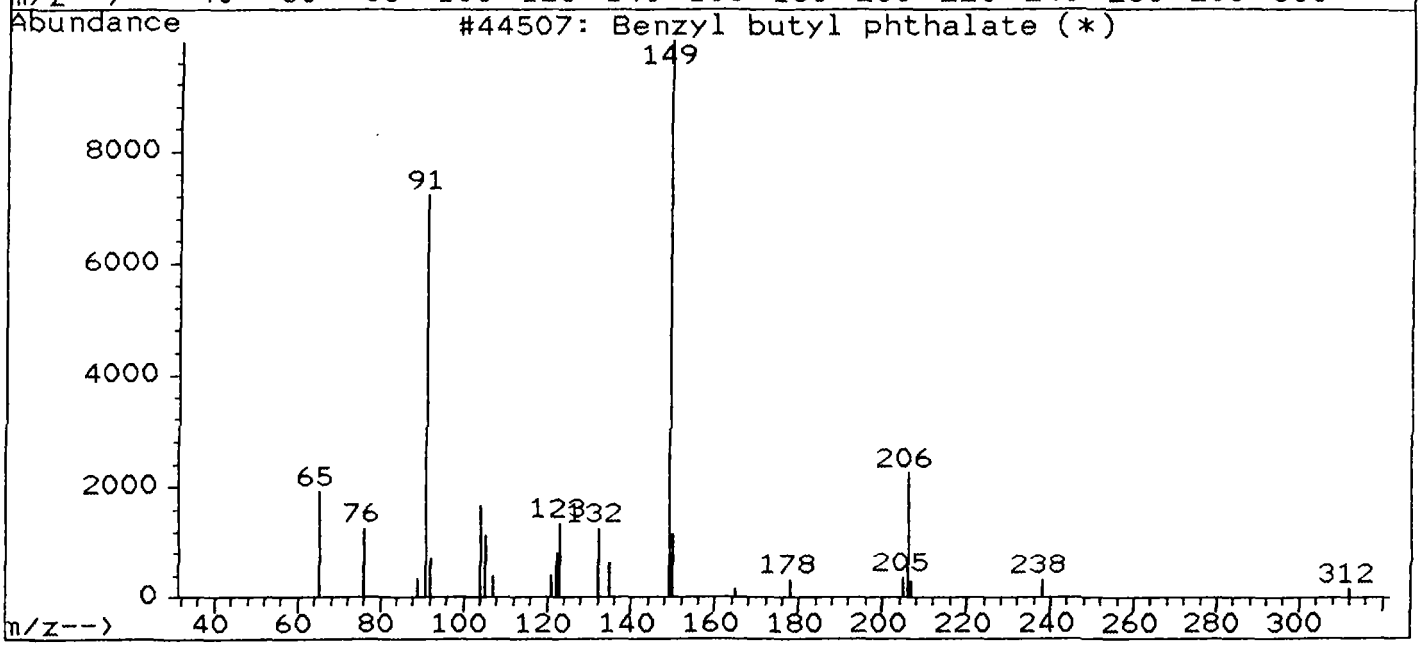
(#) = qualifier out of range (m) = manual integration

Library Searched : C:\DATABASE\NBS75K.L
Quality : 96
ID : Dibutyl phthalate

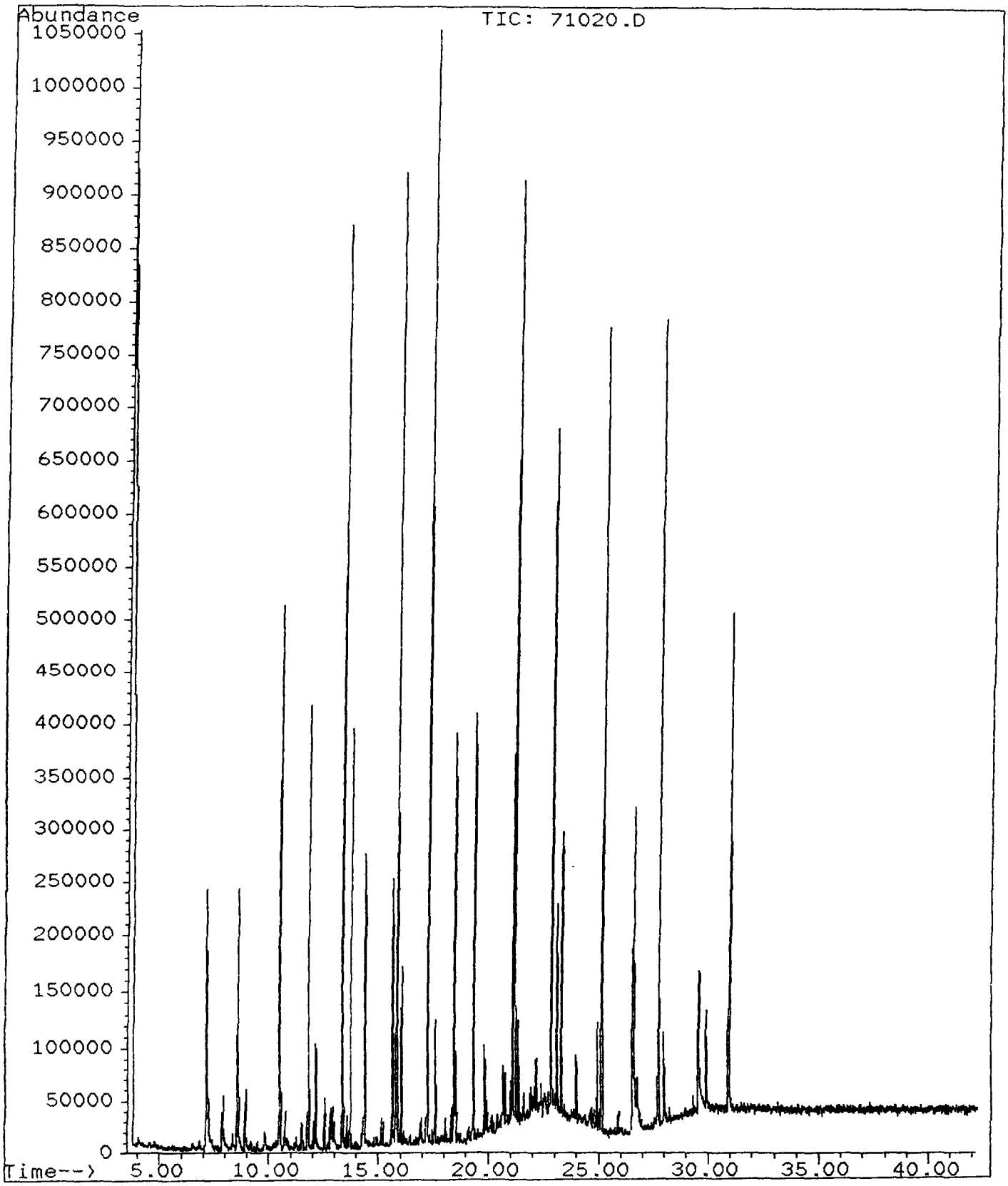


Library Searched : C:\DATABASE\NBS75K.L
Quality : 59
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\71020.D
Operator : BD
Acquired : 20 Sep 100 3:10 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3488
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 5



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71020.D
Acq Time : 20 Sep 100 3:10 pm
Sample : Ecology & Environment DW-EW-3488
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 15:53 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

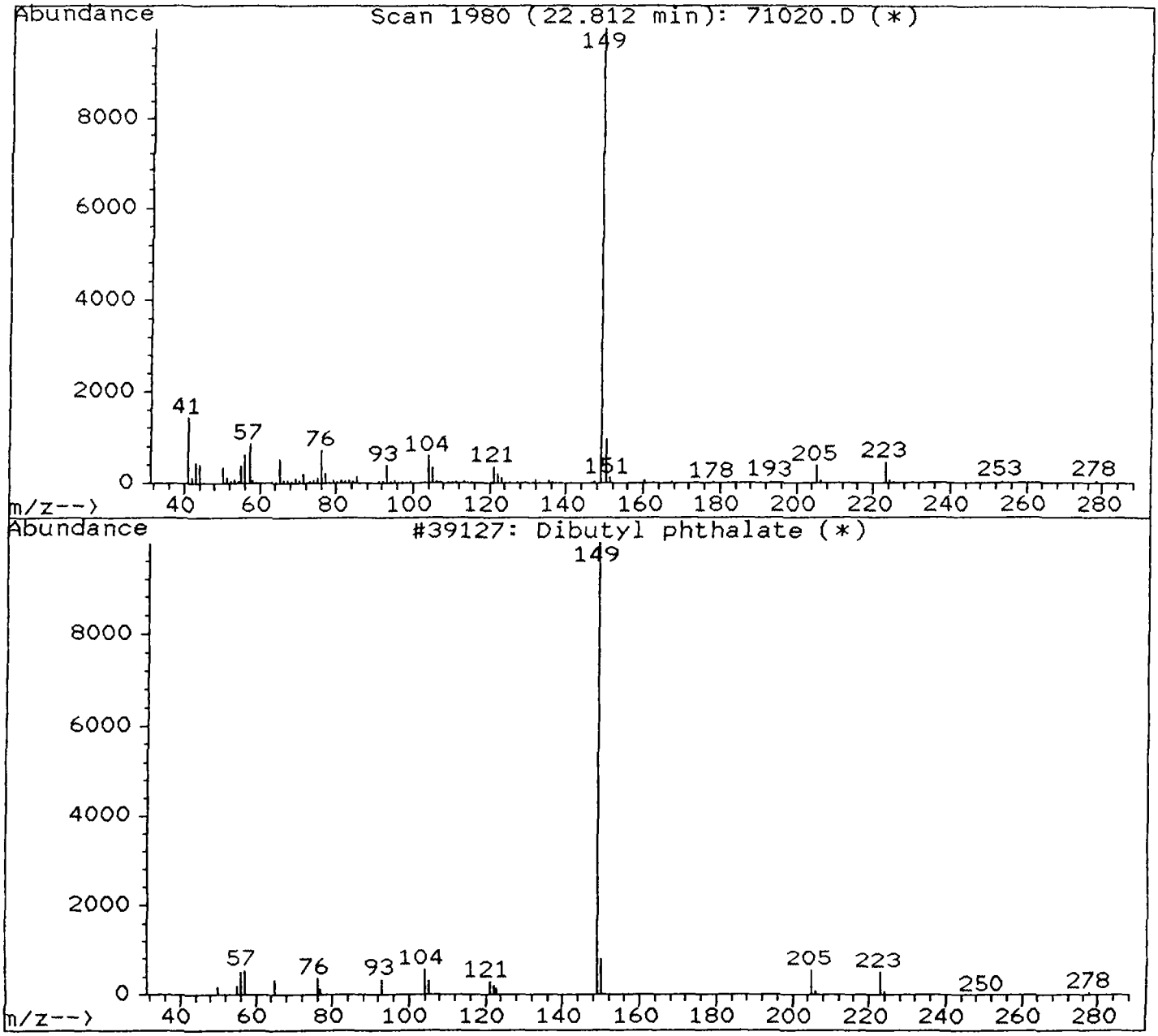
EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

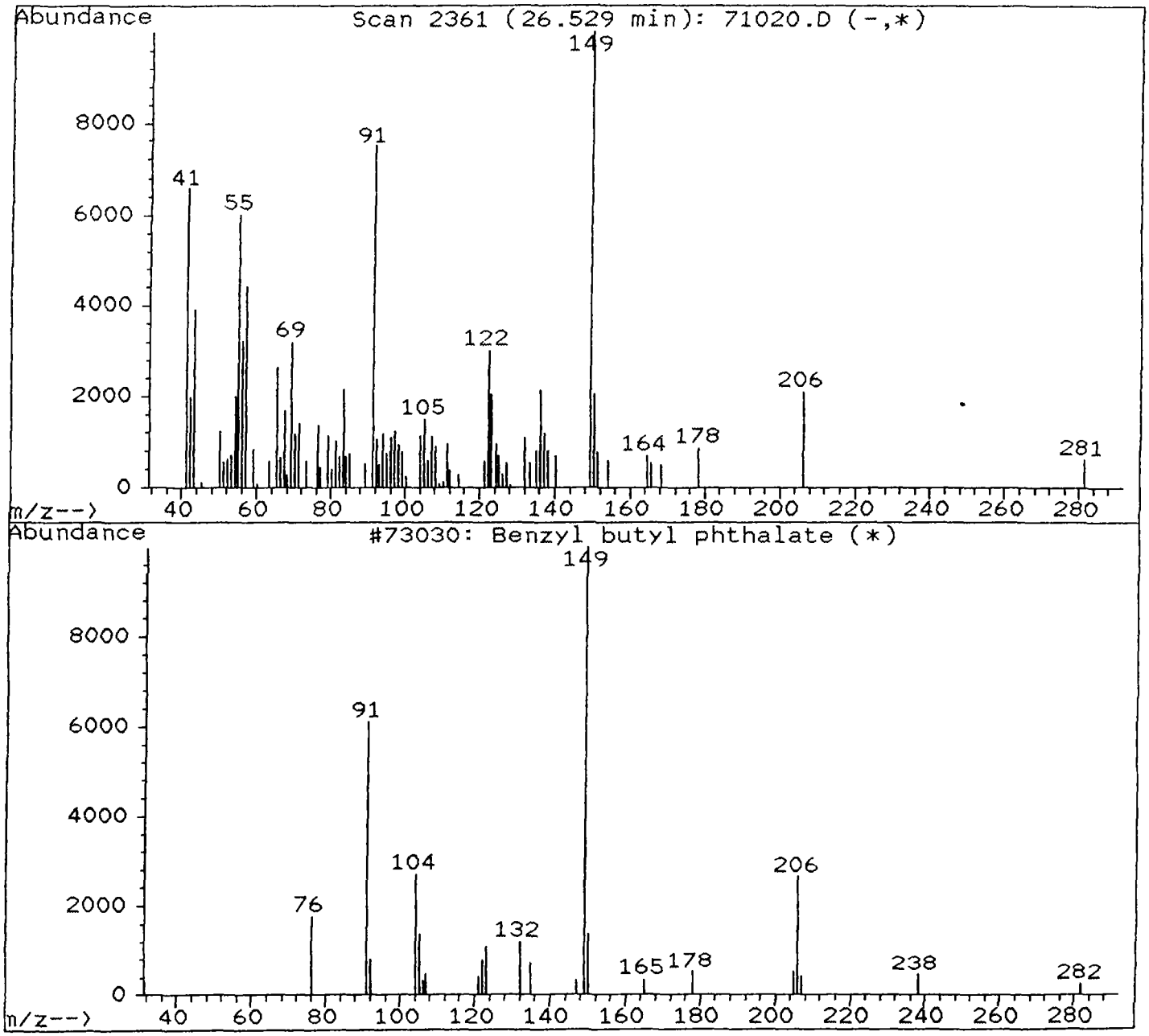
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.48	152	194408	5.00	ng/ul	0.04
19) Naphthalene-d8	13.35	136	606258	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.23	164	408650	5.00	ng/ul	0.04
54) Phenanthrene-d10	21.15	188	634530	5.00	ng/ul	0.05
67) Chrysene-d12	27.67	240	457084	5.00	ng/ul	0.03
75) Perylene-d12	30.90	264	391340	5.00	ng/ul	0.03
System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	2228	-0.05	ug/l	~~-0.45%~~ <1
7) Phenol-d5	9.86	99	2327	-0.18	ug/l	~~-1.70%~~ <1
20) Nitrobenzene-d5	11.80	82	228165	4.16	ug/l	~~101.21%~~ 78
38) 2-Fluorobiphenyl	15.80	172	436770	4.60	ug/l	~~89.56%~~ 93
58) 2,4,6-Tribromophenol	19.33	330	80431	7.75	ug/l	~~70.49%~~ 53
69) Terphenyl-d14	25.12	244	566480	5.93	ug/l	~~108.96%~~ 113
Target Compounds						Qvalue
14) bis(2-chloroisopropyl)ethe	11.32	45	606	0.38	ug/l	# 57
25) Benzoic acid	12.91	105	26765	4.28	ug/L	#<EQL 79
42) Dimethylphthalate	17.23	163	67385	0.44	ug/l	# 1
43) 2,6-Dinitrotoluene	17.23	165	55995	2.41	ug/l	# 21
45) 3-Nitroaniline	17.59	138	4035	0.09	ug/l	# ppb 51
49) 4-Nitrophenol	17.24	109	901 mg/L	1.23	ug/l	# 12
52) Diethylphthalate	18.48	149	19795	0.11	ug/l	86
64) Di-n-butylphthalate	22.81	149	513969 0.0026	2.06	ug/l	2.1 95
70) Butylbenzylphthalate	26.53	149	23289 0.00026	0.26	ug/l	# 0.26 86
76) Di-n-octylphthalate	29.66	149	696	0.19	ug/l	71

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

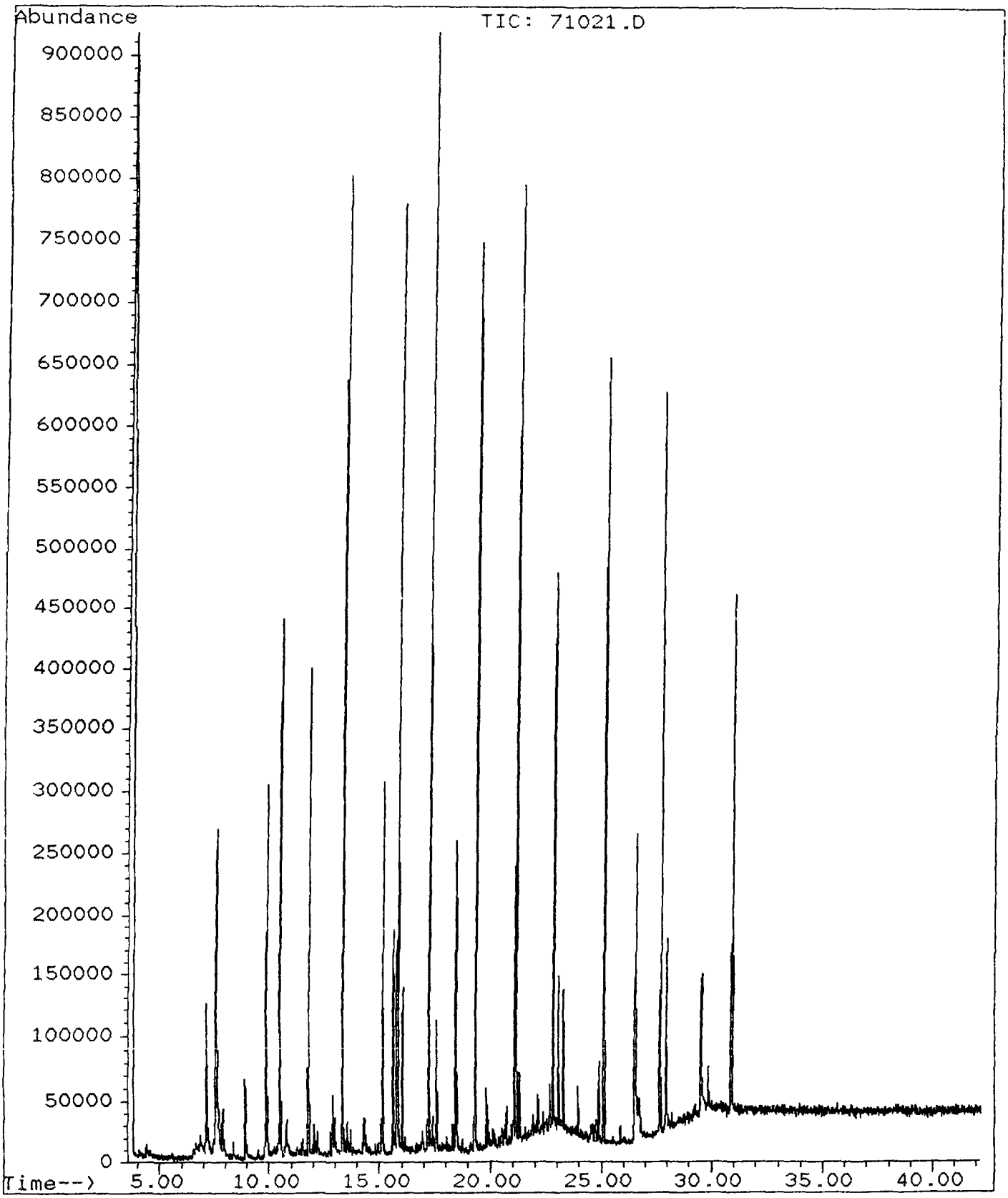
Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate



