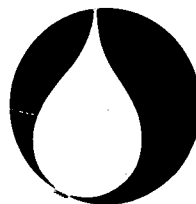
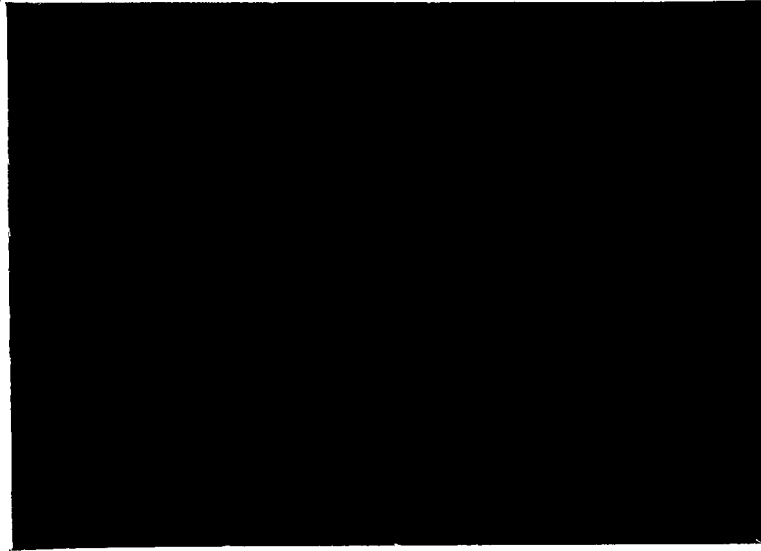

file. hw. P28044. 1990. 9-28. State-St-MH-Lp-
tunnel-lab-analysis

State St. Mt. Hope Tunnel



aquatec INC.

ANALYTICAL RESULTS FOR
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL 802/658-1074

NARRATIVE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/655-1074



aquatec INC. ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

September 28, 1990

Mr. John M. Ryan, Chief
Analytical Services Section
Bureau of Water Research
New York Department of
Environmental Conservation
50 Wolf Road, Room 301
Albany, NY 12233-3502

Re: Aquatec Project No. 87006
New York State Contract No. C-001762
ETR No. 22840 Case No. RB090 SDG No. 0828

Dear Mr. Ryan:

Enclosed are the analytical results for the sample received from the New York State Department of Environmental Conservation.

The samples were received intact by Aquatec on August 29, 1990.

For the sample received, laboratory numbers were assigned and designated as follows:

<u>New York State</u>	<u>Aquatec</u>	<u>Sample Matrix</u>
Trip blank	120196	water
907601	120197	leachate

In analyzing the leachate sample labeled 907601 for Pesticide/PCB's, the sample extract and its associated method blank went through sulfur clean-up.

Sincerely,

Joseph R. Comeau, Ph.D.
Vice President
Chemistry Division

Enclosure

cc: Gardiner Cross

87006B27SEP90

000001

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

- ☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13 PP Metals	☐ 3. Volatiles—USEPA 624 (GC/MS)	☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)	☐ 5. Cyanide	☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601-GC)	☐ 8. Aromatic Volatiles (USEPA 602-GC)	☐ 12. TSS
☐ 10. pH	☐ 11. COD	☐ 15. Ammonia
☐ 13. Settleable Solids	☐ 14. TKN	☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphorus	☐ 21. Total Phenols
☐ 19. Oil/Grease	☐ 20. TOC	☐ 60. PCB's congener method
☐ 22. Other _____	☐ 59. PCB's at 0.065 ug/L	☐ 64. Total Solids
	☐ 62. CBOD	☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

☒ 23. (ALL)—Water—Includes 24-28	☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)	☐ 30. B/N/A—Soils/Sediment—GC-MS (ASP #89-2)
☐ 25. Volatile Organic Analysis VOA—Water—GC-MS (ASP #89-1)	☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
☐ 26. Pesticides/PCB's—Water—GC (ASP #89-3)	☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
☐ 27. Metals—Water	☐ 33. Metals—Soil/Sediment
☐ 28. Cyanide—Water	☐ 34. Cyanide—Soils/Sediment
☐ 66. Dioxin—Water (ASP #89-4)	☐ 67. Dioxin—Soil/Sediment (ASP #89-4)
☐ 35. Other _____	

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity	☐ 40. VOA—(USEPA 8240)	☐ 41. BNA—(USEPA 8270)
☐ 42. Pesticides/PCB's (USEPA 8080)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63. Percent Solids	☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSSB-01	☐ 50. RSSR-01	☐ 51. RSGR-01	☐ 52. RSRB-01	☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01	☐ 55. RSSB-01	☐ 56. RSRR-01	☐ 57. RSRR-02	☐ 58. Other _____

COLLECTED BY:

Gardner Cross

TELEPHONE NUMBER:

518-457-3373

REGION NO:

0

CONTRACT LAB:

AQUATECH

COUNTY:

Monroe

SAMPLING DATE:

8/28/90

MILITARY TIME:

10:00

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☒ Other (Specify) Leachate

CASE NUMBER

R1B10910

SDG NUMBER

11111

SAMPLE NUMBER

91071601

CHECK FOR MS/MD

☐ This Sample

TYPE OF SAMPLE:

☒ Grab☐ Composite ☐ Term _____ hrs☐ Check if there will be more samples with this SDG sent in this calendar weekReport via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐

Outfall Number

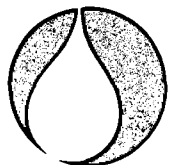
Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER

FLOW

GPD
MGD

000002

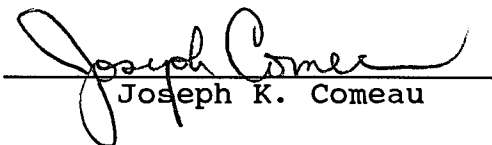


aquatec INC.

ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

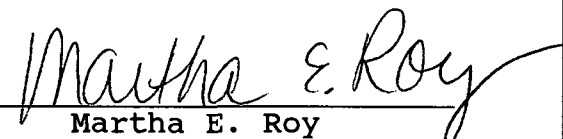
I, Joseph K. Comeau, Laboratory Director of Aquatec, Inc. Environmental Services, South Burlington, Vermont, hereby certify pursuant to New York Criminal Procedure Law Section 190.30 that the attached, dated September 28, 1990, Contract No. C-001762, Aquatec Project No. 87006, ETR No's. 22841, is a true copy of the laboratory report prepared by Aquatec under my supervision, which was employed therefore by the New York State Department of Environmental Conservation ("DEC"), concerning the results of this laboratory's analysis numbers 120199 and 120204 which corresponds to DEC sample numbers PI590-A40-01 through PI590-A40-06 for the samples received by this laboratory on August 29, 1990.


Joseph K. Comeau

STATE OF VERMONT)
CHITTENDEN COUNTY, SS.)

At South Burlington, Vermont, on this 28th day of September 1990, Joseph K. Comeau appeared before me and acknowledged the foregoing statements made herein to be true to the best of his knowledge.

Subscribed and sworn to before me


Martha E. Roy
Notary Public

My commission expires February 1991.

000003

ANALYTICAL RESULTS



aquatec

ENVIRONMENTAL SERVICES

**75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/656-1074**

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Aquatec, Inc Contract: C-001762
Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828
SOW No.: _____

EPA Sample No.
907601

Lab Sample ID.
120197

Were ICP interelement corrections applied?

Yes/No No
Yes _____

Were ICP background corrections applied?
If yes-were raw data generated before
application of background corrections?

Yes/No _____
Yes/No No
Yes/No _____

Comments:

Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: Joseph Comer

Date: 9/28/90

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: AQUATEC, INC. Contract: C-001762 907601Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828Matrix (soil/water): Water Lab Sample ID: 120197Level (low/med): _____ Date Received: 08/29/90% Solids: 0.0Concentration Units (ug/L or mg/Kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U	W	F
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.5			P
7440-70-2	Calcium	251000			P
7440-47-3	Chromium	17.8			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	68700			P
7439-92-1	Lead	5.0	U	W	F
7439-95-4	Magnesium	107000		E	P
7439-96-5	Manganese	322		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	23900			P
7782-49-2	Selenium	5.0	U	W	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	800000			P
7440-28-0	Thallium	100	U	W	F
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	22.8			P
	Cyanide	10.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: AQUATEC, INC. Contract: C-001762

PBW

Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828Matrix (soil/water): Water Lab Sample ID: PrepblankLevel (low/med): _____ Date Received: ----% Solids: 0.0Concentration Units (ug/L or mg/Kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	-129	B		P
7440-36-0	Antimony	54.4	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium	4.3	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	3.1	U		P
7440-70-2	Calcium	-1050	B		P
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	9.0	U		P
7439-89-6	Iron	30.2	U		P
7439-92-1	Lead	0.70	U		F
7439-95-4	Magnesium	277	U	E	P
7439-96-5	Manganese	3.7	U	E	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	16.7	U		P
7440-09-7	Potassium	383	U		P
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	6.3	U		P
7440-23-5	Sodium	347	B		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	27.8	U		P
7440-66-6	Zinc	7.8	B		P
	Cyanide	10.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120196

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D120196V

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120196

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D120196V

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D120197V

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	59	
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	32	
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	7	
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: D120197V

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634-04-4	PROPANE, 2-METHOXY-2-METHYL	11.95	10	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKB7

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: DOAB001GV

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: DOAB001GV

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	6	J
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKB7

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: DOAB001GV

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: DOAB001GV

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Date Analyzed: 09/07/90

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 1005 (g/mL) ML

Lab File ID: B120197S

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	bis(2-Chloroisopropyl) ether	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
65-85-0-----	Benzoic acid	50	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 1005 (g/mL) ML

Lab File ID: B120197S

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 1005 (g/mL) ML

Lab File ID: B120197S

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKL8

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: BB0830L8S

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: BB0830L8S

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N

pH: _____

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	bis(2-Chloroisopropyl) ether	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
65-85-0-----	Benzoic acid	50	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKL8

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: BB0830L8S

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: BB0830L8S

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	50	U
534-52-1-----	4,6-Dinitro-2-methylphenol	50	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenz(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKL8

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: BB0830L8S

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: BB0830L8S

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	9.33	9	JA
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____
16. _____	_____	_____	_____	_____
17. _____	_____	_____	_____	_____
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____
21. _____	_____	_____	_____	_____
22. _____	_____	_____	_____	_____
23. _____	_____	_____	_____	_____
24. _____	_____	_____	_____	_____
25. _____	_____	_____	_____	_____
26. _____	_____	_____	_____	_____
27. _____	_____	_____	_____	_____
28. _____	_____	_____	_____	_____
29. _____	_____	_____	_____	_____
30. _____	_____	_____	_____	_____

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: 120197

Sample wt/vol: 1008 (g/mL) ML

Lab File ID: _____

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/05/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	0.99	U
72-55-9	4,4'-DDE	0.99	U
72-20-8	Endrin	0.99	U
33213-65-9	Endosulfan II	0.99	U
72-54-8	4,4'-DDD	0.99	U
1031-07-8	Endosulfan sulfate	0.99	U
50-29-3	4,4'-DDT	0.99	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	0.99	U
5103-71-9	alpha-Chlordane	5.0	U
5103-74-2	gamma-Chlordane	5.0	U
8001-35-2	Toxaphene	9.9	U
12674-11-2	Aroclor-1016	5.0	U
11104-28-2	Aroclor-1221	5.0	U
11141-16-5	Aroclor-1232	5.0	U
53469-21-9	Aroclor-1242	5.0	U
12672-29-6	Aroclor-1248	5.0	U
11097-69-1	Aroclor-1254	9.9	U
11096-82-5	Aroclor-1260	9.9	U

8D
PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP764

GC Column ID: RTX-35

Dates of Analysis: 09/05/90

to

09/06/90

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD ($\leq$ 10.0%)
Aldrin	130157	129259	137868	3.6
Endrin	94483	104157	112432	8.7
4,4'-DDT	109804	118064	117270	4.0
DBC	92948	95188	92719	1.5

(1)

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

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

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
INITIAL					
01 EVAL MIX B	09/05/90	0837	2.35	0.74	
02 EVAL MIX B	09/05/90	1830	5.35	0.83	
03 EVAL MIX B					
04 EVAL MIX B					
05 EVAL MIX B					
06 EVAL MIX B					
07 EVAL MIX B					
08 EVAL MIX B					
09 EVAL MIX B					
10 EVAL MIX B					
11 EVAL MIX B					
12 EVAL MIX B					
13 EVAL MIX B					
14 EVAL MIX B					

- (2) See Form instructions.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKT6

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Matrix: (soil/water) WATER

Lab Sample ID: PBLKT6

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

Level: (low/med) LOW

Date Received: 08/29/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/05/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
5103-71-9-----	alpha-Chlordane	0.50	U
5103-74-2-----	gamma-Chlordane	0.50	U
8001-35-2-----	Toxaphene	1.0	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	0.50	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

QC SUMMARY



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(A)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828Initial Calibration Source: EPA-CIContinuing Calibration Source: EPA-CI

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic	25.0	25.34	101.4	25.0	23.87	95.5	24.31	97.2	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	34.0	33.07	97.3	34.0	32.67	96.1			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	25.2	25.00	99.2	25.2	25.33	100.5	24.00	95.2	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

A.1

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828

Initial Calibration Source: _____

Continuing Calibration Source: EPA-CI

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic				25.0	25.49	102.0			F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				25.2	26.00	103.2			F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000023

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(B)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090SAS No.: SDG No.: 0828Initial Calibration Source: EPA-CIContinuing Calibration Source: EPA-CI

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	34.0	31.88	93.8	34.0	32.34	95.1			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

C

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090SAS No.: SDG No.: 0828Initial Calibration Source: BAKERContinuing Calibration Source: BAKER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	1.8	1.67	92.8	1.8	1.72	95.6	1.92	106.7	CV
Nickel									
Potassium									
Selenium	15.0	14.80	98.7	15.0	14.80	98.7			F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide	100.0	102.22	102.2	100.0	100.63	100.6			C

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000025

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(C.1)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828

Initial Calibration Source: _____

Continuing Calibration Source: BAKER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				1.8	1.77	98.3	1.92	106.7	CY
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

C-2

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090SAS No.: SDG No.: 0828Initial Calibration Source: Continuing Calibration Source: BAKER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				1.8	1.48	82.2			✓
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(D)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828Initial Calibration Source: BAKERContinuing Calibration Source: BAKER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	15.0	14.89	99.3	15.0	14.00	93.3			F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

E

Lab Name: AQUATEC, INC.Contract: C-001762Lab Code: AQUATCase No.: RB090

SAS No.: _____

SDG No.: 0828Initial Calibration Source: VENTURESContinuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Y
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	50000.0	51995.15	104.0	50000.0	53980.55	108.0	52806.55	105.6	P
Antimony	2000.0	2030.26	101.5	2000.0	1952.62	97.6	2037.76	101.9	P
Arsenic									
Barium	500.0	463.23	92.6	500.0	475.43	95.1	456.86	91.4	P
Beryllium	500.0	472.24	94.4	500.0	463.44	92.7	459.53	91.9	P
Cadmium	500.0	468.55	93.7	500.0	474.78	95.0	469.41	93.9	P
Calcium	50000.0	53090.50	106.2	50000.0	52327.00	104.7	50785.50	101.6	P
Chromium	500.0	479.46	95.9	500.0	476.77	95.4	458.73	91.7	P
Cobalt	500.0	456.66	91.3	500.0	462.74	92.5	455.69	91.1	P
Copper	500.0	484.10	96.8	500.0	471.27	94.3	477.84	95.6	P
Iron	500.0	527.01	105.4	500.0	492.38	98.5	469.66	93.9	P
Lead									
Magnesium	50000.0	48369.45	96.7	50000.0	47564.75	95.1	46343.25	92.7	P
Manganese	500.0	493.10	98.6	500.0	514.34	102.9	488.60	97.7	P
Mercury									
Nickel	500.0	496.84	99.4	500.0	488.42	97.7	457.18	91.4	P
Potassium	50000.0	52015.00	104.0	50000.0	52674.50	104.1	52353.00	104.5	P
Selenium									
Silver	500.0	494.78	99.0	500.0	515.34	103.1	493.16	98.6	P
Sodium	50000.0	49187.50	98.4	50000.0	49274.50	98.5	49187.50	98.4	P
Thallium									
Vanadium	500.0	494.75	99.0	500.0	465.45	93.1	468.12	93.6	P
Zinc	500.0	482.46	96.5	500.0	484.96	97.0	465.63	93.1	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

FORM II (PART 1) - IN

7/88

B-165

9/89

000029

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

E.1

Lab Name: AQUATEC, INC.Contract: C-001762Lab Code: AQUAICase No.: R8090

SAS No.: _____

SDG No.: 0828

Initial Calibration Source: _____

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	53560.55	107.1			P
Antimony				2000.0	2006.03	100.3			P
Arsenic									
Barium				500.0	472.54	94.5			P
Beryllium				500.0	474.92	95.0			P
Cadmium				500.0	467.41	93.5			P
Calcium				50000.0	52143.50	104.3			P
Chromium				500.0	485.08	97.0			P
Cobalt				500.0	481.64	96.3			P
Copper				500.0	482.80	96.6			P
Iron				500.0	479.80	96.0			P
Lead									
Magnesium				50000.0	47347.35	94.7			P
Manganese				500.0	453.71	90.7			P
Mercury									
Nickel				500.0	504.61	100.9			P
Potassium				50000.0	46756.50	93.5			P
Selenium									
Silver				500.0	462.52	92.5			P
Sodium				50000.0	50046.50	100.1			P
Thallium									
Vanadium				500.0	484.35	96.9			P
Zinc				500.0	485.07	97.0			P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

FORM II (PART 1) - IN

7/88

B-165

9/89

000030

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(F)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090 SAS No.: _____SDG No.: 0828Initial Calibration Source: VENTURESContinuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	500.0	506.55	101.3	500.0	518.88	103.8	500.05	100.0	P
Iron	50000.0	50960.60	101.9	50000.0	50323.50	100.6	48950.90	97.9	P
Lead									
Magnesium	50000.0	52271.00	104.5	50000.0	51602.00	103.2	51814.50	103.6	P
Manganese	500.0	491.55	98.3	500.0	515.00	103.0	514.71	102.9	P
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	50000.0	50415.00	100.8	50000.0	49164.00	98.3	49134.00	98.3	P
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

(F.1)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090SAS No.: SDG No.: 0828Initial Calibration Source: Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper				500.0	484.52	96.9			P
Iron				50000.0	47936.60	95.9			P
Lead									
Magnesium				50000.0	51858.50	103.7			P
Manganese				500.0	505.32	101.1			P
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium				50000.0	49395.00	98.8			P
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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28

CRDL STANDARD FOR AA AND ICP

(A)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: R6090

SAS No.: _____

SDG No.: 0828AA CRDL Standard Source: BAKERICP CRDL Standard Source: Baker

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony				120.0	122.83	102.4	119.21	99.3
Arsenic	20.0	20.93	104.6					
Barium								
Beryllium				10.0	8.58	85.8	9.11	91.1
Cadmium				10.0	6.02	60.2	10.11	101.1
Calcium								
Chromium				20.0	14.59	73.0	26.38	131.9
Cobalt				100.0	101.41	101.4	99.30	99.3
Copper				50.0	49.19	98.4	42.33	84.7
Iron								
Lead	10.0	10.05	100.5					
Magnesium								
Manganese				30.0	29.27	97.6	10.82	36.1
Mercury								
Nickel				80.0	86.51	108.1	91.98	115.0
Potassium								
Selenium	10.0	10.81	108.1					
Silver				20.0	17.84	89.2	8.04	40.2
Sodium								
Thallium	20.0	21.00	105.0					
Vanadium				100.0	90.90	90.9	93.71	93.7
Zinc				40.0	30.24	75.6	47.53	118.8

000033

U.S. EPA - CLP

28

CRDL STANDARD FOR AA AND ICP

(B)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: R6090

SAS No.: _____

SDG No.: 0828AA CRDL Standard Source: BAKERICP CRDL Standard Source: Baker

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper				50.0	56.94	113.9	49.21	98.4
Iron								
Lead	10.0	10.32	103.2					
Magnesium								
Manganese				30.0	30.30	101.0	29.43	98.1
Mercury								
Nickel								
Potassium								
Selenium	10.0	10.05	100.5					
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

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3
BLANKS

(A)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum	-130.0	B	-133.4	B	-147.3	B	-116.3	B	-128.5	B	P
Antimony	54.4	U	54.4	U	54.4	U	54.4	U	54.4	U	P
Arsenic	2.2	U	2.2	U	2.2	U	2.2	U	2.2	U	F
Barium	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	P
Beryllium	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	P
Cadmium	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	P
Calcium	-1058.5	B	-1048.0	B	-1062.0	B	-1044.5	B	-1045.8	B	P
Chromium	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U	P
Cobalt	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	P
Copper	9.7	U	9.7	U	9.7	U	9.7	U	9.7	U	P
Iron	30.2	U	30.2	U	30.2	U	30.2	U	30.2	U	P
Lead	0.7	U	0.7	U					0.7	U	F
Magnesium	276.7	U	276.7	U	276.7	U	276.7	U	276.7	U	P
Manganese	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	CV
Nickel	16.7	U	19.2	B	16.7	U	17.4	B	16.7	U	P
Potassium	382.9	U	382.9	U	382.9	U	421.0	B	382.9	U	P
Selenium	0.7	U	0.7	U							F
Silver	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	P
Sodium	343.5	B	332.0	B	327.5	B	333.5	B	347.4	B	P
Thallium	-1.7	B	-1.3	B	1.2	U	1.2	U	1.2	U	F
Vanadium	27.8	U	27.8	U	27.8	U	27.8	U	27.8	U	P
Zinc	11.6	B	7.8	B	6.3	U	9.3	B	7.8	B	P
Cyanide	10.0	U	10.0	U					10.0	U	C

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3
BLANKS

(A.1)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RBD90

SAS No.: _____

SDG No.: 0828

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury			0.1	u	0.1	u					CV
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

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3
BLANKS

(B)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper	9.0	U	9.0	U	-10.5	B	9.0	U	9.0	U	P
Iron	22.4	U	22.4	U	22.4	U	22.4	U			P
Lead	0.7	U	0.7	U							F
Magnesium	-960.0	B	-917.5	B	-922.0	B	-963.0	B			P
Manganese	2.6	U	2.6	U	2.6	U	2.6	U			P
Mercury											
Nickel											
Potassium											
Selenium	0.7	U	0.7	U					0.7	U	F
Silver											
Sodium	219.9	U	219.9	U	219.9	U	219.9	U			P
Thallium											
Vanadium											
Zinc											
Cyanide											

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ICP INTERFERENCE CHECK SAMPLE

(A)

Lab Name: AQUATEC, INC.Contract: C-001762Lab Code: AQUATCase No: RB090SAS No.: SDG No.: 0828ICP ID Number: ICP2 / ICP1-S6ICS Source: BAKER

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	478386	494225.1	98.8	491038	517442.2	103.5
Antimony		910	9	981.4	107.8	10	987.7	108.5
Arsenic								
Barium		494	4	459.2	93.0	4	446.7	90.4
Beryllium		464	-1	443.3	95.5	-1	438.9	94.6
Cadmium		860	20	834.0	97.0	18	862.6	100.3
Calcium	500000	500000	505134	499121.0	99.8	504784	491947.0	98.4
Chromium		515	40	488.6	94.9	45	480.8	93.4
Cobalt		416	11	415.2	99.8	17	388.5	93.4
Copper		455	16	443.1	97.4	14	428.9	94.3
Iron	200000	200000	183055	190028.5	95.0	184608	189116.5	97.6
Lead								
Magnesium	500000	500000	458908	476790.3	95.4	464656	462859.2	92.6
Manganese		485	18	491.5	101.3	16	476.8	98.3
Mercury								
Nickel		831	14	843.2	101.5	25	831.8	100.1
Potassium			48	153.5		586	330.5	
Selenium								
Silver		829	-1	943.6	113.8	-3	925.9	111.7
Sodium			494	485		410	468.5	
Thallium								
Vanadium		470	3	452.4	96.3	-7	430.8	91.7
Zinc		916	31	930.8	101.6	35	908.3	99.2

FORM IV - IN

7/88

B-168

9/89 000038

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4
ICP INTERFERENCE CHECK SAMPLE

(B)

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No: RB090SAS No.: SDG No.: 0828ICP ID Number: ICPIICS Source: BAKER

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper		441	15	419.5	106.5	19	453.4	102.8
Iron	200000	200000	200867	206015.6	103.0	198614	203039.2	101.5
Lead								
Magnesium	500000	500000	521235	518088.0	103.6	503250.5	511080.0	102.2
Manganese		448	7	470.8	105.1	10	469.0	104.7
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium			202	132.5		83	83.5	
Thallium								
Vanadium								
Zinc								

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7

LABORATORY CONTROL SAMPLE

Lab Name: Aquatec, Inc.Contract: C-001762Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828

Solid LCS Source: _____

Aqueous LCS Source: EPA-LV

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	2010.0	1933.60	96.2					
Antimony	1000.0	952.36	95.2					
Arsenic	47.4	40.88	86.2					
Barium	1960.0	1739.16	88.7					
Beryllium	483.0	425.26	88.0					
Cadmium	502.0	451.00	89.8					
Calcium	48700.0	48992.00	100.6					
Chromium	510.0	441.76	86.6					
Cobalt	502.0	430.00	85.7					
Copper	515.0	447.34	86.9					
Iron	2040.0	1723.42	84.5					
Lead	97.5	101.80	104.4					
Magnesium	24600.0	22351.05	90.8					
Manganese	504.0	455.09	90.3					
Mercury								
Nickel	480.0	432.36	90.1					
Potassium	49000.0	43949.50	89.7					
Selenium	52.6	50.40	95.8					
Silver	500.0	456.96	91.4					
Sodium	49600.0	49673.00	100.1					
Thallium	97.0	99.00	102.1					
Vanadium	488.0	419.95	86.1					
Zinc	3100.0	2619.28	84.5					
Cyanide								

120197

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.