Library Searched : C:\DATABASE\NBS75K.L
Quality : 43
ID : Benzyl butyl phthalate



File : C:\HPCHEM\1\DATA\9_20_00\71021.D
Operator : BD
Acquired : 20 Sep 100 4:01 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3417
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 6



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71021.D
Acq Time : 20 Sep 100 4:01 pm
Sample : Ecology & Environment DW-EW-3417
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 16:44 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2 ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

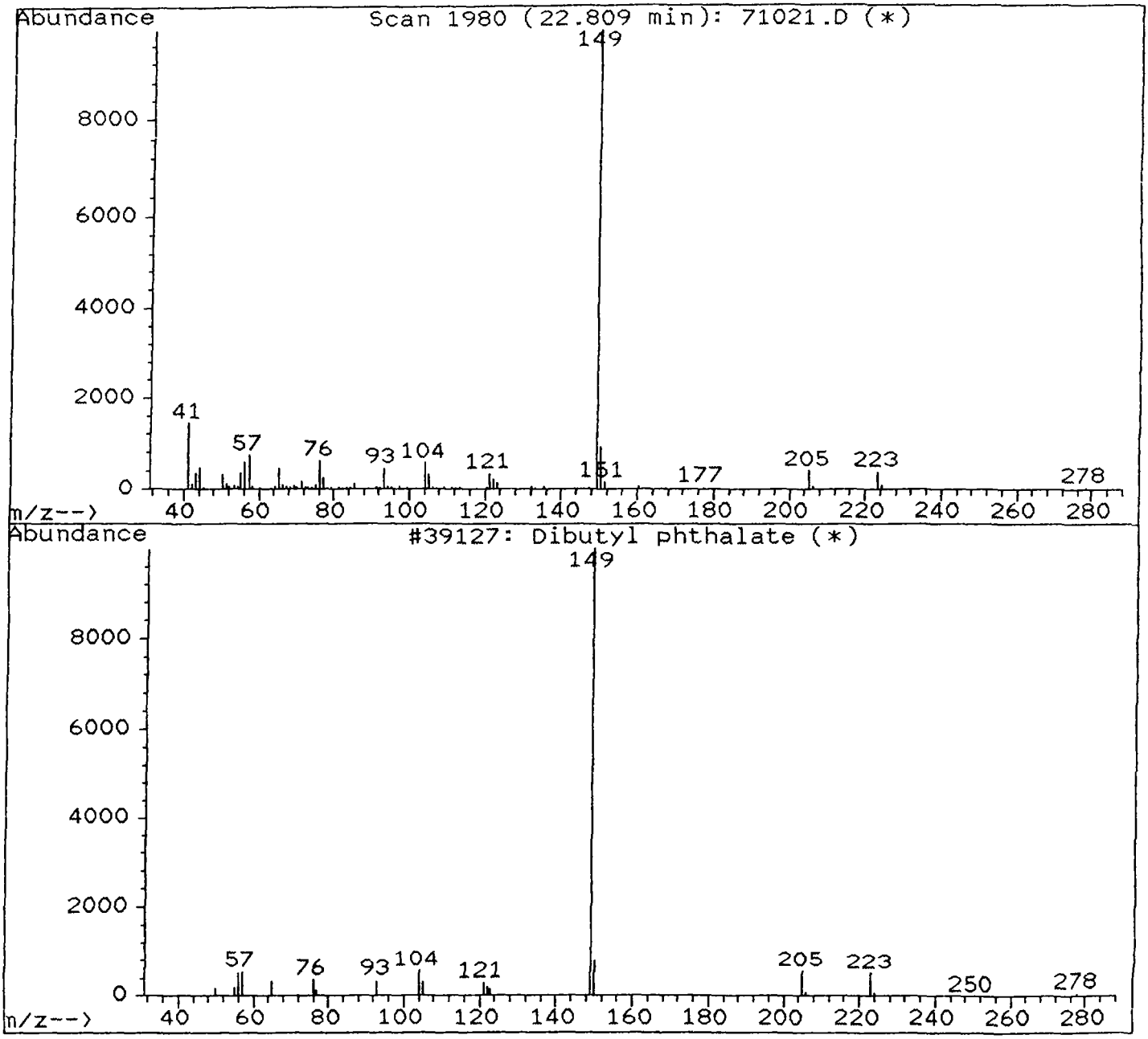
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	174396	5.00 ng/ul	0.03
19) Naphthalene-d8	13.34	136	576565	5.00 ng/ul	0.03
34) Acenaphthene-d10	17.23	164	349935	5.00 ng/ul	0.04
54) Phenanthrene-d10	21.15	188	558018	5.00 ng/ul	0.04
67) Chrysene-d12	27.66	240	363278	5.00 ng/ul	0.03
75) Perylene-d12	30.89	264	335291	5.00 ng/ul	0.03

System Monitoring Compounds					%Recovery
4) 2-Fluorophenol	7.57	112	236259	5.87 ug/l	~~53.89%~~ 57
7) Phenol-d5	9.86	99	207614	3.55 ug/l	~~33.89%~~ 37
20) Nitrobenzene-d5	11.80	82	222218	4.26 ug/l	~~108.64%~~ 80
38) 2-Fluorobiphenyl	15.80	172	399222	4.94 ug/l	~~98.11%~~ 100
58) 2,4,6-Tribromophenol	19.32	330	151956	16.51 ug/l	~~150.05%~~ 113
69) Terphenyl-d14	25.11	244	493571	6.49 ug/l	~~119.32%~~ 123

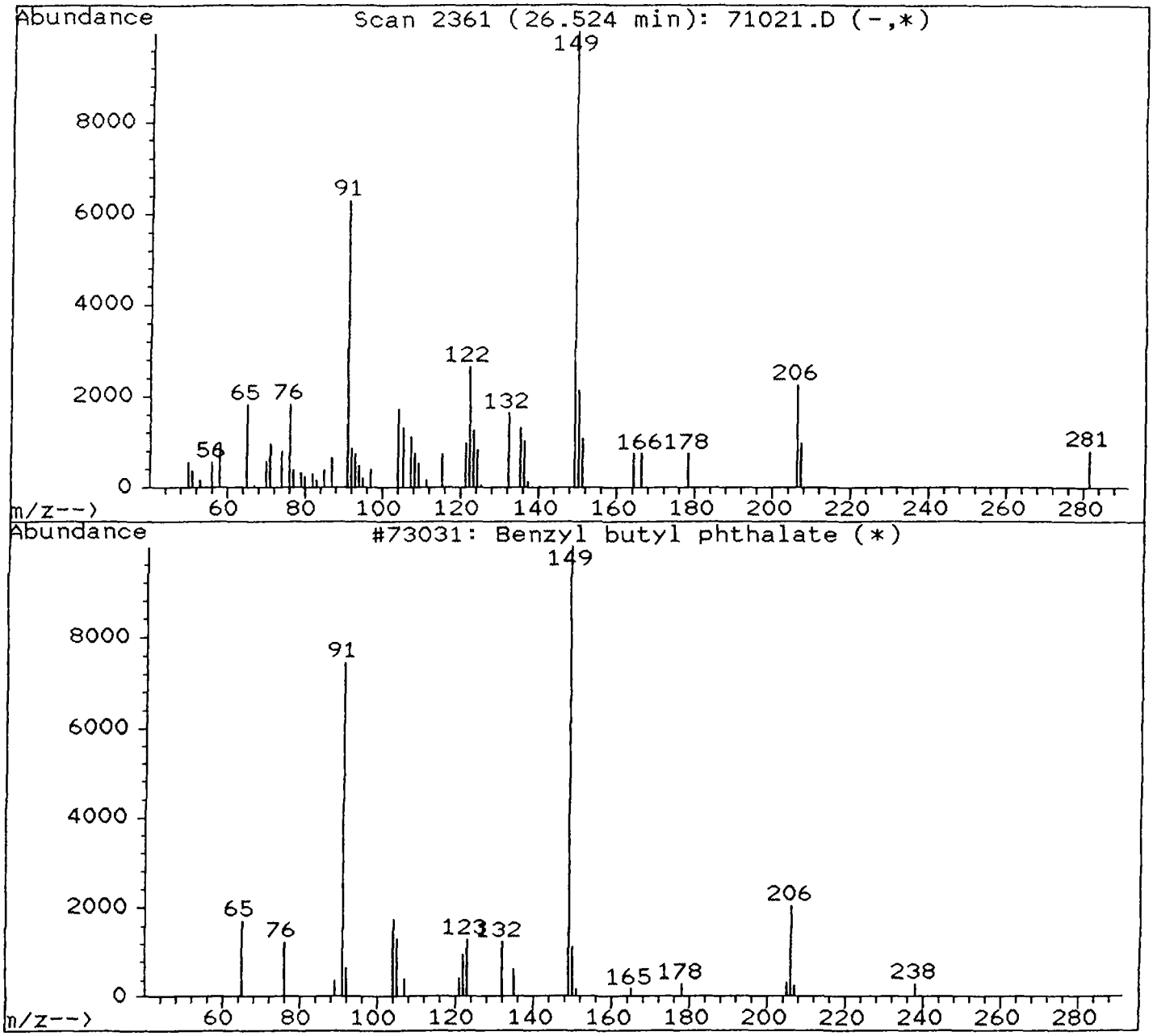
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.73	74	8719	0.18 ug/l	#	16
14) bis(2-chloroisopropyl)ethe	11.26	45	596	0.38 ug/l	#	57
25) Benzoic acid	12.91	105	36370	4.58 ug/L	#	90
42) Dimethylphthalate	17.23	163	61323	0.48 ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	50543	2.51 ug/l	#	22
45) 3-Nitroaniline	17.58	138	2581	0.05 ug/l	# ppb	61
49) 4-Nitrophenol	17.58	109	648 mg/L	~~1.23~~ ug/l		89
52) Diethylphthalate	18.48	149	14721	0.09 ug/l		87
64) Di-n-butylphthalate	22.81	149	369675 0.0016	1.60 ug/l	1.6	94
70) Butylbenzylphthalate	26.52	149	18060 0.00026	0.26 ug/l	# 0.26	94
74) bis(2-Ethylhexyl)phthalate	27.94	149	88140 0.00033	0.33 ug/l	0.33	86
76) Di-n-octylphthalate	29.17	149	656	0.19 ug/l		71

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

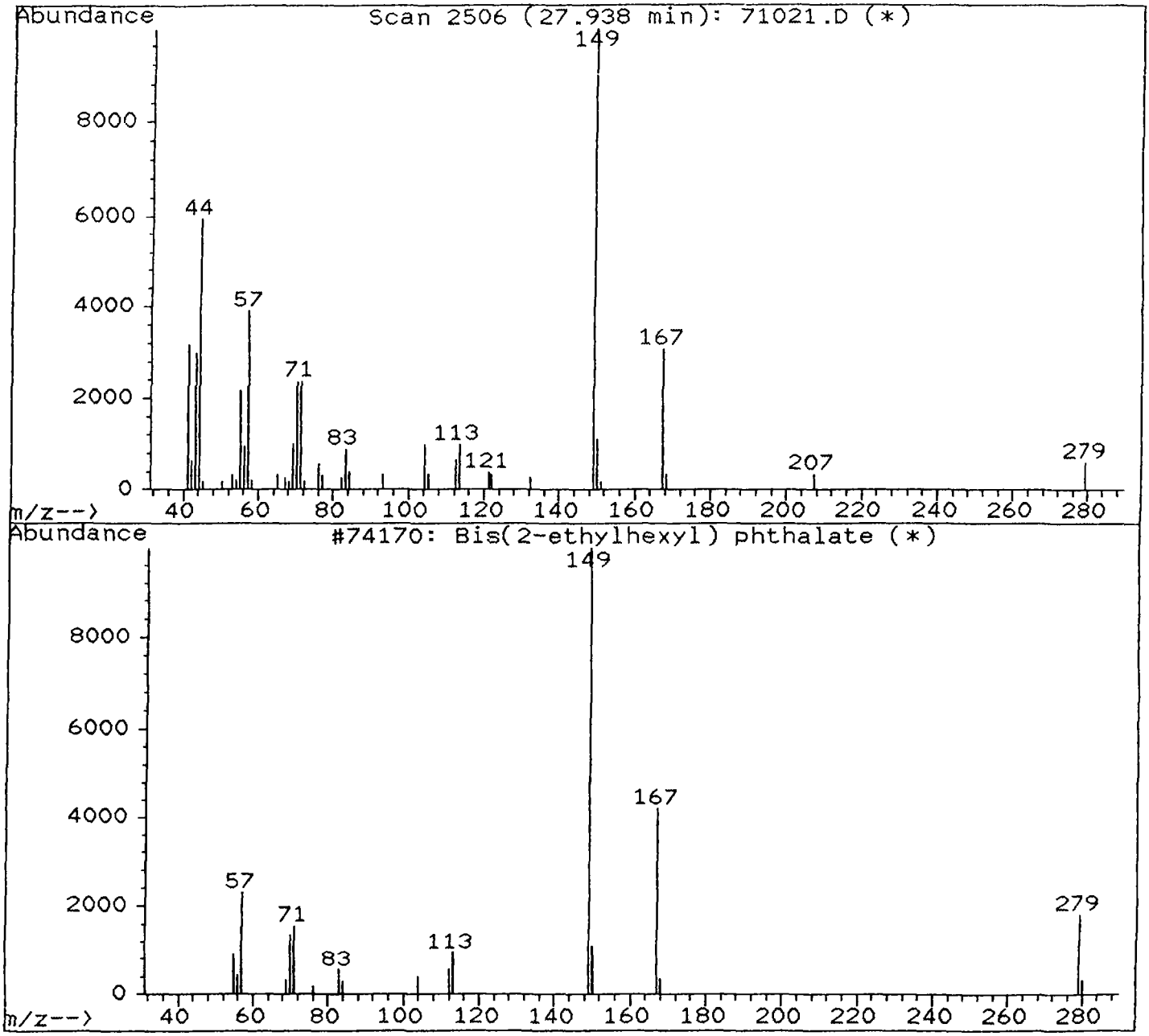
Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate



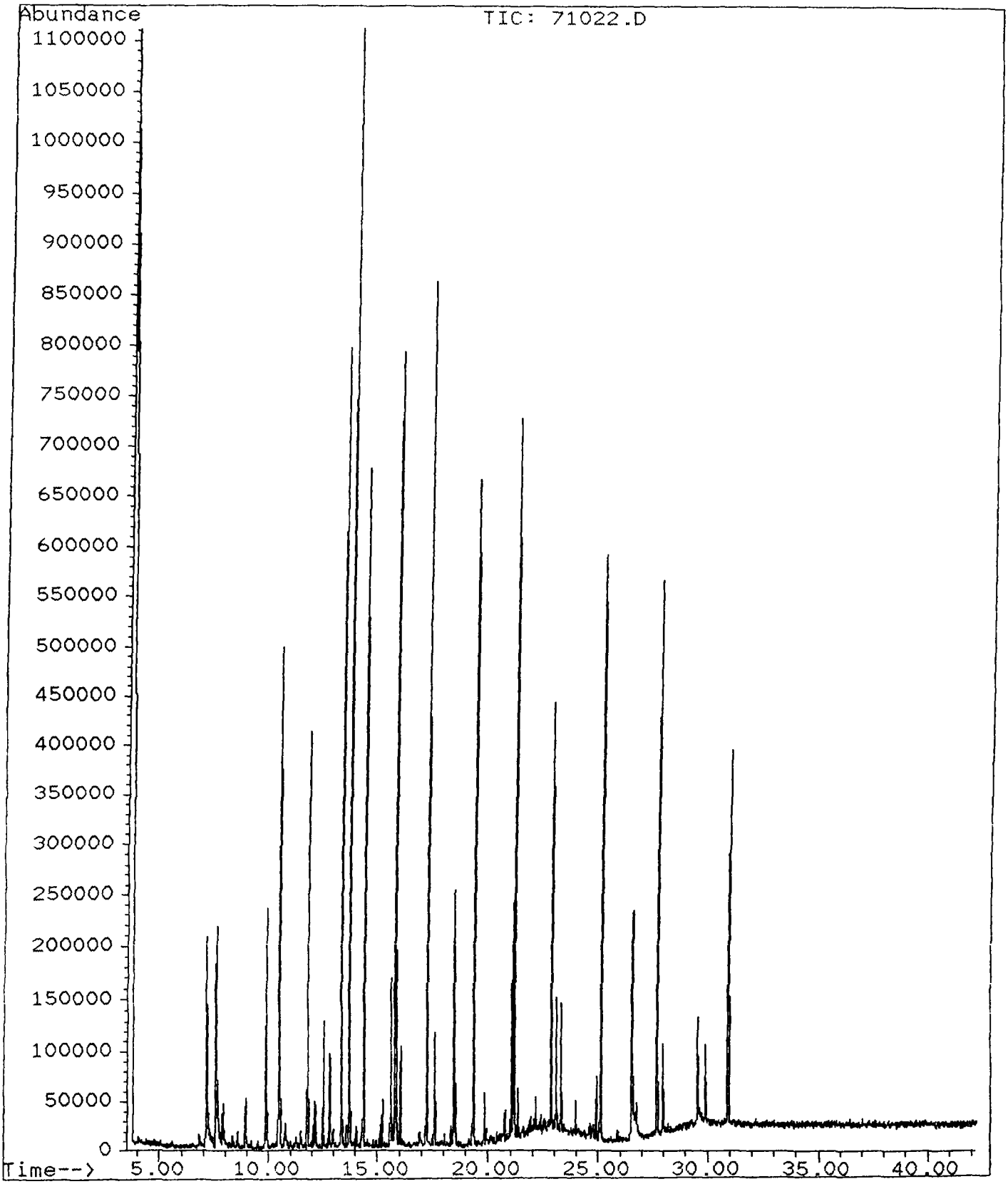
Library Searched : C:\DATABASE\NBS75K.L
Quality : 53
ID : Benzyl butyl phthalate



Library Searched : C:\DATABASE\NBS75K.L
Quality : 86
ID : Bis(2-ethylhexyl) phthalate



File : C:\HPCHEM\1\DATA\9_20_00\71022.D
Operator : BD
Acquired : 20 Sep 100 4:52 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-306
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 7



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71022.D
Acq Time : 20 Sep 100 4:52 pm
Sample : Ecology & Environment DW-EW-306
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 17:35 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

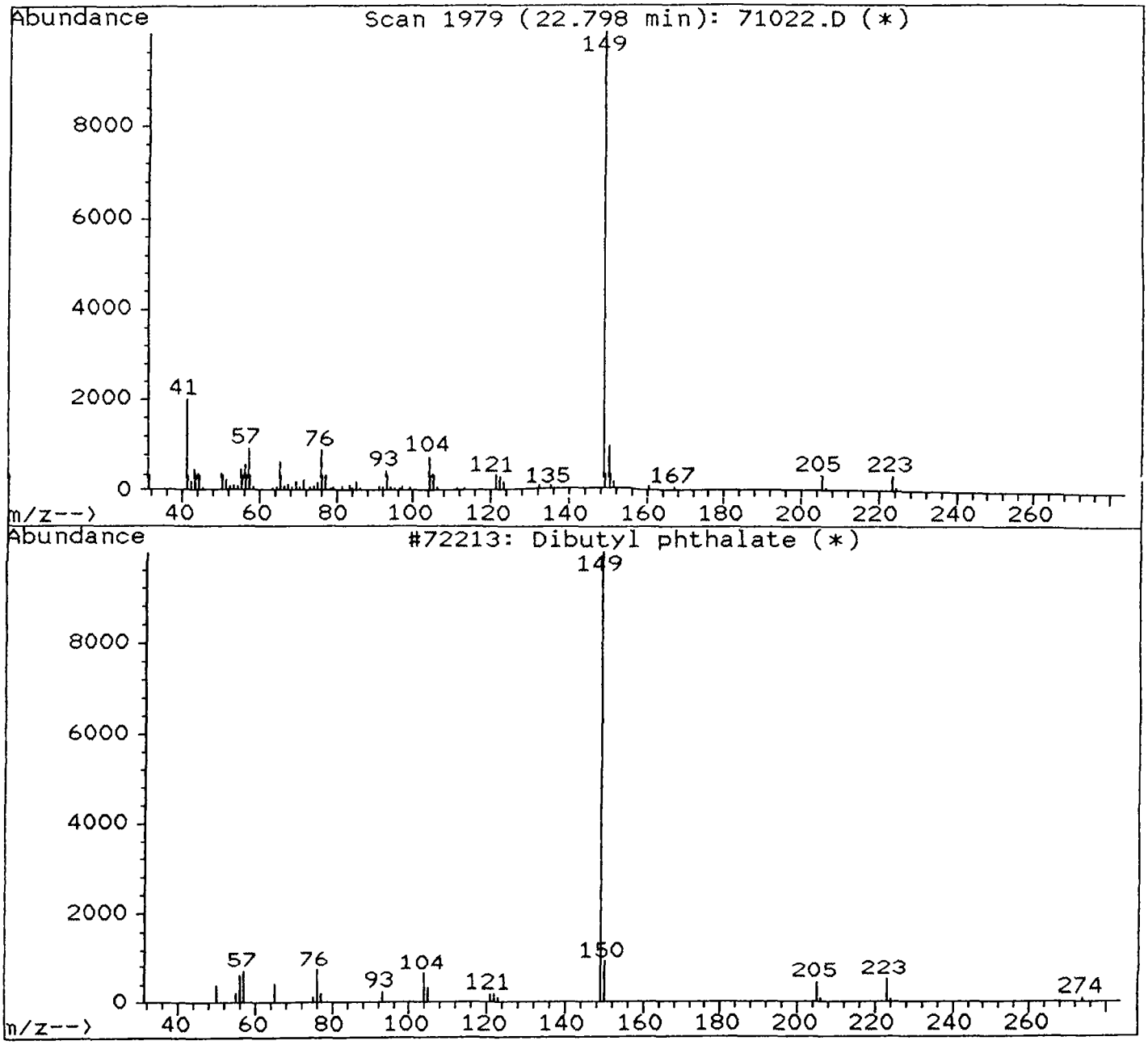
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	185300	5.00	ng/ul	0.03
19) Naphthalene-d8	13.35	136	585843	5.00	ng/ul	0.04
34) Acenaphthene-d10	17.23	164	350990	5.00	ng/ul	0.04
54) Phenanthrene-d10	21.15	188	520170	5.00	ng/ul	0.04
67) Chrysene-d12	27.66	240	355913	5.00	ng/ul	0.02
75) Perylene-d12	30.90	264	295438	5.00	ng/ul	0.03

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.58	112	187926	4.37	ug/l	40.11% 43
7) Phenol-d5	9.86	99	146234	2.28	ug/l	21.44% 24
20) Nitrobenzene-d5	11.80	82	216683	4.09	ug/l	99.47% 77
38) 2-Fluorobiphenyl	15.80	172	377474	4.63	ug/l	90.16% 93
58) 2,4,6-Tribromophenol	19.32	330	89912	10.52	ug/l	95.68% 72
69) Terphenyl-d14	25.11	244	404466	5.44	ug/l	100.03% 103

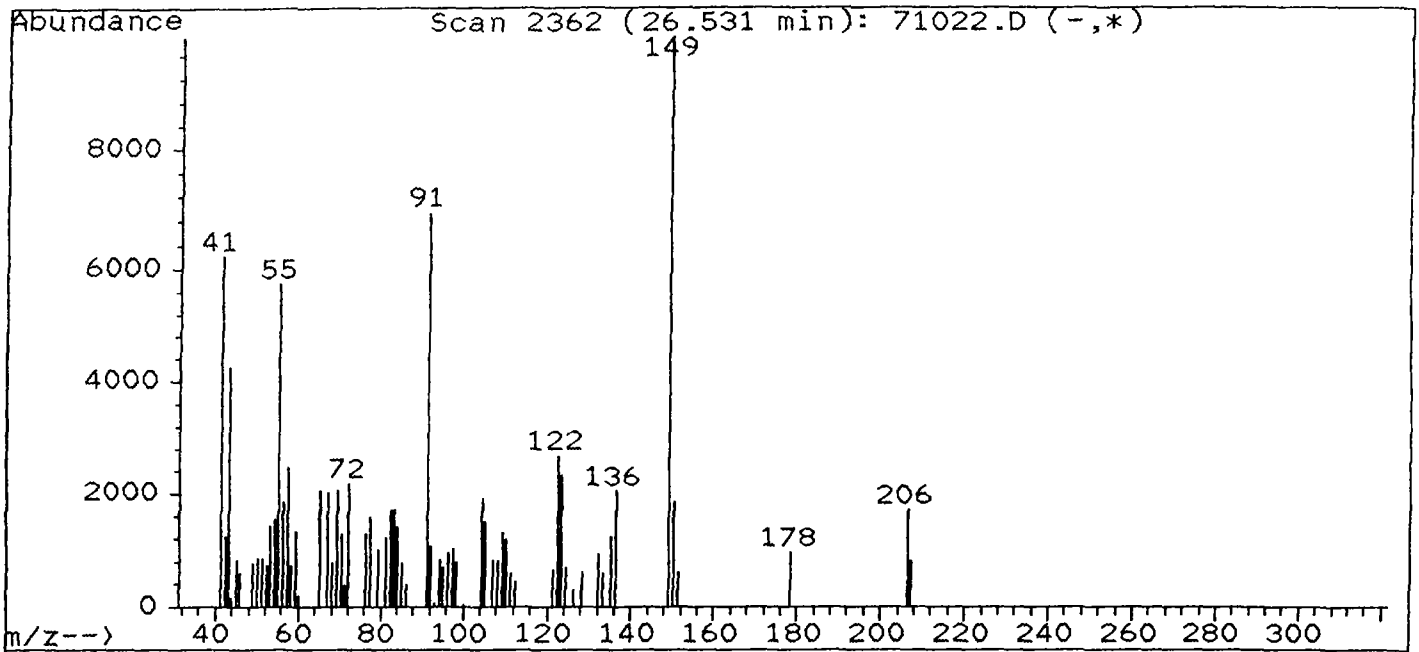
Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.26	45	901	0.38	ug/l	#	57
25) Benzoic acid	12.86	105	345	3.61	ug/L	#	1
30) 4-Chloroaniline	13.72	127	40843	0.39	ug/l	#	69
40) 2-Nitroaniline	16.17	65	296	0.36	ug/l		100
42) Dimethylphthalate	17.23	163	60907	0.47	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	49887	2.48	ug/l	#	23
45) 3-Nitroaniline	17.59	138	2922	0.06	ug/l	#	50
49) 4-Nitrophenol	17.23	109	893 ng/L	1.24	ug/l	#	25
52) Diethylphthalate	18.48	149	14534	0.09	ug/l		83
64) Di-n-butylphthalate	22.81	149	319076 0.0015	1.45	ug/l	1.5	98
70) Butylbenzylphthalate	26.53	149	18259 0.0026	0.26	ug/l	0.26	85
74) bis(2-Ethylhexyl)phthalate	27.94	149	50805	0.02	ug/l		81
76) Di-n-octylphthalate	29.34	149	679	0.19	ug/l		71
77) Benzo[b]fluoranthene	29.99	252	2899	0.02	ug/l	#	56

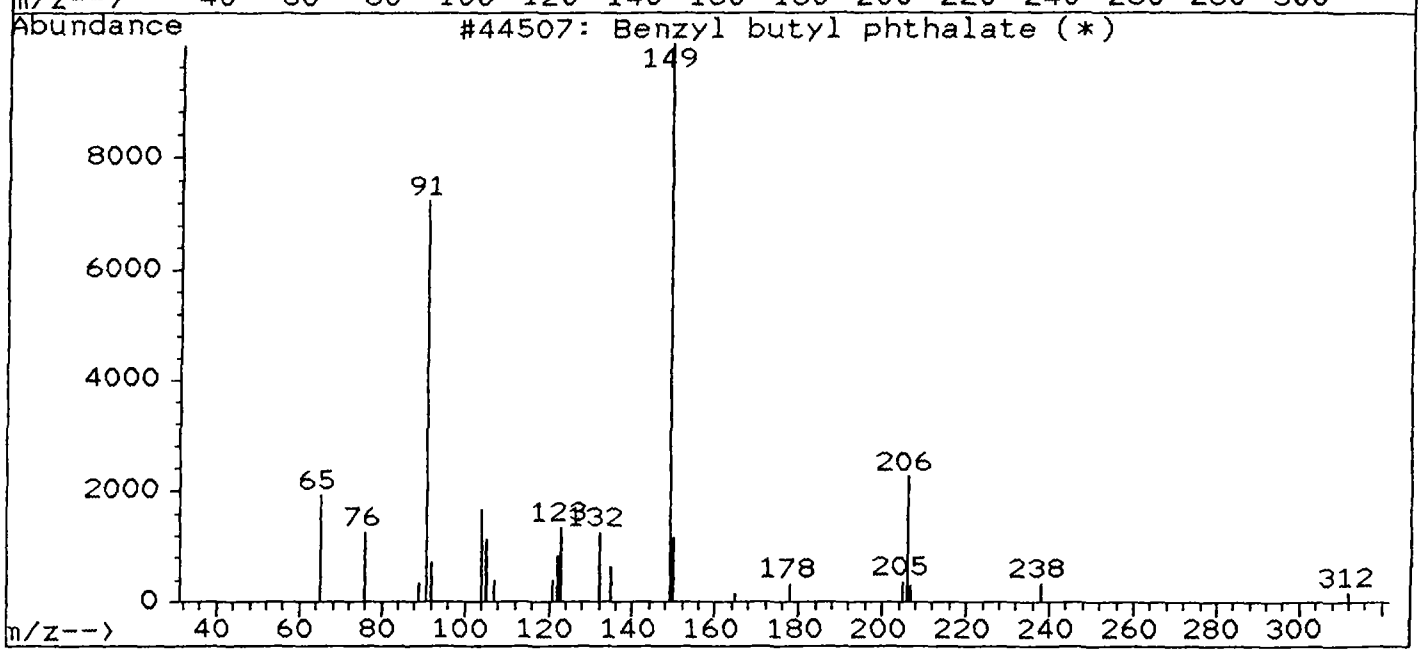
(#) = qualifier out of range (m) = manual integration

Library Searched : C:\DATABASE\NBS75K.L
Quality : 91
ID : Dibutyl phthalate

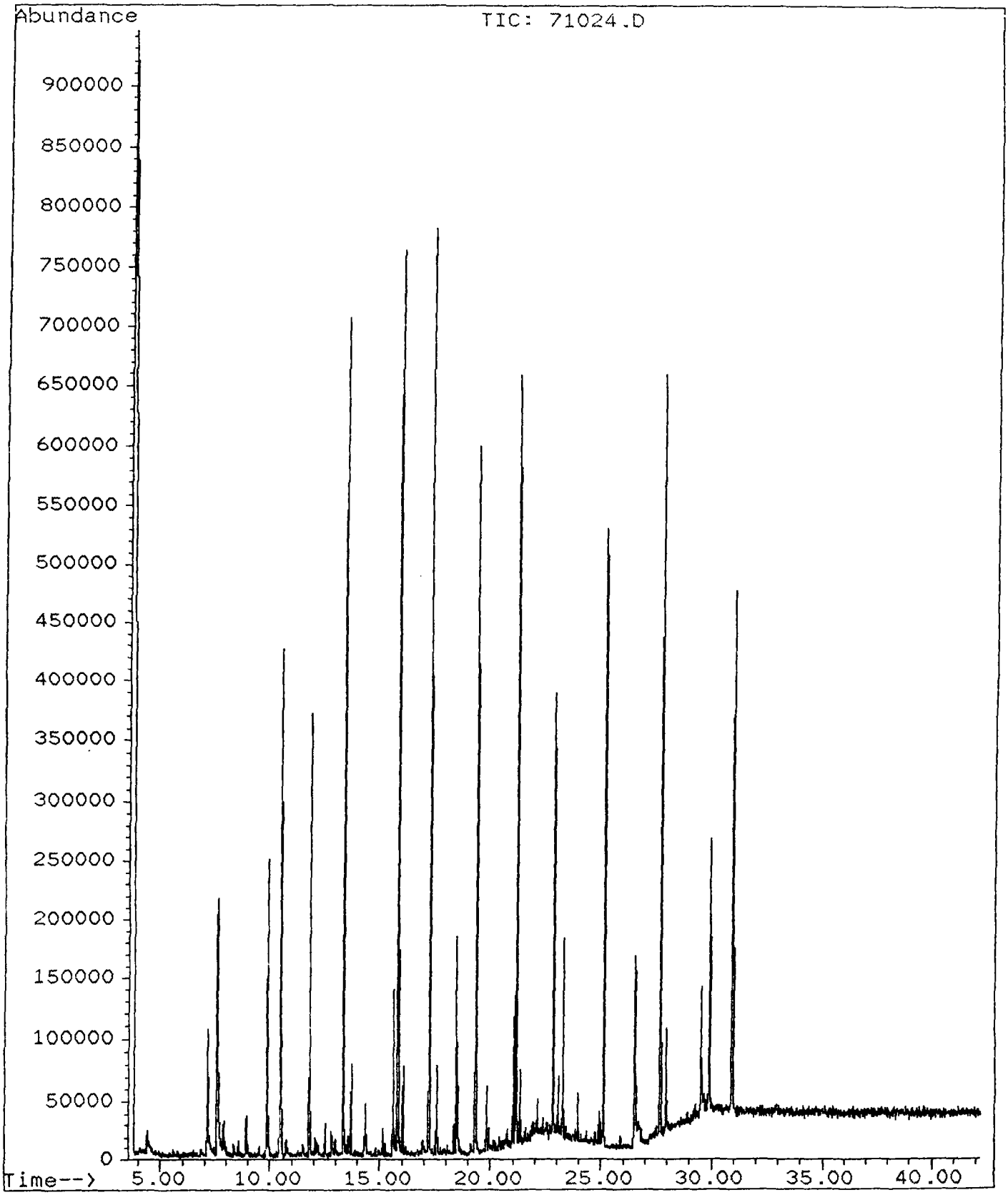


Library Searched : C:\DATABASE\NBS75K.L
Quality : 49
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\71024.D
Operator : BD
Acquired : 20 Sep 100 5:43 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-BR-950
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 8



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71024.D
Acq Time : 20 Sep 100 5:43 pm
Sample : Ecology & Environment DW-BR-950
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 18:26 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

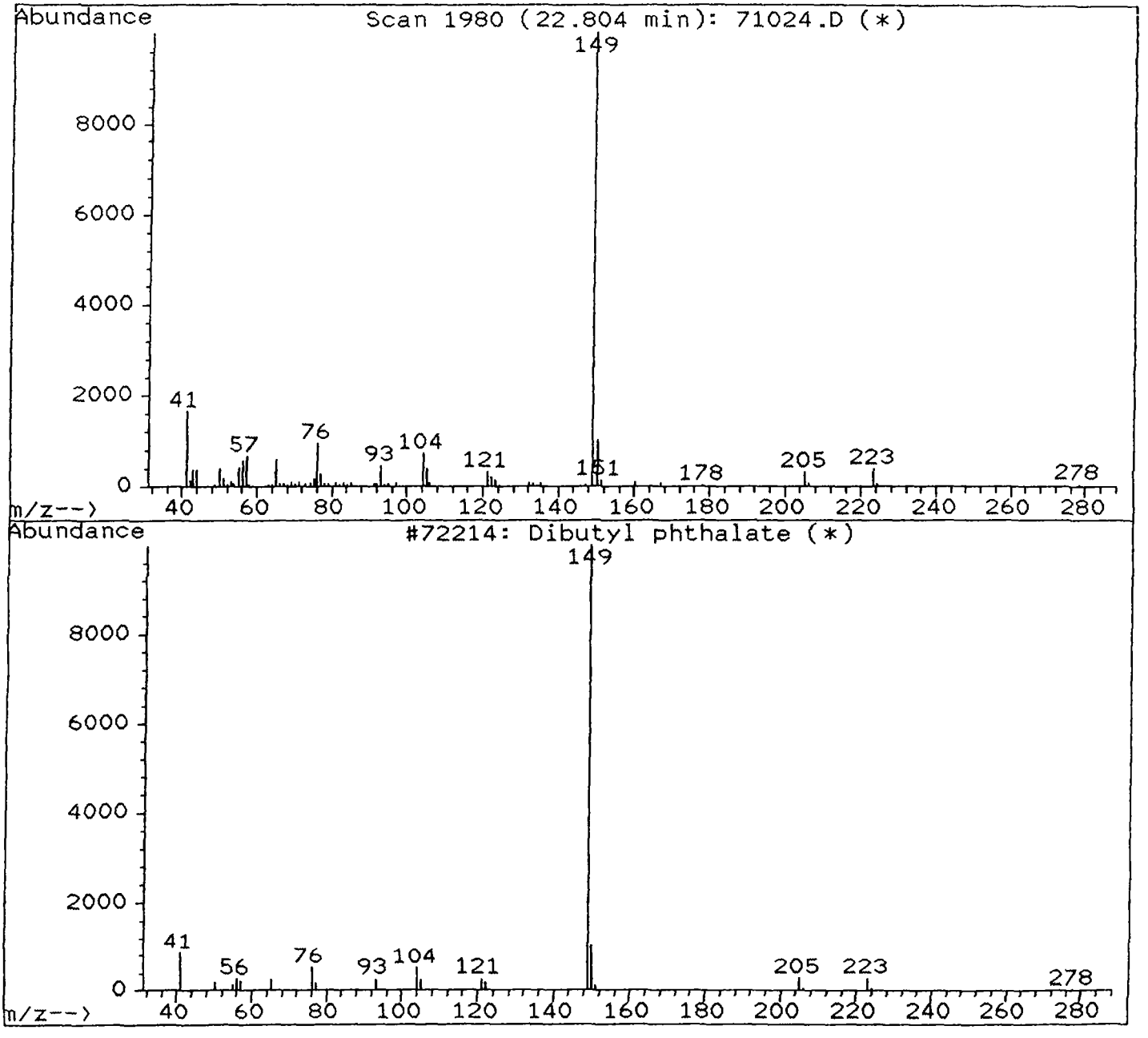
EQL=0.2 ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