Lab Name: Aquatec, Inc.Contract: C-001762

907601

Lab Code: AQUAICase No.: RB090

SAS No.: _____

SDG No.: 0828Matrix (soil/water): WATER

Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum							NR
Antimony							NR
Arsenic							F
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron	68978.90		71967.20		4.3		P
Lead							F
Magnesium	107059.80		131289.50		22.6	E	P
Manganese	323.660		388.05		19.9	E	P
Mercury							CU
Nickel							NR
Potassium							NR
Selenium							F
Silver							NR
Sodium	805164.00		833382.00		3.5		P
Thallium							E
Vanadium							NR
Zinc							NR

000041

10
HOLDING TIMES

SDG No.: 0828

[illegible]

SUPPORTIVE DOCUMENTATION

FOR METALS

ANALYZED BY ICP

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ETR:22840 (NEWYRK)

ICP2--2DS 9
10-SEP-90 15:51

120197 907601 : (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ba455	19:35	1:1	44.32	44.152	<200 a	✓
Be313.1	19:36	1:1	-1.10	-1.093	<5 a	✓
Ca317	19:34	1:1	251616.50	250663.984	250000 a	251000 ✓
Co238	19:35	1:1	6.22	6.201	<50 a	✓
Cr267	19:35	1:1	17.83	17.763	17.8 a	✓
Cu324	19:36	1:1	2.14	2.137	<30 a	<25 ✓
Ni231	19:35	1:1	24.73	24.636	<40 a	✓
Pb220	19:35	1:1	22.77	22.689	23 a	[No BITLAB req.]
V292	19:36	1:1	-22.20	-22.116	<50 a	✓
Zn213	19:35	1:1	22.84	22.759	23 a	22.6 ✓

120198

LCS

50.00 g sample to 50. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ba455	19:40	1:1	1739.16 ✓	1739.160 ✓	1740 a	1739.2 ✓
Ca317	19:39	1:1	48972.00 ✓	48972.000 ✓	49000 a	
Co238	19:40	1:1	430.01 ✓	430.005 ✓	430 a	
Cr267	19:40	1:1	441.76 ✓	441.760 ✓	440 a	
Cu324	19:41	1:1	447.34 ✓	447.340 ✓	450 a	
Fe259	19:40	1:1	1723.42 ✓	1723.415 ✓	1720 a	
Mg279	19:40	1:1	22331.05 ✓	22331.053 ✓	22000 a	
Ni231	19:40	1:1	432.36 ✓	432.360 ✓	430 a	
Pb220	19:40	1:1	4420.87 ✓	4420.865 ✓	4400 a	[No BITLAB req.]
V292	19:41	1:1	419.95 ✓	419.950 ✓	420 a	
Zn213	19:39	1:1	2619.27 ✓	2619.275 ✓	2600 a	

Be

425.26

425.26

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP901551
Method: EPA\NCLP

ETR:22777(AQAMT)

ICP2--2DS 2
10-SEP-90 15:51

120381LC LCS, SOLIDS LCS :[LCS]08/30/90 (Soil)

1.05 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGS01L:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Ba455	18:11	1:1	28.05	5.343	<40 f	5.3
Be313.1	18:12	1:1	94.82	18.062	18.1 f	✓
Ca317	18:16	1:20.0	1107204.00	210896.016	210000 f	2110.00
Co238	18:11	1:1	712.17	135.652	136 f	135.7
Cr267	18:12	1:1	509.04	96.959	97 f	97.0
Mg279	18:17	1:20.0	625438.50	119131.148	119000 f	✓
Ni231	18:11	1:1	279.61	53.258	53 f	53.3
Pb220	18:11	1:1	1180.23	224.806	220 f	[No BITLAB req.] Fulmer
V292	18:12	1:1	344.42	65.605	66 f	65.6
Zn213	18:11	1:1	882.84	168.159	168 f	168
Fe259		1:20	122377.30	23309.96	23300.0	

120382PB PB608 :[PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ba455	18:21	1:1	2.87	2.865	<200 a	<4.3
Be313.1	18:22	1:1	-0.73	-0.726	<5 a	<1.1
Ca317	18:21	1:1	-1047.50	-1045.827	<5000 a	1045.8B
Co238	18:22	1:1	5.51	5.496	<50 a	<20.0
Cr267	18:22	1:1	2.38	2.371	<10 a	<6.0
Cu324	18:22	1:1	25.36	25.319	25 a	✓ review w/ dilutions run
Fe259	18:22	1:1	11.09	11.072	<100 a	<30.2
Mg279	18:22	1:1	-115.70	-115.515	<5000 a	<270.7
Ni231	18:22	1:1	14.97	14.941	<40 a	<16.9
Pb220	18:21	1:1	5.22	5.212	5.2 a	[No BITLAB req.] Fulmer
V292	18:22	1:1	-8.30	-8.287	<50 a	<27.8
Zn213	18:21	1:1	7.81	7.798	<20 a	7.8B

Calibration Summary

Watch file name: ICP\$MAIN:[ICP\$EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Ca317

ICP2--2DS 1
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Ca317

N= 6 Slope= 0.1333 Intrcpt= 143.14 Correlation(r)=0.999979

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	0.85	0.	-1067.10	1067.10	
# 4 standard	152.75	1000.	72.05	927.95	92.80
# 5 standard	795.25	5000.	4890.34	109.66	2.19
# 6 standard	1452.95	10000.	9822.62	177.38	1.77
# 7 standard	7147.60	50000.	52528.43	-2528.43	-5.06
# 8 standard	66783.30	500000.	499753.66	246.34	0.05

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	53090.50	-3090.50	-6.18	-1058.5B
ICB	BLANK		0	2500	-1058.50	1058.50		
ICSA(AC):1	INTCK		500000	999999	505134.00	-5134.00	-1.03	
ICSAB(AD)2:1	INTCB	400000	500000	600000	499121.00	879.00	0.18	
CCVB(AB):1	CKSTB	45000	50000	55000	52327.00	-2327.00	-4.65	-1048.0B
CCB:1	BLANK		0	2500	-1048.00	1048.00		
CCVB(AB):2	CKSTB	45000	50000	55000	50785.50	-785.50	-1.57	-1062.0B
CCB:2	BLANK		0	2500	-1062.00	1062.00		
CCVB(AB):3	CKSTB	45000	50000	55000	52143.50	-2143.50	-4.29	-1044.5B
CCB:3	BLANK		0	2500	-1044.50	1044.50		
ICSA(AC):2	INTCK		500000	999999	504783.50	-4783.50	-0.96	
ICSAB(AD)2:2	INTCB	400000	500000	600000	491947.00	8053.00	1.61	

No QC failures detected for Ca317

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-1062.00	-1062	
	120084	17537.50	17500	
	120085	28194.00	28200	
	120086	11821.00	11800	
5.00	120086D1	10804.50	10800	
	120086MS	17534.50	17500	
	120086DP	13305.00	13300	
	120087	20369.00	20400	
	120088	24628.00	24600	
	120089	13781.50	13800	
	120381LC	1031541.00		
20.0	120381LC	1107204.00	1107000	FAILS - DILUT
	120382PB	-1047.50	-1048	
	120090	-989.50	-990	
	120094	45381.50	45400	
	120095	45213.50	45200	
	120096	43659.00	43700	
5.00	120096D1	39132.00	39100	
	120096MS	44104.00	44100	
	120096DP	43669.00	43700	
	120097	42979.00	43000	
	120098	-943.00	-943	
	120099	43788.50	43800	
	120100	22377.00	22400	
	120197	251616.50	252000	
	120198	48972.00	49000	
	r1	-1049.50	-1050	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Zn 213

ICP2--2DS
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Zn213

N= 6 Slope= 11.7004 Intrcpt= -67.59 Correlation(r)=0.999967

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	16.60	0.	7.20	-7.20	
# 1 standard	620.10	50.	58.78	-8.78	-17.55
# 2 standard	1141.80	100.	103.36	-3.36	-3.36
# 3 standard	2352.65	200.	206.85	-6.85	-3.43
# 4 standard	11256.05	1000.	967.80	32.20	3.22
# 5 standard	58504.50	5000.	5006.01	-6.01	-0.12

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 482.46	17.54	3.51	
ICB	BLANK	-20.0	0	20	11.55	-11.55		11.6 B
ICSA(AC):1	INTCK		0	999999	31.43	-31.43		
ICSAB(AD)2:1	INTCB	732.9	916	1099.4	930.76	-14.76	-1.61	
CRI(AE):1	DLCK		40	999999	50.24	-10.24	-25.59	
CCVA(AB):1	CKSTA	450	500	550	② 484.96	15.04	3.01	7.8 B
CCB:1	BLANK	-20.0	0	20	7.82	-7.82		
CCVA(AB):2	CKSTA	450	500	550	③ 465.63	34.37	6.87	26.3
CCB:2	BLANK	-20.0	0	20	5.97	-5.97		
CCVA(AB):3	CKSTA	450	500	550	④ 485.07	14.93	2.99	9.3 B
CCB:3	BLANK	-20.0	0	20	9.32	-9.32		
ICSA(AC):2	INTCK		0	999999	35.10	-35.10		
ICSAB(AD)2:2	INTCB	732.9	916	1099.4	908.28	-7.72	-0.84	
CRI(AE):2	DLCK		40	999999	47.53	-7.53	-18.81	

No QC failures detected for Zn213

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	12.85	12.9	
	120084	55.71	55.7	
	120085	54.87	54.9	
	120086	43.97	44.0	
5.00	12008601	111.74	112	
	120086MS	523.17	523	
	120086DP	50.35	50.3	
	120087	58.53	58.5	
	120088	54.37	54.4	
	120089	81.92	81.9	
	120381LC	882.84	883	
20.0	120381LC	1167.94	1170	
	120382PB	7.81	7.81	
	120090	16.31	16.3	
	120094	10.73	10.7	
	120095	15.69	15.7	
	120096	7.32	7.32	
5.00	12009601	49.53	49.5	
	120096MS	473.12	473	
	120096DP	9.81	9.81	
	120097	6.97	6.97	
	120098	11.61	11.6	
	120099	6.71	6.71	
	120100	12.39	12.4	
	120197	22.84	22.8	
	120198 (LCS)	2619.27	2620	
	r1	9.51	9.51	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Ba 455

ICP2--2DS 7
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Ba455

N= 6 Slope= 1.1657 Intrcpt= -1.83 Correlation(r)=0.999997

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	2.20	0.	3.45	-3.45	
# 1 standard	60.80	50.	53.73	-3.73	-7.45
# 2 standard	114.30	100.	99.62	0.38	0.38
# 3 standard	231.60	200.	200.25	-0.25	-0.13
# 4 standard	1153.60	1000.	991.23	8.77	0.88
# 5 standard	5828.45	5000.	5001.72	-1.72	-0.03

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	463.23	36.77	7.35	
ICB	BLANK	-200.0	0	200	2.01	-2.01		44.3
ICSA(AC):1	INTCK		0	999999	3.80	-3.80		
ICSAB(AD)2:1	INTCB	395.1	494	592.60	459.19	34.81	7.05	
CRI(AE):1	DLCK		400	999999	39.42	360.58	90.14	
CCVA(AB):1	CKSTA	450	500	550	475.43	24.57	4.91	44.3
CCB:1	BLANK	-200.0	0	200	3.52	-3.52		
CCVA(AB):2	CKSTA	450	500	550	456.86	43.14	8.63	44.3
CCB:2	BLANK	-200.0	0	200	1.50	-1.50		
CCVA(AB):3	CKSTA	450	500	550	472.54	27.46	5.49	44.3
CCB:3	BLANK	-200.0	0	200	2.28	-2.28		
ICSA(AC):2	INTCK		0	999999	4.27	-4.27		
ICSAB(AD)2:2	INTCB	395.1	494	592.60	446.70	47.30	9.57	
CRI(AE):2	DLCK		400	999999	39.65	360.36	90.09	

No QC failures detected for Ba455

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	3.20	3.20	
	120084	36.69	36.7	
	120085	51.18	51.2	
	120086	41.67	41.7	
5.00	120086D1	71.80	71.8	
	120086MS	1931.47	1930	
	120086DP	42.90	42.9	
	120087	54.22	54.2	
	120088	47.95	48.0	
	120089	99.33	99.3	
	120381LC	28.05	28.0	
20.0	120381LC	67.40	67.4	
	120382PB	2.87	2.87	
	120090	2.78	2.78	
	120094	9.31	9.31	
	120095	8.44	8.44	
	120096	8.90	8.90	
5.00	120096D1	17.33	17.3	
	120096MS	1862.94	1860	
	120096DP	9.61	9.61	
	120097	8.95	8.95	
	120098	2.83	2.83	
	120099	8.50	8.50	
	120100	13.48	13.5	
	120197	44.32	44.3	
	120198	1739.16	1740	
	r1	3.39	3.39	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP] ICP2_WATCH.10SEP901551
Method: EPAINCLP

Co238

ICP2--2DS₁₀
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Co238

N= 5 Slope= 4.4615 Intrcpt= 9.00 Correlation(r)=0.999776

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	52.50	0.	9.75	-9.75	
# 1 standard	193.55	50.	41.36	8.64	17.27
# 2 standard	416.25	100.	91.28	8.72	8.72
# 3 standard	936.45	200.	207.88	-7.88	-3.94
# 4 standard	4469.30	1000.	999.73	0.27	0.03

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 456.66	43.34	8.67	
ICB	BLANK	-50.0	0	50	9.54	-9.54		20.0
ICSA(AC):1	INTCK		0	999999	11.04	-11.04		
ICSAB(AD):2:1	INTCB	332.7	416	499.10	415.16	0.84	0.20	
CRI(AE):1	DLCK		100	999999	101.41	-1.41	-1.41	
CCVA(AB):1	CKSTA	450	500	550	② 462.74	37.26	7.45	20.0
CCB:1	BLANK	-50.0	0	50	5.05	-5.05		
CCVA(AB):2	CKSTA	450	500	550	③ 455.69	44.31	8.86	
CCB:2	BLANK	-50.0	0	50	6.33	-6.33		20.0
CCVA(AB):3	CKSTA	450	500	550	④ 481.64	18.36	3.67	
CCB:3	BLANK	-50.0	0	50	13.90	-13.90		20.0
ICSA(AC):2	INTCK		0	999999	17.10	-17.10		
ICSAB(AD):2:2	INTCB	332.7	416	499.10	388.52	27.48	6.61	
CRI(AE):2	DLCK		100	999999	99.30	0.70	0.70	

No QC failures detected for Co238

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	4.86	4.86	
	120084	13.30	13.3	
	120085	11.65	11.7	
	120086	15.35	15.4	
5.00	120086D1	11.19	11.2	
	120086MS	466.76	467	
	120086DP	3.40	3.40	
	120087	13.13	13.1	
	120088	7.46	7.46	
	120089	22.18	22.2	
20.0	120381LC	712.17	712	
	120381LC	977.66	978	
	120382PB	5.51	5.51	
	120090	11.19	11.2	
	120094	6.36	6.36	
	120095	7.34	7.34	
	120096	4.55	4.55	
5.00	120096D1	-58.60	-58.6	
	120096MS	469.64	470	
	120096DP	5.81	5.81	
	120097	7.14	7.14	
	120098	3.15	3.15	
	120099	-7.22	-7.22	
	120100	9.39	9.39	
	120197	6.22	6.22	
	120198	430.01	430	
	r1	3.76	3.76	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Ni 231

ICP2--2DS₁₁
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Ni231

N= 6 Slope= 7.6036 Intrcpt= -26.45 Correlation(r)=0.999968

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	110.75	0.	18.04	-18.04	
# 1 standard	405.40	50.	56.79	-6.79	-13.59
# 2 standard	721.70	100.	98.39	1.61	1.61
# 3 standard	1492.75	200.	199.80	0.20	0.10
# 4 standard	7358.55	1000.	971.25	28.75	2.88
# 5 standard	38035.20	5000.	5005.72	-5.72	-0.11

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 496.84	3.16	0.63	
ICB	BLANK	-40.0	0	40	13.16	-13.16		116.7
ICSA(AC):1	INTCK		0	999999	13.57	-13.57		
ICSAB(AD)2:1	INTCB	664.9	831	997.4	843.21	-12.21	-1.47	
CRI(AE):1	DLCK		80	999999	86.51	-6.51	-8.14	
CCVA(AB):1	CKSTA	450	500	550	② 488.42	11.58	2.32	
CCB:1	BLANK	-40.0	0	40	19.20	-19.20		19.2B
CCVA(AB):2	CKSTA	450	500	550	③ 457.18	42.82	8.56	
CCB:2	BLANK	-40.0	0	40	14.34	-14.34		116.7
CCVA(AB):3	CKSTA	450	500	550	④ 504.61	-4.61	-0.92	
CCB:3	BLANK	-40.0	0	40	17.40	-17.40		17.4B
ICSA(AC):2	INTCK		0	999999	24.59	-24.59		
ICSAB(AD)2:2	INTCB	664.9	831	997.4	831.85	-0.85	-0.10	
CRI(AE):2	DLCK		80	999999	91.98	-11.98	-14.98	

No QC failures detected for Ni231

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	12.75	12.8	
	120084	23.74	23.7	
	120085	32.88	32.9	
	120086	43.76	43.8	
5.00	120086D1	88.69	88.7	
	120086MS	512.79	513	
	120086DP	20.61	20.6	
	120087	48.23	48.2	
	120088	34.08	34.1	
	120089	30.72	30.7	
	120381LC	279.61	280	
20.0	120381LC	643.90	644	
	120382PB	14.97	15.0	
	120090	19.28	19.3	
	120094	17.50	17.5	
	120095	19.72	19.7	
	120096	20.81	20.8	
5.00	120096D1	84.68	84.7	
	120096MS	474.22	474	
	120096DP	19.11	19.1	
	120097	7.05	7.05	
	120098	26.08	26.1	
	120099	10.64	10.6	
	120100	5.70	5.70	
	120197	24.73	24.7	
	120198	432.36	432	
	r1	20.18	20.2	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Fe 259

ICP2--2DS₁₄
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Fe259

N= 5 Slope= 1.8788 Intrcpt= 3.74 Correlation(r)=0.999987

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	8.10	0.	2.32	-2.32	
# 2 standard	191.00	100.	99.67	0.33	0.33
# 3 standard	403.00	200.	212.50	-12.50	-6.25
# 4 standard	1849.70	1000.	982.50	17.50	1.75
# 5 standard	9403.60	5000.	5003.01	-3.01	-0.06

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA		500	999999	527.01	-27.01	-5.40	
ICVB(AB)	CKSTB	45000	50000	55000	49373.17	626.83	1.25	
ICB	BLANK	-100.0	0	100	22.67	-22.67		430.2
ICSA(AC):1	INTCK		200000	999999	183054.91	16945.09	8.47	
ICSAB(AD):2:1	INTCB	160000	200000	240000	190028.50	9971.50	4.99	
CRI(AE):1	DLCK		200	999999	225.65	-25.65	-12.82	
CCVA(AB):1	CKSTA		500	999999	492.38	7.62	1.52	
CCVB(AB):1	CKSTB	45000	50000	55000	48174.52	1825.48	3.65	
CCB:1	BLANK	-100.0	0	100	12.48	-12.48		430.2
CCVA(AB):2	CKSTA		500	999999	469.66	30.34	6.07	
CCVB(AB):2	CKSTB	45000	50000	55000	47271.34	2728.66	5.46	
CCB:2	BLANK	-100.0	0	100	21.13	-21.13		430.2
CCVA(AB):3	CKSTA		500	999999	479.80	20.20	4.04	
CCVB(AB):3	CKSTB	45000	50000	55000	49084.35	915.65	1.83	
CCB:3	BLANK	-100.0	0	100	15.44	-15.44		430.2
ICSA(AC):2	INTCK		200000	999999	184607.59	15392.41	7.70	
ICSAB(AD):2:2	INTCB	160000	200000	240000	189116.50	10883.50	5.44	
CRI(AE):2	DLCK		200	999999	207.20	-7.20	-3.60	

No QC failures detected for Fe259

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	13.06	13.1	
	120084	14106.79		FAILS - DILUT
	120085	16839.43		FAILS - DILUT
	120086	13978.42		FAILS - DILUT
5.00	120086D1	15173.45	15200	Serial dilution ok
	120086MS	21874.51		FAILS - DILUT
	120086DP	16625.51		FAILS - DILUT
	120087	18081.60		FAILS - DILUT
	120088	16598.49		FAILS - DILUT
	120089	27412.67		FAILS - DILUT
	120381LC	116466.40		FAILS - DILUT
20.0	120381LC	122377.30		FAILS - DILUT use
	120382PB	11.09	11.1	
	120090	19.86	19.9	
	120094	110.89	111	
	120095	112.51	113	
	120096	92.87	92.9	
5.00	120096D1	143.68	144	
	120096MS	1028.20	1030	
	120096DP	98.77	98.8	
	120097	102.49	102	
	120098	26.61	26.6	
	120099	98.90	98.9	
	120100	61.40	61.4	
	120197	54890.08		FAILS - DILUT
	120198	1723.42	1720	
	r1	55.14	55.1	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

Cr 267

ICP2--2DS₁₅
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Cr267

N= 5 Slope= 16.8563 Intrcpt= 66.13 Correlation(r)=0.999981

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	81.80	0.	0.93	-0.93	
# 1 standard	947.95	50.	52.31	-2.31	-4.63
# 2 standard	1678.55	100.	95.66	4.34	4.34
# 3 standard	3453.85	200.	200.98	-0.98	-0.49
# 4 standard	16924.55	1000.	1000.12	-0.12	-0.01

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 479.46	20.54	4.11	
ICB	BLANK	-10.0	0	10	2.75	-2.75		LB.O
ICSA(AC):1	INTCK		0	999999	40.21	-40.21		
ICSAB(AD)2:1	INTCB	412	515	617.80	488.63	26.38	5.12	
CRI(AE):1	DLCK		20	999999	14.59	5.41	27.08	
CCVA(AB):1	CKSTA	450	500	550	② 476.77	23.23	4.65	LB.O
CCB:1	BLANK	-10.0	0	10	-1.70	1.70		
CCVA(AB):2	CKSTA	450	500	550	③ 458.73	41.27	8.25	LB.O
CCB:2	BLANK	-10.0	0	10	3.91	-3.91		
CCVA(AB):3	CKSTA	450	500	550	④ 485.08	14.92	2.98	LB.O
CCB:3	BLANK	-10.0	0	10	2.54	-2.54		
ICSA(AC):2	INTCK		0	999999	44.67	-44.67		
ICSAB(AD)2:2	INTCB	412	515	617.80	480.82	34.18	6.64	
CRI(AE):2	DLCK		20	999999	26.38	-6.38	-31.90	

No QC failures detected for Cr267

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	6.45	6.45	
	120084	30.95	31.0	
	120085	32.59	32.6	
	120086	51.04	51.0	
5.00	120086D1	72.51	72.5	
	120086MS	223.24	223	
	120086DP	35.24	35.2	
	120087	29.21	29.2	
	120088	30.33	30.3	
	120089	37.23	37.2	
	120381LC	509.04	509	
20.0	120381LC	525.16	525	
	120382PB	2.38	2.38	
	120090	1.88	1.88	
	120094	3.46	3.46	
	120095	1.55	1.55	
	120096	3.28	3.28	
5.00	120096D1	-31.39	-31.4	
	120096MS	187.27	187	
	120096DP	-2.17	-2.17	
	120097	1.80	1.80	
	120098	0.89	0.89	
	120099	0.05	0.05	
	120100	3.12	3.12	
	120197	17.83	17.8	
	120198	441.76	442	
	r1	5.03	5.03	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP901551
Method: EPA\NCLP

Mg₂₇₉

ICP2--2DS₁₆
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Mg279

N= 5 Slope= 0.1358 Intrcpt= -1.13 Correlation(r)=0.999975

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	-8.30	0.	-52.76	52.76	
# 4 standard	155.30	1000.	1151.66	-151.66	-15.17
# 5 standard	691.30	5000.	5097.66	-97.66	-1.95
# 6 standard	1326.00	10000.	9770.29	229.71	2.30
# 7 standard	6795.05	50000.	50033.14	-33.14	-0.07

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	48369.45	1630.55	3.26	
ICB	BLANK		0	2500	106.95	-106.95		4276.7
ICSA(AC):1	INTCK		500000	999999	458907.50	41092.50	8.22	
ICSAB(AD)2:1	INTCB	400000	500000	600000	476790.31	23209.69	4.64	
CCVB(AB):1	CKSTB	45000	50000	55000	47564.75	2435.25	4.87	
CCB:1	BLANK		0	2500	-20.50	20.50		4276.7
CCVB(AB):2	CKSTB	45000	50000	55000	46343.25	3656.75	7.31	
CCB:2	BLANK		0	2500	-1.40	1.40		4276.7
CCVB(AB):3	CKSTB	45000	50000	55000	47347.35	2652.65	5.31	
CCB:3	BLANK		0	2500	32.05	-32.05		4276.7
ICSA(AC):2	INTCK		500000	999999	464655.91	35344.09	7.07	
ICSAB(AD)2:2	INTCB	400000	500000	600000	462859.19	37140.81	7.43	

No QC failures detected for Mg279

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	191.80	192	
	120084	7493.70	7490	
	120085	6839.85	6840	
	120086	6934.05	6930	
5.00	120086D1	8164.05	8160	
	120086MS	10087.40	10100	
	120086DP	7038.95	7040	
	120087	8018.70	8020	
	120088	6986.85	6990	
	120089	10615.65	10600	
	120381LC	593748.19		
20.0	120381LC	625438.50	625000	FAILS - DILUT
	120382PB	-115.70	-116	
	120090	69.40	69.4	
	120094	1459.80	1460	
	120095	1510.55	1510	
	120096	1619.65	1620	
5.00	120096D1	1921.50	1920	
	120096MS	1430.55	1430	
	120096DP	1404.45	1400	
	120097	1413.40	1410	
	120098	-13.95	-13.9	
	120099	1552.45	1550	
	120100	1118.60	1120	
	120197	107059.80		
	120198	22331.05	22300	FAILS - DILUT
	r1	-0.15	-0.15	

linear to
500000ppb

Calibration Summary

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

V 292

ICP2--2DS₁₇
10-SEP-90 15:51

Unweighted Linear Calibration Summary for V292

N= 6 Slope= 5.7923 Intrcpt= 86.73 Correlation(r)=0.999979

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	46.90	0.	-6.88	6.88	
# 1 standard	393.95	50.	53.04	-3.04	-6.08
# 2 standard	589.40	100.	86.78	13.22	13.22
# 3 standard	1234.10	200.	198.09	1.91	0.96
# 4 standard	6014.10	1000.	1023.32	-23.32	-2.33
# 5 standard	29022.95	5000.	4995.65	4.35	0.09

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 494.75	5.25	1.05	427.8
ICB	BLANK	-50.0	0	50	-17.45	17.45		
ICSA(AC):1	INTCK		0	999999	3.24	-3.24		
ICSAB(AD):2:1	INTCB	375.6	470	563.4	452.37	17.63	3.75	
CRI(AE):1	DLCK		100	999999	90.90	9.10	9.10	
CCVA(AB):1	CKSTA	450	500	550	② 465.45	34.55	6.91	427.8
CCB:1	BLANK	-50.0	0	50	-5.11	5.11		
CCVA(AB):2	CKSTA	450	500	550	③ 468.12	31.88	6.38	427.8
CCB:2	BLANK	-50.0	0	50	2.58	-2.58		
CCVA(AB):3	CKSTA	450	500	550	④ 484.35	15.65	3.13	427.8
CCB:3	BLANK	-50.0	0	50	-13.91	13.91		
ICSA(AC):2	INTCK		0	999999	-7.09	7.09		
ICSAB(AD):2:2	INTCB	375.6	470	563.4	430.76	39.24	8.35	
CRI(AE):2	DLCK		100	999999	93.71	6.29	6.29	

No QC failures detected for V292

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-11.11	-11.1	
	120084	27.89	27.9	
	120085	19.06	19.1	
	120086	4.24	4.24	
5.00	120086D1	127.99	128	
	120086MS	519.13	519	
	120086DP	6.00	6.00	
	120087	23.27	23.3	
	120088	7.78	7.78	
	120089	29.64	29.6	
20.0	120381LC	344.42	344	
	120382PB	-73.28	-73.3	
	120090	-8.30	-8.30	
	120094	3.73	3.73	
	120096	-19.67	-19.7	
	120095	10.83	10.8	
5.00	120096D1	7.11	7.11	
	120096MS	21.81	21.8	
	120096DP	483.86	484	
	120097	10.80	10.8	
	120098	2.38	2.38	
	120099	6.32	6.32	
	120100	10.95	10.9	
	120197	7.26	7.26	
	120198	-22.20	-22.2	
	r1	419.95	420	
		-10.01	-10.0	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPA]INCLP1ICP2_WATCH.10SEP901551
Method: EPAINCLP

Be 313.1

ICP2--2DS₁₈
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Be313.1

N= 4 Slope=130.4050 Intcpt= 159.91 Correlation(r)=0.999948

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	129.45	0.	-0.23	0.23	
# 1 standard	6812.05	50.	51.01	-1.01	-2.02
# 2 standard	13063.50	100.	98.95	1.05	1.05
# 3 standard	26276.40	200.	200.27	-0.27	-0.14

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 472.24	27.76	5.55	21.1
ICB	BLANK	-5.0	0	5	-1.03	1.03		
ICSA(AC):1	INTCK		0	999999	-0.64	0.64		
ICSAB(AD)2:1	INTCB	371.40	464	557.10	443.33	20.67	4.45	
CRI(AE):1	DLCK		10	999999	8.58	1.42	14.22	
CCVA(AB):1	CKSTA	450	500	550	② 463.44	36.56	7.31	21.1
CCB:1	BLANK	-5.0	0	5	-0.68	0.68		
CCVA(AB):2	CKSTA	450	500	550	③ 459.53	40.47	8.09	21.1
CCB:2	BLANK	-5.0	0	5	-0.18	0.18		
CCVA(AB):3	CKSTA	450	500	550	④ 474.92	25.08	5.02	21.1
CCB:3	BLANK	-5.0	0	5	-0.17	0.17		
ICSA(AC):2	INTCK		0	999999	-0.86	0.86		
ICSAB(AD)2:2	INTCB	371.40	464	557.10	438.89	25.11	5.41	
CRI(AE):2	DLCK		10	999999	9.11	0.89	8.90	

No QC failures detected for Be313.1 .