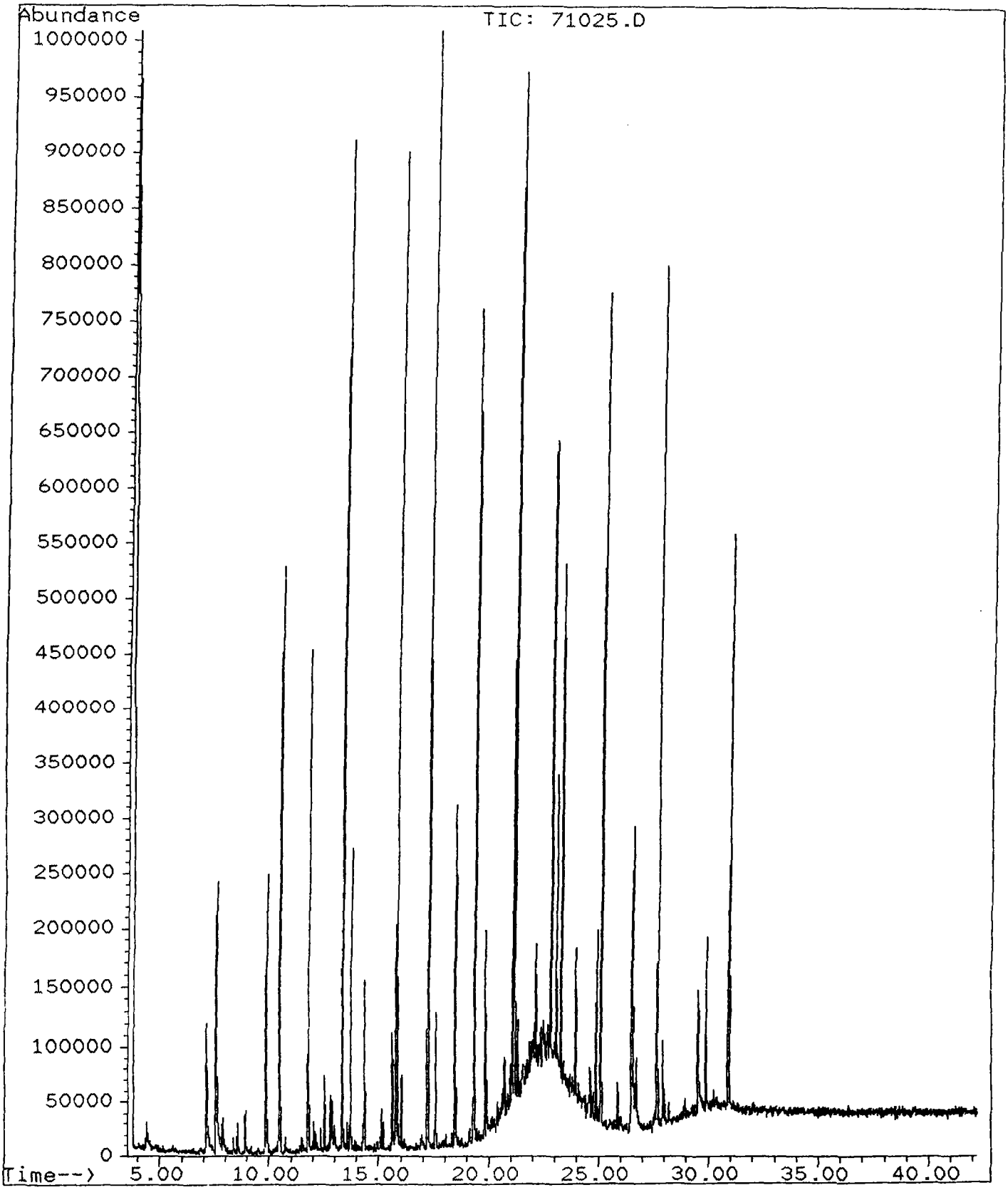
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	162667	5.00	ng/ul		0.03
19) Naphthalene-d8	13.34	136	512546	5.00	ng/ul		0.03
34) Acenaphthene-d10	17.23	164	302440	5.00	ng/ul		0.03
54) Phenanthrene-d10	21.15	188	447489	5.00	ng/ul		0.04
67) Chrysene-d12	27.67	240	400975	5.00	ng/ul		0.03
75) Perylene-d12	30.91	264	341808	5.00	ng/ul		0.04
System Monitoring Compounds							%Recovery
4) 2-Fluorophenol	7.57	112	197563	5.25	ug/l		~~48~~.22% 51
7) Phenol-d5	9.86	99	158397	2.86	ug/l		~~26~~.93% 30
20) Nitrobenzene-d5	11.80	82	197559	4.26	ug/l		~~108~~.64% 80
38) 2-Fluorobiphenyl	15.80	172	342934	4.91	ug/l		~~98~~.48% 99
58) 2,4,6-Tribromophenol	19.31	330	88489	12.02	ug/l		~~109~~.29% 82
69) Terphenyl-d14	25.11	244	353796	4.24	ug/l		~~77~~.98% 80
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.67	74	21397	0.63	ug/l	#	22
14) bis(2-chloroisopropyl)ethe	11.27	45	347	0.37	ug/l	#	57
25) Benzoic acid	12.96	105	309	3.61	ug/L	#	1
40) 2-Nitroaniline	16.15	65	677	~~0.37~~	ug/l		100
42) Dimethylphthalate	17.23	163	52425	0.47	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	43951	2.52	ug/l	#	22
45) 3-Nitroaniline	17.58	138	2651	0.07	ug/l	# ppb	51
49) 4-Nitrophenol	17.59	109	294 mg/L	1.21	ug/l	#	27
52) Diethylphthalate	18.48	149	16372	0.13	ug/l		87
64) Di-n-butylphthalate	22.80	149	296357 0.0016	1.60	ug/l	1.60	97
70) Butylbenzylphthalate	26.53	149	12990	0.19	ug/l	#	95
76) Di-n-octylphthalate	29.59	149	1835	0.19	ug/l		72

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

Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate



File : C:\HPCHEM\1\DATA\9_20_00\71025.D
Operator : BD
Acquired : 20 Sep 100 6:34 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3468
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 9



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\71025.D
Acq Time : 20 Sep 100 6:34 pm
Sample : Ecology & Environment DW-EW-3468
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 19:17 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

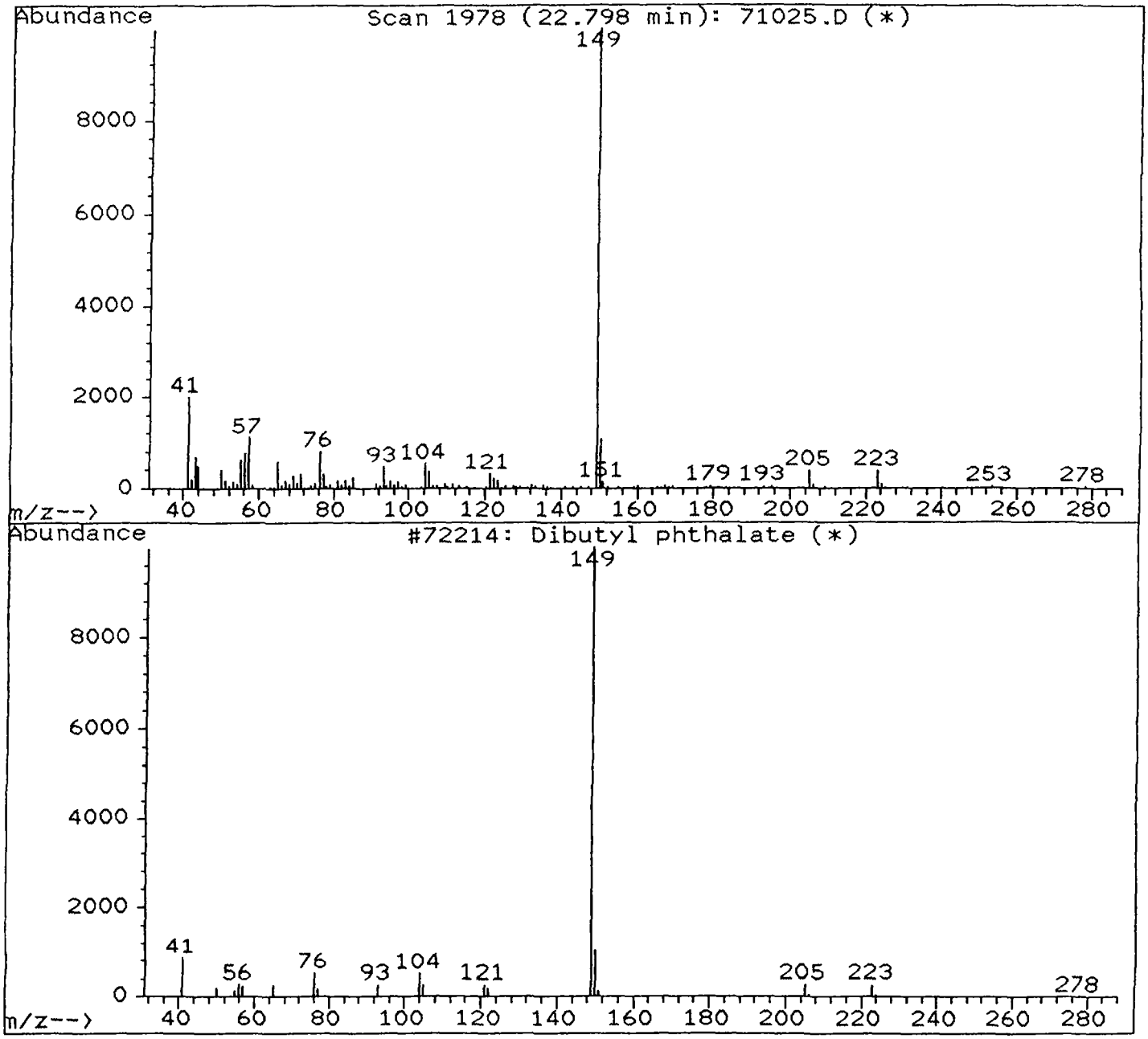
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	187731	5.00	ng/ul	0.03
19) Naphthalene-d8	13.34	136	657096	5.00	ng/ul	0.03
34) Acenaphthene-d10	17.23	164	398656	5.00	ng/ul	0.03
54) Phenanthrene-d10	21.14	188	649228	5.00	ng/ul	0.04
67) Chrysene-d12	27.66	240	459766	5.00	ng/ul	0.02
75) Perylene-d12	30.90	264	450282	5.00	ng/ul	0.04

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.57	112	195891	4.50	ug/l	41.30% 44
7) Phenol-d5	9.86	99	157239	2.43	ug/l	22.88% 25
20) Nitrobenzene-d5	11.80	82	251110	4.22	ug/l	102.76% 79
38) 2-Fluorobiphenyl	15.80	172	451545	4.90	ug/l	98.36% 99
58) 2,4,6-Tribromophenol	19.32	330	155946	14.57	ug/l	122.49% 99
69) Terphenyl-d14	25.11	244	567967	5.91	ug/l	108.62% 112

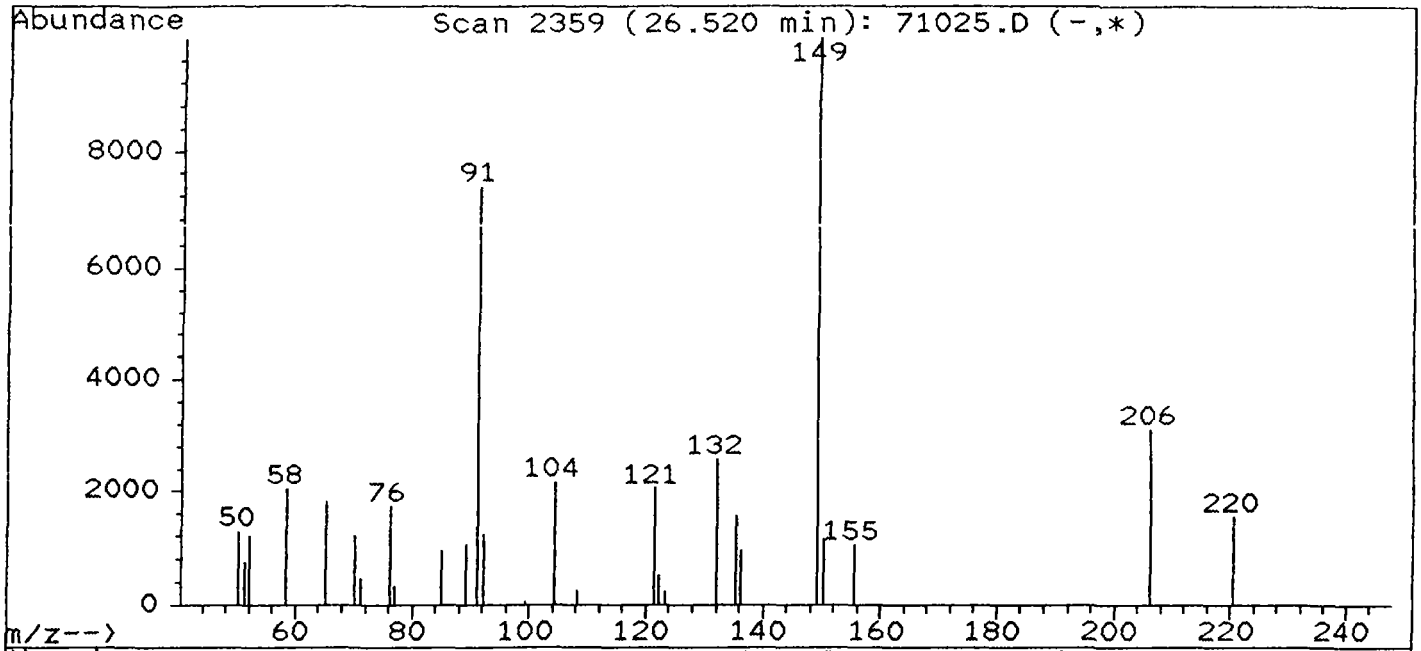
Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.25	45	638	0.38	ug/l	#	57
25) Benzoic acid	12.90	105	27324	4.24	ug/L	#	91
40) 2-Nitroaniline	16.16	65	617	0.37	ug/l		100
42) Dimethylphthalate	17.23	163	68334	0.46	ug/l	#	1
43) 2,6-Dinitrotoluene	17.23	165	57270	2.50	ug/l	#	23
45) 3-Nitroaniline	17.58	138	3615	0.08	ug/l	# ppb	52
49) 4-Nitrophenol	17.24	109	1108 mg/L	1.24	ug/l	#	1
52) Diethylphthalate	18.48	149	11427	0.05	ug/l		90
64) Di-n-butylphthalate	22.81	149	449596 0.0017	1.69	ug/l	1.7	95
70) Butylbenzylphthalate	26.52	149	16431 0.00026	0.20	ug/l	# 0.20	93
76) Di-n-octylphthalate	29.04	149	293	0.18	ug/l		70

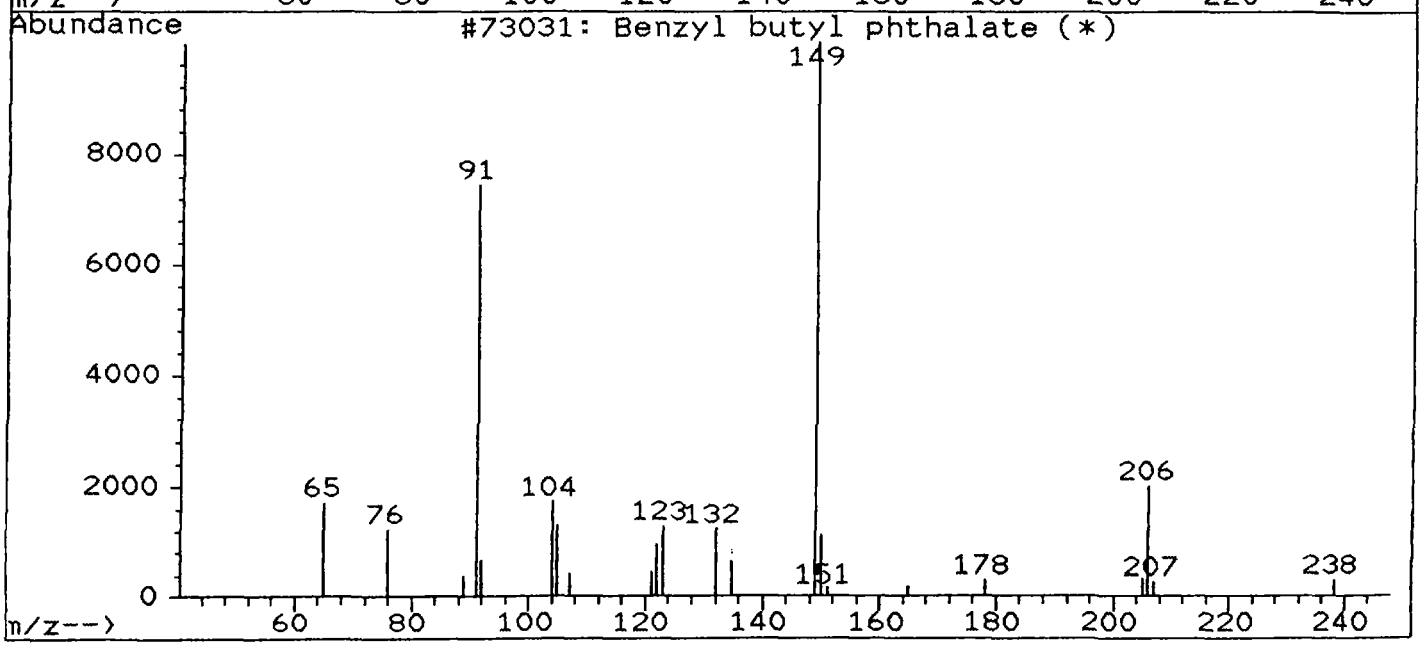
(#) = qualifier out of range (m) = manual integration

Library Searched : C:\DATABASE\NBS75K.L
Quality : 97
ID : Dibutyl phthalate

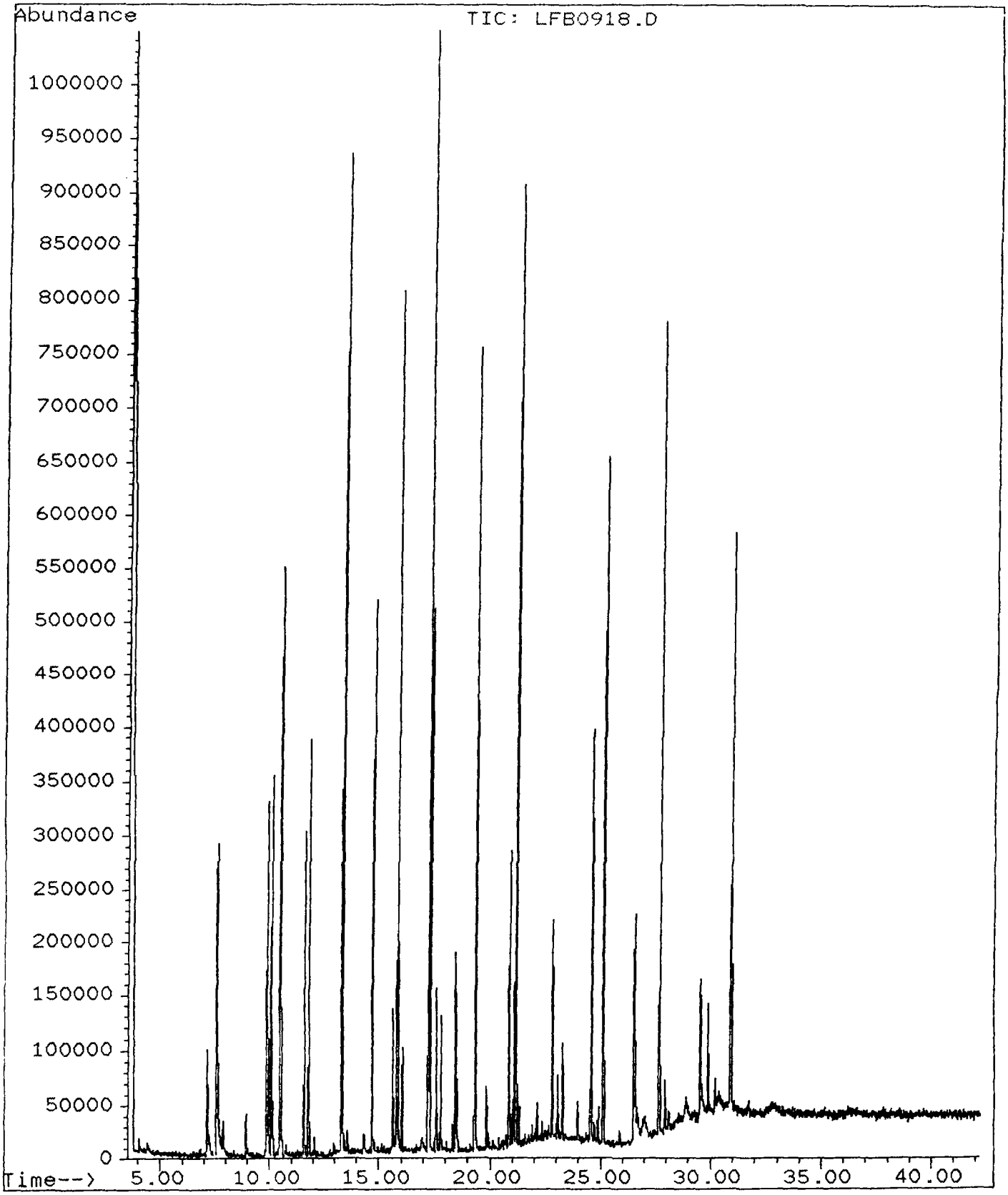


Library Searched : C:\DATABASE\NBS75K.L
Quality : 45
ID : Benzyl butyl phthalate





File : C:\HPCHEM\1\DATA\9_20_00\LFB0918.D
Operator : BD
Acquired : 20 Sep 100 7:26 pm using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Laboratory Fortified Blank 9-18-00
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 10