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-0.44	-0.44	
	120084	0.06	0.06	
	120085	0.25	0.25	
	120086	-0.78	-0.78	
5.00	120086D1	-2.93	-2.93	
	120086MS	47.11	47.1	
	120086DP	-0.12	-0.12	
	120087	0.62	0.62	
	120088	-0.31	-0.31	
	120089	-0.26	-0.26	
	120381LC	94.82	94.8	
20.0	120381LC	86.50	86.5	
	120382PB	-0.73	-0.73	
	120090	-0.44	-0.44	
	120094	-0.39	-0.39	
	120095	-0.37	-0.37	
	120096	-0.37	-0.37	
5.00	120096D1	-2.26	-2.26	
	120096MS	45.37	45.4	
	120096DP	-0.28	-0.28	
	120097	-0.49	-0.49	
	120098	-0.54	-0.54	
	120099	-0.91	-0.91	
	120100	-0.80	-0.80	
	120197	-1.10	-1.10	
	120198	425.26		
	r1	-0.66	-0.66	

FAILS - DILUT

linear to 1000ppb

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP901551
Method: EPA\NCLP

Cu324

ICP2--2DS₁₉
10-SEP-90 15:51

Unweighted Linear Calibration Summary for Cu324

N= 5 Slope= 24.2861 Intrcpt= 208.86 Correlation(r)=0.999934

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	89.45	0.	-4.92	4.92	
# 1 standard	1613.50	50.	57.84	-7.84	-15.67
# 2 standard	2610.00	100.	98.87	1.13	1.13
# 3 standard	5020.20	200.	198.11	1.89	0.94
# 4 standard	24497.35	1000.	1000.10	-0.10	-0.01

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 484.10	15.90	3.18	
ICB	BLANK	-25.0	0	25	8.22	-8.22		29.7
ICSA(AC):1			0	999999	15.78	-15.78		
ICSAB(AD)2:1	INTCB	363.7	455	545.50	443.13	11.88	2.61	
CRI(AE):1	DLCK		50	999999	49.19	0.81	1.61	
CCVA(AB):1	CKSTA	450	500	550	② 471.27	28.73	5.75	29.7
CCB:1	BLANK	-25.0	0	25	-0.56	0.56		
CCVA(AB):2	CKSTA	450	500	550	③ 477.84	22.16	4.43	29.7
CCB:2	BLANK	-25.0	0	25	4.03	-4.03		29.7
CCVA(AB):3	CKSTA	450	500	550	④ 482.80	17.20	3.44	29.7
CCB:3	BLANK	-25.0	0	25	-0.43	0.43		
ICSA(AC):2	INTCK		0	999999	14.32	-14.32		
ICSAB(AD)2:2	INTCB	363.7	455	545.50	428.89	26.11	5.74	
CRI(AE):2	DLCK		50	999999	42.33	7.67	15.34	

No QC failures detected for Cu324

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	10.30	10.3	
	120084	14.35	14.4	
	120085	9.86	9.86	
	120086	5.39	5.39	
5.00	120086D1	37.34	37.3	
	120086MS	242.10	242	
	120086DP	11.09	11.1	
	120087	12.65	12.7	
	120088	5.11	5.11	
	120089	10.52	10.5	
20.0	120381LC	37359.44		FAILS - DILUT
	120381LC	36346.84		FAILS - DILUT
	120382PB	25.36	25.4	
	120090	15.01	15.0	
	120094	12.67	12.7	
	120095	7.18	7.18	
	120096	8.18	8.18	
5.00	120096D1	39.55	39.5	
	120096MS	226.57	227	
	120096DP	6.28	6.28	
	120097	-1.90	-1.90	
	120098	8.24	8.24	
	120099	7.84	7.84	
	120100	5.83	5.83	
	120197	2.14	2.14	
	120198	447.34	447	
	r1	-0.56	-0.56	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 1
10-SEP-90 15:51