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_20_00\LFB0918.D
Acq Time : 20 Sep 100 7:26 pm
Sample : Laboratory Fortified Blank 9-18-00
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 20 20:09 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\LLTRIALQ.M
Title : BNA Calibration
Last Update : Mon Sep 11 09:27:18 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.47	152	200530	5.00	ng/ul	0.03
19) Naphthalene-d8	13.34	136	688832	5.00	ng/ul	0.03
34) Acenaphthene-d10	17.23	164	418503	5.00	ng/ul	0.03
54) Phenanthrene-d10	21.15	188	657206	5.00	ng/ul	0.04
67) Chrysene-d12	27.67	240	455522	5.00	ng/ul	0.03
75) Perylene-d12	30.90	264	433481	5.00	ng/ul	0.03

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.57	112	248608	5.36	ug/l	~~49~~.24% 52
7) Phenol-d5	9.86	99	200866	2.95	ug/l	~~27~~.77% 31
20) Nitrobenzene-d5	11.80	82	207310	3.33	ug/l	~~81~~.03% 63
38) 2-Fluorobiphenyl	15.80	172	403435	4.11	ug/l	~~80~~.03% 83
58) 2,4,6-Tribromophenol	19.32	330	153824	14.20	ug/l	~~129~~.14% 97
69) Terphenyl-d14	25.11	244	493979	5.20	ug/l	~~95~~.52% 99

Target Compounds	Target				%R				Qvalue
8) Phenol	8.5	9.88	94	118958	16	1.35	ug/l		87
9) 2-Chlorophenol	7.25	10.07	128	205065	51	3.72	ug/l		96
10) 1,3-Dichlorobenzene		10.51	146	145155		2.38	ug/l		94
11) 1,4-Dichlorobenzene	5.0	10.51	146	145155	45	2.27	ug/l		93
12) 1,2-Dichlorobenzene		10.51	146	145155		2.43	ug/l		93
14) bis(2-chloroisopropyl)ethe		11.29	45	334		0.37	ug/l	#	57
17) N-Nitroso-di-n-propylamine	3.8	11.59	70	116556	55	2.08	ug/l	#	100
25) Benzoic acid		13.35	105	1211		3.62	ug/L	#	1
28) 1,2,4-Trichlorobenzene	3.8	13.27	180	113079	60	2.28	ug/l		94
32) 4-Chloro-3-methylphenol	7.5	14.70	107	183670	46	3.45	ug/l		94
33) 2-Methylnaphthalene		14.70	142	143962		1.19	ug/l	#	10
40) 2-Nitroaniline		16.60	65	370		0.36	ug/l		100
41) Acenaphthylene		17.30	152	106939		0.49	ug/l	#	1
42) Dimethylphthalate		17.23	163	72079		0.46	ug/l	#	1
43) 2,6-Dinitrotoluene		17.23	165	59141		2.47	ug/l	#	21
44) Acenaphthene	3.5	17.30	153	223247	61	2.15	ug/l		97
48) 2,4-Dinitrotoluene	3.5	17.79	165	42174	47	1.66	ug/l		97
49) 4-Nitrophenol	7.3	17.59	109	17002	27	1.96	ug/l		94
52) Diethylphthalate		18.48	149	14363		0.06	ug/l		93
61) Pentachlorophenol	7.3	20.85	266	63108	63	4.60	ug/l		94
64) Di-n-butylphthalate		22.81	149	167667		0.35	ug/l		95
68) Pyrene	5.0	24.57	202	374242	42	2.11	ug/l		94
70) Butylbenzylphthalate		26.52	149	13466		0.18	ug/l	#	90
76) Di-n-octylphthalate		29.22	149	1634		0.19	ug/l		72

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

ENVIRONMEN PROTECTION AGENCY
Office of Enforcement

REGION 5
77 West Jac n Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

S05-0007-808

PROJ. NO.	PROJECT NAME
KJ5105	S 05-0007-014

SAMPLERS: (Print Name and Sign)
JUSTIN BOWERMAN Justin Bowerman

Activity Code:

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte: SVOC					TAG NUMBERS
DWFW-3553	9/21	1100		X	DW-EW-3553	1-1-liter amber	✓		71254			DRINKING WATER STANDARDS 9-240

FAX / SEND RESULTS TO:
DAVE HENDREN
312-578-9243 (PHONE)
312-578-9345 (FAX)

ECOLOGY & ENVIRONMENT, INC.
33 NORTH DEARBORN ST.
CHICAGO, IL. 60602

Justin Bowerman

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Justin Bowerman	9/21/00 1400	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		9-22-00 AM

Ship To: EIS ANALYTICAL 219-277-0707
1701 NORTH IRONWOOD DR. SUITE B
SOUTH BEND, INDIANA 46635
ATTN: ANDY ROZITE

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

EIS SAMPLE RECEIPT LOG

Customer E & E

Date Received 9-22-00 Date Shipment Checked 9-22-00 by [illegible]

1. Was shipment in a Cooler? ---------- (Y) N
2. If in cooler, were custody seals on outside? (Y) N & intact? (Y) N
   Seal Description Torn off prior to recording
3. If in cooler, was ice used (Y) N & still present? ---------- (Y) N
4. If in cooler, temp via cooler air very cold or
   temp via H_2O temp bottle_____
5. Were Custody papers present? ---------- (Y) N
6. Did # of bottles agree with Custody papers? ---------- (Y) N
7. Were Custody papers properly filled out? ---------- (Y) N
8. Were tests clearly specified? ---------- (Y) N
9. Were bottles labeled? ---------- (Y) N
10. Were bottles unbroken with lids intact? ---------- (Y) N
11. Were correct bottles present for analysis requested? ---------- (Y) N
12. Was sufficient sample volume present for tests? ---------- (Y) N
13. Did labels or Custody document indicate preservative used? ---- NA Y N
14. If VOC required, were air bubbles present? ---------- NA Y N
    Affected Sample(s)_____

CORRECTIVE ACTION (Describe in case shipment unsatisfactory)

REPORT OF ANALYSIS

Mr David Hendren
Ecology & Environment, Inc.
33 North Dearborn, Suite 900
Chicago, IL 60602
Tel No: 312-578-9243
Fax No: 312-578-9345
PO No:
Project Name: SO5-0007-808

Report Date:	10/4/00
EIS Order No:	**000900240**
EIS Sample No:	071254
EIS Project No:	2009-1021-00
Client Sample ID:	**DW-EW-3553**
Date Collected:	9/21/00
Date Received:	9/22/00
Collected By:	J Bowerman

This report presents results of analysis for your sample(s) received under our Order No above. This Number is to be used in all inquiries concerning this report. The EIS Sample No above, as well as your Sample ID, refer to the first sample in a multi-sample submission

DEFINITIONS:

MDL = Method Detection Limit normally achieved in the absence of interferences or other matrix difficulties.
SDL = Sample Detection Limit achieved in your sample. If numerically greater than the MDL, dilutions were required in order to perform the analysis. If numerically less than the MDL, alternate techniques were employed.
nd = Not Detected at the SDL value. If present, result is less than this value.
< = Not Detected at the numerical value shown. If present, result is less than this value.

CHAIN-OF-CUSTODY is enclosed if received with your sample submission.

DRINKING WATER CERTIFICATIONS: Chemistry = C-71-02 Bacteriology = 52715

QUALITY ASSURANCE OFFICER

LABORATORY DIRECTOR

The data in this report has been reviewed and complies with EIS Quality Control unless specifically addressed above.

EIS Analytical Services Inc **1701 N. Ironwood Drive, Suite B * South Bend, IN 46635 * Tel: 219-277-0707 * Fax: 219-273-5699**

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3553
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/21/00

Report Date: 10/4/00
EIS Sample No: 071254
EIS Order No: 000900240
Date Received: 9/22/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS .							
Acenaphthene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Acenaphthylene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Aniline	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzidine	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Benzo(a)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzo(a)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzo(b)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzo(ghi)perylene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzo(k)fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Benzoic acid	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Benzyl alcohol	nd	mg/L	0.0004	0.0004	DavisW	9/28/00	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Bis(2-ethylhexyl)phthalate	0.011	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Butyl benzyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Chloroaniline (4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Chloronaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Chlorophenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Chrysene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Di-n-butylphthalate	0.0011	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Di-n-octylphthalate	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dibenzofuran	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dichlorobenzene (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dichlorobenzene (1,3)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dichlorobenzene (1,4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Dichlorophenol (2,4)	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Diethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dimethyl phthalate	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dimethylphenol (2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Dinitrophenol (2,4)	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Dinitrotoluene (2,4)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Dinitrotoluene (2,6)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Diphenylhydrazine (1,2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Fluoranthene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: DW-EW-3553
CLIENT PROJECT: SO5-0007-808
SAMPLE TYPE: Water (DW)
Date Collected: 9/21/00

Report Date: 10/4/00
EIS Sample No: 071254
EIS Order No: 000900240
Date Received: 9/22/00

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Fluorene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Hexachlorobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Hexachlorobutadiene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Hexachlorocyclopentadiene	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Hexachloroethane	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Isophorone	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Methylnaphthalene (2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Methylphenol (2)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Methylphenol (4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Naphthalene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Nitroaniline (2)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Nitroaniline (3)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Nitroaniline (4)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Nitrobenzene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Nitrophenol (2)	nd	mg/L	0.001	0.001	DavisW	9/28/00	8270 C
Nitrophenol (4)	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Pentachlorophenol	nd	mg/L	0.005	0.005	DavisW	9/28/00	8270 C
Phenanthrene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Phenol	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Pyrene	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Pyridine	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	0.0002	0.0002	DavisW	9/28/00	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	0.0005	0.0005	DavisW	9/28/00	8270 C

ANALYSIS SUPPORT INFORMATION

CLIENT NAME: Ecology & Environment, Inc.

Report Date: 10/4/00
EIS Order No: 000900240

EIS Lab Number	Client Description	Sample Date	Procedure	Result	Date Completed	Analyst	Method
071254	DW-EW-3553	9/21/00	Extract SVOC	Complete	9/27/00	CarlsenS	8270 C

QUALITY ASSURANCE / QUALITY CONTROL DATA

Method Specific Surrogate Compound Recoveries

EIS Order ID: 000900240

QUALITY CONTROL LIMITS

Normal Test	Surrogate	Methods Water	Methods Soil	QC Limits Water	QC Limits Soil
Herbicides	2,4-Dichlorophenylaceticacid(DCAA)	615 / 8151A / 515.1	8151A	15 - 135	
Pesticides / PCB	2,4,5,6-Tetrachloro-m-xylene(TCMX)	608 / 8081A / 8082 / 508	8082	22 - 135	40 - 150
Pesticides / PCB	Decachlorobiphenyl(DCB)	608 / 8081A / 508	8082	22 - 135	40 - 150
SOC (svoc)	Perylene, d12	525.2		70 - 130	
SVOC (acid)	2-Fluorophenol	625 / 8270C	8270C	21 - 100	25 - 121
SVOC (acid)	Phenol, d5	625 / 8270C	8270C	10 - 94	24 - 113
SVOC (base/neutral)	Nitrobenzene, d5	625 / 8270C	8270C	35 - 114	23 - 120
SVOC (base/neutral)	2-Fluorobiphenyl	625 / 8270C	8270C	43 - 116	30 - 115
SVOC (acid)	2,4,6-Tribromophenol	625 / 8270C	8270C	10 - 123	19 - 122
SVOC (base/neutral)	Terphenyl, d14	625 / 8270C	8270C	33 - 141	18 - 137
TPH	Styrene	8015M	8015M	30 - 70	34 - 66
VOC / BETX / TPH	1,2-Dichloroethane, d4	624 / 8260B / 524.2	8260B	76 - 114	70 - 121
VOC / BETX / TPH	Toluene, d8	624 / 8260B / 524.2	8260B	86 - 115	74 - 121
VOC / BETX / TPH	Bromofluorobenzene(BFB)	624 / 8260B / 524.2	8260B	86 - 115	74 - 121

EIS Lab No	Client Sample ID	Method	Matrix	Surrogate	%Recovery
071254	DW-EW-3553	8270 C	Water (DW)	2,4,6-Tribromophenol (SS)	88
		8270 C	Water (DW)	2-Fluorobiphenyl (SS)	101
		8270 C	Water (DW)	2-Fluorophenol (SS)	27
		8270 C	Water (DW)	Nitrobenzene-d5 (SS)	92
		8270 C	Water (DW)	Phenol-d5 (SS)	21
		8270 C	Water (DW)	Terphenyl-d14 (SS)	117

Legend: -1 = Surrogates diluted out -2 = Surrogates not used ( ) = methods with different QC Limits

EIS ANALYTICAL SERVICES INC

ANALYSIS SUPPORT DOCUMENTATION
LABORATORY ORDER NO. 000900240

TEST: SVOC

METHOD: 8270 C

Calibration Table Report
Method: LLTRIALR.M
Title: BNA Initial Calibration
Last Calibration: Wed Sep 27 10:21:17 2000

Calibration Files

level	1	2	3	4	5	6	7	8	9		
concentration ng/ul	0.2	0.5	1.0	2.0	5.0	10	18	40	60		
Calibration data file 8270_	1.D	2.D	3.D	4.D	5.D	6.D	7.D	8.D	9.D		
Compound										Avg	% RSD
1,4-Dichlorobenzene-d4	ISTD										
N-Nitrosodimethylamine	0.674	0.861	0.711	0.771	0.925	0.985	0.946	0.898		0.846	13.5
pyridine			0.852	1.148	1.244	1.387	1.383	1.346		1.227	16.8
2-Fluorophenol	1.003	1.084	1.152	1.115	1.136	1.189	1.170	1.130		1.122	5.2
bis(2-Chloroethyl)ether	1.697	1.646	1.678	1.628	1.605	1.609	1.579	1.466		1.613	4.4
Aniline	1.933	1.940	1.943	1.876	1.792	1.776	1.665	1.472		1.800	9.2
Phenol-d5	1.534	1.694	1.676	1.664	1.637	1.697	1.652	1.576		1.641	3.5
* Phenol	1.819	2.041	1.888	1.881	1.843	1.884	1.820	1.654	1.698	1.837	6.1
2-Chlorophenol	1.260	1.379	1.364	1.371	1.376	1.398	1.378	1.302	1.347	1.353	3.3
1,3-Dichlorobenzene	1.629	1.550	1.470	1.467	1.412	1.434	1.412	1.302		1.459	6.7
* 1,4-Dichlorobenzene	1.629	1.665	1.636	1.554	1.505	1.510	1.456	1.386		1.543	6.3
1,2-Dichlorobenzene	1.551	1.492	1.478	1.458	1.390	1.413	1.338	1.246		1.421	6.8
Benzyl alcohol	0.757	0.769	0.778	0.759	0.788	0.845	0.808	0.746		0.781	4.1
bis(2-chloroisopropyl)ether	1.632	2.552	2.494	2.375	2.307	1.431	2.376	2.284		2.181	19.0
2-Methylphenol	1.072	1.181	1.108	1.102	1.109	1.176	1.134	1.078	1.096	1.117	3.5
Hexachloroethane	0.689	0.706	0.708	0.664	0.662	0.679	0.643	0.597		0.668	5.5
** N-Nitroso-di-n-propylamine	1.327	1.263	1.278	1.250	1.276	1.320	1.249	1.149		1.264	4.3
4-Methylphenol	1.236	1.228	1.150	1.174	1.164	1.214	1.187	1.086	1.179	1.180	3.9
Naphthalene-d8	ISTD										
Nitrobenzene-d5	0.396	0.412	0.403	0.432	0.429	0.451	0.476	0.451		0.431	6.3
Nitrobenzene	0.489	0.470	0.476	0.488	0.479	0.495	0.498	0.468		0.483	2.3
Isophorone	0.933	0.943	0.912	0.919	0.921	0.930	0.916	0.847		0.915	3.2
* 2-Nitrophenol	0.153	0.162	0.163	0.176	0.186	0.212	0.221	0.216	0.223	0.190	14.8
2,4-Dimethylphenol	0.419	0.391	0.348	0.338	0.330	0.352	0.359	0.363	0.405	0.367	8.4
Benzoic acid					0.111	0.202	0.263	0.283	0.306	0.233	33.6
bis(2-Chloroethoxy)methane	0.572	0.577	0.554	0.572	0.557	0.565	0.560	0.507		0.558	4.0
* 2,4-Dichlorophenol	0.293	0.299	0.289	0.305	0.308	0.319	0.312	0.288	0.286	0.300	3.9
1,2,4-Trichlorobenzene	0.388	0.379	0.342	0.347	0.323	0.338	0.321	0.294		0.341	9.0
Naphthalene	1.204	1.179	1.124	1.156	1.088	1.094	1.053	0.964		1.108	6.9
4-Chloroaniline	0.481	0.491	0.453	0.475	0.467	0.468	0.459	0.417		0.464	4.8
* Hexachlorobutadiene	0.220	0.194	0.185	0.158	0.153	0.155	0.143	0.124		0.166	18.6
* 4-Chloro-3-methylphenol	0.365	0.367	0.359	0.378	0.379	0.392	0.394	0.366	0.378	0.375	3.2
2-Methylnaphthalene	0.759	0.692	0.695	0.698	0.674	0.660	0.639	0.569		0.673	8.1
Acenaphthene-d10	ISTD										
** Hexachlorocyclopentadiene	0.116	0.143	0.147	0.171	0.204	0.243	0.259	0.264		0.193	29.7
* 2,4,6-Trichlorophenol	0.302	0.360	0.332	0.344	0.359	0.384	0.373	0.374	0.388	0.357	7.7
2,4,5-Trichlorophenol	0.286	0.345	0.341	0.387	0.394	0.419	0.408	0.386	0.397	0.374	11.2
2-Fluorobiphenyl	1.364	1.289	1.251	1.199	1.196	1.176	1.132	1.068		1.209	7.6
2-Chloronaphthalene	1.232	1.240	1.205	1.168	1.141	1.128	1.090	1.038		1.155	6.1
2-Nitroaniline	0.372	0.389	0.380	0.414	0.491	0.554	0.564	0.569		0.466	18.7
Acenaphthylene	1.836	1.962	1.827	1.881	1.865	1.899	1.771	1.738		1.847	3.9
Dimethylphthalate	1.505	1.537	1.422	1.433	1.440	1.472	1.371	1.372		1.444	4.1
2,6-Dinitrotoluene		0.207	0.211	0.258	0.292	0.340	0.338	0.344		0.284	21.1
* Acenaphthene	1.290	1.339	1.256	1.236	1.192	1.177	1.099	1.082		1.209	7.4
3-Nitroaniline	0.197	0.276	0.267	0.306	0.334	0.365	0.356	0.337		0.305	18.4

Calibration Files

level	1	2	3	4	5	6	7	8	9		
concentration ng/ul	0.2	0.5	1.0	2.0	5.0	10	18	40	60		
Calibration data file 8270_	1.D	2.D	3.D	4.D	5.D	6.D	7.D	8.D	9.D		
Compound										Avg	% RSD
** 2,4-Dinitrophenol					0.067	0.123	0.155	0.186	0.212	0.149	38.0
Dibenzofuran	1.595	1.691	1.561	1.625	1.546	1.512	1.442	1.384		1.545	6.4
2,4-Dinitrotoluene		0.243	0.274	0.331	0.386	0.460	0.468	0.487		0.378	26.0
** 4-Nitrophenol			0.122	0.153	0.192	0.228	0.237	0.247	0.261	0.206	25.3
Fluorene	1.361	1.385	1.321	1.299	1.283	1.270	1.213	1.161		1.287	5.7
4-Chlorophenyl-phenylether	0.668	0.635	0.634	0.611	0.606	0.609	0.578	0.571		0.614	5.1
Diethylphthalate	1.632	1.664	1.496	1.531	1.540	1.588	1.531	1.534		1.565	3.7
4-Nitroaniline	0.193	0.244	0.213	0.219	0.249	0.319	0.336	0.356		0.266	23.3
Phenanthrene-d10	ISTD										
4,6-Dinitro-2-methylphenol				0.060	0.089	0.135	0.159	0.166	0.200	0.135	38.5
* n-Nitrosodiphenylamine	0.588	0.605	0.574	0.584	0.588	0.603	0.586	0.528		0.582	4.1
Azobenzene	1.174	1.315	1.270	1.337	1.326	1.383	1.346	1.255		1.301	5.0
2,4,6-Tribromophenol	0.055	0.066	0.063	0.070	0.075	0.089	0.081	0.083		0.073	15.6
4-Bromophenyl-phenylether	0.227	0.224	0.214	0.215	0.217	0.222	0.216	0.197		0.217	4.2
Hexachlorobenzene	0.274	0.281	0.255	0.259	0.254	0.251	0.250	0.228		0.257	6.3
* Pentachlorophenol			0.076	0.096	0.103	0.127	0.116	0.130	0.136	0.112	19.2
Phenanthrene	1.326	1.295	1.255	1.227	1.210	1.220	1.164	1.082		1.222	6.2
Anthracene	1.198	1.230	1.191	1.237	1.202	1.214	1.171	1.067		1.189	4.5
Di-n-butylphthalate	1.951	1.801	1.770	1.789	1.781	1.845	1.766	1.615		1.790	5.2
* Fluoranthene	1.242	1.277	1.217	1.234	1.193	1.247	1.191	1.111		1.214	4.2
Benzidine			0.073	0.128	0.235	0.303	0.286			0.205	49.0
Chrysene-d12	ISTD										
Pyrene	2.122	2.003	1.936	2.061	1.722	1.914	1.890	1.823		1.934	6.7
Terphenyl-d14	1.197	1.117	1.105	1.103	0.956	1.047	1.046	1.060		1.079	6.5
Butylbenzylphthalate	1.195	1.147	1.142	1.249	1.112	1.278	1.249	1.240		1.202	5.1
3,3'-Dichlorobenzidine	0.315	0.341	0.353	0.346	0.344	0.391	0.417	0.371		0.360	8.9
Benzo[a]anthracene	1.798	1.490	1.380	1.306	1.218	1.381	1.357	1.250		1.398	13.1
Chrysene	1.632	1.389	1.338	1.332	1.200	1.348	1.290	1.197		1.341	10.2
bis(2-Ethylhexyl)phthalate		2.287	2.410	1.900	1.609	1.785	1.771	1.655		1.917	16.3
Perylene-d12	ISTD										
* Di-n-octylphthalate	1.543	1.632	1.964	2.125	2.636	2.688	2.596			2.169	22.2
Benzo[b]fluoranthene	2.248	1.797	1.556	1.751	1.573	1.384	1.511	1.516		1.667	16.2
Benzo[k]fluoranthene	1.687	1.625	1.363	1.392	1.621	1.299	1.462	1.320		1.471	10.4
* Benzo[a]pyrene	1.680	1.576	1.361	1.332	1.404	1.307	1.334	1.223		1.402	10.8
Indeno[1,2,3-cd]pyrene	0.934	1.151	1.302	1.107	1.272	1.228	1.332	1.325		1.206	11.3
Dibenz[a,h]anthracene	0.674	0.869	1.057	0.981	1.105	1.060	1.124	1.043		0.989	15.2
Benzo[g,h,i]perylene	0.933	1.016	1.172	0.941	1.127	1.008	1.155	1.073		1.053	8.8

Fri Sep 29 13:48:08 2000

* CCC
** SPCC

Compound List Report 5970 - In

Method : C:\HPCHEM\1\METHODS\LLTRIALR.M
Title : BNA Calibration
Last Update : Wed Sep 27 10:21:17 2000
Response via : Initial Calibration
Total Cpnds : 82

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	10.44	1.000	L	3	A	L
2		N-Nitrosodimethylamine	74	4.14	0.397	L	3	A	B
3		pyridine	79	4.14	0.397	L	3	A	B
4	S	2-Fluorophenol	112	7.54	0.722	L	3	A	B
5		bis(2-Chloroethyl)ether	93	10.00	0.958	L	3	A	B
6		Aniline	93	9.82	0.941	L	3	A	B
7	S	Phenol-d5	99	9.84	0.943	L	3	A	B
8	CM	Phenol	94	9.87	0.946	L	3	A	B
9	M	2-Chlorophenol	128	10.04	0.962	L	3	A	B
10		1,3-Dichlorobenzene	146	10.35	0.992	L	3	A	B
11	CM	1,4-Dichlorobenzene	146	10.48	1.004	L	3	A	B
12		1,2-Dichlorobenzene	146	10.90	1.044	L	3	A	B
13		Benzyl alcohol	108	10.87	1.041	L	3	A	B
14		bis(2-chloroisopropyl)ether	45	11.25	1.078	L	3	A	B
15		2-Methylphenol	108	11.20	1.073	L	3	A	B
16		Hexachloroethane	117	11.59	1.110	L	3	A	B
17	PM	N-Nitroso-di-n-propylamine	70	11.56	1.108	L	3	A	B
18		4-Methylphenol	108	11.53	1.105	L	3	A	B
19	I	Naphthalene-d8	136	13.31	1.000	L	3	A	L
20	S	Nitrobenzene-d5	82	11.77	0.884	L	3	A	B
21		Nitrobenzene	77	11.81	0.887	L	3	A	B
22		Isophorone	82	12.37	0.930	L	3	A	B
23	C	2-Nitrophenol	139	12.54	0.942	A	3	A	B
24		2,4-Dimethylphenol	107	12.70	0.954	L	3	A	B
25		Benzoic acid	105	12.92	0.971	L	3	A	B
26		bis(2-Chloroethoxy)methane	93	12.91	0.970	L	3	A	B
27	C	2,4-Dichlorophenol	162	13.06	0.981	L	3	A	B
28	M	1,2,4-Trichlorobenzene	180	13.24	0.995	L	3	A	B
29		Naphthalene	128	13.36	1.004	L	3	A	B
30		4-Chloroaniline	127	13.55	1.018	L	3	A	B
31	C	Hexachlorobutadiene	225	13.81	1.037	L	3	A	B
32	CM	4-Chloro-3-methylphenol	107	14.67	1.102	L	3	A	B
33		2-Methylnaphthalene	142	14.89	1.119	L	3	A	B
34	I	Acenaphthene-d10	164	17.20	1.000	L	3	A	L
35	P	Hexachlorocyclopentadiene	237	15.41	0.896	L	3	A	B
36	C	2,4,6-Trichlorophenol	196	15.58	0.906	L	3	A	B
37		2,4,5-Trichlorophenol	196	15.65	0.910	L	3	A	B
38	S	2-Fluorobiphenyl	172	15.76	0.917	L	3	A	B
39		2-Chloronaphthalene	162	15.95	0.927	L	3	A	B
40		2-Nitroaniline	65	16.25	0.945	L	3	A	B
41		Acenaphthylene	152	16.85	0.980	L	3	A	B
42		Dimethylphthalate	163	16.76	0.974	L	3	A	B
43		2,6-Dinitrotoluene	165	16.87	0.981	L	3	A	B
44	CM	Acenaphthene	153	17.27	1.004	L	3	A	B
45		3-Nitroaniline	138	17.16	0.998	L	3	A	B
46	P	2,4-Dinitrophenol	184	17.38	1.011	L	3	A	B
47		Dibenzofuran	168	17.64	1.026	L	3	A	B
48	M	2,4-Dinitrotoluene	165	17.75	1.032	L	3	A	B
49	PM	4-Nitrophenol	109	17.56	1.021	L	3	A	B
50		Fluorene	166	18.52	1.077	L	3	A	B
51		4-Chlorophenyl-phenylether	204	18.56	1.079	L	3	A	B
52		Diethylphthalate	149	18.45	1.073	L	3	A	B
53		4-Nitroaniline	138	18.69	1.087	L	3	A	B
54	I	Phenanthrene-d10	188	21.11	1.000	L	3	A	L
55		4,6-Dinitro-2-methylphenol	198	18.82	0.892	L	3	A	B
56	C	n-Nitrosodiphenylamine	169	18.92	0.896	L	3	A	B
57		Azobenzene	77	19.01	0.900	L	3	A	B
58	S	2,4,6-Tribromophenol	330	19.27	0.913	L	3	A	B
59		4-Bromophenyl-phenylether	248	19.96	0.946	L	3	A	B
60		Hexachlorobenzene	284	20.33	0.963	L	3	A	B
61	CM	Pentachlorophenol	266	20.81	0.986	L	3	A	B
62		Phenanthrene	178	21.17	1.003	L	3	A	B
63		Anthracene	178	21.27	1.008	L	3	A	B
64		Di-n-butylphthalate	149	22.78	1.079	L	3	A	B
65	C	Fluoranthene	202	23.99	1.136	L	3	A	B
66		Benzidine	184	24.36	1.154	L	3	A	B

67	I	Chrysene-d12	240	27.64	1.000	L	3	A	L
68	M	Pyrene	202	24.53	0.888	L	3	A	B
69	S	Terphenyl-d14	244	25.07	0.907	L	3	A	B
70		Butylbenzylphthalate	149	26.49	0.959	L	3	A	B
71		3,3'-Dichlorobenzidine	252	27.61	0.999	L	3	A	B
72		Benzo[a]anthracene	228	27.61	0.999	L	3	A	B
73		Chrysene	228	27.70	1.002	L	3	A	B
74		bis(2-Ethylhexyl)phthalate	149	27.91	1.010	L	3	A	B
75	I	Perylene-d12	264	30.86	1.000	L	3	A	L
76	C	Di-n-octylphthalate	149	29.19	0.946	L	3	A	B
77		Benzo[b]fluoranthene	252	29.96	0.971	L	3	A	B
78		Benzo[k]fluoranthene	252	30.02	0.973	L	3	A	B
79	C	Benzo[a]pyrene	252	30.72	0.995	L	3	A	B
80		Indeno[1,2,3-cd]pyrene	276	33.92	1.099	L	3	A	B
81		Dibenz[a,h]anthracene	278	33.96	1.100	L	3	A	B
82		Benzo[g,h,i]perylene	276	34.80	1.127	L	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

LLTRIALR.M Fri Sep 29 13:45:15 2000 486DX2

Sequence Name: C:\HPCHEM\1\SEQUENCE\9_28_00.S
Comment:
Operator:
Data Path: C:\HPCHEM\1\DATA\9_28_00\
Pre-Seq Cmd:
Post-Seq Cmd:

OK 9-29-00 BD

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	MB0927	LLTRIALR	Method Blank 9-26-00
2)	Sample	2	71254	LLTRIALR	Ecology & Environment DW-EW-3553
3)					

SVOC Internal Standard (IS) Summary
Area Counts (AC) and Retention Time (RT)
Analysis Date: 9-28-00

DCS = Daily Check Standard

		1	2	3	4	5	6
DCS	AC	164033	536419	316687	511413	359395	292713
	RT	10.40	13.28	17.16	21.07	27.60	30.81

DCS Response QC Limits based on Initial Calibration

IS	Name	AC Limits (-50% + 100%)	RT Limits (±0.5 min)
1	1,4-Dichlorobenzene, d4	132425 - 529702	9.94 - 10.94
2	Naphthalene, d8	440672 - 1762688	12.81 - 13.81
3	Acenaphthene, d10	248924 - 995698	16.70 - 17.70
4	Phenanthrene, d10	365696 - 1462784	20.61 - 21.61
5	Chrysene, d12	255626 - 1022506	27.14 - 28.14
6	Perylene, d12	167718 - 670872	30.37 - 31.37

SVOC Internal Standard (IS) Summary
Area Counts (AC) and Retention Time (RT)
Analysis Date 9-28-00

DCS = Daily Check Standard ICS = Initial Calibration Standard

		1	2	3	4	5	6
DCS	AC	164033	536419	316687	511413	359395	292713
	RT	10.40	13.28	17.16	21.07	27.60	30.81
MB0927	AC	158746	510517	312660	483078	320591	267478
	RT	10.40	13.28	17.17	21.08	27.59	30.79
71254	AC	202850	655002	391475	620594	396773	331489
	RT	10.41	13.29	17.17	21.07	27.60	30.80
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						
	AC						
	RT						

Calibration Check: DCS IS Areas within –50% + 100% of ICS Yes ✓ No ____
If No but run continued, explain ____

Sample Response QC Limits based on DCS

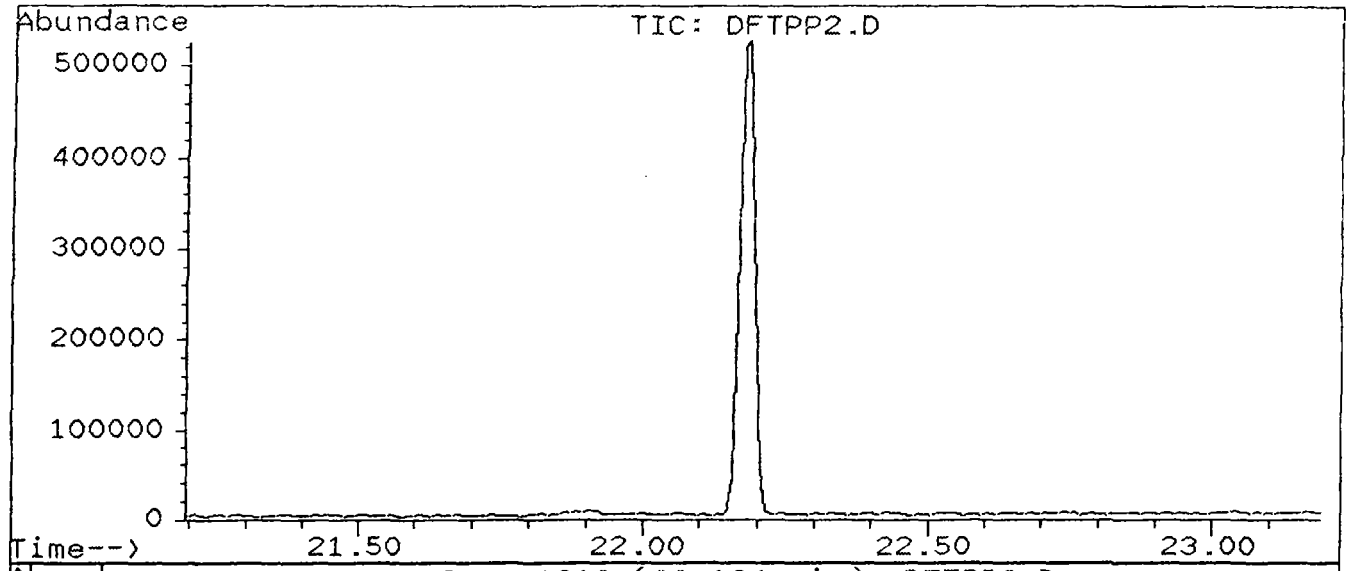
IS	Name	AC Limits (–50% + 100%)	RT Limits (±0.5 min)
1	1,4 Dichlorobenzene, d4	82016 – 328066	9.90 – 10.90
2	Naphthalene, d8	268209 – 1072838	12.78 – 13.78
3	Acenaphthene, d10	158343 – 633374	16.66 – 17.66
4	Phenanthrene, d10	255706 – 1022826	20.57 – 21.57
5	Chrysene, d12	179697 – 718790	27.10 – 28.10
6	Perylene, d12	146356 – 585426	30.31 – 31.31

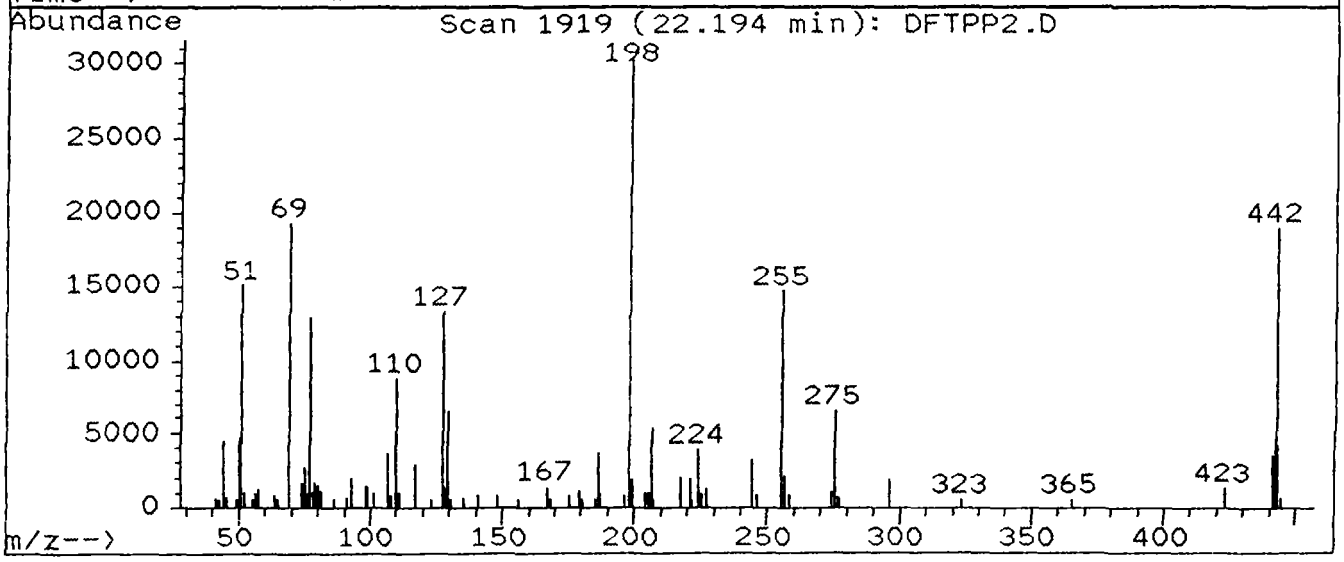
DFTPP

Data File : C:\HPCHEM\1\DATA\9_28_00\DFTPP2.D
Acq Time : 28 Sep 100 10:26 am
Sample : DFTPP
Misc : 5 ng