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10-SEP-90 15:54:09 Begin method EPA INCLP
10-SEP-90 15:54:31 Method Name: 000Method
10-SEP-90 15:54:31 Comment: JJO
10-SEP-90 15:54:32 Read Delay : 25 sec
10-SEP-90 15:54:33 Replicates : 2 Format name : comport
10-SEP-90 15:54:33 Analysis AS Sample ID Sequence Dilution Weight / Volume
10-SEP-90 15:54:33 Number Posn Name
10-SEP-90 15:54:33 1 1 wcal standard EPA INCLP
10-SEP-90 15:54:34 2 2 blank EPA INCLP
10-SEP-90 15:54:34 3 3 # 1 standard EPA INCLP
10-SEP-90 15:54:34 4 4 # 2 standard EPA INCLP
10-SEP-90 15:54:34 5 5 # 3 standard EPA INCLP
10-SEP-90 15:54:34 6 6 # 4 standard EPA INCLP
10-SEP-90 15:54:34 7 7 # 5 standard EPA INCLP
10-SEP-90 15:54:35 8 8 # 6 standard EPA INCLP
10-SEP-90 15:54:35 9 9 # 7 standard EPA INCLP
10-SEP-90 15:54:35 10 10 # 8 standard EPA INCLP
10-SEP-90 15:54:36 11 11 ICVA(AB) EPA INCLP
10-SEP-90 15:54:36 12 12 ICVB(AB) EPA INCLPA
10-SEP-90 15:54:36 13 13 ICB EPA INCLP
10-SEP-90 15:54:36 14 14 ICSA(AC):1 EPA INCLP
10-SEP-90 15:54:36 15 15 ICSAB(AD)2:1 EPA INCLP
10-SEP-90 15:54:36 16 16 CRI(AE):1 EPA INCLP
10-SEP-90 15:54:36 17 17 120380PB EPA INCLP
10-SEP-90 15:54:37 18 18 120084 EPA INCLP
10-SEP-90 15:54:37 19 19 120085 EPA INCLP
10-SEP-90 15:54:37 20 20 120086 EPA INCLP
10-SEP-90 15:54:37 21 21 120086D1 EPA INCLP 1:5
10-SEP-90 15:54:37 22 22 120086MS EPA INCLP
10-SEP-90 15:54:37 23 23 120086DP EPA INCLP
10-SEP-90 15:54:37 24 24 120087 EPA INCLP
10-SEP-90 15:54:37 25 25 120088 EPA INCLP
10-SEP-90 15:54:38 26 26 120089 EPA INCLP
10-SEP-90 15:54:39 27 27 CCVA(AB):1 EPA INCLP
10-SEP-90 15:54:39 28 12 CCVB(AB):1 EPA INCLPA
10-SEP-90 15:54:39 29 28 CCB:1 EPA INCLP
10-SEP-90 15:54:39 30 29 120381LC EPA INCLP
10-SEP-90 15:54:39 31 30 120381LC EPA INCLP 1:20
10-SEP-90 15:54:39 32 31 120382PB EPA INCLP
10-SEP-90 15:54:39 33 32 120090 EPA INCLP
10-SEP-90 15:54:39 34 33 120094 EPA INCLP
10-SEP-90 15:54:39 35 34 120095 EPA INCLP
10-SEP-90 15:54:39 36 35 120096 EPA INCLP
10-SEP-90 15:54:40 37 36 120096D1 EPA INCLP 1:5
10-SEP-90 15:54:40 38 37 120096MS EPA INCLP
10-SEP-90 15:54:40 39 38 120096DP EPA INCLP
10-SEP-90 15:54:42 40 39 CCVA(AB):2 EPA INCLP
10-SEP-90 15:54:42 41 12 CCVB(AB):2 EPA INCLPA
10-SEP-90 15:54:43 42 40 CCB:2 EPA INCLP
10-SEP-90 15:54:43 43 41 120097 EPA INCLP
10-SEP-90 15:54:43 44 42 120098 EPA INCLP
10-SEP-90 15:54:43 45 43 120099 EPA INCLP
10-SEP-90 15:54:43 46 44 120100 EPA INCLP
10-SEP-90 15:54:44 47 45 120197 EPA INCLP
10-SEP-90 15:54:44 48 46 120198 EPA INCLP
10-SEP-90 15:54:44 49 47 r1 EPA INCLP
10-SEP-90 15:54:44 50 51 CCVA(AB):3 EPA INCLP
10-SEP-90 15:54:44 51 12 CCVB(AB):3 EPA INCLPA
10-SEP-90 15:54:44 52 52 CCB:3 EPA INCLP
10-SEP-90 15:54:46 53 53 ICSA(AC):2 EPA INCLP
10-SEP-90 15:54:46 54 54 ICSAB(AD)2:2 EPA INCLP
10-SEP-90 15:54:46 55 16 CRI(AE):2 EPA INCLP
10-SEP-90 15:54:47
10-SEP-90 15:54:47 Se196,L,0.,25.,50.,70.,
10-SEP-90 15:54:47 PB310,L,100.53,100.
10-SEP-90 15:54:48 ICV-1(LX),L,100.,100.,
10-SEP-90 15:54:48 PB316,S,1.11,200.,
10-SEP-90 15:54:48 LCS(MD),S,1.02,200.,
10-SEP-90 15:54:48 LCS(MD)1/20,S,1.02,200.,,20.,
10-SEP-90 15:54:48 PB318,S,1.02,200.,
10-SEP-90 15:54:48 LCS(MF),S,1.00,200.,
10-SEP-90 15:54:48 LCS(MF)1/20,S,1.00,200.,,20.,
10-SEP-90 15:54:49 PB323,L,100.80,100.,
10-SEP-90 15:54:49 ICV-1(MK),L,100.43,100.,
10-SEP-90 15:54:49 LCS(LL)1/20,S,1.0,200.,,20.,
10-SEP-90 15:54:49 PB332,S,1.19,200.,
10-SEP-90 15:54:49 LCS(MT),S,1.0,200.,
10-SEP-90 15:54:49 LCS(MT)1/20,S,1.,200.,,20.,
10-SEP-90 15:54:49 PB342,L,100.05,100.,
10-SEP-90 15:54:49 ICV-1(ND),L,50.05,50.,
10-SEP-90 15:54:49 1234567812345678123456781234567812345678123456781234567812345678
10-SEP-90 15:54:49 ICH1 Al396.1 Ca317.1 Fe259.1 Mg279.1
10-SEP-90 15:54:49 ICD1 Ag328 1193.39 14.14 0.0 0.0

```

Need to remove:
Ag, Sb, ~~Al~~, Cd,
Na, Mn, K,

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 2

10-SEP-90 15:51

10-SEP-90	15:54:49	ICD1	Al396	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:49	ICD1	Al396.1	1.0	0.0	0.0	0.0		
10-SEP-90	15:54:49	ICD1	Ba455	0.0	13.06	0.0	0.0		
10-SEP-90	15:54:49	ICD1	Be313.1	0.0	35.21	0.0	0.0		
10-SEP-90	15:54:50	ICD1	Ca317	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:50	ICD1	Ca317.1	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:50	ICD1	Co238	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:51	ICD1	Cr267	28.31	0.0	28.35	28.99		
10-SEP-90	15:54:51	ICD1	Cu324	0.0	0.0	69.88	0.0		
10-SEP-90	15:54:51	ICD1	Fe259	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:51	ICD1	Fe259.1	0.0	0.0	1.0	0.0		
10-SEP-90	15:54:51	ICD1	K766	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:51	ICD1	Mg279	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:51	ICD1	Mg279.1	0.0	0.0	0.0	1.0		
10-SEP-90	15:54:51	ICD1	Mn257	12.65	0.0	125.06	68.41		
10-SEP-90	15:54:52	ICD1	Na589	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:52	ICD1	Ni231	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:52	ICD1	Pb220	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:52	ICD1	Sb206	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:52	ICD1	V292	0.0	0.0	0.0	0.0		
10-SEP-90	15:54:53	ICD1	Zn213	26.93	29.71	89.61	66.27		
10-SEP-90	15:56:16	wcal standard	rep 1	Ca317	em	9403.7	conc 1000.00		
10-SEP-90	15:56:29		rep 1	Ag328	em	-1638.9	conc 50.0000	window edge	
10-SEP-90	15:56:32		rep 1	Sb206	em	21543.4	conc 100.000		
10-SEP-90	15:56:40		rep 1	Zn213	em	577.2	conc 50.0000	window edge	
10-SEP-90	15:56:43		rep 1	Al396	em	16805.9	conc 100.000		
10-SEP-90	15:56:50		rep 1	Pb220	em	1502.5	conc 100.000	window edge	
10-SEP-90	15:56:54		rep 1	Ba455	em	-805.2	conc 50.0000	window edge	
10-SEP-90	15:57:02		rep 1	Cd226	em	8882.4	conc 50.0000	window edge	
10-SEP-90	15:57:06		rep 1	Na589	em	2796.3	conc 1000.00		
10-SEP-90	15:57:09		rep 1	Co238	em	-1769.8	conc 50.0000	window edge	
10-SEP-90	15:57:15		rep 1	Ni231	em	5005.7	conc 50.0000	window edge	
10-SEP-90	15:57:22		rep 1	Mn257	em	20702.1	conc 50.0000		
10-SEP-90	15:57:26		rep 1	K766	em	-2289.1	conc 1000.00	window edge	
10-SEP-90	15:57:29		rep 1	Fe259	em	75024.9	conc 100.000		
10-SEP-90	15:57:40		rep 1	Cr267	em	17554.1	conc 50.0000	window edge	
10-SEP-90	15:57:50		rep 1	Mg279	em	6492.0	conc 1000.00		
10-SEP-90	15:57:58		rep 1	V292	em	6731.8	conc 50.0000		
10-SEP-90	15:58:05		rep 1	Be313.1	em	98325.1	conc 50.0000		
10-SEP-90	15:58:16		rep 1	Cu324	em	34070.0	conc 50.0000		
10-SEP-90	15:58:32		rep 2	Ca317	em	7221.0	conc 1000.00		
10-SEP-90	15:58:37		rep 2	Sb206	em	24044.0	conc 100.000		
10-SEP-90	15:58:45		rep 2	Ag328	em	4059.1	conc 50.0000		
10-SEP-90	15:58:48		rep 2	Zn213	em	12640.6	conc 50.0000		
10-SEP-90	15:58:57		rep 2	Al396	em	14550.1	conc 100.000		
10-SEP-90	15:59:00		rep 2	Pb220	em	18027.5	conc 100.000		
10-SEP-90	15:59:05		rep 2	Ba455	em	1301.7	conc 50.0000		
10-SEP-90	15:59:11		rep 2	Cd226	em	17312.8	conc 50.0000		
10-SEP-90	15:59:17		rep 2	Na589	em	1997.3	conc 1000.00		
10-SEP-90	15:59:21		rep 2	Co238	em	4453.5	conc 50.0000		
10-SEP-90	15:59:27		rep 2	Ni231	em	8887.7	conc 50.0000		
10-SEP-90	15:59:34		rep 2	Mn257	em	19755.0	conc 50.0000		
10-SEP-90	15:59:38		rep 2	K766	em	21598.8	conc 1000.00		
10-SEP-90	15:59:42		rep 2	Fe259	em	68420.8	conc 100.000		
10-SEP-90	15:59:53		rep 2	Cr267	em	23320.7	conc 50.0000		
10-SEP-90	16:00:03		rep 2	Mg279	em	5855.9	conc 1000.00		
10-SEP-90	16:00:10		rep 2	V292	em	6632.0	conc 50.0000		
10-SEP-90	16:00:18		rep 2	Be313.1	em	103763.0	conc 50.0000		
10-SEP-90	16:00:29		rep 2	Cu324	em	30304.7	conc 50.0000		
10-SEP-90	16:01:55	blank	rep 1	Ca317	em	1.1			
10-SEP-90	16:02:01		rep 1	Sb206	em	49.3			
10-SEP-90	16:02:06		rep 1	Ag328	em	25.4			
10-SEP-90	16:02:09		rep 1	Zn213	em	50.4			
10-SEP-90	16:02:17		rep 1	Al396	em	1.9			
10-SEP-90	16:02:20		rep 1	Pb220	em	252.7			
10-SEP-90	16:02:24		rep 1	Ba455	em	1.7			
10-SEP-90	16:02:29		rep 1	Cd226	em	51.5			
10-SEP-90	16:02:35		rep 1	Na589	em	682.0			
10-SEP-90	16:02:38		rep 1	Co238	em	44.7			
10-SEP-90	16:02:43		rep 1	Ni231	em	104.6			
10-SEP-90	16:02:49		rep 1	Mn257	em	42.7			
10-SEP-90	16:02:53		rep 1	K766	em	261.8			
10-SEP-90	16:02:56		rep 1	Fe259	em	3.5			
10-SEP-90	16:03:06		rep 1	Cr267	em	95.2		window edge	
10-SEP-90	16:03:14		rep 1	Mg279	em	-10.4			
10-SEP-90	16:03:21		rep 1	V292	em	51.5			
10-SEP-90	16:03:27		rep 1	Be313.1	em	84.7			
10-SEP-90	16:03:36		rep 1	Cu324	em	76.7			
10-SEP-90	16:03:51		rep 2	Ca317	em	0.6			
10-SEP-90	16:03:56		rep 2	Sb206	em	26.7			
10-SEP-90	16:04:02		rep 2	Ag328	em	22.2			
10-SEP-90	16:04:06		rep 2	Zn213	em	-17.2		window edge	
10-SEP-90	16:04:12		rep 2	Al396	em	7.7			
10-SEP-90	16:04:16		rep 2	Pb220	em	378.9			
10-SEP-90	16:04:20		rep 2	Ba455	em	2.7			
10-SEP-90	16:04:25		rep 2	Cd226	em	118.7			

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.10SEP901551
Method: EPA\INCLP

ICP2--2DS 3
10-SEP-90 15:51

10-SEP-90 16:04:31	rep 2	Na589	em	655.0		
10-SEP-90 16:04:34	rep 2	Co238	em	60.3		
10-SEP-90 16:04:40	rep 2	Ni231	em	116.9		
10-SEP-90 16:04:46	rep 2	Mn257	em	3.4		
10-SEP-90 16:04:50	rep 2	K766	em	196.5	window edge	
10-SEP-90 16:04:54	rep 2	Fe259	em	12.7		
10-SEP-90 16:05:04	rep 2	Cr267	em	68.4		
10-SEP-90 16:05:12	rep 2	Mg279	em	-6.2		
10-SEP-90 16:05:19	rep 2	V292	em	42.3		
10-SEP-90 16:05:25	rep 2	Be313.1	em	174.2		
10-SEP-90 16:05:34	rep 2	Cu324	em	102.2		
10-SEP-90 16:06:58	# 1 standard	rep 1	Ca317	em	7.4 conc 1000.00	
10-SEP-90 16:07:04	rep 1	Sb206	em	45.6 conc 100.000		
10-SEP-90 16:07:10	rep 1	Zn213	em	625.1 conc 50.0000		
10-SEP-90 16:07:13	rep 1	Ag328	em	401.5 conc 50.0000		
10-SEP-90 16:07:19	rep 1	Pb220	em	680.6 conc 100.000		
10-SEP-90 16:07:24	rep 1	Al396	em	13.9 conc 100.000		
10-SEP-90 16:07:29	rep 1	Cd226	em	1110.5 conc 50.0000		
10-SEP-90 16:07:32	rep 1	Ba455	em	60.9 conc 50.0000		
10-SEP-90 16:07:35	rep 1	Co238	em	174.2 conc 50.0000		
10-SEP-90 16:07:40	rep 1	Ni231	em	436.3 conc 50.0000		
10-SEP-90 16:07:44	rep 1	Na589	em	230.0 conc 1000.00		
10-SEP-90 16:07:47	rep 1	Mn257	em	896.3 conc 50.0000		
10-SEP-90 16:07:52	rep 1	Fe259	em	104.0 conc 100.000		
10-SEP-90 16:08:00	rep 1	K766	em	178.9 conc 1000.00		
10-SEP-90 16:08:03	rep 1	Cr267	em	965.0 conc 50.0000		
10-SEP-90 16:08:11	rep 1	Mg279	em	24.7 conc 1000.00		
10-SEP-90 16:08:18	rep 1	V292	em	316.1 conc 50.0000		
10-SEP-90 16:08:24	rep 1	Be313.1	em	6900.0 conc 50.0000		
10-SEP-90 16:08:34	rep 1	Cu324	em	1477.9 conc 50.0000		
10-SEP-90 16:08:49	rep 2	Ca317	em	10.1 conc 1000.00		
10-SEP-90 16:08:55	rep 2	Sb206	em	65.4 conc 100.000		
10-SEP-90 16:09:00	rep 2	Ag328	em	395.9 conc 50.0000		
10-SEP-90 16:09:03	rep 2	Zn213	em	615.1 conc 50.0000		
10-SEP-90 16:09:10	rep 2	Al396	em	24.0 conc 100.000		
10-SEP-90 16:09:14	rep 2	Pb220	em	437.0 conc 100.000		
10-SEP-90 16:09:18	rep 2	Ba455	em	60.7 conc 50.0000		
10-SEP-90 16:09:23	rep 2	Cd226	em	1273.3 conc 50.0000		
10-SEP-90 16:09:28	rep 2	Na589	em	198.9 conc 1000.00		
10-SEP-90 16:09:31	rep 2	Co238	em	212.9 conc 50.0000		
10-SEP-90 16:09:37	rep 2	Ni231	em	374.5 conc 50.0000		
10-SEP-90 16:09:42	rep 2	Mn257	em	901.4 conc 50.0000		
10-SEP-90 16:09:47	rep 2	K766	em	95.8 conc 1000.00		
10-SEP-90 16:09:50	rep 2	Fe259	em	101.6 conc 100.000		
10-SEP-90 16:10:00	rep 2	Cr267	em	930.9 conc 50.0000		
10-SEP-90 16:10:09	rep 2	Mg279	em	46.9 conc 1000.00		
10-SEP-90 16:10:15	rep 2	V292	em	471.8 conc 50.0000		
10-SEP-90 16:10:21	rep 2	Be313.1	em	6724.1 conc 50.0000		
10-SEP-90 16:10:31	rep 2	Cu324	em	1749.1 conc 50.0000		
10-SEP-90 16:12:02	# 2 standard	rep 1	Ag328	em	801.9 conc 100.000	
10-SEP-90 16:12:06	rep 1	Sb206	em	134.8 conc 100.000		
10-SEP-90 16:12:11	rep 1	Zn213	em	1201.3 conc 100.000		
10-SEP-90 16:12:14	rep 1	Al396	em	35.9 conc 100.000		
10-SEP-90 16:12:21	rep 1	Pb220	em	900.1 conc 100.000		
10-SEP-90 16:12:24	rep 1	Ba455	em	113.9 conc 100.000		
10-SEP-90 16:12:30	rep 1	Cd226	em	2437.4 conc 100.000		
10-SEP-90 16:12:35	rep 1	Co238	em	426.5 conc 100.000		
10-SEP-90 16:12:40	rep 1	Ni231	em	880.2 conc 100.000		
10-SEP-90 16:12:46	rep 1	Mn257	em	1765.7 conc 100.000		
10-SEP-90 16:12:51	rep 1	Fe259	em	190.1 conc 100.000		
10-SEP-90 16:13:00	rep 1	Cr267	em	1685.4 conc 100.000		
10-SEP-90 16:13:06	rep 1	V292	em	616.8 conc 100.000		
10-SEP-90 16:13:12	rep 1	Be313.1	em	13005.6 conc 100.000		
10-SEP-90 16:13:21	rep 1	Cu324	em	2431.0 conc 100.000		
10-SEP-90 16:13:36	rep 2	Ag328	em	856.8 conc 100.000		
10-SEP-90 16:13:42	rep 2	Sb206	em	104.5 conc 100.000		
10-SEP-90 16:13:47	rep 2	Al396	em	32.1 conc 100.000		
10-SEP-90 16:13:50	rep 2	Zn213	em	1082.3 conc 100.000		
10-SEP-90 16:13:54	rep 2	Ba455	em	114.7 conc 100.000		
10-SEP-90 16:13:59	rep 2	Pb220	em	782.2 conc 100.000		
10-SEP-90 16:14:09	rep 2	Cd226	em	2284.7 conc 100.000		
10-SEP-90 16:14:13	rep 2	Co238	em	406.0 conc 100.000		
10-SEP-90 16:14:18	rep 2	Ni231	em	563.2 conc 100.000		
10-SEP-90 16:14:24	rep 2	Mn257	em	1810.7 conc 100.000		
10-SEP-90 16:14:29	rep 2	Fe259	em	191.9 conc 100.000		
10-SEP-90 16:14:39	rep 2	Cr267	em	1671.7 conc 100.000		
10-SEP-90 16:14:44	rep 2	V292	em	562.0 conc 100.000		
10-SEP-90 16:14:50	rep 2	Be313.1	em	13121.4 conc 100.000		
10-SEP-90 16:14:59	rep 2	Cu324	em	2789.0 conc 100.000		
10-SEP-90 16:16:26	# 3 standard	rep 1	Ag328	em	1610.0 conc 200.000	
10-SEP-90 16:16:31	rep 1	Sb206	em	144.2 conc 200.000		
10-SEP-90 16:16:36	rep 1	Al396	em	70.7 conc 200.000		
10-SEP-90 16:16:39	rep 1	Zn213	em	2323.7 conc 200.000		
10-SEP-90 16:16:43	rep 1	Ba455	em	232.8 conc 200.000		
10-SEP-90 16:16:48	rep 1	Pb220	em	1301.8 conc 200.000		
10-SEP-90 16:16:57	rep 1	Cd226	em	4779.0 conc 200.000		

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS

10-SEP-90 15:51

10-SEP-90 16:17:02	rep 1	Co238	em	949.2	conc	200.000
10-SEP-90 16:17:07	rep 1	Ni231	em	1429.8	conc	200.000
10-SEP-90 16:17:13	rep 1	Mn257	em	3554.5	conc	200.000
10-SEP-90 16:17:18	rep 1	Fe259	em	390.8	conc	200.000
10-SEP-90 16:17:28	rep 1	Cr267	em	3464.0	conc	200.000
10-SEP-90 16:17:33	rep 1	V292	em	1230.3	conc	200.000
10-SEP-90 16:17:39	rep 1	Be313.1	em	26362.3	conc	200.000
10-SEP-90 16:17:48	rep 1	Cu324	em	5012.0	conc	200.000
10-SEP-90 16:18:03	rep 2	Ag328	em	1712.5	conc	200.000
10-SEP-90 16:18:08	rep 2	Sb206	em	112.4	conc	200.000
10-SEP-90 16:18:13	rep 2	Al396	em	61.7	conc	200.000
10-SEP-90 16:18:17	rep 2	Zn213	em	2381.6	conc	200.000
10-SEP-90 16:18:21	rep 2	Ba455	em	230.4	conc	200.000
10-SEP-90 16:18:26	rep 2	Pb220	em	1217.4	conc	200.000
10-SEP-90 16:18:35	rep 2	Cd226	em	4737.4	conc	200.000
10-SEP-90 16:18:40	rep 2	Co238	em	923.7	conc	200.000
10-SEP-90 16:18:45	rep 2	Ni231	em	1555.7	conc	200.000
10-SEP-90 16:18:51	rep 2	Mn257	em	3559.4	conc	200.000
10-SEP-90 16:18:56	rep 2	Fe259	em	415.2	conc	200.000
10-SEP-90 16:19:05	rep 2	Cr267	em	3443.7	conc	200.000
10-SEP-90 16:19:11	rep 2	V292	em	1237.9	conc	200.000
10-SEP-90 16:19:17	rep 2	Be313.1	em	26190.5	conc	200.000
10-SEP-90 16:19:26	rep 2	Cu324	em	5028.4	conc	200.000
10-SEP-90 16:20:49	rep 1	Ca317	em	152.2	conc	1000.00
10-SEP-90 16:20:59	rep 1	Sb206	em	626.4	conc	1000.00
10-SEP-90 16:21:03	rep 1	Al396	em	334.4	conc	1000.00
10-SEP-90 16:21:06	rep 1	Zn213	em	11055.3	conc	1000.00
10-SEP-90 16:21:10	rep 1	Ba455	em	1128.9	conc	1000.00
10-SEP-90 16:21:15	rep 1	Pb220	em	5613.0	conc	1000.00
10-SEP-90 16:21:20	rep 1	Na589	em	191.6	conc	1000.00
10-SEP-90 16:21:23	rep 1	Co238	em	4510.5	conc	1000.00
10-SEP-90 16:21:28	rep 1	Ni231	em	7439.2	conc	1000.00
10-SEP-90 16:21:34	rep 1	Mn257	em	17581.2	conc	1000.00
10-SEP-90 16:21:38	rep 1	K766	em	123.5	conc	1000.00
10-SEP-90 16:21:41	rep 1	Fe259	em	1865.4	conc	1000.00
10-SEP-90 16:21:51	rep 1	Cr267	em	16940.3	conc	1000.00
10-SEP-90 16:22:00	rep 1	Mg279	em	160.2	conc	1000.00
10-SEP-90 16:22:07	rep 1	V292	em	6037.2	conc	1000.00
10-SEP-90 16:22:16	rep 1	Cu324	em	24735.2	conc	1000.00
10-SEP-90 16:22:31	rep 2	Ca317	em	153.3	conc	1000.00
10-SEP-90 16:22:37	rep 2	Sb206	em	651.2	conc	1000.00
10-SEP-90 16:22:42	rep 2	Al396	em	332.4	conc	1000.00
10-SEP-90 16:22:45	rep 2	Zn213	em	11456.8	conc	1000.00
10-SEP-90 16:22:49	rep 2	Ba455	em	1178.3	conc	1000.00
10-SEP-90 16:22:55	rep 2	Pb220	em	5533.9	conc	1000.00
10-SEP-90 16:22:59	rep 2	Na589	em	179.4	conc	1000.00
10-SEP-90 16:23:03	rep 2	Co238	em	4428.1	conc	1000.00
10-SEP-90 16:23:08	rep 2	Ni231	em	7277.9	conc	1000.00
10-SEP-90 16:23:14	rep 2	Mn257	em	17434.5	conc	1000.00
10-SEP-90 16:23:18	rep 2	K766	em	191.6	conc	1000.00
10-SEP-90 16:23:21	rep 2	Fe259	em	1834.0	conc	1000.00
10-SEP-90 16:23:31	rep 2	Cr267	em	16908.8	conc	1000.00
10-SEP-90 16:23:40	rep 2	Mg279	em	150.4	conc	1000.00
10-SEP-90 16:23:46	rep 2	V292	em	5991.0	conc	1000.00
10-SEP-90 16:23:55	rep 2	Cu324	em	24259.5	conc	1000.00
10-SEP-90 16:25:23	rep 1	Ca317	em	848.2	conc	5000.00
10-SEP-90 16:25:29	rep 1	Sb206	em	3555.3	conc	5000.00
10-SEP-90 16:25:35	rep 1	Al396	em	1736.1	conc	5000.00
10-SEP-90 16:25:38	rep 1	Zn213	em	60660.8	conc	5000.00
10-SEP-90 16:25:41	rep 1	Ba455	em	6058.4	conc	5000.00
10-SEP-90 16:25:47	rep 1	Pb220	em	28053.9	conc	5000.00
10-SEP-90 16:25:52	rep 1	Na589	em	433.8	conc	5000.00
10-SEP-90 16:25:55	rep 1	Ni231	em	39526.9	conc	5000.00
10-SEP-90 16:26:00	rep 1	Fe259	em	9528.2	conc	5000.00
10-SEP-90 16:26:07	rep 1	K766	em	788.9	conc	5000.00
10-SEP-90 16:26:10	rep 1	Mg279	em	717.5	conc	5000.00
10-SEP-90 16:26:16	rep 1	V292	em	29526.5	conc	5000.00
10-SEP-90 16:26:16	rep 2	Ca317	em	742.3	conc	5000.00
10-SEP-90 16:26:31	rep 2	Sb206	em	3159.4	conc	5000.00
10-SEP-90 16:26:36	rep 2	Zn213	em	56348.2	conc	5000.00
10-SEP-90 16:26:41	rep 2	Al396	em	1576.0	conc	5000.00
10-SEP-90 16:26:45	rep 2	Pb220	em	26802.8	conc	5000.00
10-SEP-90 16:26:51	rep 2	Ba455	em	5598.5	conc	5000.00
10-SEP-90 16:26:55	rep 2	Ni231	em	36543.5	conc	5000.00
10-SEP-90 16:26:58	rep 2	Na589	em	420.3	conc	5000.00
10-SEP-90 16:27:05	rep 2	Fe259	em	9279.0	conc	5000.00
10-SEP-90 16:27:09	rep 2	Mg279	em	665.1	conc	5000.00
10-SEP-90 16:27:18	rep 2	K766	em	699.8	conc	5000.00
10-SEP-90 16:27:22	rep 2	V292	em	28519.4	conc	5000.00
10-SEP-90 16:27:26	rep 1	Mg279	em	1316.6	conc	10000.0
10-SEP-90 16:28:52	rep 1	Ca317	em	1448.5	conc	10000.0
10-SEP-90 16:28:56	rep 1	Al396	em	3093.2	conc	10000.0
10-SEP-90 16:29:07	rep 1	Na589	em	741.5	conc	10000.0
10-SEP-90 16:29:19	rep 1	K766	em	1382.9	conc	10000.0
10-SEP-90 16:29:36	rep 2	Mg279	em	1335.4	conc	10000.0
10-SEP-90 16:29:45	rep 2	Ca317	em	1457.4	conc	10000.0
10-SEP-90 16:29:50	rep 2					

4 standard

5 standard

6 standard

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 5

10-SEP-90 15:51

10-SEP-90 16:30:01	rep 2	Al396	em	3150.4	conc	10000.0	
10-SEP-90 16:30:12	rep 2	Na589	em	725.9	conc	10000.0	
10-SEP-90 16:30:28	rep 2	K766	em	1394.4	conc	10000.0	