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\LLTRIALR.M
Title : BNA Calibration

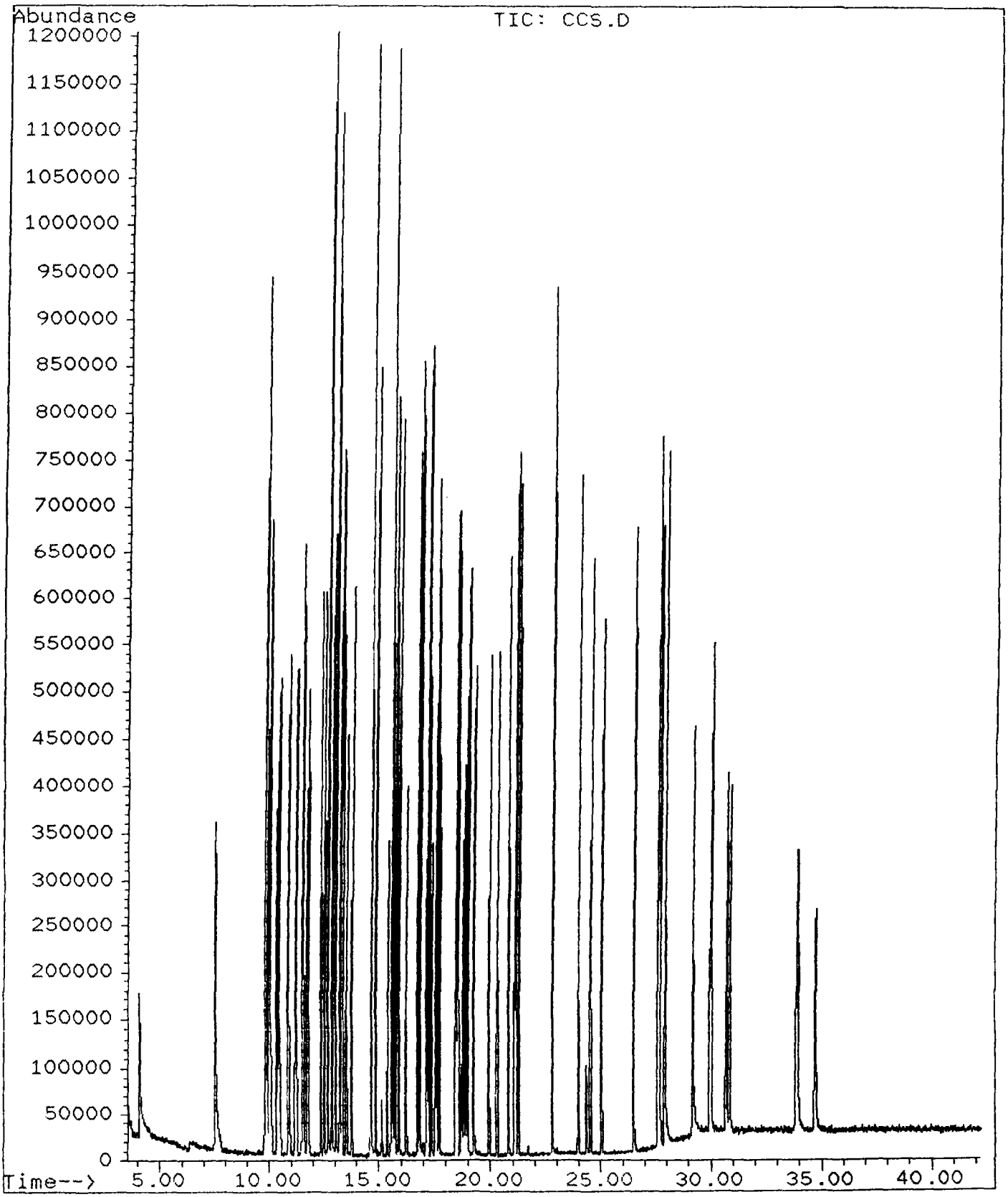




Peak Apex is scan: 1919

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.2	15150	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	64.0	19304	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	44.2	13326	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	30160	PASS
199	198	5	9	6.1	1853	PASS
275	198	10	30	21.8	6588	PASS
365	198	1	100	2.0	601	PASS
441	443	0	100	86.5	3453	PASS
442	198	40	100	62.8	18944	PASS
443	442	17	23	21.1	3992	PASS

File : C:\HPCHEM\1\DATA\9_28_00\CCS.D
Operator : BD
Acquired : 28 Sep 100 11:09 am using AcqMethod LLTRIALQ
Instrument : 5970 - In
Sample Name: Calibration Check Standard
Misc Info : (5 ng)(10 ng Phenol)
Vial Number: 99



EIS Analytical Services Inc

File	C:\HPCHEM\1\DATA\9_28_00\CCS.D
Sample	Calibration Check Standard
Date	28 Sep 100 11:09 am
Misc	(5 ng)(10 ng Phenol)

Linear Regression
Not Thru Zero

CCC SPCC	Compound	AvgRRF	DesRRF	%Diff
*	Acenaphthene	1.078		-4.5
	Acenaphthylene	1.737		-1.8
	Aniline	1.479		-3.8
	Anthracene	1.073		6.3
	Azobenzene	1.264		13.7
	Benzidine	0.306		26.9
	Benzo[a]anthracene	1.261		13.3
*	Benzo[a]pyrene	1.229		-2.7
	Benzo[b]fluoranthene	1.509		6.8
	Benzo[g,h,i]perylene	1.082		-6.8
	Benzo[k]fluoranthene	1.329		-1.9
	Benzoic acid	0.322		-4.7
	Benzyl alcohol	0.753		17.4
	bis(2-Chloroethoxy)methane	0.511		7.7
	bis(2-Chloroethyl)ether	1.473		5.4
	bis(2-chloroisopropyl)ether	2.289		-11.0
	bis(2-Ethylhexyl)phthalate	1.655		34.0
	4-Bromophenyl-phenylether	0.198		-5.9
	Butylbenzylphthalate	1.244		28.4
*	4-Chloro-3-methylphenol	0.375		9.0
	4-Chloroaniline	0.420		9.2
	2-Chloronaphthalene	1.039		-3.3
	2-Chlorophenol	1.333		10.9
	4-Chlorophenyl-phenylether	0.570		-12.3
	Chrysene	1.205		6.0
	Di-n-butylphthalate	1.626		13.0
*	Di-n-octylphthalate	2.647		16.1
	Dibenz[a,h]anthracene	1.053		-11.3
	Dibenzofuran	1.383		-8.4
	1,2-Dichlorobenzene	1.249		1.0
	1,3-Dichlorobenzene	1.308		4.9
*	1,4-Dichlorobenzene	1.388		4.5
	3,3'-Dichlorobenzidine	0.377		47.9
*	2,4-Dichlorophenol	0.286		-3.8
	Diethylphthalate	1.534		3.6
	2,4-Dimethylphenol	0.395		-3.3
	Dimethylphthalate	1.370		-2.2
	4,6-Dinitro-2-methylphenol	0.201		10.0
**	2,4-Dinitrophenol	0.224	0.11	2.6
	2,4-Dinitrotoluene	0.492		0.2
	2,6-Dinitrotoluene	0.348		0.7
*	Fluoranthene	1.117		-0.4

	Fluorene	1.162		-6.4
	2-Fluorobiphenyl	1.070		-10.3
	2-Fluorophenol	1.135		10.5
	Hexachlorobenzene	0.229		-18.6
*	Hexachlorobutadiene	0.125		-11.7
**	Hexachlorocyclopentadiene	0.267	0.27	-12.4
	Hexachloroethane	0.599		-1.7
	Indeno[1,2,3-cd]pyrene	1.330		-8.2
	Isophorone	0.852		4.5
	2-Methylnaphthalene	0.573		-3.6
	2-Methylphenol	1.090		6.7
	4-Methylphenol	1.153		6.6
	Naphthalene	0.968		3.2
	2-Nitroaniline	0.574		18.5
	3-Nitroaniline	0.340		17.7
	4-Nitroaniline	0.359		24.6
	Nitrobenzene	0.471		-0.6
	Nitrobenzene-d5	0.454		-4.0
*	2-Nitrophenol	0.190		6.7
**	4-Nitrophenol	0.262	0.19	17.1
**	N-Nitroso-di-n-propylamine	1.156	1.16	8.4
	N-Nitrosodimethylamine	0.906		34.7
*	n-Nitrosodiphenylamine	0.533		17.7
*	Pentachlorophenol	0.136		-3.5
	Phenanthrene	1.086		6.7
*	Phenol	1.680		8.1
	Phenol-d5	1.582		8.7
	Pyrene	1.829		5.4
	pyridine	1.361		40.3
	Terphenyl-d14	1.059		-0.9
	2,4,6-Tribromophenol	0.083		-5.7
	1,2,4-Trichlorobenzene	0.295		-10.2
	2,4,5-Trichlorophenol	0.394		-9.7
*	2,4,6-Trichlorophenol	0.385		-1.6

* Calibration Check Compounds (CCC)
The maximum difference is 20%

** System Performance Check Compound (SPCC)
The minimum response factor for semivolatile SPCC's is 0.05

Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_28_00\CCS.D
Acq Time : 28 Sep 100 11:09 am
Sample : Calibration Check Standard
Misc : (5 ng)(10 ng Phenol)
Quant Time: Sep 28 12:22 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

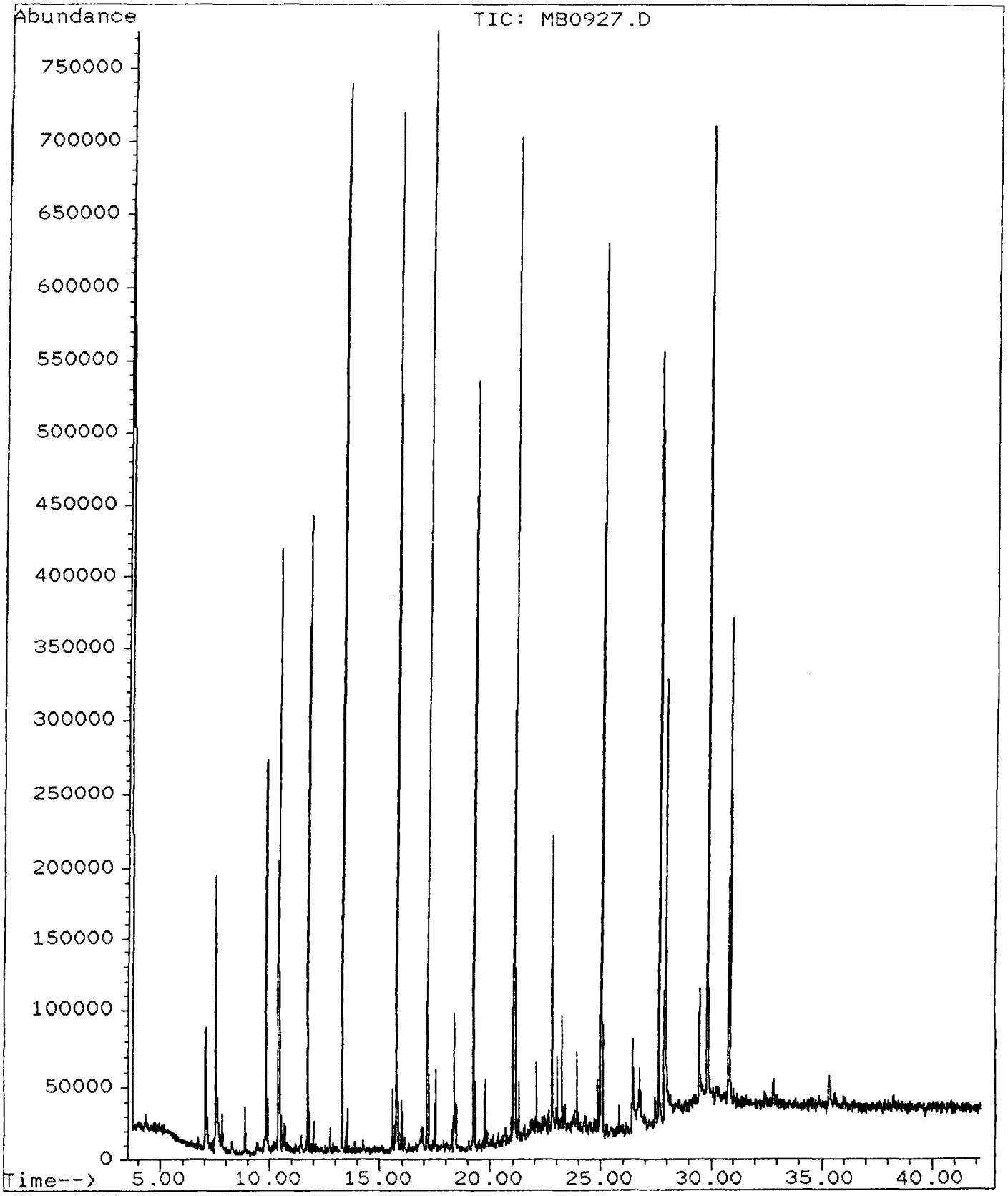
Method : C:\HPCHEM\1\METHODS\LLTRIALR.M
Title : BNA Calibration
Last Update : Wed Sep 27 10:21:17 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.40	152	164033	5.00	ng/ul		-0.04
19) Naphthalene-d8	13.28	136	536419	5.00	ng/ul		-0.03
34) Acenaphthene-d10	17.16	164	316687	5.00	ng/ul		-0.03
54) Phenanthrene-d10	21.07	188	511413	5.00	ng/ul		-0.03
67) Chrysene-d12	27.60	240	359395	5.00	ng/ul		-0.04
75) Perylene-d12	30.81	264	292713	5.00	ng/ul		-0.06
System Monitoring Compounds							%Recovery
4) 2-Fluorophenol	7.51	112	336810	8.95	ug/l		82.15%
7) Phenol-d5	9.81	99	485017	9.13	ug/l		85.97%
20) Nitrobenzene-d5	11.74	82	252655	5.20	ug/l		126.55%
38) 2-Fluorobiphenyl	15.74	172	400131	5.51	ug/l		107.26%
58) 2,4,6-Tribromophenol	19.23	330	88815	10.57	ug/l		96.13%
69) Terphenyl-d14	25.03	244	378328	5.05	ug/l		92.76%
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	4.07	74	100109	3.27	ug/l	#	62
3) pyridine	4.07	79	125239	2.99	ug/l	#	85
5) bis(2-Chloroethyl)ether	9.96	93	246235	4.73	ug/l		90
6) Aniline	9.78	93	289295	5.19	ug/L	#	49
8) Phenol	9.84	94	529096	9.19	ug/l		91
9) 2-Chlorophenol	10.00	128	394505	8.91	ug/l		94
10) 1,3-Dichlorobenzene	10.32	146	220649	4.76	ug/l		92
11) 1,4-Dichlorobenzene	10.44	146	232843	4.78	ug/l		96
12) 1,2-Dichlorobenzene	10.87	146	221812	4.95	ug/l		97
13) Benzyl alcohol	10.83	108	109782	4.13	ug/l		89
14) bis(2-chloroisopropyl)ethe	11.22	45	389172	5.55	ug/l		88
15) 2-Methylphenol	11.17	108	173002	4.66	ug/l		95
16) Hexachloroethane	11.55	117	108628	5.09	ug/l		98
17) N-Nitroso-di-n-propylamine	11.53	70	190240	4.58	ug/l	#	100
18) 4-Methylphenol	11.51	108	177668	4.67	ug/l		96
21) Nitrobenzene	11.78	77	263398	5.03	ug/l		86
22) Isophorone	12.33	82	467770	4.78	ug/l		97
23) 2-Nitrophenol	12.50	139	190361	9.33	ug/l		93
24) 2,4-Dimethylphenol	12.68	107	410932	10.33	ug/l		94
25) Benzoic acid	12.88	105	56556	5.24	ug/L	#	81
26) bis(2-Chloroethoxy)methane	12.88	93	275939	4.62	ug/l		77
27) 2,4-Dichlorophenol	13.03	162	330861	10.38	ug/l		92
28) 1,2,4-Trichlorobenzene	13.21	180	190337	5.51	ug/l		97
29) Naphthalene	13.33	128	555338	4.84	ug/l		100
30) 4-Chloroaniline	13.53	127	224518	4.54	ug/l		98
31) Hexachlorobutadiene	13.78	225	87193	5.59	ug/l	#	65
32) 4-Chloro-3-methylphenol	14.64	107	370596	9.10	ug/l		97
33) 2-Methylnaphthalene	14.86	142	357271	5.18	ug/l	#	62
35) Hexachlorocyclopentadiene	15.39	237	85389	5.62	ug/l		98
36) 2,4,6-Trichlorophenol	15.55	196	242322	10.16	ug/l		95
37) 2,4,5-Trichlorophenol	15.63	196	138407	5.48	ug/l		94
39) 2-Chloronaphthalene	15.91	162	362259	5.16	ug/l		88
40) 2-Nitroaniline	16.22	65	135200	4.07	ug/l	#	100
41) Acenaphthylene	16.82	152	587198	5.09	ug/l		97
42) Dimethylphthalate	16.72	163	457333	5.11	ug/l		93
43) 2,6-Dinitrotoluene	16.85	165	99793	4.96	ug/l		90
44) Acenaphthene	17.23	153	378618	5.23	ug/l		96
45) 3-Nitroaniline	17.12	138	89952	4.11	ug/l	#	90
46) 2,4-Dinitrophenol	17.35	184	71729	9.74	ug/l	#	78
47) Dibenzofuran	17.60	168	507269	5.42	ug/l		94
48) 2,4-Dinitrotoluene	17.72	165	135876	4.99	ug/l		92
49) 4-Nitrophenol	17.53	109	117861	8.29	ug/l	#	89
50) Fluorene	18.48	166	416425	5.32	ug/l		94
51) 4-Chlorophenyl-phenylether	18.52	204	210262	5.62	ug/l	#	90
52) Diethylphthalate	18.41	149	473006	4.82	ug/l		87
53) 4-Nitroaniline	18.65	138	70106	3.77	ug/l		95

55)	4,6-Dinitro-2-methylphenol	18.78	198	121524	9.00	ug/l #	87
56)	n-Nitrosodiphenylamine	18.87	169	249267	4.12	ug/l #	91
57)	Azobenzene	18.97	77	593526	4.31	ug/L	96
59)	4-Bromophenyl-phenylether	19.93	248	115856	5.29	ug/l	94
60)	Hexachlorobenzene	20.30	284	148988	5.93	ug/l #	97
61)	Pentachlorophenol	20.78	266	129163	10.35	ug/l	84
62)	Phenanthrene	21.25	178	566982	4.67	ug/l	74
63)	Anthracene	21.25	178	566982	4.69	ug/l	83
64)	Di-n-butylphthalate	22.75	149	795647	4.35	ug/l	94
65)	Fluoranthene	23.95	202	614651	5.02	ug/l	94
66)	Benzidine	24.33	184	86859	3.65	ug/L	97
68)	Pyrene	24.50	202	639350	4.73	ug/l	98
70)	Butylbenzylphthalate	26.46	149	315326	3.58	ug/l	91
71)	3,3'-Dichlorobenzidine	27.58	252	73464	2.61	ug/l	97
72)	Benzo[a]anthracene	27.56	228	417575	4.34	ug/l	94
73)	Chrysene	27.66	228	436099	4.70	ug/l	80
74)	bis(2-Ethylhexyl)phthalate	27.88	149	441167	3.30	ug/l	84
76)	Di-n-octylphthalate	29.15	149	624520	4.19	ug/l	95
77)	Benzo[b]fluoranthene	29.92	252	413273	4.66	ug/l	87
78)	Benzo[k]fluoranthene	29.96	252	422911	5.10	ug/l	85
79)	Benzo[a]pyrene	30.67	252	398064	5.13	ug/l	94
80)	Indeno[1,2,3-cd]pyrene	33.83	276	405685	5.41	ug/l	86
81)	Dibenz[a,h]anthracene	33.89	278	349620	5.57	ug/l	86
82)	Benzo[g,h,i]perylene	34.70	276	339604	5.34	ug/l #	83