10-SEP-90 16:31:54	rep 1	Mg279	em	6782.4	conc	50000.0	# 7 standard
10-SEP-90 16:31:59	rep 1	Ca317	em	7223.9	conc	50000.0	
10-SEP-90 16:32:10	rep 1	Al396	em	14503.8	conc	50000.0	
10-SEP-90 16:32:21	rep 1	Na589	em	3298.1	conc	50000.0	
10-SEP-90 16:32:38	rep 1	K766	em	3448.8	conc	50000.0	
10-SEP-90 16:32:49	rep 2	Mg279	em	6807.7	conc	50000.0	
10-SEP-90 16:32:53	rep 2	Ca317	em	7071.3	conc	50000.0	
10-SEP-90 16:33:04	rep 2	Al396	em	14404.4	conc	50000.0	
10-SEP-90 16:33:15	rep 2	Na589	em	3372.7	conc	50000.0	
10-SEP-90 16:33:31	rep 2	K766	em	3334.1	conc	50000.0	
10-SEP-90 16:35:03	rep 1	Ca317	em	67334.4	conc	500000.0	# 8 standard
10-SEP-90 16:35:16	rep 1	Na589	em	31315.5	conc	500000.0	
10-SEP-90 16:35:33	rep 1	K766	em	13309.0	conc	100000.0	
10-SEP-90 16:35:48	rep 2	Ca317	em	66232.2	conc	500000.0	
10-SEP-90 16:36:00	rep 2	Na589	em	30716.9	conc	500000.0	
10-SEP-90 16:36:16	rep 2	K766	em	13073.3	conc	100000.0	
10-SEP-90 16:37:48	rep 1	Ca317	conc	137	ug/l		ICVA(AB)
10-SEP-90 16:37:53	rep 1	Sb206	conc	1699.67	ug/l		
10-SEP-90 16:37:58	rep 1	Zn213	conc	483.27	ug/l		
10-SEP-90 16:38:02	rep 1	Ag328	conc	450.374	ug/l		
10-SEP-90 16:38:08	rep 1	Pb220	conc	1001.43	ug/l		
10-SEP-90 16:38:12	rep 1	Al396	conc	818.3	ug/l		
10-SEP-90 16:38:17	rep 1	Cd226	conc	481.748	ug/l		
10-SEP-90 16:38:20	rep 1	Ba455	conc	463.10	ug/l		
10-SEP-90 16:38:23	rep 1	Co238	conc	458.45	ug/l		
10-SEP-90 16:38:29	rep 1	Ni231	conc	488.26	ug/l		
10-SEP-90 16:38:33	rep 1	Na589	conc	-1696	ug/l		
10-SEP-90 16:38:36	rep 1	Mn257	conc	467.29	ug/l		
10-SEP-90 16:38:42	rep 1	Fe259	conc	525.89	ug/l		
10-SEP-90 16:38:49	rep 1	K766	conc	2807	ug/l		
10-SEP-90 16:38:52	rep 1	Cr267	conc	478.24	ug/l		
10-SEP-90 16:39:00	rep 1	Mg279	conc	828.0	ug/l		
10-SEP-90 16:39:07	rep 1	V292	conc	500.19	ug/l		
10-SEP-90 16:39:13	rep 1	Be313.1	conc	476.565	ug/l		
10-SEP-90 16:39:22	rep 1	Cu324	conc	491.61	ug/l		
10-SEP-90 16:39:36	rep 2	Ca317	conc	75	ug/l		
10-SEP-90 16:39:42	rep 2	Sb206	conc	1794.93	ug/l		
10-SEP-90 16:39:48	rep 2	Ag328	conc	448.647	ug/l		
10-SEP-90 16:39:51	rep 2	Zn213	conc	481.66	ug/l		
10-SEP-90 16:39:59	rep 2	Al396	conc	790.7	ug/l		
10-SEP-90 16:40:03	rep 2	Pb220	conc	958.41	ug/l		
10-SEP-90 16:40:06	rep 2	Ba455	conc	463.35	ug/l		
10-SEP-90 16:40:12	rep 2	Cd226	conc	474.896	ug/l		
10-SEP-90 16:40:17	rep 2	Na589	conc	-1737	ug/l		
10-SEP-90 16:40:20	rep 2	Co238	conc	454.87	ug/l		
10-SEP-90 16:40:25	rep 2	Ni231	conc	505.42	ug/l		
10-SEP-90 16:40:31	rep 2	Mn257	conc	458.08	ug/l		
10-SEP-90 16:40:35	rep 2	K766	conc	2883	ug/l		
10-SEP-90 16:40:39	rep 2	Fe259	conc	528.12	ug/l		
10-SEP-90 16:40:48	rep 2	Cr267	conc	480.69	ug/l		
10-SEP-90 16:40:57	rep 2	Mg279	conc	946.8	ug/l		
10-SEP-90 16:41:03	rep 2	V292	conc	489.31	ug/l		
10-SEP-90 16:41:09	rep 2	Be313.1	conc	467.909	ug/l		
10-SEP-90 16:41:18	rep 2	Cu324	conc	476.58	ug/l		
10-SEP-90 16:42:48	rep 1	Fe259	conc	49392.98	ug/l		ICVB(AB)
10-SEP-90 16:42:54	rep 1	Ca317	conc	53898	ug/l		
10-SEP-90 16:42:57	rep 1	Mg279	conc	48243.7	ug/l		
10-SEP-90 16:43:05	rep 1	Al396	conc	51068.6	ug/l		
10-SEP-90 16:43:16	rep 1	Na589	conc	48704	ug/l		
10-SEP-90 16:43:33	rep 1	K766	conc	56078	ug/l		
10-SEP-90 16:43:39	rep 2	Fe259	conc	49353.36	ug/l		
10-SEP-90 16:43:47	rep 2	Ca317	conc	52283	ug/l		
10-SEP-90 16:43:50	rep 2	Mg279	conc	48495.2	ug/l		
10-SEP-90 16:43:57	rep 2	Al396	conc	50882.3	ug/l		
10-SEP-90 16:44:08	rep 2	Na589	conc	48583	ug/l		
10-SEP-90 16:44:24	rep 2	K766	conc	56352	ug/l		
10-SEP-90 16:46:03	rep 1	Ca317	conc	-1067	ug/l		ICB
10-SEP-90 16:46:08	rep 1	Sb206	conc	42.52	ug/l		
10-SEP-90 16:46:13	rep 1	Zn213	conc	10.96	ug/l		
10-SEP-90 16:46:16	rep 1	Ag328	conc	5.675	ug/l		
10-SEP-90 16:46:22	rep 1	Pb220	conc	-46.84	ug/l		
10-SEP-90 16:46:27	rep 1	Al396	conc	-246.5	ug/l		
10-SEP-90 16:46:32	rep 1	Cd226	conc	0.965	ug/l		
10-SEP-90 16:46:35	rep 1	Ba455	conc	1.71	ug/l		window edge
10-SEP-90 16:46:38	rep 1	Co238	conc	15.93	ug/l		
10-SEP-90 16:46:43	rep 1	Ni231	conc	9.90	ug/l		
10-SEP-90 16:46:47	rep 1	Na589	conc	-3072	ug/l		
10-SEP-90 16:46:50	rep 1	Mn257	conc	-2.28	ug/l		window edge
10-SEP-90 16:46:55	rep 1	Fe259	conc	24.03	ug/l		
10-SEP-90 16:47:03	rep 1	K766	conc	1590	ug/l		
10-SEP-90 16:47:06	rep 1	Cr267	conc	2.95	ug/l		window edge
10-SEP-90 16:47:14	rep 1	Mg279	conc	253.1	ug/l		
10-SEP-90 16:47:21	rep 1	V292	conc	-0.61	ug/l		

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 6

10-SEP-90 15:51

10-SEP-90 16:47:27	rep 1	Be313.1	conc	-1.495	ug/l	window edge
10-SEP-90 16:47:36	rep 1	Cu324	conc	11.98	ug/l	
10-SEP-90 16:47:50	rep 2	Ca317	conc	-1050	ug/l	
10-SEP-90 16:47:56	rep 2	Sb206	conc	76.81	ug/l	
10-SEP-90 16:48:01	rep 2	Ag328	conc	-0.483	ug/l	
10-SEP-90 16:48:05	rep 2	Zn213	conc	12.13	ug/l	
10-SEP-90 16:48:12	rep 2	Al396	conc	-266.2	ug/l	window edge
10-SEP-90 16:48:15	rep 2	Pb220	conc	-9.74	ug/l	
10-SEP-90 16:48:19	rep 2	Ba455	conc	2.31	ug/l	
10-SEP-90 16:48:25	rep 2	Cd226	conc	2.067	ug/l	
10-SEP-90 16:48:30	rep 2	Na589	conc	-3088	ug/l	
10-SEP-90 16:48:33	rep 2	Co238	conc	3.15	ug/l	
10-SEP-90 16:48:38	rep 2	Ni231	conc	16.42	ug/l	
10-SEP-90 16:48:45	rep 2	K766	conc	1890	ug/l	
10-SEP-90 16:48:49	rep 2	Mn257	conc	0.07	ug/l	
10-SEP-90 16:48:54	rep 2	Fe259	conc	21.30	ug/l	
10-SEP-90 16:49:03	rep 2	Cr267	conc	2.55	ug/l	
10-SEP-90 16:49:13	rep 2	Mg279	conc	-39.2	ug/l	
10-SEP-90 16:49:19	rep 2	V292	conc	-34.30	ug/l	window edge
10-SEP-90 16:49:25	rep 2	Be313.1	conc	-0.557	ug/l	
10-SEP-90 16:49:34	rep 2	Cu324	conc	4.47	ug/l	
10-SEP-90 16:51:10	rep 1	Ca317	conc	495958	ug/l	
10-SEP-90 16:51:15	rep 1	Sb206	conc	53.32	ug/l	
10-SEP-90 16:51:21	rep 1	Zn213	conc	28.13	ug/l	
10-SEP-90 16:51:25	rep 1	Ag328	conc	-4.062	ug/l	window edge
10-SEP-90 16:51:31	rep 1	Pb220	conc	-98.53	ug/l	
10-SEP-90 16:51:35	rep 1	Al396	conc	476927.7	ug/l	
10-SEP-90 16:51:41	rep 1	Cd226	conc	16.450	ug/l	
10-SEP-90 16:51:44	rep 1	Ba455	conc	4.23	ug/l	
10-SEP-90 16:51:47	rep 1	Co238	conc	17.86	ug/l	
10-SEP-90 16:51:52	rep 1	Ni231	conc	1.18	ug/l	window edge
10-SEP-90 16:51:56	rep 1	Na589	conc	-2906	ug/l	
10-SEP-90 16:51:59	rep 1	Mn257	conc	17.28	ug/l	
10-SEP-90 16:52:04	rep 1	Fe259	conc	179637.19	ug/l	
10-SEP-90 16:52:12	rep 1	K766	conc	2043	ug/l	
10-SEP-90 16:52:15	rep 1	Cr267	conc	37.73	ug/l	
10-SEP-90 16:52:24	rep 1	Mg279	conc	461338.8	ug/l	
10-SEP-90 16:52:30	rep 1	V292	conc	-7.27	ug/l	
10-SEP-90 16:52:36	rep 1	Be313.1	conc	-0.574	ug/l	
10-SEP-90 16:52:45	rep 1	Cu324	conc	13.58	ug/l	
10-SEP-90 16:53:00	rep 2	Ca317	conc	514310	ug/l	
10-SEP-90 16:53:06	rep 2	Sb206	conc	-11.59	ug/l	
10-SEP-90 16:53:11	rep 2	Ag328	conc	2.196	ug/l	
10-SEP-90 16:53:15	rep 2	Zn213	conc	34.74	ug/l	
10-SEP-90 16:53:23	rep 2	Al396	conc	486400.6	ug/l	
10-SEP-90 16:53:26	rep 2	Pb220	conc	-156.30	ug/l	window edge
10-SEP-90 16:53:30	rep 2	Ba455	conc	3.37	ug/l	
10-SEP-90 16:53:35	rep 2	Cd226	conc	22.716	ug/l	
10-SEP-90 16:53:40	rep 2	Na589	conc	-2951	ug/l	
10-SEP-90 16:53:43	rep 2	Co238	conc	4.22	ug/l	
10-SEP-90 16:53:49	rep 2	Ni231	conc	25.96	ug/l	
10-SEP-90 16:53:54	rep 2	Mn257	conc	16.39	ug/l	
10-SEP-90 16:53:59	rep 2	K766	conc	2311	ug/l	
10-SEP-90 16:54:02	rep 2	Fe259	conc	186472.50	ug/l	
10-SEP-90 16:54:12	rep 2	Cr267	conc	42.69	ug/l	
10-SEP-90 16:54:20	rep 2	Mg279	conc	456476.2	ug/l	
10-SEP-90 16:54:27	rep 2	V292	conc	13.76	ug/l	
10-SEP-90 16:54:33	rep 2	Be313.1	conc	-0.699	ug/l	
10-SEP-90 16:54:42	rep 2	Cu324	conc	17.99	ug/l	
10-SEP-90 16:56:20	rep 1	Ca317	conc	494230	ug/l	
10-SEP-90 16:56:25	rep 1	Sb206	conc	970.85	ug/l	
10-SEP-90 16:56:31	rep 1	Zn213	conc	932.93	ug/l	
10-SEP-90 16:56:34	rep 1	Ag328	conc	893.724	ug/l	
10-SEP-90 16:56:40	rep 1	Pb220	conc	791.90	ug/l	
10-SEP-90 16:56:44	rep 1	Al396	conc	486856.8	ug/l	
10-SEP-90 16:56:49	rep 1	Cd226	conc	847.888	ug/l	
10-SEP-90 16:56:53	rep 1	Ba455	conc	461.21	ug/l	
10-SEP-90 16:56:56	rep 1	Co238	conc	413.33	ug/l	
10-SEP-90 16:57:01	rep 1	Ni231	conc	829.60	ug/l	
10-SEP-90 16:57:05	rep 1	Na589	conc	-2997	ug/l	
10-SEP-90 16:57:08	rep 1	Mn257	conc	457.51	ug/l	
10-SEP-90 16:57:13	rep 1	Fe259	conc	193992.39	ug/l	
10-SEP-90 16:57:21	rep 1	K766	conc	2624	ug/l	
10-SEP-90 16:57:24	rep 1	Cr267	conc	488.68	ug/l	
10-SEP-90 16:57:32	rep 1	Mg279	conc	480393.3	ug/l	
10-SEP-90 16:57:39	rep 1	V292	conc	459.93	ug/l	
10-SEP-90 16:57:44	rep 1	Be313.1	conc	442.790	ug/l	
10-SEP-90 16:57:54	rep 1	Cu324	conc	438.20	ug/l	
10-SEP-90 16:58:08	rep 2	Ca317	conc	504012	ug/l	
10-SEP-90 16:58:14	rep 2	Sb206	conc	861.04	ug/l	
10-SEP-90 16:58:19	rep 2	Ag328	conc	921.694	ug/l	
10-SEP-90 16:58:23	rep 2	Zn213	conc	928.58	ug/l	
10-SEP-90 16:58:30	rep 2	Al396	conc	490975.1	ug/l	
10-SEP-90 16:58:33	rep 2	Pb220	conc	888.58	ug/l	
10-SEP-90 16:58:37	rep 2	Ba455	conc	457.17	ug/l	
10-SEP-90 16:58:43	rep 2	Cd226	conc	863.107	ug/l	

ICSA(AC):1

ICSAB(AD)2:1

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 7

10-SEP-90 15:51

10-SEP-90 16:58:48	rep 2	Na589	conc	-3104	ug/l	
10-SEP-90 16:58:51	rep 2	Co238	conc	416.99	ug/l	
10-SEP-90 16:58:56	rep 2	Ni231	conc	856.81	ug/l	
10-SEP-90 16:59:02	rep 2	Mn257	conc	457.52	ug/l	
10-SEP-90 16:59:06	rep 2	K766	conc	2647	ug/l	
10-SEP-90 16:59:10	rep 2	Fe259	conc	186064.52	ug/l	
10-SEP-90 16:59:19	rep 2	Cr267	conc	488.57	ug/l	
10-SEP-90 16:59:28	rep 2	Mg279	conc	473187.2	ug/l	
10-SEP-90 16:59:34	rep 2	V292	conc	444.81	ug/l	
10-SEP-90 16:59:41	rep 2	Be313.1	conc	443.869	ug/l	
10-SEP-90 16:59:50	rep 2	Cu324	conc	448.05	ug/l	
10-SEP-90 17:01:27	rep 1	Ca317	conc	-955	ug/l	
10-SEP-90 17:01:33	rep 1	Sb206	conc	189.91	ug/l	
10-SEP-90 17:01:39	rep 1	Zn213	conc	52.80	ug/l	
10-SEP-90 17:01:42	rep 1	Ag328	conc	17.928	ug/l	
10-SEP-90 17:01:49	rep 1	Pb220	conc	162.51	ug/l	
10-SEP-90 17:01:53	rep 1	Al396	conc	161.7	ug/l	
10-SEP-90 17:01:58	rep 1	Cd226	conc	10.932	ug/l	
10-SEP-90 17:02:01	rep 1	Ba455	conc	39.04	ug/l	
10-SEP-90 17:02:04	rep 1	Co238	conc	109.25	ug/l	
10-SEP-90 17:02:10	rep 1	Ni231	conc	78.71	ug/l	
10-SEP-90 17:02:14	rep 1	Na589	conc	-3458	ug/l	
10-SEP-90 17:02:17	rep 1	Mn257	conc	27.21	ug/l	
10-SEP-90 17:02:22	rep 1	Fe259	conc	221.67	ug/l	
10-SEP-90 17:02:30	rep 1	K766	conc	2151	ug/l	
10-SEP-90 17:02:33	rep 1	Cr267	conc	12.89	ug/l	
10-SEP-90 17:02:41	rep 1	Mg279	conc	-22.1	ug/l	
10-SEP-90 17:02:48	rep 1	V292	conc	103.88	ug/l	
10-SEP-90 17:02:54	rep 1	Be313.1	conc	8.539	ug/l	
10-SEP-90 17:03:04	rep 1	Cu324	conc	47.99	ug/l	
10-SEP-90 17:03:18	rep 2	Ca317	conc	-994	ug/l	
10-SEP-90 17:03:24	rep 2	Sb206	conc	142.01	ug/l	
10-SEP-90 17:03:29	rep 2	Zn213	conc	47.67	ug/l	
10-SEP-90 17:03:33	rep 2	Ag328	conc	17.253	ug/l	
10-SEP-90 17:03:38	rep 2	Pb220	conc	190.84	ug/l	
10-SEP-90 17:03:43	rep 2	Al396	conc	171.8	ug/l	
10-SEP-90 17:03:48	rep 2	Cd226	conc	8.150	ug/l	
10-SEP-90 17:03:51	rep 2	Ba455	conc	39.81	ug/l	
10-SEP-90 17:03:55	rep 2	Co238	conc	93.57	ug/l	
10-SEP-90 17:04:00	rep 2	Ni231	conc	94.31	ug/l	
10-SEP-90 17:04:04	rep 2	Na589	conc	-3415	ug/l	
10-SEP-90 17:04:08	rep 2	Mn257	conc	27.88	ug/l	
10-SEP-90 17:04:13	rep 2	Fe259	conc	229.62	ug/l	
10-SEP-90 17:04:19	rep 2	K766	conc	1615	ug/l	window edge
10-SEP-90 17:04:22	rep 2	Cr267	conc	16.28	ug/l	
10-SEP-90 17:04:32	rep 2	Mg279	conc	101.3	ug/l	
10-SEP-90 17:04:40	rep 2	V292	conc	77.93	ug/l	
10-SEP-90 17:04:46	rep 2	Be313.1	conc	8.616	ug/l	
10-SEP-90 17:04:55	rep 2	Cu324	conc	50.40	ug/l	
10-SEP-90 17:06:34	rep 1	Ca317	conc	-1055	ug/l	
10-SEP-90 17:06:39	rep 1	Sb206	conc	66.11	ug/l	
10-SEP-90 17:06:45	rep 1	Ag328	conc	-1.812	ug/l	window edge
10-SEP-90 17:06:46	rep 1	Zn213	conc	13.28	ug/l	
10-SEP-90 17:06:55	rep 1	Al396	conc	-250.2	ug/l	
10-SEP-90 17:06:57	rep 1	Pb220	conc	-25.05	ug/l	
10-SEP-90 17:07:02	rep 1	Ba455	conc	3.44	ug/l	
10-SEP-90 17:07:06	rep 1	Cd226	conc	1.647	ug/l	
10-SEP-90 17:07:11	rep 1	Co238	conc	10.77	ug/l	
10-SEP-90 17:07:13	rep 1	Na589	conc	-3429	ug/l	
10-SEP-90 17:07:16	rep 1	Ni231	conc	19.95	ug/l	
10-SEP-90 17:07:22	rep 1	Mn257	conc	-1.03	ug/l	window edge
10-SEP-90 17:07:27	rep 1	Fe259	conc	11.09	ug/l	
10-SEP-90 17:07:29	rep 1	K766	conc	2135	ug/l	
10-SEP-90 17:07:36	rep 1	Cr267	conc	7.06	ug/l	
10-SEP-90 17:07:45	rep 1	Mg279	conc	245.6	ug/l	window edge
10-SEP-90 17:07:52	rep 1	V292	conc	-33.97	ug/l	window edge
10-SEP-90 17:07:57	rep 1	Be313.1	conc	-0.736	ug/l	
10-SEP-90 17:08:07	rep 2	Cu324	conc	12.43	ug/l	
10-SEP-90 17:08:21	rep 2	Ca317	conc	-1069	ug/l	
10-SEP-90 17:08:27	rep 2	Sb206	conc	88.67	ug/l	
10-SEP-90 17:08:32	rep 2	Zn213	conc	12.42	ug/l	
10-SEP-90 17:08:34	rep 2	Ag328	conc	2.393	ug/l	
10-SEP-90 17:08:41	rep 2	Pb220	conc	-79.43	ug/l	window edge
10-SEP-90 17:08:45	rep 2	Al396	conc	-277.0	ug/l	
10-SEP-90 17:08:51	rep 2	Cd226	conc	3.694	ug/l	
10-SEP-90 17:08:53	rep 2	Ba455	conc	2.96	ug/l	
10-SEP-90 17:08:55	rep 2	Co238	conc	-1.05	ug/l	
10-SEP-90 17:09:00	rep 2	Ni231	conc	5.55	ug/l	
10-SEP-90 17:09:03	rep 2	Na589	conc	-3486	ug/l	
10-SEP-90 17:09:06	rep 2	Mn257	conc	-0.15	ug/l	
10-SEP-90 17:09:11	rep 2	Fe259	conc	15.04	ug/l	
10-SEP-90 17:09:19	rep 2	K766	conc	1744	ug/l	window edge
10-SEP-90 17:09:21	rep 2	Cr267	conc	5.85	ug/l	
10-SEP-90 17:09:30	rep 2	Mg279	conc	138.0	ug/l	
10-SEP-90 17:09:37	rep 2	V292	conc	11.75	ug/l	
10-SEP-90 17:09:43	rep 2	Be313.1	conc	-0.135	ug/l	

CRI(AE):1

120380PB

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP901551
Method: EPA\NCLP

ICP2--2DS 8
10-SEP-90 15:51

10-SEP-90 17:09:52		rep 2	Cu324	conc	8.16 ug/L	
10-SEP-90 17:11:32	120084	rep 1	Ca317	conc	17760 ug/L	
10-SEP-90 17:11:38		rep 1	Sb206	conc	53.18 ug/L	
10-SEP-90 17:11:44		rep 1	Ag328	conc	-13.146 ug/L	window edge
10-SEP-90 17:11:46		rep 1	Zn213	conc	52.97 ug/L	
10-SEP-90 17:11:55		rep 1	Pb220	conc	3.33 ug/L	
10-SEP-90 17:11:57		rep 1	Al396	conc	14064.4 ug/L	
10-SEP-90 17:12:04		rep 1	Ba455	conc	37.54 ug/L	
10-SEP-90 17:12:05		rep 1	Cd226	conc	1.183 ug/L	
10-SEP-90 17:12:10		rep 1	Co238	conc	8.24 ug/L	
10-SEP-90 17:12:14		rep 1	Na589	conc	-2939 ug/L	
10-SEP-90 17:12:16		rep 1	Ni231	conc	21.66 ug/L	
10-SEP-90 17:12:21		rep 1	Mn257	conc	346.34 ug/L	
10-SEP-90 17:12:26		rep 1	Fe259	conc	13975.62 ug/L	
10-SEP-90 17:12:30		rep 1	K766	conc	4431 ug/L	
10-SEP-90 17:12:36		rep 1	Cr267	conc	28.04 ug/L	
10-SEP-90 17:12:45		rep 1	Mg279	conc	7489.5 ug/L	
10-SEP-90 17:12:52		rep 1	V292	conc	29.03 ug/L	
10-SEP-90 17:12:58		rep 1	Be313.1	conc	0.167 ug/L	
10-SEP-90 17:13:07		rep 1	Cu324	conc	9.98 ug/L	
10-SEP-90 17:13:21		rep 2	Ca317	conc	17315 ug/L	
10-SEP-90 17:13:27		rep 2	Sb206	conc	0.72 ug/L	window edge
10-SEP-90 17:13:33		rep 2	Ag328	conc	9.490 ug/L	
10-SEP-90 17:13:35		rep 2	Zn213	conc	58.45 ug/L	
10-SEP-90 17:13:43		rep 2	Al396	conc	14061.4 ug/L	
10-SEP-90 17:13:45		rep 2	Pb220	conc	39.38 ug/L	
10-SEP-90 17:13:50		rep 2	Ba455	conc	35.85 ug/L	
10-SEP-90 17:13:55		rep 2	Cd226	conc	-0.149 ug/L	
10-SEP-90 17:13:59		rep 2	Co238	conc	18.35 ug/L	
10-SEP-90 17:14:02		rep 2	Na589	conc	-3111 ug/L	
10-SEP-90 17:14:04		rep 2	Ni231	conc	25.82 ug/L	
10-SEP-90 17:14:10		rep 2	Mn257	conc	363.68 ug/L	
10-SEP-90 17:14:15		rep 2	Fe259	conc	14237.97 ug/L	
10-SEP-90 17:14:18		rep 2	K766	conc	4283 ug/L	
10-SEP-90 17:14:25		rep 2	Cr267	conc	33.86 ug/L	
10-SEP-90 17:14:34		rep 2	Mg279	conc	7497.9 ug/L	
10-SEP-90 17:14:40		rep 2	V292	conc	26.75 ug/L	
10-SEP-90 17:14:46		rep 2	Be313.1	conc	-0.038 ug/L	
10-SEP-90 17:14:55		rep 2	Cu324	conc	18.72 ug/L	
10-SEP-90 17:16:36	120085	rep 1	Ca317	conc	28425 ug/L	
10-SEP-90 17:16:42		rep 1	Sb206	conc	73.71 ug/L	
10-SEP-90 17:16:48		rep 1	Ag328	conc	6.275 ug/L	
10-SEP-90 17:16:50		rep 1	Zn213	conc	59.87 ug/L	
10-SEP-90 17:16:59		rep 1	Pb220	conc	-31.78 ug/L	
10-SEP-90 17:17:00		rep 1	Al396	conc	20863.7 ug/L	
10-SEP-90 17:17:08		rep 1	Ba455	conc	51.33 ug/L	
10-SEP-90 17:17:09		rep 1	Cd226	conc	-0.993 ug/L	
10-SEP-90 17:17:14		rep 1	Co238	conc	2.39 ug/L	
10-SEP-90 17:17:18		rep 1	Na589	conc	-2399 ug/L	
10-SEP-90 17:17:19		rep 1	Ni231	conc	37.50 ug/L	
10-SEP-90 17:17:25		rep 1	Mn257	conc	581.73 ug/L	
10-SEP-90 17:17:30		rep 1	Fe259	conc	16844.29 ug/L	
10-SEP-90 17:17:33		rep 1	K766	conc	4647 ug/L	
10-SEP-90 17:17:39		rep 1	Cr267	conc	35.85 ug/L	
10-SEP-90 17:17:49		rep 1	Mg279	conc	7061.0 ug/L	
10-SEP-90 17:17:55		rep 1	V292	conc	26.11 ug/L	
10-SEP-90 17:18:01		rep 1	Be313.1	conc	0.546 ug/L	
10-SEP-90 17:18:11		rep 1	Cu324	conc	13.19 ug/L	
10-SEP-90 17:18:26		rep 2	Ca317	conc	27963 ug/L	
10-SEP-90 17:18:32		rep 2	Sb206	conc	31.35 ug/L	
10-SEP-90 17:18:37		rep 2	Ag328	conc	1.613 ug/L	
10-SEP-90 17:18:39		rep 2	Zn213	conc	49.87 ug/L	
10-SEP-90 17:18:49		rep 2	Al396	conc	20679.9 ug/L	
10-SEP-90 17:18:51		rep 2	Pb220	conc	24.53 ug/L	
10-SEP-90 17:18:56		rep 2	Ba455	conc	51.03 ug/L	
10-SEP-90 17:19:00		rep 2	Cd226	conc	-0.686 ug/L	
10-SEP-90 17:19:05		rep 2	Co238	conc	20.92 ug/L	
10-SEP-90 17:19:07		rep 2	Na589	conc	-2465 ug/L	
10-SEP-90 17:19:10		rep 2	Ni231	conc	28.25 ug/L	
10-SEP-90 17:19:16		rep 2	Mn257	conc	569.58 ug/L	
10-SEP-90 17:19:21		rep 2	Fe259	conc	16834.56 ug/L	
10-SEP-90 17:19:24		rep 2	K766	conc	4857 ug/L	
10-SEP-90 17:19:31		rep 2	Cr267	conc	29.33 ug/L	
10-SEP-90 17:19:39		rep 2	Mg279	conc	6618.7 ug/L	
10-SEP-90 17:19:46		rep 2	V292	conc	12.01 ug/L	
10-SEP-90 17:19:52		rep 2	Be313.1	conc	-0.037 ug/L	
10-SEP-90 17:20:01		rep 2	Cu324	conc	6.53 ug/L	
10-SEP-90 17:21:44	120086	rep 1	Ca317	conc	12194 ug/L	
10-SEP-90 17:21:50		rep 1	Sb206	conc	76.81 ug/L	
10-SEP-90 17:21:56		rep 1	Zn213	conc	50.52 ug/L	
10-SEP-90 17:21:57		rep 1	Ag328	conc	0.517 ug/L	window edge
10-SEP-90 17:22:05		rep 1	Pb220	conc	-23.60 ug/L	
10-SEP-90 17:22:08		rep 1	Al396	conc	14697.3 ug/L	
10-SEP-90 17:22:15		rep 1	Ba455	conc	40.94 ug/L	
10-SEP-90 17:22:17		rep 1	Cd226	conc	1.116 ug/L	
10-SEP-90 17:22:21		rep 1	Co238	conc	15.58 ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS 9

10-SEP-90 15:51

10-SEP-90 17:22:26	rep 1	Na589	conc	135 ug/l
10-SEP-90 17:22:27	rep 1	Ni231	conc	51.30 ug/l
10-SEP-90 17:22:33	rep 1	Mn257	conc	393.64 ug/l
10-SEP-90 17:22:38	rep 1	Fe259	conc	13728.47 ug/l
10-SEP-90 17:22:42	rep 1	K766	conc	3986 ug/l
10-SEP-90 17:22:48	rep 1	Cr267	conc	47.97 ug/l
10-SEP-90 17:22:56	rep 1	Mg279	conc	6850.4 ug/l
10-SEP-90 17:23:03	rep 1	V292	conc	12.69 ug/l
10-SEP-90 17:23:08	rep 1	Be313.1	conc	-0.405 ug/l
10-SEP-90 17:23:18	rep 1	Cu324	conc	0.74 ug/l
10-SEP-90 17:23:32	rep 2	Ca317	conc	11448 ug/l
10-SEP-90 17:23:38	rep 2	Sb206	conc	63.28 ug/l
10-SEP-90 17:23:43	rep 2	Zn213	conc	37.43 ug/l
10-SEP-90 17:23:45	rep 2	Ag328	conc	6.684 ug/l
10-SEP-90 17:23:52	rep 2	Pb220	conc	-8.64 ug/l
10-SEP-90 17:23:56	rep 2	Al396	conc	14534.9 ug/l
10-SEP-90 17:24:02	rep 2	Cd226	conc	3.059 ug/l
10-SEP-90 17:24:04	rep 2	Ba455	conc	42.41 ug/l
10-SEP-90 17:24:07	rep 2	Co238	conc	15.13 ug/l
10-SEP-90 17:24:12	rep 2	Ni231	conc	36.23 ug/l
10-SEP-90 17:24:15	rep 2	Na589	conc	80 ug/l
10-SEP-90 17:24:18	rep 2	Mn257	conc	394.18 ug/l
10-SEP-90 17:24:23	rep 2	Fe259	conc	14228.36 ug/l
10-SEP-90 17:24:30	rep 2	K766	conc	4483 ug/l
10-SEP-90 17:24:33	rep 2	Cr267	conc	54.11 ug/l
10-SEP-90 17:24:41	rep 2	Mg279	conc	7017.7 ug/l
10-SEP-90 17:24:48	rep 2	V292	conc	-4.21 ug/l
10-SEP-90 17:24:54	rep 2	Be313.1	conc	-1.159 ug/l
10-SEP-90 17:25:03	rep 2	Cu324	conc	10.04 ug/l
10-SEP-90 17:26:45	rep 1	Ca317	conc	11384 ug/l
10-SEP-90 17:26:50	rep 1	Sb206	conc	541.15 ug/l
10-SEP-90 17:26:56	rep 1	Zn213	conc	119.80 ug/l
10-SEP-90 17:26:57	rep 1	Ag328	conc	25.026 ug/l
10-SEP-90 17:27:06	rep 1	Pb220	conc	-138.57 ug/l
10-SEP-90 17:27:08	rep 1	Al396	conc	16301.3 ug/l
10-SEP-90 17:27:15	rep 1	Ba455	conc	72.29 ug/l
10-SEP-90 17:27:17	rep 1	Cd226	conc	-9.346 ug/l
10-SEP-90 17:27:21	rep 1	Co238	conc	2.49 ug/l
10-SEP-90 17:27:26	rep 1	Na589	conc	-13697 ug/l
10-SEP-90 17:27:28	rep 1	Ni231	conc	145.20 ug/l
10-SEP-90 17:27:33	rep 1	Mn257	conc	433.22 ug/l
10-SEP-90 17:27:38	rep 1	Fe259	conc	15801.20 ug/l
10-SEP-90 17:27:42	rep 1	K766	conc	12430 ug/l
10-SEP-90 17:27:48	rep 1	Cr267	conc	42.31 ug/l
10-SEP-90 17:27:57	rep 1	Mg279	conc	9395.5 ug/l
10-SEP-90 17:28:03	rep 1	V292	conc	148.51 ug/l
10-SEP-90 17:28:09	rep 1	Be313.1	conc	-3.472 ug/l
10-SEP-90 17:28:18	rep 1	Cu324	conc	14.69 ug/l
10-SEP-90 17:28:32	rep 2	Ca317	conc	10225 ug/l
10-SEP-90 17:28:38	rep 2	Sb206	conc	614.87 ug/l
10-SEP-90 17:28:44	rep 2	Ag328	conc	-48.157 ug/l
10-SEP-90 17:28:46	rep 2	Zn213	conc	103.67 ug/l
10-SEP-90 17:28:55	rep 2	Al396	conc	15491.4 ug/l
10-SEP-90 17:28:57	rep 2	Pb220	conc	257.84 ug/l
10-SEP-90 17:29:02	rep 2	Ba455	conc	71.30 ug/l
10-SEP-90 17:29:06	rep 2	Cd226	conc	10.472 ug/l
10-SEP-90 17:29:11	rep 2	Co238	conc	19.88 ug/l
10-SEP-90 17:29:14	rep 2	Na589	conc	-13886 ug/l
10-SEP-90 17:29:17	rep 2	Ni231	conc	32.18 ug/l
10-SEP-90 17:29:22	rep 2	Mn257	conc	418.51 ug/l
10-SEP-90 17:29:27	rep 2	Fe259	conc	14545.70 ug/l
10-SEP-90 17:29:30	rep 2	K766	conc	12935 ug/l
10-SEP-90 17:29:37	rep 2	Cr267	conc	102.71 ug/l
10-SEP-90 17:29:45	rep 2	Mg279	conc	6932.6 ug/l
10-SEP-90 17:29:52	rep 2	V292	conc	107.47 ug/l
10-SEP-90 17:29:58	rep 2	Be313.1	conc	-2.388 ug/l
10-SEP-90 17:30:07	rep 2	Cu324	conc	59.99 ug/l
10-SEP-90 17:31:51	rep 1	Ca317	conc	17227 ug/l
10-SEP-90 17:31:56	rep 1	Sb206	conc	356.14 ug/l
10-SEP-90 17:32:02	rep 1	Zn213	conc	516.98 ug/l
10-SEP-90 17:32:04	rep 1	Ag328	conc	46.365 ug/l
10-SEP-90 17:32:12	rep 1	Pb220	conc	437.71 ug/l
10-SEP-90 17:32:14	rep 1	Al396	conc	21204.2 ug/l
10-SEP-90 17:32:21	rep 1	Ba455	conc	1908.72 ug/l
10-SEP-90 17:32:23	rep 1	Cd226	conc	47.416 ug/l
10-SEP-90 17:32:27	rep 1	Co238	conc	472.66 ug/l
10-SEP-90 17:32:31	rep 1	Na589	conc	-1671 ug/l
10-SEP-90 17:32:33	rep 1	Ni231	conc	512.56 ug/l
10-SEP-90 17:32:38	rep 1	Mn257	conc	1040.51 ug/l
10-SEP-90 17:32:43	rep 1	Fe259	conc	21819.94 ug/l
10-SEP-90 17:32:47	rep 1	K766	conc	4888 ug/l
10-SEP-90 17:32:53	rep 1	Cr267	conc	225.49 ug/l
10-SEP-90 17:33:02	rep 1	Mg279	conc	10067.5 ug/l
10-SEP-90 17:33:08	rep 1	V292	conc	518.89 ug/l
10-SEP-90 17:33:14	rep 1	Be313.1	conc	46.380 ug/l
10-SEP-90 17:33:23	rep 1	Cu324	conc	241.15 ug/l

12008601

120086MS

window edge

window edge

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₀
10-SEP-90 15:51

10-SEP-90 17:33:38		rep 2	Ca317	conc	17842	ug/L	
10-SEP-90 17:33:43		rep 2	Sb206	conc	340.80	ug/L	
10-SEP-90 17:33:49		rep 2	Ag328	conc	48.878	ug/L	
10-SEP-90 17:33:51		rep 2	Zn213	conc	529.36	ug/L	
10-SEP-90 17:33:59		rep 2	Al396	conc	20924.2	ug/L	
10-SEP-90 17:34:01		rep 2	Pb220	conc	521.77	ug/L	
10-SEP-90 17:34:06		rep 2	Ba455	conc	1954.22	ug/L	
10-SEP-90 17:34:11		rep 2	Cd226	conc	44.293	ug/L	
10-SEP-90 17:34:15		rep 2	Co238	conc	460.85	ug/L	
10-SEP-90 17:34:18		rep 2	Na589	conc	-1745	ug/L	
10-SEP-90 17:34:20		rep 2	Ni231	conc	513.02	ug/L	
10-SEP-90 17:34:26		rep 2	Mn257	conc	1064.88	ug/L	
10-SEP-90 17:34:31		rep 2	Fe259	conc	21929.07	ug/L	
10-SEP-90 17:34:34		rep 2	K766	conc	5475	ug/L	
10-SEP-90 17:34:41		rep 2	Cr267	conc	220.98	ug/L	
10-SEP-90 17:34:49		rep 2	Mg279	conc	10107.3	ug/L	
10-SEP-90 17:34:56		rep 2	V292	conc	519.37	ug/L	
10-SEP-90 17:35:01		rep 2	Be313.1	conc	47.831	ug/L	
10-SEP-90 17:35:10		rep 2	Cu324	conc	243.06	ug/L	
10-SEP-90 17:36:55	120086DP	rep 1	Ca317	conc	13545	ug/L	
10-SEP-90 17:37:01		rep 1	Sb206	conc	-23.57	ug/L	window edge
10-SEP-90 17:37:07		rep 1	Zn213	conc	50.98	ug/L	
10-SEP-90 17:37:08		rep 1	Ag328	conc	7.291	ug/L	
10-SEP-90 17:37:17		rep 1	Pb220	conc	71.75	ug/L	
10-SEP-90 17:37:19		rep 1	Al396	conc	16271.3	ug/L	
10-SEP-90 17:37:26		rep 1	Ba455	conc	43.04	ug/L	
10-SEP-90 17:37:27		rep 1	Cd226	conc	6.777	ug/L	
10-SEP-90 17:37:32		rep 1	Co238	conc	9.60	ug/L	
10-SEP-90 17:37:36		rep 1	Na589	conc	-1987	ug/L	
10-SEP-90 17:37:38		rep 1	Ni231	conc	18.52	ug/L	
10-SEP-90 17:37:43		rep 1	Mn257	conc	427.66	ug/L	
10-SEP-90 17:37:48		rep 1	Fe259	conc	16483.77	ug/L	
10-SEP-90 17:37:52		rep 1	K766	conc	4791	ug/L	
10-SEP-90 17:37:58		rep 1	Cr267	conc	37.28	ug/L	
10-SEP-90 17:38:07		rep 1	Mg279	conc	7240.3	ug/L	
10-SEP-90 17:38:13		rep 1	V292	conc	10.65	ug/L	
10-SEP-90 17:38:19		rep 1	Be313.1	conc	-0.397	ug/L	
10-SEP-90 17:38:28		rep 1	Cu324	conc	9.63	ug/L	
10-SEP-90 17:38:44		rep 2	Ca317	conc	13065	ug/L	
10-SEP-90 17:38:49		rep 2	Sb206	conc	55.00	ug/L	
10-SEP-90 17:38:55		rep 2	Ag328	conc	2.265	ug/L	
10-SEP-90 17:38:57		rep 2	Zn213	conc	49.71	ug/L	
10-SEP-90 17:39:05		rep 2	Al396	conc	16142.4	ug/L	
10-SEP-90 17:39:07		rep 2	Pb220	conc	-27.44	ug/L	
10-SEP-90 17:39:12		rep 2	Ba455	conc	42.77	ug/L	
10-SEP-90 17:39:17		rep 2	Cd226	conc	0.652	ug/L	
10-SEP-90 17:39:22		rep 2	Co238	conc	-2.79	ug/L	window edge
10-SEP-90 17:39:24		rep 2	Na589	conc	-2021	ug/L	
10-SEP-90 17:39:27		rep 2	Ni231	conc	22.71	ug/L	
10-SEP-90 17:39:33		rep 2	Mn257	conc	442.14	ug/L	
10-SEP-90 17:39:38		rep 2	Fe259	conc	16767.25	ug/L	
10-SEP-90 17:39:41		rep 2	K766	conc	4126	ug/L	
10-SEP-90 17:39:48		rep 2	Cr267	conc	33.21	ug/L	
10-SEP-90 17:39:57		rep 2	Mg279	conc	6837.6	ug/L	
10-SEP-90 17:40:03		rep 2	V292	conc	1.35	ug/L	
10-SEP-90 17:40:09		rep 2	Be313.1	conc	0.161	ug/L	
10-SEP-90 17:40:18		rep 2	Cu324	conc	12.55	ug/L	
10-SEP-90 17:42:04	120087	rep 1	Ca317	conc	20166	ug/L	
10-SEP-90 17:42:10		rep 1	Sb206	conc	-26.76	ug/L	window edge
10-SEP-90 17:42:16		rep 1	Zn213	conc	58.65	ug/L	
10-SEP-90 17:42:17		rep 1	Ag328	conc	3.485	ug/L	
10-SEP-90 17:42:26		rep 1	Pb220	conc	-20.48	ug/L	window edge
10-SEP-90 17:42:28		rep 1	Al396	conc	19176.2	ug/L	
10-SEP-90 17:42:35		rep 1	Ba455	conc	53.67	ug/L	
10-SEP-90 17:42:37		rep 1	Cd226	conc	0.760	ug/L	
10-SEP-90 17:42:41		rep 1	Co238	conc	10.55	ug/L	
10-SEP-90 17:42:45		rep 1	Na589	conc	-2738	ug/L	
10-SEP-90 17:42:47		rep 1	Ni231	conc	47.40	ug/L	
10-SEP-90 17:42:52		rep 1	Mn257	conc	513.51	ug/L	
10-SEP-90 17:42:57		rep 1	Fe259	conc	17891.89	ug/L	
10-SEP-90 17:43:01		rep 1	K766	conc	4618	ug/L	
10-SEP-90 17:43:07		rep 1	Cr267	conc	28.49	ug/L	
10-SEP-90 17:43:16		rep 1	Mg279	conc	8057.4	ug/L	
10-SEP-90 17:43:22		rep 1	V292	conc	7.62	ug/L	
10-SEP-90 17:43:28		rep 1	Be313.1	conc	0.838	ug/L	
10-SEP-90 17:43:37		rep 1	Cu324	conc	5.51	ug/L	
10-SEP-90 17:43:52		rep 2	Ca317	conc	20572	ug/L	
10-SEP-90 17:43:57		rep 2	Sb206	conc	95.66	ug/L	
10-SEP-90 17:44:03		rep 2	Ag328	conc	6.026	ug/L	
10-SEP-90 17:44:05		rep 2	Zn213	conc	58.41	ug/L	
10-SEP-90 17:44:14		rep 2	Al396	conc	19419.5	ug/L	
10-SEP-90 17:44:16		rep 2	Pb220	conc	-48.06	ug/L	window edge
10-SEP-90 17:44:21		rep 2	Ba455	conc	54.76	ug/L	
10-SEP-90 17:44:25		rep 2	Cd226	conc	2.804	ug/L	
10-SEP-90 17:44:30		rep 2	Co238	conc	15.70	ug/L	
10-SEP-90 17:44:33		rep 2	Na589	conc	-2796	ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₁

10-SEP-90 15:51

10-SEP-90 17:44:35	rep 2	Ni231	conc	49.06	ug/l
10-SEP-90 17:44:41	rep 2	Mn257	conc	526.07	ug/l
10-SEP-90 17:44:47	rep 2	Fe259	conc	18271.30	ug/l
10-SEP-90 17:44:50	rep 2	K766	conc	4893	ug/l
10-SEP-90 17:44:57	rep 2	Cr267	conc	29.93	ug/l
10-SEP-90 17:45:05	rep 2	Mg279	conc	7980.0	ug/l
10-SEP-90 17:45:12	rep 2	V292	conc	38.92	ug/l
10-SEP-90 17:45:17	rep 2	Be313.1	conc	0.408	ug/l
10-SEP-90 17:45:27	rep 2	Cu324	conc	19.80	ug/l
10-SEP-90 17:47:13	rep 1	Ca317	conc	24548	ug/l
10-SEP-90 17:47:19	rep 1	Sb206	conc	-58.22	ug/l
10-SEP-90 17:47:24	rep 1	Zn213	conc	50.81	ug/l
10-SEP-90 17:47:26	rep 1	Ag328	conc	12.019	ug/l
10-SEP-90 17:47:34	rep 1	Pb220	conc	-28.92	ug/l
10-SEP-90 17:47:37	rep 1	Al396	conc	20339.0	ug/l
10-SEP-90 17:47:44	rep 1	Cd226	conc	1.891	ug/l
10-SEP-90 17:47:46	rep 1	Ba455	conc	47.45	ug/l
10-SEP-90 17:47:49	rep 1	Co238	conc	8.09	ug/l
10-SEP-90 17:47:54	rep 1	Ni231	conc	47.22	ug/l
10-SEP-90 17:47:57	rep 1	Na589	conc	-1851	ug/l
10-SEP-90 17:48:00	rep 1	Mn257	conc	549.35	ug/l
10-SEP-90 17:48:05	rep 1	Fe259	conc	16422.40	ug/l
10-SEP-90 17:48:12	rep 1	K766	conc	4656	ug/l
10-SEP-90 17:48:15	rep 1	Cr267	conc	35.44	ug/l
10-SEP-90 17:48:23	rep 1	Mg279	conc	7100.4	ug/l
10-SEP-90 17:48:30	rep 1	V292	conc	-3.04	ug/l
10-SEP-90 17:48:36	rep 1	Be313.1	conc	-0.209	ug/l
10-SEP-90 17:48:45	rep 1	Cu324	conc	11.36	ug/l
10-SEP-90 17:49:00	rep 2	Ca317	conc	24708	ug/l
10-SEP-90 17:49:06	rep 2	Sb206	conc	110.02	ug/l
10-SEP-90 17:49:12	rep 2	Zn213	conc	57.92	ug/l
10-SEP-90 17:49:14	rep 2	Ag328	conc	-6.127	ug/l
10-SEP-90 17:49:22	rep 2	Pb220	conc	-16.30	ug/l
10-SEP-90 17:49:24	rep 2	Al396	conc	20762.3	ug/l
10-SEP-90 17:49:32	rep 2	Ba455	conc	48.45	ug/l
10-SEP-90 17:49:34	rep 2	Cd226	conc	2.965	ug/l
10-SEP-90 17:49:38	rep 2	Co238	conc	6.83	ug/l
10-SEP-90 17:49:42	rep 2	Na589	conc	-1806	ug/l
10-SEP-90 17:49:44	rep 2	Ni231	conc	20.94	ug/l
10-SEP-90 17:49:50	rep 2	Mn257	conc	563.28	ug/l
10-SEP-90 17:49:55	rep 2	Fe259	conc	16774.57	ug/l
10-SEP-90 17:49:58	rep 2	K766	conc	4642	ug/l
10-SEP-90 17:50:04	rep 2	Cr267	conc	25.21	ug/l
10-SEP-90 17:50:13	rep 2	Mg279	conc	6873.3	ug/l
10-SEP-90 17:50:20	rep 2	V292	conc	18.61	ug/l
10-SEP-90 17:50:26	rep 2	Be313.1	conc	-0.407	ug/l
10-SEP-90 17:50:35	rep 2	Cu324	conc	-1.13	ug/l
10-SEP-90 17:52:24	rep 1	Ca317	conc	13811	ug/l
10-SEP-90 17:52:29	rep 1	Sb206	conc	11.77	ug/l
10-SEP-90 17:52:35	rep 1	Zn213	conc	80.30	ug/l
10-SEP-90 17:52:37	rep 1	Ag328	conc	3.356	ug/l
10-SEP-90 17:52:46	rep 1	Pb220	conc	76.40	ug/l
10-SEP-90 17:52:47	rep 1	Al396	conc	22169.2	ug/l
10-SEP-90 17:52:55	rep 1	Ba455	conc	99.69	ug/l
10-SEP-90 17:52:56	rep 1	Cd226	conc	2.595	ug/l
10-SEP-90 17:53:01	rep 1	Co238	conc	16.89	ug/l
10-SEP-90 17:53:05	rep 1	Na589	conc	-2853	ug/l
10-SEP-90 17:53:07	rep 1	Ni231	conc	23.00	ug/l
10-SEP-90 17:53:13	rep 1	Mn257	conc	705.98	ug/l
10-SEP-90 17:53:18	rep 1	Fe259	conc	27319.50	ug/l
10-SEP-90 17:53:21	rep 1	K766	conc	5640	ug/l
10-SEP-90 17:53:27	rep 1	Cr267	conc	33.52	ug/l
10-SEP-90 17:53:36	rep 1	Mg279	conc	10682.6	ug/l
10-SEP-90 17:53:42	rep 1	V292	conc	35.50	ug/l
10-SEP-90 17:53:48	rep 1	Be313.1	conc	-0.284	ug/l
10-SEP-90 17:53:57	rep 1	Cu324	conc	15.28	ug/l
10-SEP-90 17:54:12	rep 2	Ca317	conc	13752	ug/l
10-SEP-90 17:54:18	rep 2	Sb206	conc	82.93	ug/l
10-SEP-90 17:54:23	rep 2	Ag328	conc	-5.950	ug/l
10-SEP-90 17:54:25	rep 2	Zn213	conc	83.54	ug/l
10-SEP-90 17:54:34	rep 2	Al396	conc	22130.3	ug/l
10-SEP-90 17:54:36	rep 2	Pb220	conc	29.63	ug/l
10-SEP-90 17:54:41	rep 2	Ba455	conc	98.97	ug/l
10-SEP-90 17:54:45	rep 2	Cd226	conc	2.134	ug/l
10-SEP-90 17:54:50	rep 2	Co238	conc	27.48	ug/l
10-SEP-90 17:54:52	rep 2	Na589	conc	-2972	ug/l
10-SEP-90 17:54:55	rep 2	Ni231	conc	38.43	ug/l
10-SEP-90 17:55:00	rep 2	Mn257	conc	694.46	ug/l
10-SEP-90 17:55:06	rep 2	Fe259	conc	27505.83	ug/l
10-SEP-90 17:55:08	rep 2	K766	conc	5386	ug/l
10-SEP-90 17:55:15	rep 2	Cr267	conc	40.94	ug/l
10-SEP-90 17:55:24	rep 2	Mg279	conc	10548.7	ug/l
10-SEP-90 17:55:30	rep 2	V292	conc	23.77	ug/l
10-SEP-90 17:55:36	rep 2	Be313.1	conc	-0.241	ug/l
10-SEP-90 17:55:46	rep 2	Cu324	conc	5.76	ug/l
10-SEP-90 17:57:35	rep 1	Ca317	conc	75	ug/l

120088

window edge

120089

window edge

window edge

CCVA(AB):1

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₂

10-SEP-90 15:51

10-SEP-90 17:57:40		rep 1	Sb206	conc	1681.13 ug/l	
10-SEP-90 17:57:46		rep 1	Ag328	conc	477.745 ug/l	
10-SEP-90 17:57:47		rep 1	Zn213	conc	479.95 ug/l	
10-SEP-90 17:57:56		rep 1	Al396	conc	738.9 ug/l	
10-SEP-90 17:57:58		rep 1	Pb220	conc	876.88 ug/l	
10-SEP-90 17:58:03		rep 1	Ba455	conc	477.46 ug/l	
10-SEP-90 17:58:07		rep 1	Cd226	conc	463.062 ug/l	
10-SEP-90 17:58:12		rep 1	Co238	conc	450.36 ug/l	
10-SEP-90 17:58:15		rep 1	Na589	conc	-2562 ug/l	
10-SEP-90 17:58:18		rep 1	Ni231	conc	478.61 ug/l	
10-SEP-90 17:58:24		rep 1	Mn257	conc	446.87 ug/l	
10-SEP-90 17:58:29		rep 1	Fe259	conc	487.17 ug/l	
10-SEP-90 17:58:31		rep 1	K766	conc	2733 ug/l	
10-SEP-90 17:58:38		rep 1	Cr267	conc	484.05 ug/l	
10-SEP-90 17:58:48		rep 1	Mg279	conc	1110.5 ug/l	
10-SEP-90 17:58:54		rep 1	V292	conc	460.94 ug/l	
10-SEP-90 17:59:00		rep 1	Be313.1	conc	459.057 ug/l	
10-SEP-90 17:59:09		rep 1	Cu324	conc	471.95 ug/l	
10-SEP-90 17:59:24		rep 2	Ca317	conc	77 ug/l	
10-SEP-90 17:59:29		rep 2	Sb206	conc	1861.15 ug/l	
10-SEP-90 17:59:35		rep 2	Ag328	conc	465.473 ug/l	
10-SEP-90 17:59:37		rep 2	Zn213	conc	489.97 ug/l	
10-SEP-90 17:59:45		rep 2	Al396	conc	763.9 ug/l	
10-SEP-90 17:59:47		rep 2	Pb220	conc	1062.64 ug/l	
10-SEP-90 17:59:52		rep 2	Ba455	conc	473.40 ug/l	
10-SEP-90 17:59:57		rep 2	Cd226	conc	469.075 ug/l	
10-SEP-90 18:00:02		rep 2	Co238	conc	475.13 ug/l	
10-SEP-90 18:00:04		rep 2	Na589	conc	-2599 ug/l	
10-SEP-90 18:00:07		rep 2	Ni231	conc	498.22 ug/l	
10-SEP-90 18:00:13		rep 2	Mn257	conc	452.50 ug/l	
10-SEP-90 18:00:18		rep 2	Fe259	conc	497.59 ug/l	
10-SEP-90 18:00:21		rep 2	K766	conc	2998 ug/l	
10-SEP-90 18:00:28		rep 2	Cr267	conc	469.49 ug/l	
10-SEP-90 18:00:37		rep 2	Mg279	conc	696.4 ug/l	
10-SEP-90 18:00:43		rep 2	V292	conc	469.97 ug/l	
10-SEP-90 18:00:49		rep 2	Be313.1	conc	467.825 ug/l	
10-SEP-90 18:00:58		rep 2	Cu324	conc	470.58 ug/l	
10-SEP-90 18:02:34	CCVB(AB):1	rep 1	Fe259	conc	48535.10 ug/l	
10-SEP-90 18:02:40		rep 1	Ca317	conc	52115 ug/l	
10-SEP-90 18:02:43		rep 1	Mg279	conc	47514.8 ug/l	
10-SEP-90 18:02:51		rep 1	Al396	conc	51069.4 ug/l	
10-SEP-90 18:03:02		rep 1	Na589	conc	46668 ug/l	
10-SEP-90 18:03:18		rep 1	K766	conc	56115 ug/l	
10-SEP-90 18:03:24		rep 2	Fe259	conc	47813.93 ug/l	
10-SEP-90 18:03:32		rep 2	Ca317	conc	52539 ug/l	
10-SEP-90 18:03:34		rep 2	Mg279	conc	47614.7 ug/l	
10-SEP-90 18:03:43		rep 2	Al396	conc	51308.9 ug/l	
10-SEP-90 18:03:54		rep 2	Na589	conc	48178 ug/l	
10-SEP-90 18:04:10		rep 2	K766	conc	55377 ug/l	
10-SEP-90 18:05:57	CCB:1	rep 1	Ca317	conc	-1047 ug/l	
10-SEP-90 18:06:02		rep 1	Sb206	conc	40.77 ug/l	
10-SEP-90 18:06:07		rep 1	Zn213	conc	6.52 ug/l	window edge
10-SEP-90 18:06:09		rep 1	Ag328	conc	-3.460 ug/l	window edge
10-SEP-90 18:06:17		rep 1	Pb220	conc	-122.73 ug/l	
10-SEP-90 18:06:20		rep 1	Al396	conc	-262.1 ug/l	
10-SEP-90 18:06:26		rep 1	Cd226	conc	1.835 ug/l	
10-SEP-90 18:06:28		rep 1	Ba455	conc	3.96 ug/l	
10-SEP-90 18:06:30		rep 1	Co238	conc	4.39 ug/l	
10-SEP-90 18:06:36		rep 1	Ni231	conc	9.95 ug/l	
10-SEP-90 18:06:38		rep 1	Na589	conc	-3627 ug/l	
10-SEP-90 18:06:41		rep 1	Mn257	conc	0.38 ug/l	
10-SEP-90 18:06:46		rep 1	Fe259	conc	12.91 ug/l	
10-SEP-90 18:06:54		rep 1	K766	conc	2170 ug/l	
10-SEP-90 18:06:56		rep 1	Cr267	conc	0.69 ug/l	
10-SEP-90 18:07:05		rep 1	Mg279	conc	-52.3 ug/l	
10-SEP-90 18:07:11		rep 1	V292	conc	1.45 ug/l	
10-SEP-90 18:07:17		rep 1	Be313.1	conc	-0.528 ug/l	
10-SEP-90 18:07:26		rep 1	Cu324	conc	-2.65 ug/l	
10-SEP-90 18:07:41		rep 2	Ca317	conc	-1049 ug/l	
10-SEP-90 18:07:46		rep 2	Sb206	conc	36.17 ug/l	
10-SEP-90 18:07:52		rep 2	Zn213	conc	9.13 ug/l	
10-SEP-90 18:07:54		rep 2	Ag328	conc	3.635 ug/l	
10-SEP-90 18:08:01		rep 2	Pb220	conc	69.37 ug/l	
10-SEP-90 18:08:05		rep 2	Al396	conc	-282.1 ug/l	
10-SEP-90 18:08:11		rep 2	Cd226	conc	-1.083 ug/l	
10-SEP-90 18:08:13		rep 2	Ba455	conc	3.08 ug/l	
10-SEP-90 18:08:15		rep 2	Co238	conc	5.70 ug/l	
10-SEP-90 18:08:20		rep 2	Ni231	conc	28.45 ug/l	
10-SEP-90 18:08:23		rep 2	Na589	conc	-3643 ug/l	
10-SEP-90 18:08:26		rep 2	Mn257	conc	-0.08 ug/l	
10-SEP-90 18:08:32		rep 2	Fe259	conc	12.05 ug/l	
10-SEP-90 18:08:39		rep 2	K766	conc	2235 ug/l	
10-SEP-90 18:08:42		rep 2	Cr267	conc	-4.09 ug/l	window edge
10-SEP-90 18:08:50		rep 2	Mg279	conc	11.3 ug/l	
10-SEP-90 18:08:56		rep 2	V292	conc	-11.66 ug/l	
10-SEP-90 18:09:02		rep 2	Be313.1	conc	-0.835 ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS¹³
10-SEP-90 15:51

10-SEP-90 18:09:11		rep 2	Cu324	conc	1.53 ug/l
10-SEP-90 18:11:01	120381LC	rep 1	Ca317	conc	1037832 ug/l
10-SEP-90 18:11:07		rep 1	Sb206	conc	1059.91 ug/l
10-SEP-90 18:11:12		rep 1	Ag328	conc	104.276 ug/l
10-SEP-90 18:11:14		rep 1	Zn213	conc	872.59 ug/l
10-SEP-90 18:11:23		rep 1	Pb220	conc	1219.36 ug/l
10-SEP-90 18:11:25		rep 1	Al396	conc	1511.7 ug/l
10-SEP-90 18:11:32		rep 1	Ba455	conc	26.81 ug/l
10-SEP-90 18:11:33		rep 1	Cd226	conc	215.628 ug/l
10-SEP-90 18:11:38		rep 1	Co238	conc	721.90 ug/l
10-SEP-90 18:11:42		rep 1	Na589	conc	-3244 ug/l
10-SEP-90 18:11:44		rep 1	Ni231	conc	291.79 ug/l
10-SEP-90 18:11:49		rep 1	Mn257	conc	1030.85 ug/l
10-SEP-90 18:11:54		rep 1	Fe259	conc	118403.41 ug/l
10-SEP-90 18:11:58		rep 1	K766	conc	2205 ug/l
10-SEP-90 18:12:04		rep 1	Cr267	conc	496.93 ug/l
10-SEP-90 18:12:13		rep 1	Mg279	conc	574345.7 ug/l
10-SEP-90 18:12:19		rep 1	V292	conc	321.61 ug/l
10-SEP-90 18:12:25		rep 1	Be313.1	conc	96.221 ug/l
10-SEP-90 18:12:35		rep 1	Cu324	conc	37031.12 ug/l
10-SEP-90 18:12:49		rep 2	Ca317	conc	1025249 ug/l
10-SEP-90 18:12:55		rep 2	Sb206	conc	963.55 ug/l
10-SEP-90 18:13:00		rep 2	Ag328	conc	120.662 ug/l
10-SEP-90 18:13:02		rep 2	Zn213	conc	893.08 ug/l
10-SEP-90 18:13:11		rep 2	Al396	conc	1508.7 ug/l
10-SEP-90 18:13:13		rep 2	Pb220	conc	1141.10 ug/l
10-SEP-90 18:13:18		rep 2	Ba455	conc	29.29 ug/l
10-SEP-90 18:13:22		rep 2	Cd226	conc	208.828 ug/l
10-SEP-90 18:13:27		rep 2	Co238	conc	702.45 ug/l
10-SEP-90 18:13:30		rep 2	Na589	conc	-3214 ug/l
10-SEP-90 18:13:33		rep 2	Ni231	conc	267.42 ug/l
10-SEP-90 18:13:39		rep 2	Mn257	conc	1041.33 ug/l
10-SEP-90 18:13:45		rep 2	Fe259	conc	114529.32 ug/l
10-SEP-90 18:13:47		rep 2	K766	conc	2797 ug/l
10-SEP-90 18:13:54		rep 2	Cr267	conc	521.14 ug/l
10-SEP-90 18:14:03		rep 2	Mg279	conc	613150.6 ug/l
10-SEP-90 18:14:09		rep 2	V292	conc	367.24 ug/l
10-SEP-90 18:14:15		rep 2	Be313.1	conc	93.425 ug/l
10-SEP-90 18:14:24		rep 2	Cu324	conc	37687.76 ug/l
10-SEP-90 18:16:13	100120381LC	rep 1	Ca317	conc	1109636 ug/l
10-SEP-90 18:16:18		rep 1	Sb206	conc	1675.62 ug/l
10-SEP-90 18:16:24		rep 1	Ag328	conc	105.795 ug/l
10-SEP-90 18:16:25		rep 1	Zn213	conc	1112.63 ug/l
10-SEP-90 18:16:34		rep 1	Al396	conc	-4146.7 ug/l