(#) = qualifier out of range (m) = manual integration
CCS.D LLTRIALR.M Thu Sep 28 12:22:53 2000 486DX2

File : C:\HPCHEM\1\DATA\9_28_00\MB0927.D
Operator : BD
Acquired : 28 Sep 100 12:35 pm using AcqMethod LLTRIALR
Instrument : 5970 - In
Sample Name: Method Blank 9-26-00
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 1



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_28_00\MB0927.D
Acq Time : 28 Sep 100 12:35 pm
Sample : Method Blank 9-26-00
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 28 13:17 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.2ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALR.M
Title : BNA Calibration
Last Update : Wed Sep 27 10:21:17 2000
Response via : Multiple Level Calibration

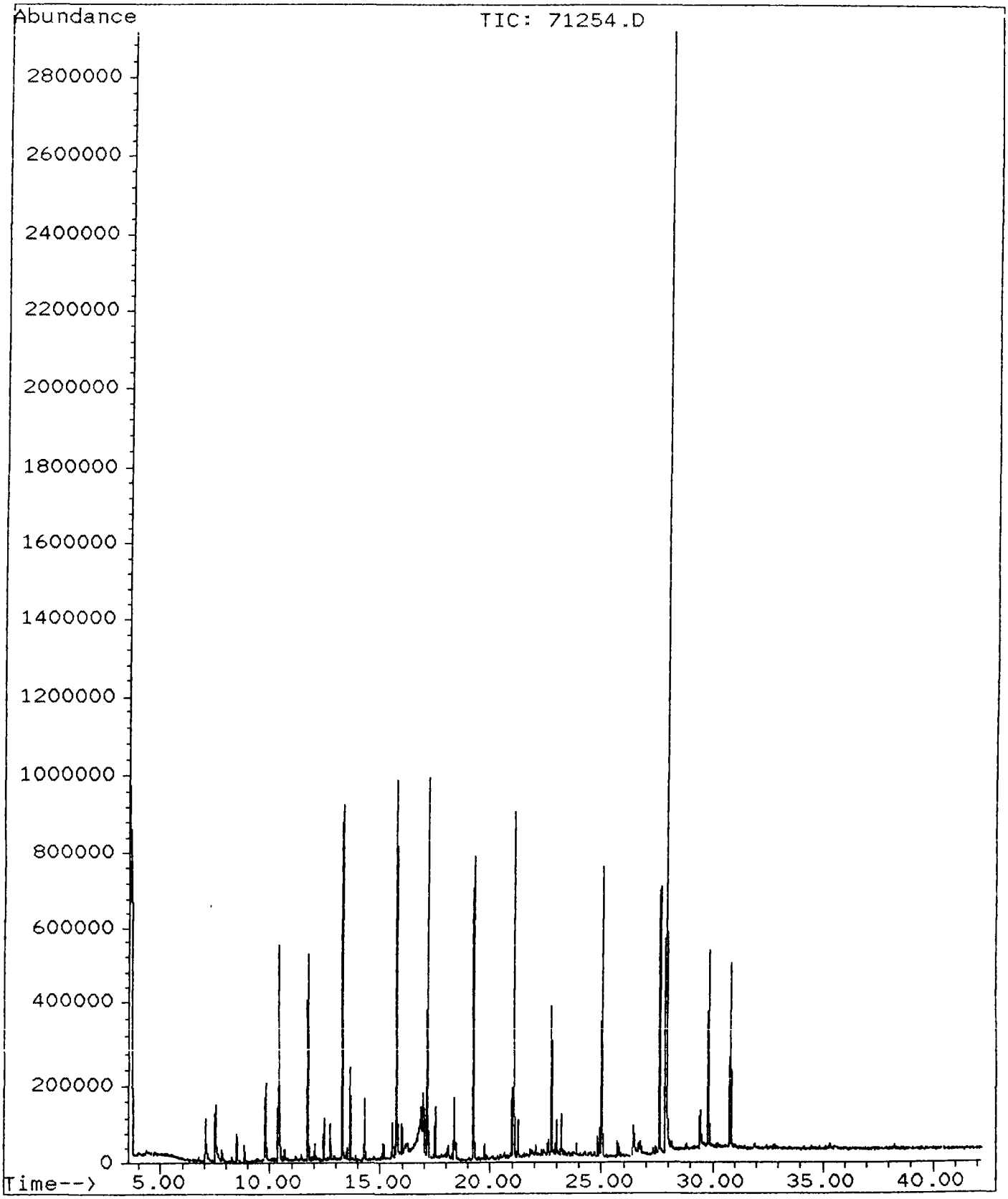
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.40	152	158746	5.00	ng/ul	-0.04
19) Naphthalene-d8	13.28	136	510517	5.00	ng/ul	-0.03
34) Acenaphthene-d10	17.17	164	312660	5.00	ng/ul	-0.03
54) Phenanthrene-d10	21.08	188	483078	5.00	ng/ul	-0.03
67) Chrysene-d12	27.59	240	320591	5.00	ng/ul	-0.05
75) Perylene-d12	30.79	264	267478	5.00	ng/ul	-0.07

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.50	112	172144	4.68	ug/l	~~42.95%~~ 46
7) Phenol-d5	9.80	99	194964	3.66	ug/l	~~34.51%~~ 38
20) Nitrobenzene-d5	11.74	82	235280	5.09	ug/l	~~120.83%~~ 96
38) 2-Fluorobiphenyl	15.74	172	365402	5.07	ug/l	~~98.64%~~ 102
58) 2,4,6-Tribromophenol	19.23	330	92761	11.68	ug/l	~~106.16%~~ 80
69) Terphenyl-d14	25.03	244	423533	6.31	ug/l	~~116.06%~~ 126

Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.08	45	302	0.37	ug/l	#	57
25) Benzoic acid	13.29	105	1365	3.64	ug/L	#	1
40) 2-Nitroaniline	15.84	65	336	0.36	ug/l	#	100
42) Dimethylphthalate	17.17	163	55239	0.48	ug/l	# ppb	1
43) 2,6-Dinitrotoluene	17.16	165	43109 mg/L	2.42	ug/l	#	22
52) Diethylphthalate	18.40	149	13901	0.10	ug/l		85
64) Di-n-butylphthalate	22.75	149	178410 0.0007%	0.70	ug/l	0.70	95
70) Butylbenzylphthalate	26.46	149	8913	0.17	ug/l		89
74) bis(2-Ethylhexyl)phthalate	27.89	149	226880 0.0017	1.73	ug/l	1.7	83
76) Di-n-octylphthalate	28.89	149	593	0.17	ug/l		69

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

File : C:\HPCHEM\1\DATA\9_28_00\71254.D
Operator : BD
Acquired : 28 Sep 100 1:26 pm using AcqMethod LLTRIALR
Instrument : 5970 - In
Sample Name: Ecology & Environment DW-EW-3553
Misc Info : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Vial Number: 2



Quantitation Report

Data File : C:\HPCHEM\1\DATA\9_28_00\71254.D
Acq Time : 28 Sep 100 1:26 pm
Sample : Ecology & Environment DW-EW-3553
Misc : (1 ul / 1 ml KD)(1000)(BNA)(SUR 1X)
Quant Time: Sep 28 14:09 19100

Operator: BD
Inst : 5970 - In
Multiplr: 1.00

EQL=0.8 ppb
DF=1

Method : C:\HPCHEM\1\METHODS\LLTRIALR.M
Title : BNA Calibration
Last Update : Wed Sep 27 10:21:17 2000
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.41	152	202850	5.00	ng/ul	-0.03
19) Naphthalene-d8	13.29	136	655002	5.00	ng/ul	-0.02
34) Acenaphthene-d10	17.17	164	391475	5.00	ng/ul	-0.03
54) Phenanthrene-d10	21.07	188	620594	5.00	ng/ul	-0.04
67) Chrysene-d12	27.60	240	396773	5.00	ng/ul	-0.03
75) Perylene-d12	30.80	264	331489	5.00	ng/ul	-0.06

System Monitoring Compounds						%Recovery
4) 2-Fluorophenol	7.52	112	130359	2.73	ug/l	~~25.08%~~ 27
7) Phenol-d5	9.81	99	141713	1.99	ug/l	~~18.74%~~ 21
20) Nitrobenzene-d5	11.74	82	291782	4.92	ug/l	~~11[illegible].71%~~
38) 2-Fluorobiphenyl	15.73	172	454446	5.03	ug/l	~~9[illegible].93%~~ 92
58) 2,4,6-Tribromophenol	19.24	330	132178	12.94	ug/l	~~1[illegible].62%~~ 101
69) Terphenyl-d14	25.03	244	514121	6.19	ug/l	~~113.86%~~ 88

Target Compounds							Qvalue
14) bis(2-chloroisopropyl)ethe	11.23	45	342	0.37	ug/l	#	57
25) Benzoic acid	13.29	105	1571	3.63	ug/L	#	1
40) 2-Nitroaniline	16.30	65	304	0.36	ug/l		100
42) Dimethylphthalate	17.17	163	68515	0.47	ug/l	#	1
43) 2,6-Dinitrotoluene	17.16	165	54974	2.45	ug/l	#	22
45) 3-Nitroaniline	17.52	138	2263	0.03	ug/l	#	70
49) 4-Nitrophenol	17.16	109	1134	1.25	ug/l	#	1
52) Diethylphthalate	18.40	149	16325 mg/L	0.09	ug/l		88
64) Di-n-butylphthalate	22.75	149	317637 0.001	1.14	ug/l	1-1	95
70) Butylbenzylphthalate	26.45	149	12658	0.18	ug/l		82
74) bis(2-Ethylhexyl)phthalate	27.89	149	1472215 0.011	10.80	ug/l	11	80
76) Di-n-octylphthalate	29.15	149	10765	~~0.22~~	~~ug~~/l		78

ppb

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

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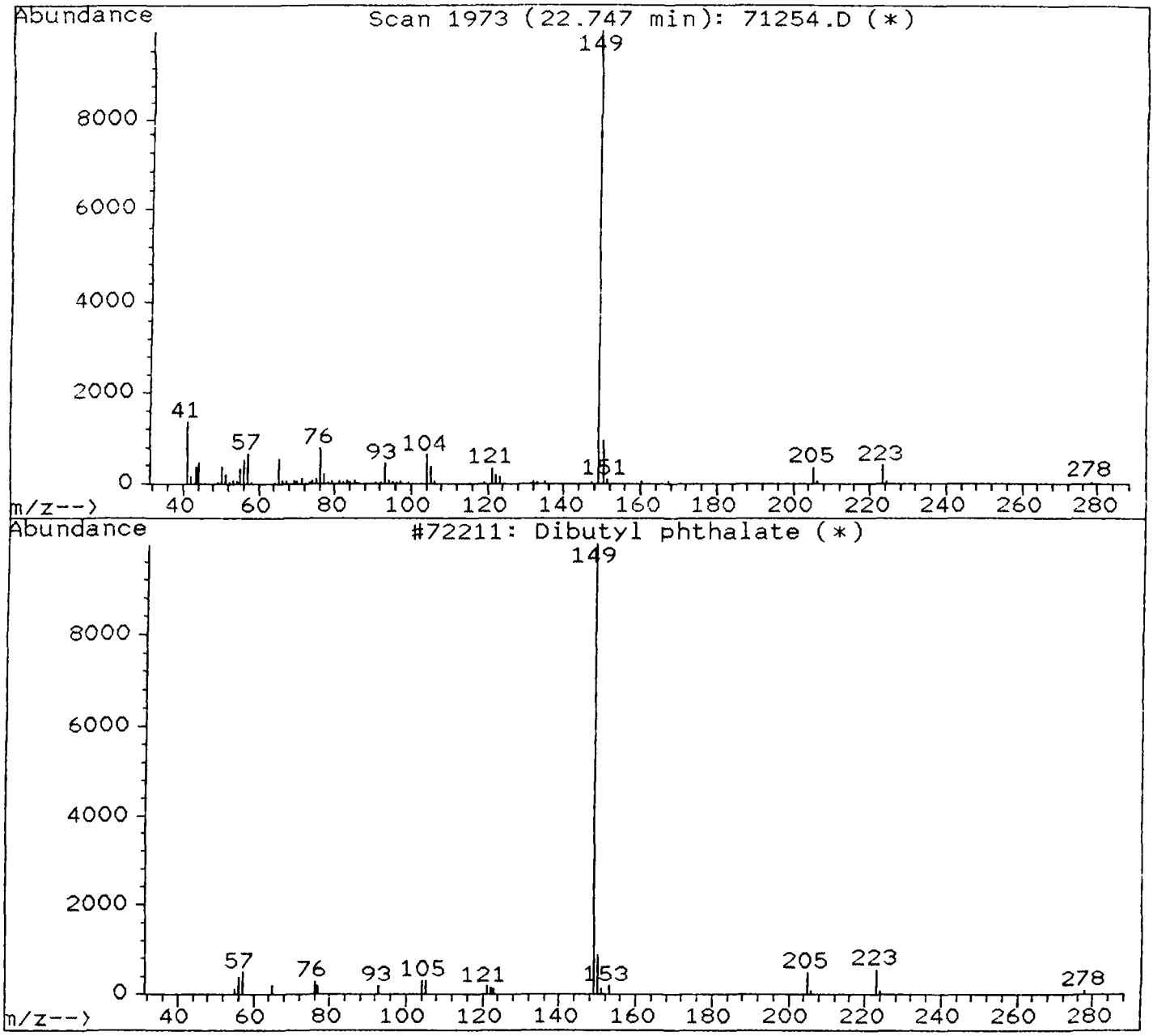
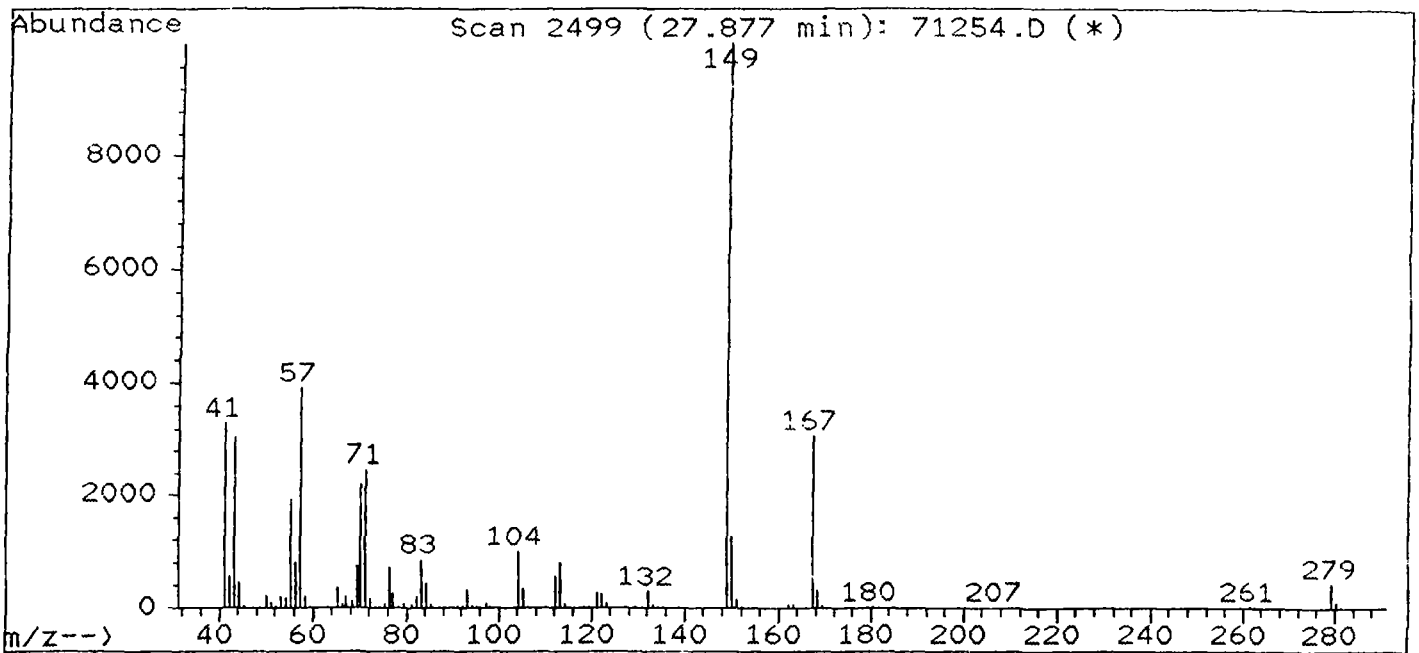
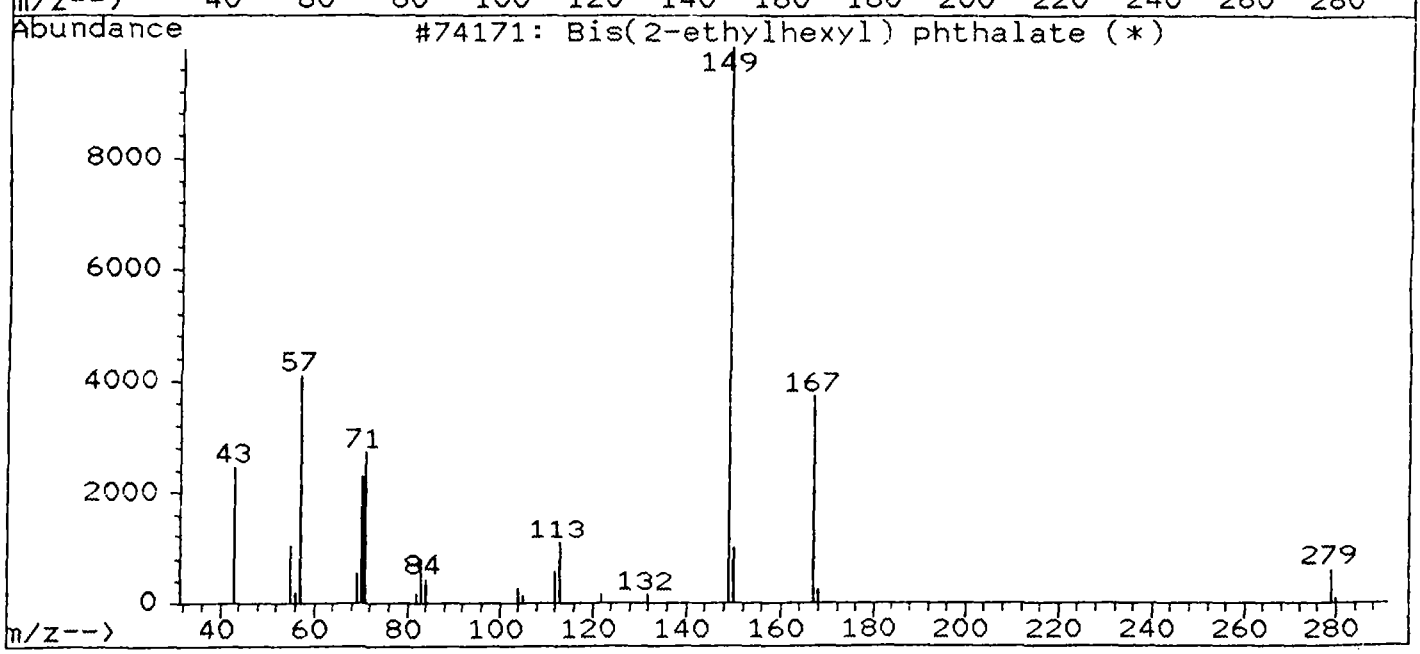
Quality : 96
ID : Dibutyl phthalate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