10-SEP-90 18:16:36		rep 1	Pb220	conc	423.18 ug/l
10-SEP-90 18:16:41		rep 1	Ba455	conc	69.84 ug/l
10-SEP-90 18:16:45		rep 1	Cd226	conc	277.183 ug/l
10-SEP-90 18:16:50		rep 1	Co238	conc	941.92 ug/l
10-SEP-90 18:16:52		rep 1	Na589	conc	-69872 ug/l
10-SEP-90 18:16:55		rep 1	Ni231	conc	320.00 ug/l
10-SEP-90 18:17:00		rep 1	Mn257	conc	1094.76 ug/l
10-SEP-90 18:17:06		rep 1	Fe259	conc	123521.07 ug/l
10-SEP-90 18:17:08		rep 1	K766	conc	29231 ug/l
10-SEP-90 18:17:15		rep 1	Cr267	conc	618.53 ug/l
10-SEP-90 18:17:24		rep 1	Mg279	conc	627147.1 ug/l
10-SEP-90 18:17:30		rep 1	V292	conc	-180.47 ug/l
10-SEP-90 18:17:37		rep 1	Be313.1	conc	80.715 ug/l
10-SEP-90 18:17:46		rep 1	Cu324	conc	36581.08 ug/l
10-SEP-90 18:18:00		rep 2	Ca317	conc	1104771 ug/l
10-SEP-90 18:18:06		rep 2	Sb206	conc	1300.90 ug/l
10-SEP-90 18:18:12		rep 2	Ag328	conc	178.595 ug/l
10-SEP-90 18:18:14		rep 2	Zn213	conc	1223.25 ug/l
10-SEP-90 18:18:23		rep 2	Al396	conc	-3450.7 ug/l
10-SEP-90 18:18:25		rep 2	Pb220	conc	471.51 ug/l
10-SEP-90 18:18:30		rep 2	Ba455	conc	64.97 ug/l
10-SEP-90 18:18:34		rep 2	Cd226	conc	220.224 ug/l
10-SEP-90 18:18:39		rep 2	Co238	conc	1013.40 ug/l
10-SEP-90 18:18:42		rep 2	Na589	conc	-70453 ug/l
10-SEP-90 18:18:45		rep 2	Ni231	conc	967.79 ug/l
10-SEP-90 18:18:50		rep 2	Mn257	conc	1121.51 ug/l
10-SEP-90 18:18:56		rep 2	Fe259	conc	121233.54 ug/l
10-SEP-90 18:18:58		rep 2	K766	conc	49890 ug/l
10-SEP-90 18:19:06		rep 2	Cr267	conc	431.80 ug/l
10-SEP-90 18:19:15		rep 2	Mg279	conc	623729.9 ug/l
10-SEP-90 18:19:21		rep 2	V292	conc	33.92 ug/l
10-SEP-90 18:19:27		rep 2	Be313.1	conc	92.277 ug/l
10-SEP-90 18:19:36		rep 2	Cu324	conc	36112.61 ug/l
10-SEP-90 18:21:24	120382PB	rep 1	Ca317	conc	-1046 ug/l
10-SEP-90 18:21:29		rep 1	Sb206	conc	34.38 ug/l
10-SEP-90 18:21:35		rep 1	Ag328	conc	2.490 ug/l
10-SEP-90 18:21:36		rep 1	Zn213	conc	9.06 ug/l
10-SEP-90 18:21:45		rep 1	Al396	conc	-255.1 ug/l
10-SEP-90 18:21:47		rep 1	Pb220	conc	7.96 ug/l
10-SEP-90 18:21:53		rep 1	Ba455	conc	2.73 ug/l
10-SEP-90 18:21:56		rep 1	Cd226	conc	-4.416 ug/l
10-SEP-90 18:22:01		rep 1	Co238	conc	5.53 ug/l

window edge

window edge
window edge

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₄
10-SEP-90 15:51

10-SEP-90 18:22:03	rep 1	Na589	conc	-3602 ug/l	
10-SEP-90 18:22:07	rep 1	Ni231	conc	10.51 ug/l	
10-SEP-90 18:22:12	rep 1	Mn257	conc	-1.76 ug/l	window edge
10-SEP-90 18:22:18	rep 1	Fe259	conc	8.69 ug/l	
10-SEP-90 18:22:20	rep 1	K766	conc	2726 ug/l	
10-SEP-90 18:22:27	rep 1	Cr267	conc	1.27 ug/l	
10-SEP-90 18:22:36	rep 1	Mg279	conc	-50.3 ug/l	
10-SEP-90 18:22:43	rep 1	V292	conc	1.85 ug/l	
10-SEP-90 18:22:48	rep 1	Be313.1	conc	-0.471 ug/l	
10-SEP-90 18:22:58	rep 1	Cu324	conc	19.00 ug/l	
10-SEP-90 18:23:12	rep 2	Ca317	conc	-1049 ug/l	
10-SEP-90 18:23:18	rep 2	Sb206	conc	90.87 ug/l	
10-SEP-90 18:23:24	rep 2	Ag328	conc	3.842 ug/l	window edge
10-SEP-90 18:23:26	rep 2	Zn213	conc	6.56 ug/l	
10-SEP-90 18:23:34	rep 2	Al396	conc	-233.5 ug/l	
10-SEP-90 18:23:36	rep 2	Pb220	conc	2.48 ug/l	
10-SEP-90 18:23:41	rep 2	Ba455	conc	3.01 ug/l	
10-SEP-90 18:23:45	rep 2	Cd226	conc	0.413 ug/l	
10-SEP-90 18:23:50	rep 2	Co238	conc	5.48 ug/l	
10-SEP-90 18:23:53	rep 2	Na589	conc	-3552 ug/l	
10-SEP-90 18:23:55	rep 2	Ni231	conc	19.42 ug/l	
10-SEP-90 18:24:01	rep 2	Mn257	conc	-0.84 ug/l	
10-SEP-90 18:24:06	rep 2	Fe259	conc	13.49 ug/l	
10-SEP-90 18:24:08	rep 2	K766	conc	2097 ug/l	
10-SEP-90 18:24:15	rep 2	Cr267	conc	3.48 ug/l	
10-SEP-90 18:24:24	rep 2	Mg279	conc	-181.1 ug/l	window edge
10-SEP-90 18:24:30	rep 2	V292	conc	-18.45 ug/l	window edge
10-SEP-90 18:24:36	rep 2	Be313.1	conc	-0.983 ug/l	
10-SEP-90 18:24:45	rep 2	Cu324	conc	31.72 ug/l	
10-SEP-90 18:26:32	rep 1	Ca317	conc	-1000 ug/l	
10-SEP-90 18:26:38	rep 1	Sb206	conc	63.68 ug/l	
10-SEP-90 18:26:43	rep 1	Ag328	conc	-3.994 ug/l	window edge
10-SEP-90 18:26:45	rep 1	Zn213	conc	14.84 ug/l	
10-SEP-90 18:26:54	rep 1	Al396	conc	-235.3 ug/l	
10-SEP-90 18:26:55	rep 1	Pb220	conc	3.87 ug/l	
10-SEP-90 18:27:02	rep 1	Ba455	conc	2.88 ug/l	
10-SEP-90 18:27:05	rep 1	Cd226	conc	1.720 ug/l	
10-SEP-90 18:27:09	rep 1	Co238	conc	16.21 ug/l	
10-SEP-90 18:27:12	rep 1	Na589	conc	-3641 ug/l	
10-SEP-90 18:27:15	rep 1	Ni231	conc	15.52 ug/l	
10-SEP-90 18:27:20	rep 1	Mn257	conc	-0.52 ug/l	
10-SEP-90 18:27:25	rep 1	Fe259	conc	24.82 ug/l	
10-SEP-90 18:27:27	rep 1	K766	conc	2085 ug/l	
10-SEP-90 18:27:35	rep 1	Cr267	conc	0.56 ug/l	
10-SEP-90 18:27:44	rep 1	Mg279	conc	152.3 ug/l	window edge
10-SEP-90 18:27:50	rep 1	V292	conc	4.50 ug/l	
10-SEP-90 18:27:56	rep 1	Be313.1	conc	-0.697 ug/l	
10-SEP-90 18:28:06	rep 1	Cu324	conc	8.53 ug/l	
10-SEP-90 18:28:21	rep 2	Ca317	conc	-979 ug/l	
10-SEP-90 18:28:26	rep 2	Sb206	conc	-6.43 ug/l	
10-SEP-90 18:28:31	rep 2	Zn213	conc	17.78 ug/l	
10-SEP-90 18:28:33	rep 2	Ag328	conc	-4.783 ug/l	window edge
10-SEP-90 18:28:40	rep 2	Pb220	conc	34.77 ug/l	
10-SEP-90 18:28:44	rep 2	Al396	conc	-270.2 ug/l	
10-SEP-90 18:28:49	rep 2	Cd226	conc	3.217 ug/l	
10-SEP-90 18:28:52	rep 2	Ba455	conc	2.68 ug/l	
10-SEP-90 18:28:54	rep 2	Co238	conc	6.16 ug/l	
10-SEP-90 18:29:00	rep 2	Ni231	conc	23.05 ug/l	
10-SEP-90 18:29:02	rep 2	Na589	conc	-3569 ug/l	
10-SEP-90 18:29:05	rep 2	Mn257	conc	-0.75 ug/l	
10-SEP-90 18:29:11	rep 2	Fe259	conc	14.91 ug/l	
10-SEP-90 18:29:18	rep 2	K766	conc	1506 ug/l	window edge
10-SEP-90 18:29:21	rep 2	Cr267	conc	3.21 ug/l	
10-SEP-90 18:29:29	rep 2	Mg279	conc	-13.5 ug/l	
10-SEP-90 18:29:36	rep 2	V292	conc	2.96 ug/l	
10-SEP-90 18:29:42	rep 2	Be313.1	conc	-0.183 ug/l	
10-SEP-90 18:29:51	rep 2	Cu324	conc	21.49 ug/l	
10-SEP-90 18:31:37	rep 1	Ca317	conc	46138 ug/l	
10-SEP-90 18:31:43	rep 1	Sb206	conc	68.92 ug/l	
10-SEP-90 18:31:48	rep 1	Zn213	conc	11.24 ug/l	
10-SEP-90 18:31:50	rep 1	Ag328	conc	2.793 ug/l	
10-SEP-90 18:31:58	rep 1	Pb220	conc	-15.12 ug/l	
10-SEP-90 18:32:01	rep 1	Al396	conc	-226.6 ug/l	
10-SEP-90 18:32:07	rep 1	Cd226	conc	-5.469 ug/l	window edge
10-SEP-90 18:32:09	rep 1	Ba455	conc	9.87 ug/l	
10-SEP-90 18:32:12	rep 1	Co238	conc	2.29 ug/l	
10-SEP-90 18:32:17	rep 1	Ni231	conc	21.44 ug/l	
10-SEP-90 18:32:19	rep 1	Na589	conc	1230 ug/l	
10-SEP-90 18:32:23	rep 1	Mn257	conc	16.51 ug/l	
10-SEP-90 18:32:28	rep 1	Fe259	conc	111.83 ug/l	
10-SEP-90 18:32:35	rep 1	K766	conc	3705 ug/l	
10-SEP-90 18:32:37	rep 1	Cr267	conc	6.47 ug/l	
10-SEP-90 18:32:46	rep 1	Mg279	conc	1418.6 ug/l	
10-SEP-90 18:32:53	rep 1	V292	conc	-4.76 ug/l	
10-SEP-90 18:32:58	rep 1	Be313.1	conc	-0.205 ug/l	
10-SEP-90 18:33:08	rep 1	Cu324	conc	16.47 ug/l	

120090

120094

Instrument Log

Watch file name: ICP5MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS¹⁵
10-SEP-90 15:51

10-SEP-90 18:33:22	rep 2	Ca317	conc	44625 ug/l	
10-SEP-90 18:33:28	rep 2	Sb206	conc	25.23 ug/l	
10-SEP-90 18:33:33	rep 2	Zn213	conc	10.22 ug/l	
10-SEP-90 18:33:35	rep 2	Ag328	conc	9.856 ug/l	
10-SEP-90 18:33:43	rep 2	Pb220	conc	-37.04 ug/l	
10-SEP-90 18:33:46	rep 2	Al396	conc	-223.7 ug/l	
10-SEP-90 18:33:52	rep 2	Cd226	conc	2.212 ug/l	
10-SEP-90 18:33:54	rep 2	Ba455	conc	8.75 ug/l	
10-SEP-90 18:33:57	rep 2	Co238	conc	10.43 ug/l	
10-SEP-90 18:34:02	rep 2	Ni231	conc	13.56 ug/l	
10-SEP-90 18:34:05	rep 2	Na589	conc	1198 ug/l	
10-SEP-90 18:34:07	rep 2	Mn257	conc	16.28 ug/l	
10-SEP-90 18:34:13	rep 2	Fe259	conc	109.94 ug/l	
10-SEP-90 18:34:20	rep 2	K766	conc	3064 ug/l	
10-SEP-90 18:34:22	rep 2	Cr267	conc	0.46 ug/l	
10-SEP-90 18:34:31	rep 2	Mg279	conc	1501.0 ug/l	
10-SEP-90 18:34:38	rep 2	V292	conc	-34.59 ug/l	window edge
10-SEP-90 18:34:44	rep 2	Be313.1	conc	-0.572 ug/l	
10-SEP-90 18:34:53	rep 2	Cu324	conc	8.87 ug/l	
10-SEP-90 18:36:38	rep 1	Ca317	conc	45710 ug/l	
10-SEP-90 18:36:43	rep 1	Sb206	conc	28.16 ug/l	
10-SEP-90 18:36:49	rep 1	Ag328	conc	2.041 ug/l	
10-SEP-90 18:36:50	rep 1	Zn213	conc	15.38 ug/l	
10-SEP-90 18:36:59	rep 1	Al396	conc	-223.9 ug/l	
10-SEP-90 18:37:01	rep 1	Pb220	conc	14.09 ug/l	
10-SEP-90 18:37:06	rep 1	Ba455	conc	9.11 ug/l	
10-SEP-90 18:37:10	rep 1	Cd226	conc	1.965 ug/l	
10-SEP-90 18:37:15	rep 1	Co238	conc	2.95 ug/l	
10-SEP-90 18:37:17	rep 1	Na589	conc	1139 ug/l	
10-SEP-90 18:37:20	rep 1	Ni231	conc	27.84 ug/l	
10-SEP-90 18:37:26	rep 1	Mn257	conc	17.79 ug/l	
10-SEP-90 18:37:31	rep 1	Fe259	conc	115.73 ug/l	
10-SEP-90 18:37:33	rep 1	K766	conc	3126 ug/l	
10-SEP-90 18:37:40	rep 1	Cr267	conc	1.23 ug/l	
10-SEP-90 18:37:49	rep 1	Mg279	conc	1576.2 ug/l	
10-SEP-90 18:37:55	rep 1	V292	conc	0.94 ug/l	
10-SEP-90 18:38:01	rep 1	Be313.1	conc	-0.369 ug/l	
10-SEP-90 18:38:11	rep 1	Cu324	conc	3.19 ug/l	
10-SEP-90 18:38:25	rep 2	Ca317	conc	44717 ug/l	
10-SEP-90 18:38:31	rep 2	Sb206	conc	59.08 ug/l	
10-SEP-90 18:38:36	rep 2	Ag328	conc	-8.227 ug/l	window edge
10-SEP-90 18:38:38	rep 2	Zn213	conc	15.99 ug/l	
10-SEP-90 18:38:47	rep 2	Al396	conc	-205.8 ug/l	
10-SEP-90 18:38:49	rep 2	Pb220	conc	-0.09 ug/l	
10-SEP-90 18:38:53	rep 2	Ba455	conc	7.76 ug/l	
10-SEP-90 18:38:58	rep 2	Cd226	conc	-0.599 ug/l	
10-SEP-90 18:39:03	rep 2	Co238	conc	11.74 ug/l	
10-SEP-90 18:39:05	rep 2	Na589	conc	1103 ug/l	
10-SEP-90 18:39:08	rep 2	Ni231	conc	11.60 ug/l	window edge
10-SEP-90 18:39:13	rep 2	Mn257	conc	18.40 ug/l	
10-SEP-90 18:39:18	rep 2	Fe259	conc	109.30 ug/l	
10-SEP-90 18:39:21	rep 2	K766	conc	3152 ug/l	
10-SEP-90 18:39:28	rep 2	Cr267	conc	1.87 ug/l	
10-SEP-90 18:39:37	rep 2	Mg279	conc	1444.9 ug/l	
10-SEP-90 18:39:43	rep 2	V292	conc	20.72 ug/l	
10-SEP-90 18:39:49	rep 2	Be313.1	conc	-0.375 ug/l	
10-SEP-90 18:39:58	rep 2	Cu324	conc	11.16 ug/l	
10-SEP-90 18:41:42	rep 1	Ca317	conc	43198 ug/l	
10-SEP-90 18:41:47	rep 1	Sb206	conc	60.89 ug/l	
10-SEP-90 18:41:53	rep 1	Zn213	conc	13.91 ug/l	
10-SEP-90 18:41:55	rep 1	Ag328	conc	3.003 ug/l	window edge
10-SEP-90 18:42:02	rep 1	Pb220	conc	-0.75 ug/l	
10-SEP-90 18:42:05	rep 1	Al396	conc	-265.4 ug/l	
10-SEP-90 18:42:12	rep 1	Cd226	conc	1.660 ug/l	
10-SEP-90 18:42:14	rep 1	Ba455	conc	9.25 ug/l	
10-SEP-90 18:42:17	rep 1	Co238	conc	5.79 ug/l	
10-SEP-90 18:42:22	rep 1	Ni231	conc	21.42 ug/l	
10-SEP-90 18:42:25	rep 1	Na589	conc	1137 ug/l	
10-SEP-90 18:42:28	rep 1	Mn257	conc	18.01 ug/l	
10-SEP-90 18:42:34	rep 1	Fe259	conc	94.44 ug/l	
10-SEP-90 18:42:41	rep 1	K766	conc	3085 ug/l	
10-SEP-90 18:42:44	rep 1	Cr267	conc	3.39 ug/l	
10-SEP-90 18:42:52	rep 1	Mg279	conc	1626.9 ug/l	
10-SEP-90 18:42:59	rep 1	V292	conc	8.36 ug/l	
10-SEP-90 18:43:04	rep 1	Be313.1	conc	-0.475 ug/l	
10-SEP-90 18:43:14	rep 1	Cu324	conc	11.01 ug/l	
10-SEP-90 18:43:28	rep 2	Ca317	conc	44120 ug/l	
10-SEP-90 18:43:34	rep 2	Sb206	conc	66.35 ug/l	
10-SEP-90 18:43:40	rep 2	Ag328	conc	-0.981 ug/l	window edge
10-SEP-90 18:43:42	rep 2	Zn213	conc	0.72 ug/l	window edge
10-SEP-90 18:43:51	rep 2	Al396	conc	-253.6 ug/l	
10-SEP-90 18:43:52	rep 2	Pb220	conc	40.72 ug/l	
10-SEP-90 18:43:57	rep 2	Ba455	conc	8.54 ug/l	
10-SEP-90 18:44:02	rep 2	Cd226	conc	0.233 ug/l	
10-SEP-90 18:44:07	rep 2	Co238	conc	3.30 ug/l	
10-SEP-90 18:44:09	rep 2	Na589	conc	1217 ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₆
10-SEP-90 15:51

10-SEP-90 18:44:12	rep 2	Ni231	conc	20.19	ug/l	
10-SEP-90 18:44:18	rep 2	Mn257	conc	15.85	ug/l	
10-SEP-90 18:44:24	rep 2	Fe259	conc	91.29	ug/l	
10-SEP-90 18:44:26	rep 2	K766	conc	3159	ug/l	
10-SEP-90 18:44:34	rep 2	Cr267	conc	3.17	ug/l	
10-SEP-90 18:44:43	rep 2	Mg279	conc	1612.4	ug/l	
10-SEP-90 18:44:49	rep 2	V292	conc	5.87	ug/l	
10-SEP-90 18:44:55	rep 2	Be313.1	conc	-0.266	ug/l	
10-SEP-90 18:45:04	rep 2	Cu324	conc	5.34	ug/l	
10-SEP-90 18:46:47	120096D1	rep 1	Ca317	conc	38812	ug/l
10-SEP-90 18:46:53	rep 1	Sb206	conc	-50.13	ug/l	window edge
10-SEP-90 18:46:58	rep 1	Zn213	conc	65.17	ug/l	
10-SEP-90 18:47:00	rep 1	Ag328	conc	-5.233	ug/l	window edge
10-SEP-90 18:47:08	rep 1	Pb220	conc	-43.26	ug/l	
10-SEP-90 18:47:11	rep 1	Al396	conc	-1231.1	ug/l	
10-SEP-90 18:47:18	rep 1	Ba455	conc	17.53	ug/l	
10-SEP-90 18:47:19	rep 1	Cd226	conc	-23.941	ug/l	window edge
10-SEP-90 18:47:24	rep 1	Co238	conc	1.73	ug/l	
10-SEP-90 18:47:29	rep 1	Na589	conc	-13630	ug/l	
10-SEP-90 18:47:30	rep 1	Ni231	conc	40.08	ug/l	
10-SEP-90 18:47:36	rep 1	Mn257	conc	11.72	ug/l	
10-SEP-90 18:47:41	rep 1	Fe259	conc	139.99	ug/l	
10-SEP-90 18:47:45	rep 1	K766	conc	10744	ug/l	
10-SEP-90 18:47:51	rep 1	Cr267	conc	-14.98	ug/l	window edge
10-SEP-90 18:47:59	rep 1	Mg279	conc	1954.4	ug/l	
10-SEP-90 18:48:06	rep 1	V292	conc	91.79	ug/l	
10-SEP-90 18:48:11	rep 1	Be313.1	conc	-3.521	ug/l	
10-SEP-90 18:48:21	rep 1	Cu324	conc	23.09	ug/l	
10-SEP-90 18:48:36	rep 2	Ca317	conc	39452	ug/l	
10-SEP-90 18:48:41	rep 2	Sb206	conc	324.46	ug/l	
10-SEP-90 18:48:47	rep 2	Ag328	conc	23.629	ug/l	
10-SEP-90 18:48:49	rep 2	Zn213	conc	33.88	ug/l	
10-SEP-90 18:48:58	rep 2	Al396	conc	-1243.4	ug/l	
10-SEP-90 18:49:00	rep 2	Pb220	conc	16.24	ug/l	
10-SEP-90 18:49:04	rep 2	Ba455	conc	17.13	ug/l	
10-SEP-90 18:49:09	rep 2	Cd226	conc	20.962	ug/l	
10-SEP-90 18:49:13	rep 2	Co238	conc	-118.94	ug/l	window edge
10-SEP-90 18:49:16	rep 2	Na589	conc	-14001	ug/l	
10-SEP-90 18:49:20	rep 2	Ni231	conc	129.27	ug/l	
10-SEP-90 18:49:25	rep 2	Mn257	conc	9.46	ug/l	
10-SEP-90 18:49:31	rep 2	Fe259	conc	147.37	ug/l	
10-SEP-90 18:49:34	rep 2	K766	conc	10480	ug/l	
10-SEP-90 18:49:41	rep 2	Cr267	conc	-47.79	ug/l	window edge
10-SEP-90 18:49:50	rep 2	Mg279	conc	1888.6	ug/l	
10-SEP-90 18:49:56	rep 2	V292	conc	-48.17	ug/l	
10-SEP-90 18:50:02	rep 2	Be313.1	conc	-0.993	ug/l	
10-SEP-90 18:50:11	120096MS	rep 2	Cu324	conc	56.01	ug/l
10-SEP-90 18:51:52	rep 1	Ca317	conc	44747	ug/l	
10-SEP-90 18:51:58	rep 1	Sb206	conc	450.26	ug/l	
10-SEP-90 18:52:03	rep 1	Ag328	conc	54.080	ug/l	
10-SEP-90 18:52:05	rep 1	Zn213	conc	473.23	ug/l	
10-SEP-90 18:52:14	rep 1	Al396	conc	1698.2	ug/l	
10-SEP-90 18:52:15	rep 1	Pb220	conc	420.94	ug/l	
10-SEP-90 18:52:21	rep 1	Ba455	conc	1846.08	ug/l	
10-SEP-90 18:52:25	rep 1	Cd226	conc	44.409	ug/l	
10-SEP-90 18:52:29	rep 1	Co238	conc	475.32	ug/l	
10-SEP-90 18:52:31	rep 1	Na589	conc	1253	ug/l	
10-SEP-90 18:52:35	rep 1	Ni231	conc	462.18	ug/l	
10-SEP-90 18:52:40	rep 1	Mn257	conc	481.84	ug/l	
10-SEP-90 18:52:45	rep 1	Fe259	conc	1015.55	ug/l	
10-SEP-90 18:52:47	rep 1	K766	conc	3298	ug/l	
10-SEP-90 18:52:55	rep 1	Cr267	conc	190.32	ug/l	
10-SEP-90 18:53:04	rep 1	Mg279	conc	1375.3	ug/l	
10-SEP-90 18:53:10	rep 1	V292	conc	483.80	ug/l	
10-SEP-90 18:53:16	rep 1	Be313.1	conc	46.046	ug/l	
10-SEP-90 18:53:25	rep 1	Cu324	conc	232.13	ug/l	
10-SEP-90 18:53:40	rep 2	Ca317	conc	43461	ug/l	
10-SEP-90 18:53:46	rep 2	Sb206	conc	385.35	ug/l	
10-SEP-90 18:53:54	rep 2	Ag328	conc	49.684	ug/l	
10-SEP-90 18:54:03	rep 2	Zn213	conc	473.01	ug/l	
10-SEP-90 18:54:05	rep 2	Al396	conc	1743.2	ug/l	
10-SEP-90 18:54:10	rep 2	Pb220	conc	416.46	ug/l	
10-SEP-90 18:54:14	rep 2	Ba455	conc	1879.80	ug/l	
10-SEP-90 18:54:20	rep 2	Cd226	conc	41.603	ug/l	
10-SEP-90 18:54:43	rep 2	Na589	conc	1154	ug/l	
10-SEP-90 18:54:43	rep 2	Co238	conc	463.95	ug/l	
10-SEP-90 18:55:02	rep 2	Ni231	conc	486.26	ug/l	
10-SEP-90 18:55:02	rep 2	Mn257	conc	488.33	ug/l	
10-SEP-90 18:55:02	rep 2	K766	conc	3032	ug/l	
10-SEP-90 18:55:03	rep 2	Fe259	conc	1040.85	ug/l	
10-SEP-90 18:55:03	rep 2	Cr267	conc	184.22	ug/l	
10-SEP-90 18:55:03	rep 2	Mg279	conc	1485.8	ug/l	
10-SEP-90 18:55:04	rep 2	V292	conc	483.91	ug/l	
10-SEP-90 18:55:10	rep 2	Be313.1	conc	44.693	ug/l	
10-SEP-90 18:55:20	rep 2	Cu324	conc	221.00	ug/l	
10-SEP-90 18:57:02	120096DP	rep 1	Ca317	conc	43529	ug/l

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.10SEP901551
Method: EPA\INCLP

ICP2--2DS¹⁷
10-SEP-90 15:51

10-SEP-90 18:57:08	rep 1	Sb206	conc	79.02 ug/l	
10-SEP-90 18:57:13	rep 1	Zn213	conc	13.43 ug/l	
10-SEP-90 18:57:15	rep 1	Ag328	conc	1.847 ug/l	
10-SEP-90 18:57:22	rep 1	Pb220	conc	-61.23 ug/l	window edge
10-SEP-90 18:57:25	rep 1	Al396	conc	-254.3 ug/l	
10-SEP-90 18:57:32	rep 1	Cd226	conc	3.099 ug/l	
10-SEP-90 18:57:33	rep 1	Ba455	conc	9.83 ug/l	
10-SEP-90 18:57:36	rep 1	Co238	conc	0.31 ug/l	
10-SEP-90 18:57:41	rep 1	Ni231	conc	20.21 ug/l	
10-SEP-90 18:57:44	rep 1	Na589	conc	914 ug/l	
10-SEP-90 18:57:47	rep 1	Mn257	conc	16.84 ug/l	
10-SEP-90 18:57:52	rep 1	Fe259	conc	97.73 ug/l	
10-SEP-90 18:58:00	rep 1	K766	conc	2581 ug/l	
10-SEP-90 18:58:02	rep 1	Cr267	conc	-5.14 ug/l	window edge
10-SEP-90 18:58:11	rep 1	Mg279	conc	1625.0 ug/l	
10-SEP-90 18:58:17	rep 1	V292	conc	7.82 ug/l	
10-SEP-90 18:58:23	rep 1	Be313.1	conc	-0.434 ug/l	
10-SEP-90 18:58:32	rep 1	Cu324	conc	7.03 ug/l	
10-SEP-90 18:58:46	rep 2	Ca317	conc	43809 ug/l	
10-SEP-90 18:58:52	rep 2	Sb206	conc	15.66 ug/l	
10-SEP-90 18:58:58	rep 2	Ag328	conc	7.087 ug/l	
10-SEP-90 18:59:00	rep 2	Zn213	conc	6.18 ug/l	window edge
10-SEP-90 18:59:09	rep 2	Al396	conc	-231.7 ug/l	
10-SEP-90 18:59:11	rep 2	Pb220	conc	-7.24 ug/l	
10-SEP-90 18:59:16	rep 2	Ba455	conc	9.39 ug/l	
10-SEP-90 18:59:21	rep 2	Cd226	conc	1.663 ug/l	
10-SEP-90 18:59:25	rep 2	Co238	conc	11.31 ug/l	
10-SEP-90 18:59:28	rep 2	Na589	conc	1183 ug/l	
10-SEP-90 18:59:31	rep 2	Ni231	conc	18.01 ug/l	
10-SEP-90 18:59:36	rep 2	Mn257	conc	17.43 ug/l	
10-SEP-90 18:59:41	rep 2	Fe259	conc	99.80 ug/l	
10-SEP-90 18:59:44	rep 2	K766	conc	3071 ug/l	
10-SEP-90 18:59:51	rep 2	Cr267	conc	0.79 ug/l	
10-SEP-90 19:00:00	rep 2	Mg279	conc	1183.9 ug/l	
10-SEP-90 19:00:06	rep 2	V292	conc	13.78 ug/l	
10-SEP-90 19:00:12	rep 2	Be313.1	conc	-0.128 ug/l	
10-SEP-90 19:00:21	rep 2	Cu324	conc	5.54 ug/l	
10-SEP-90 19:02:01	CCVA(AB):2	rep 1	Ca317	conc	16 ug/l
10-SEP-90 19:02:06		rep 1	Sb206	conc	1770.46 ug/l
10-SEP-90 19:02:12		rep 1	Ag328	conc	459.557 ug/l
10-SEP-90 19:02:14		rep 1	Zn213	conc	464.19 ug/l
10-SEP-90 19:02:23		rep 1	Pb220	conc	909.79 ug/l
10-SEP-90 19:02:25		rep 1	Al396	conc	725.5 ug/l
10-SEP-90 19:02:32		rep 1	Ba455	conc	459.96 ug/l
10-SEP-90 19:02:33		rep 1	Cd226	conc	442.797 ug/l
10-SEP-90 19:02:38		rep 1	Co238	conc	454.74 ug/l
10-SEP-90 19:02:42		rep 1	Na589	conc	-2566 ug/l
10-SEP-90 19:02:44		rep 1	Ni231	conc	455.25 ug/l
10-SEP-90 19:02:50		rep 1	Mn257	conc	444.08 ug/l
10-SEP-90 19:02:55		rep 1	Fe259	conc	465.23 ug/l
10-SEP-90 19:02:58		rep 1	K766	conc	2249 ug/l
10-SEP-90 19:03:05		rep 1	Cr267	conc	455.63 ug/l
10-SEP-90 19:03:14		rep 1	Mg279	conc	859.1 ug/l
10-SEP-90 19:03:20		rep 1	V292	conc	470.58 ug/l
10-SEP-90 19:03:26		rep 1	Be313.1	conc	456.498 ug/l
10-SEP-90 19:03:36		rep 1	Cu324	conc	471.18 ug/l
10-SEP-90 19:03:51		rep 2	Ca317	conc	18 ug/l
10-SEP-90 19:03:56		rep 2	Sb206	conc	1796.68 ug/l
10-SEP-90 19:04:02		rep 2	Ag328	conc	454.516 ug/l
10-SEP-90 19:04:04		rep 2	Zn213	conc	467.07 ug/l
10-SEP-90 19:04:12		rep 2	Al396	conc	728.1 ug/l
10-SEP-90 19:04:14		rep 2	Pb220	conc	1021.85 ug/l
10-SEP-90 19:04:19		rep 2	Ba455	conc	453.77 ug/l
10-SEP-90 19:04:23		rep 2	Cd226	conc	452.347 ug/l
10-SEP-90 19:04:28		rep 2	Co238	conc	456.64 ug/l
10-SEP-90 19:04:31		rep 2	Na589	conc	-2616 ug/l
10-SEP-90 19:04:33		rep 2	Ni231	conc	459.12 ug/l
10-SEP-90 19:04:39		rep 2	Mn257	conc	451.91 ug/l
10-SEP-90 19:04:44		rep 2	Fe259	conc	474.09 ug/l
10-SEP-90 19:04:47		rep 2	K766	conc	3700 ug/l
10-SEP-90 19:04:54		rep 2	Cr267	conc	461.82 ug/l
10-SEP-90 19:05:02		rep 2	Mg279	conc	1224.6 ug/l
10-SEP-90 19:05:09		rep 2	V292	conc	465.66 ug/l
10-SEP-90 19:05:14		rep 2	Be313.1	conc	462.559 ug/l
10-SEP-90 19:05:23		rep 2	Cu324	conc	484.50 ug/l
10-SEP-90 19:06:56	CCVB(AB):2	rep 1	Fe259	conc	47303.95 ug/l
10-SEP-90 19:07:03		rep 1	Ca317	conc	50607 ug/l
10-SEP-90 19:07:05		rep 1	Mg279	conc	46425.6 ug/l
10-SEP-90 19:07:14		rep 1	Al396	conc	49878.0 ug/l
10-SEP-90 19:07:25		rep 1	Na589	conc	46388 ug/l
10-SEP-90 19:07:41		rep 1	K766	conc	53992 ug/l
10-SEP-90 19:07:47		rep 2	Fe259	conc	47238.72 ug/l
10-SEP-90 19:07:54		rep 2	Ca317	conc	50964 ug/l
10-SEP-90 19:07:56		rep 2	Mg279	conc	46260.9 ug/l
10-SEP-90 19:08:05		rep 2	Al396	conc	49855.2 ug/l
10-SEP-90 19:08:16		rep 2	Na589	conc	46594 ug/l

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₈
10-SEP-90 15:51

10-SEP-90 19:08:32		rep 2	K766	conc	55033 ug/l	
10-SEP-90 19:10:13	CCB:2	rep 1	Ca317	conc	-1063 ug/l	
10-SEP-90 19:10:17		rep 1	Sb206	conc	44.67 ug/l	
10-SEP-90 19:10:23		rep 1	Zn213	conc	7.60 ug/l	
10-SEP-90 19:10:25		rep 1	Ag328	conc	-8.070 ug/l	window edge
10-SEP-90 19:10:32		rep 1	Pb220	conc	-6.54 ug/l	
10-SEP-90 19:10:35		rep 1	Al396	conc	-233.6 ug/l	
10-SEP-90 19:10:41		rep 1	Cd226	conc	0.902 ug/l	
10-SEP-90 19:10:43		rep 1	Ba455	conc	0.59 ug/l	window edge
10-SEP-90 19:10:46		rep 1	Co238	conc	2.86 ug/l	window edge
10-SEP-90 19:10:51		rep 1	Ni231	conc	22.24 ug/l	
10-SEP-90 19:10:53		rep 1	Na589	conc	-3686 ug/l	
10-SEP-90 19:10:57		rep 1	Mn257	conc	0.88 ug/l	
10-SEP-90 19:11:02		rep 1	Fe259	conc	17.01 ug/l	
10-SEP-90 19:11:09		rep 1	K766	conc	1923 ug/l	
10-SEP-90 19:11:11		rep 1	Cr267	conc	1.96 ug/l	window edge
10-SEP-90 19:11:20		rep 1	Mg279	conc	-77.9 ug/l	
10-SEP-90 19:11:27		rep 1	V292	conc	3.43 ug/l	
10-SEP-90 19:11:32		rep 1	Be313.1	conc	-0.133 ug/l	
10-SEP-90 19:11:42		rep 1	Cu324	conc	-2.89 ug/l	
10-SEP-90 19:11:56		rep 2	Ca317	conc	-1061 ug/l	
10-SEP-90 19:12:02		rep 2	Sb206	conc	94.92 ug/l	
10-SEP-90 19:12:07		rep 2	Zn213	conc	4.33 ug/l	
10-SEP-90 19:12:09		rep 2	Ag328	conc	10.429 ug/l	
10-SEP-90 19:12:17		rep 2	Pb220	conc	-55.27 ug/l	window edge
10-SEP-90 19:12:20		rep 2	Al396	conc	-248.4 ug/l	
10-SEP-90 19:12:26		rep 2	Cd226	conc	3.348 ug/l	
10-SEP-90 19:12:28		rep 2	Ba455	conc	2.40 ug/l	
10-SEP-90 19:12:31		rep 2	Co238	conc	9.80 ug/l	
10-SEP-90 19:12:36		rep 2	Ni231	conc	6.43 ug/l	
10-SEP-90 19:12:39		rep 2	Na589	conc	-3747 ug/l	
10-SEP-90 19:12:42		rep 2	Mn257	conc	-0.81 ug/l	
10-SEP-90 19:12:47		rep 2	Fe259	conc	25.24 ug/l	
10-SEP-90 19:12:55		rep 2	K766	conc	1887 ug/l	window edge
10-SEP-90 19:12:57		rep 2	Cr267	conc	5.86 ug/l	
10-SEP-90 19:13:06		rep 2	Mg279	conc	75.1 ug/l	window edge
10-SEP-90 19:13:12		rep 2	V292	conc	1.72 ug/l	
10-SEP-90 19:13:18		rep 2	Be313.1	conc	-0.218 ug/l	
10-SEP-90 19:13:27		rep 2	Cu324	conc	10.94 ug/l	
10-SEP-90 19:15:05	120097	rep 1	Ca317	conc	42901 ug/l	
10-SEP-90 19:15:11		rep 1	Sb206	conc	130.14 ug/l	
10-SEP-90 19:15:17		rep 1	Zn213	conc	3.44 ug/l	window edge
10-SEP-90 19:15:19		rep 1	Ag328	conc	-0.041 ug/l	
10-SEP-90 19:15:27		rep 1	Pb220	conc	29.61 ug/l	
10-SEP-90 19:15:29		rep 1	Al396	conc	-227.3 ug/l	
10-SEP-90 19:15:36		rep 1	Ba455	conc	9.18 ug/l	
10-SEP-90 19:15:37		rep 1	Cd226	conc	-0.370 ug/l	
10-SEP-90 19:15:42		rep 1	Co238	conc	6.28 ug/l	
10-SEP-90 19:15:47		rep 1	Na589	conc	1084 ug/l	
10-SEP-90 19:15:48		rep 1	Ni231	conc	-5.38 ug/l	window edge
10-SEP-90 19:15:54		rep 1	Mn257	conc	16.68 ug/l	
10-SEP-90 19:15:59		rep 1	Fe259	conc	100.68 ug/l	
10-SEP-90 19:16:02		rep 1	K766	conc	2811 ug/l	
10-SEP-90 19:16:08		rep 1	Cr267	conc	3.29 ug/l	
10-SEP-90 19:16:17		rep 1	Mg279	conc	1410.1 ug/l	
10-SEP-90 19:16:24		rep 1	V292	conc	-6.59 ug/l	
10-SEP-90 19:16:30		rep 1	Be313.1	conc	-0.377 ug/l	
10-SEP-90 19:16:39		rep 1	Cu324	conc	-5.15 ug/l	
10-SEP-90 19:16:53		rep 2	Ca317	conc	43057 ug/l	
10-SEP-90 19:16:59		rep 2	Sb206	conc	58.03 ug/l	
10-SEP-90 19:17:05		rep 2	Ag328	conc	5.158 ug/l	
10-SEP-90 19:17:07		rep 2	Zn213	conc	10.50 ug/l	
10-SEP-90 19:17:15		rep 2	Al396	conc	-202.3 ug/l	
10-SEP-90 19:17:17		rep 2	Pb220	conc	52.19 ug/l	
10-SEP-90 19:17:22		rep 2	Ba455	conc	8.73 ug/l	
10-SEP-90 19:17:26		rep 2	Cd226	conc	-1.936 ug/l	window edge
10-SEP-90 19:17:31		rep 2	Co238	conc	8.01 ug/l	
10-SEP-90 19:17:34		rep 2	Na589	conc	1070 ug/l	
10-SEP-90 19:17:36		rep 2	Ni231	conc	19.48 ug/l	
10-SEP-90 19:17:42		rep 2	Mn257	conc	17.98 ug/l	
10-SEP-90 19:17:47		rep 2	Fe259	conc	104.30 ug/l	
10-SEP-90 19:17:50		rep 2	K766	conc	3316 ug/l	
10-SEP-90 19:17:57		rep 2	Cr267	conc	0.31 ug/l	window edge
10-SEP-90 19:18:06		rep 2	Mg279	conc	1416.7 ug/l	
10-SEP-90 19:18:13		rep 2	V292	conc	11.35 ug/l	
10-SEP-90 19:18:18		rep 2	Be313.1	conc	-0.610 ug/l	
10-SEP-90 19:18:28		rep 2	Cu324	conc	1.34 ug/l	
10-SEP-90 19:20:05	120098	rep 1	Ca317	conc	-939 ug/l	
10-SEP-90 19:20:11		rep 1	Sb206	conc	8.97 ug/l	
10-SEP-90 19:20:16		rep 1	Ag328	conc	2.770 ug/l	
10-SEP-90 19:20:18		rep 1	Zn213	conc	9.81 ug/l	
10-SEP-90 19:20:27		rep 1	Al396	conc	-196.7 ug/l	
10-SEP-90 19:20:28		rep 1	Pb220	conc	-39.64 ug/l	window edge
10-SEP-90 19:20:34		rep 1	Ba455	conc	2.85 ug/l	
10-SEP-90 19:20:38		rep 1	Cd226	conc	2.472 ug/l	
10-SEP-90 19:20:42		rep 1	Co238	conc	13.00 ug/l	

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₁₉
10-SEP-90 15:51

10-SEP-90 19:20:44		rep 1	Na589	conc	-3631 ug/L	
10-SEP-90 19:20:47		rep 1	Ni231	conc	22.74 ug/L	
10-SEP-90 19:20:53		rep 1	Mn257	conc	-0.58 ug/L	
10-SEP-90 19:20:58		rep 1	Fe259	conc	24.78 ug/L	
10-SEP-90 19:21:00		rep 1	K766	conc	2556 ug/L	
10-SEP-90 19:21:08		rep 1	Cr267	conc	3.56 ug/L	
10-SEP-90 19:21:17		rep 1	Mg279	conc	-58.2 ug/L	window edge
10-SEP-90 19:21:23		rep 1	V292	conc	11.72 ug/L	
10-SEP-90 19:21:29		rep 1	Be313.1	conc	-0.447 ug/L	
10-SEP-90 19:21:38		rep 1	Cu324	conc	10.26 ug/L	
10-SEP-90 19:21:52		rep 2	Ca317	conc	-947 ug/L	
10-SEP-90 19:21:58		rep 2	Sb206	conc	95.37 ug/L	
10-SEP-90 19:22:03		rep 2	Zn213	conc	13.42 ug/L	
10-SEP-90 19:22:06		rep 2	Ag328	conc	3.480 ug/L	
10-SEP-90 19:22:13		rep 2	Pb220	conc	-8.35 ug/L	
10-SEP-90 19:22:16		rep 2	Al396	conc	-221.2 ug/L	
10-SEP-90 19:22:23		rep 2	Cd226	conc	-0.965 ug/L	
10-SEP-90 19:22:25		rep 2	Ba455	conc	2.80 ug/L	
10-SEP-90 19:22:27		rep 2	Co238	conc	-6.69 ug/L	window edge
10-SEP-90 19:22:32		rep 2	Ni231	conc	29.41 ug/L	
10-SEP-90 19:22:35		rep 2	Na589	conc	-3706 ug/L	
10-SEP-90 19:22:38		rep 2	Mn257	conc	-1.60 ug/L	
10-SEP-90 19:22:43		rep 2	Fe259	conc	28.45 ug/L	
10-SEP-90 19:22:51		rep 2	K766	conc	1961 ug/L	
10-SEP-90 19:22:53		rep 2	Cr267	conc	-1.78 ug/L	
10-SEP-90 19:23:02		rep 2	Mg279	conc	30.3 ug/L	
10-SEP-90 19:23:22		rep 2	V292	conc	0.92 ug/L	
10-SEP-90 19:23:23		rep 2	Be313.1	conc	-0.636 ug/L	
10-SEP-90 19:23:23	120099	rep 2	Cu324	conc	6.22 ug/L	
10-SEP-90 19:24:59		rep 1	Ca317	conc	43520 ug/L	
10-SEP-90 19:25:05		rep 1	Sb206	conc	53.08 ug/L	
10-SEP-90 19:25:10		rep 1	Zn213	conc	4.93 ug/L	window edge
10-SEP-90 19:25:12		rep 1	Ag328	conc	-2.864 ug/L	
10-SEP-90 19:25:20		rep 1	Pb220	conc	-9.03 ug/L	
10-SEP-90 19:25:23		rep 1	Al396	conc	-269.3 ug/L	
10-SEP-90 19:25:29		rep 1	Ba455	conc	8.14 ug/L	
10-SEP-90 19:25:31		rep 1	Cd226	conc	0.508 ug/L	
10-SEP-90 19:25:36		rep 1	Co238	conc	-15.13 ug/L	window edge
10-SEP-90 19:25:40		rep 1	Na589	conc	1108 ug/L	
10-SEP-90 19:25:42		rep 1	Ni231	conc	14.58 ug/L	
10-SEP-90 19:25:47		rep 1	Mn257	conc	15.72 ug/L	
10-SEP-90 19:25:52		rep 1	Fe259	conc	99.86 ug/L	
10-SEP-90 19:25:56		rep 1	K766	conc	3140 ug/L	
10-SEP-90 19:26:02		rep 1	Cr267	conc	-2.86 ug/L	
10-SEP-90 19:26:11		rep 1	Mg279	conc	1474.4 ug/L	
10-SEP-90 19:26:17		rep 1	V292	conc	16.76 ug/L	
10-SEP-90 19:26:23		rep 1	Be313.1	conc	-1.261 ug/L	
10-SEP-90 19:26:32		rep 1	Cu324	conc	16.22 ug/L	
10-SEP-90 19:26:46		rep 2	Ca317	conc	44057 ug/L	
10-SEP-90 19:26:52		rep 2	Sb206	conc	35.39 ug/L	
10-SEP-90 19:26:58		rep 2	Ag328	conc	1.040 ug/L	
10-SEP-90 19:27:00		rep 2	Zn213	conc	8.49 ug/L	
10-SEP-90 19:27:08		rep 2	Al396	conc	-243.7 ug/L	
10-SEP-90 19:27:10		rep 2	Pb220	conc	11.32 ug/L	
10-SEP-90 19:27:15		rep 2	Ba455	conc	8.85 ug/L	
10-SEP-90 19:27:19		rep 2	Cd226	conc	-4.181 ug/L	window edge
10-SEP-90 19:27:25		rep 2	Na589	conc	892 ug/L	
10-SEP-90 19:27:27		rep 2	Co238	conc	0.68 ug/L	
10-SEP-90 19:27:32		rep 2	Ni231	conc	6.70 ug/L	
10-SEP-90 19:27:38		rep 2	Mn257	conc	14.22 ug/L	
10-SEP-90 19:27:41		rep 2	K766	conc	2595 ug/L	
10-SEP-90 19:27:44		rep 2	Fe259	conc	97.95 ug/L	
10-SEP-90 19:27:53		rep 2	Cr267	conc	2.95 ug/L	
10-SEP-90 19:28:03		rep 2	Mg279	conc	1630.5 ug/L	
10-SEP-90 19:28:09		rep 2	V292	conc	5.14 ug/L	
10-SEP-90 19:28:15		rep 2	Be313.1	conc	-0.556 ug/L	
10-SEP-90 19:28:25		rep 2	Cu324	conc	-0.55 ug/L	
10-SEP-90 19:30:00	120100	rep 1	Ca317	conc	22204 ug/L	
10-SEP-90 19:30:05		rep 1	Sb206	conc	-3.57 ug/L	window edge
10-SEP-90 19:30:11		rep 1	Zn213	conc	14.45 ug/L	
10-SEP-90 19:30:13		rep 1	Ag328	conc	-6.410 ug/L	window edge
10-SEP-90 19:30:20		rep 1	Pb220	conc	-94.44 ug/L	window edge
10-SEP-90 19:30:23		rep 1	Al396	conc	-208.3 ug/L	
10-SEP-90 19:30:30		rep 1	Cd226	conc	-1.038 ug/L	
10-SEP-90 19:30:32		rep 1	Ba455	conc	13.09 ug/L	
10-SEP-90 19:30:35		rep 1	Co238	conc	12.34 ug/L	
10-SEP-90 19:30:40		rep 1	Ni231	conc	19.73 ug/L	
10-SEP-90 19:30:42		rep 1	Na589	conc	-96 ug/L	
10-SEP-90 19:30:46		rep 1	Mn257	conc	7.93 ug/L	
10-SEP-90 19:30:51		rep 1	Fe259	conc	60.15 ug/L	
10-SEP-90 19:30:58		rep 1	K766	conc	2566 ug/L	
10-SEP-90 19:31:00		rep 1	Cr267	conc	2.76 ug/L	
10-SEP-90 19:31:09		rep 1	Mg279	conc	1067.1 ug/L	
10-SEP-90 19:31:15		rep 1	V292	conc	14.87 ug/L	
10-SEP-90 19:31:21		rep 1	Be313.1	conc	-0.868 ug/L	
10-SEP-90 19:31:31		rep 1	Cu324	conc	5.46 ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₂₀
10-SEP-90 15:51

10-SEP-90 19:31:45	rep 2	Ca317	conc	22550 ug/l	
10-SEP-90 19:31:51	rep 2	Sb206	conc	-40.33 ug/l	window edge
10-SEP-90 19:31:56	rep 2	Ag328	conc	6.680 ug/l	
10-SEP-90 19:31:58	rep 2	Zn213	conc	10.33 ug/l	
10-SEP-90 19:32:07	rep 2	Al396	conc	-174.5 ug/l	
10-SEP-90 19:32:09	rep 2	Pb220	conc	19.39 ug/l	
10-SEP-90 19:32:14	rep 2	Ba455	conc	13.86 ug/l	
10-SEP-90 19:32:18	rep 2	Cd226	conc	2.956 ug/l	
10-SEP-90 19:32:24	rep 2	Co238	conc	6.43 ug/l	
10-SEP-90 19:32:26	rep 2	Na589	conc	73 ug/l	
10-SEP-90 19:32:29	rep 2	Ni231	conc	-8.33 ug/l	window edge
10-SEP-90 19:32:35	rep 2	Mn257	conc	9.16 ug/l	
10-SEP-90 19:32:41	rep 2	Fe259	conc	62.66 ug/l	
10-SEP-90 19:32:43	rep 2	K766	conc	3084 ug/l	
10-SEP-90 19:32:50	rep 2	Cr267	conc	3.47 ug/l	
10-SEP-90 19:32:59	rep 2	Mg279	conc	1170.1 ug/l	
10-SEP-90 19:33:05	rep 2	V292	conc	-0.35 ug/l	
10-SEP-90 19:33:11	rep 2	Be313.1	conc	-0.737 ug/l	window edge
10-SEP-90 19:33:20	rep 2	Cu324	conc	6.20 ug/l	
10-SEP-90 19:34:54	rep 1	Ca317	conc	259618 ug/l	
10-SEP-90 19:34:59	rep 1	Sb206	conc	-68.21 ug/l	window edge
10-SEP-90 19:35:05	rep 1	Ag328	conc	1.181 ug/l	window edge
10-SEP-90 19:35:06	rep 1	Zn213	conc	23.19 ug/l	window edge
10-SEP-90 19:35:15	rep 1	Al396	conc	-309.9 ug/l	
10-SEP-90 19:35:17	rep 1	Pb220	conc	40.08 ug/l	
10-SEP-90 19:35:22	rep 1	Ba455	conc	44.36 ug/l	
10-SEP-90 19:35:26	rep 1	Cd226	conc	6.680 ug/l	
10-SEP-90 19:35:31	rep 1	Co238	conc	14.32 ug/l	
10-SEP-90 19:35:33	rep 1	Na589	conc	721208 ug/l	
10-SEP-90 19:35:36	rep 1	Ni231	conc	26.73 ug/l	
10-SEP-90 19:35:41	rep 1	Mn257	conc	294.81 ug/l	
10-SEP-90 19:35:47	rep 1	Fe259	conc	53483.91 ug/l	
10-SEP-90 19:35:49	rep 1	K766	conc	26177 ug/l	
10-SEP-90 19:35:56	rep 1	Cr267	conc	20.96 ug/l	
10-SEP-90 19:36:05	rep 1	Mg279	conc	107870.2 ug/l	
10-SEP-90 19:36:11	rep 1	V292	conc	-42.93 ug/l	window edge
10-SEP-90 19:36:17	rep 1	Be313.1	conc	-1.309 ug/l	window edge
10-SEP-90 19:36:26	rep 1	Cu324	conc	4.96 ug/l	
10-SEP-90 19:36:41	rep 2	Ca317	conc	243615 ug/l	
10-SEP-90 19:36:46	rep 2	Sb206	conc	7.00 ug/l	
10-SEP-90 19:36:52	rep 2	Ag328	conc	0.530 ug/l	
10-SEP-90 19:36:54	rep 2	Zn213	conc	22.50 ug/l	
10-SEP-90 19:37:02	rep 2	Al396	conc	-274.0 ug/l	
10-SEP-90 19:37:04	rep 2	Pb220	conc	5.47 ug/l	
10-SEP-90 19:37:09	rep 2	Ba455	conc	44.28 ug/l	
10-SEP-90 19:37:14	rep 2	Cd226	conc	5.150 ug/l	
10-SEP-90 19:37:18	rep 2	Co238	conc	-1.87 ug/l	
10-SEP-90 19:37:21	rep 2	Na589	conc	685643 ug/l	
10-SEP-90 19:37:23	rep 2	Ni231	conc	22.73 ug/l	
10-SEP-90 19:37:29	rep 2	Mn257	conc	321.61 ug/l	
10-SEP-90 19:37:34	rep 2	Fe259	conc	56296.25 ug/l	
10-SEP-90 19:37:37	rep 2	K766	conc	27436 ug/l	
10-SEP-90 19:37:44	rep 2	Cr267	conc	14.70 ug/l	
10-SEP-90 19:37:52	rep 2	Mg279	conc	106249.3 ug/l	
10-SEP-90 19:37:59	rep 2	V292	conc	-1.47 ug/l	
10-SEP-90 19:38:05	rep 2	Be313.1	conc	-0.886 ug/l	
10-SEP-90 19:38:14	rep 2	Cu324	conc	-0.67 ug/l	
10-SEP-90 19:39:46	rep 1	Ca317	conc	49612 ug/l	
10-SEP-90 19:39:52	rep 1	Sb206	conc	984.63 ug/l	
10-SEP-90 19:39:58	rep 1	Zn213	conc	2664.22 ug/l	
10-SEP-90 19:40:00	rep 1	Ag328	conc	452.819 ug/l	
10-SEP-90 19:40:07	rep 1	Pb220	conc	4455.62 ug/l	
10-SEP-90 19:40:10	rep 1	Al396	conc	1663.0 ug/l	
10-SEP-90 19:40:17	rep 1	Cd226	conc	439.816 ug/l	
10-SEP-90 19:40:18	rep 1	Ba455	conc	1764.44 ug/l	
10-SEP-90 19:40:21	rep 1	Co238	conc	451.49 ug/l	
10-SEP-90 19:40:26	rep 1	Ni231	conc	433.32 ug/l	
10-SEP-90 19:40:29	rep 1	Na589	conc	44530 ug/l	
10-SEP-90 19:40:33	rep 1	Mn257	conc	432.33 ug/l	
10-SEP-90 19:40:38	rep 1	Fe259	conc	1771.23 ug/l	
10-SEP-90 19:40:44	rep 1	K766	conc	53068 ug/l	
10-SEP-90 19:40:47	rep 1	Cr267	conc	457.84 ug/l	
10-SEP-90 19:40:56	rep 1	Mg279	conc	22900.0 ug/l	
10-SEP-90 19:41:02	rep 1	V292	conc	422.92 ug/l	
10-SEP-90 19:41:08	rep 1	Be313.1	conc	430.149 ug/l	
10-SEP-90 19:41:17	rep 1	Cu324	conc	453.24 ug/l	
10-SEP-90 19:41:32	rep 2	Ca317	conc	48332 ug/l	
10-SEP-90 19:41:37	rep 2	Sb206	conc	812.16 ug/l	
10-SEP-90 19:41:43	rep 2	Zn213	conc	2574.33 ug/l	
10-SEP-90 19:41:45	rep 2	Ag328	conc	438.116 ug/l	
10-SEP-90 19:41:52	rep 2	Pb220	conc	4386.11 ug/l	
10-SEP-90 19:41:56	rep 2	Al396	conc	1600.9 ug/l	
10-SEP-90 19:42:01	rep 2	Cd226	conc	421.755 ug/l	
10-SEP-90 19:42:04	rep 2	Ba455	conc	1713.88 ug/l	
10-SEP-90 19:42:06	rep 2	Co238	conc	408.52 ug/l	
10-SEP-90 19:42:11	rep 2	Ni231	conc	431.40 ug/l	

120197

120198

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₂₁

10-SEP-90 15:51

10-SEP-90 19:42:14	rep 2	Na589	conc	43101	ug/l	
10-SEP-90 19:42:17	rep 2	Mn257	conc	419.52	ug/l	
10-SEP-90 19:42:22	rep 2	Fe259	conc	1675.60	ug/l	
10-SEP-90 19:42:30	rep 2	K766	conc	50393	ug/l	
10-SEP-90 19:42:32	rep 2	Cr267	conc	425.68	ug/l	
10-SEP-90 19:42:41	rep 2	Mg279	conc	21762.1	ug/l	
10-SEP-90 19:42:47	rep 2	V292	conc	416.98	ug/l	
10-SEP-90 19:42:53	rep 2	Be313.1	conc	420.362	ug/l	
10-SEP-90 19:43:02	rep 2	Cu324	conc	441.44	ug/l	
10-SEP-90 19:44:33	rep 1	Ca317	conc	-1053	ug/l	
10-SEP-90 19:44:39	rep 1	Sb206	conc	-33.56	ug/l	window edge
10-SEP-90 19:44:44	rep 1	Ag328	conc	1.434	ug/l	
10-SEP-90 19:44:46	rep 1	Zn213	conc	8.84	ug/l	window edge
10-SEP-90 19:44:55	rep 1	Al396	conc	-235.8	ug/l	
10-SEP-90 19:44:56	rep 1	Pb220	conc	17.78	ug/l	
10-SEP-90 19:45:02	rep 1	Ba455	conc	2.92	ug/l	
10-SEP-90 19:45:06	rep 1	Cd226	conc	-2.444	ug/l	window edge
10-SEP-90 19:45:10	rep 1	Co238	conc	11.15	ug/l	
10-SEP-90 19:45:13	rep 1	Na589	conc	-3579	ug/l	
10-SEP-90 19:45:16	rep 1	Ni231	conc	10.72	ug/l	
10-SEP-90 19:45:21	rep 1	Mn257	conc	-1.40	ug/l	
10-SEP-90 19:45:26	rep 1	Fe259	conc	51.09	ug/l	
10-SEP-90 19:45:28	rep 1	K766	conc	2135	ug/l	
10-SEP-90 19:45:36	rep 1	Cr267	conc	5.56	ug/l	
10-SEP-90 19:45:45	rep 1	Mg279	conc	-113.3	ug/l	window edge
10-SEP-90 19:45:51	rep 1	V292	conc	-31.24	ug/l	window edge
10-SEP-90 19:45:57	rep 1	Be313.1	conc	-0.727	ug/l	
10-SEP-90 19:46:06	rep 1	Cu324	conc	-5.47	ug/l	
10-SEP-90 19:46:20	rep 2	Ca317	conc	-1046	ug/l	
10-SEP-90 19:46:26	rep 2	Sb206	conc	26.42	ug/l	
10-SEP-90 19:46:31	rep 2	Ag328	conc	5.168	ug/l	
10-SEP-90 19:46:33	rep 2	Zn213	conc	10.18	ug/l	window edge
10-SEP-90 19:46:42	rep 2	Al396	conc	-245.1	ug/l	
10-SEP-90 19:46:44	rep 2	Pb220	conc	35.67	ug/l	
10-SEP-90 19:46:49	rep 2	Ba455	conc	3.86	ug/l	
10-SEP-90 19:46:53	rep 2	Cd226	conc	-0.981	ug/l	
10-SEP-90 19:46:58	rep 2	Co238	conc	-3.63	ug/l	window edge
10-SEP-90 19:47:01	rep 2	Na589	conc	-3607	ug/l	
10-SEP-90 19:47:03	rep 2	Ni231	conc	29.65	ug/l	
10-SEP-90 19:47:09	rep 2	Mn257	conc	-1.75	ug/l	
10-SEP-90 19:47:14	rep 2	Fe259	conc	59.19	ug/l	
10-SEP-90 19:47:16	rep 2	K766	conc	2079	ug/l	
10-SEP-90 19:47:23	rep 2	Cr267	conc	4.50	ug/l	
10-SEP-90 19:47:32	rep 2	Mg279	conc	113.0	ug/l	window edge
10-SEP-90 19:47:38	rep 2	V292	conc	11.23	ug/l	
10-SEP-90 19:47:44	rep 2	Be313.1	conc	-0.588	ug/l	
10-SEP-90 19:47:54	rep 2	Cu324	conc	4.34	ug/l	
10-SEP-90 19:49:23	rep 1	Ca317	conc	28	ug/l	
10-SEP-90 19:49:29	rep 1	Sb206	conc	1765.01	ug/l	
10-SEP-90 19:49:34	rep 1	Zn213	conc	489.18	ug/l	
10-SEP-90 19:49:36	rep 1	Ag328	conc	486.291	ug/l	
10-SEP-90 19:49:44	rep 1	Pb220	conc	962.82	ug/l	
10-SEP-90 19:49:47	rep 1	Al396	conc	802.8	ug/l	
10-SEP-90 19:49:53	rep 1	Cd226	conc	467.587	ug/l	
10-SEP-90 19:49:55	rep 1	Ba455	conc	475.31	ug/l	
10-SEP-90 19:49:58	rep 1	Co238	conc	486.11	ug/l	
10-SEP-90 19:50:03	rep 1	Ni231	conc	499.97	ug/l	
10-SEP-90 19:50:06	rep 1	Na589	conc	-2544	ug/l	
10-SEP-90 19:50:09	rep 1	Mn257	conc	460.01	ug/l	
10-SEP-90 19:50:14	rep 1	Fe259	conc	497.55	ug/l	
10-SEP-90 19:50:21	rep 1	K766	conc	3352	ug/l	
10-SEP-90 19:50:23	rep 1	Cr267	conc	479.72	ug/l	
10-SEP-90 19:50:32	rep 1	Mg279	conc	988.7	ug/l	
10-SEP-90 19:50:38	rep 1	V292	conc	494.48	ug/l	
10-SEP-90 19:50:44	rep 1	Be313.1	conc	473.347	ug/l	
10-SEP-90 19:50:54	rep 1	Cu324	conc	472.20	ug/l	
10-SEP-90 19:51:08	rep 2	Ca317	conc	89	ug/l	
10-SEP-90 19:51:14	rep 2	Sb206	conc	1823.59	ug/l	
10-SEP-90 19:51:19	rep 2	Ag328	conc	479.349	ug/l	
10-SEP-90 19:51:21	rep 2	Zn213	conc	480.96	ug/l	
10-SEP-90 19:51:30	rep 2	Al396	conc	781.0	ug/l	
10-SEP-90 19:51:32	rep 2	Pb220	conc	850.04	ug/l	
10-SEP-90 19:51:37	rep 2	Ba455	conc	469.77	ug/l	
10-SEP-90 19:51:41	rep 2	Cd226	conc	479.621	ug/l	
10-SEP-90 19:51:46	rep 2	Co238	conc	477.16	ug/l	
10-SEP-90 19:51:48	rep 2	Na589	conc	-2588	ug/l	
10-SEP-90 19:51:51	rep 2	Ni231	conc	509.25	ug/l	
10-SEP-90 19:51:56	rep 2	Mn257	conc	465.64	ug/l	
10-SEP-90 19:52:01	rep 2	Fe259	conc	462.05	ug/l	
10-SEP-90 19:52:04	rep 2	K766	conc	3157	ug/l	
10-SEP-90 19:52:11	rep 2	Cr267	conc	490.43	ug/l	
10-SEP-90 19:52:20	rep 2	Mg279	conc	1181.5	ug/l	
10-SEP-90 19:52:26	rep 2	V292	conc	474.22	ug/l	
10-SEP-90 19:52:32	rep 2	Be313.1	conc	476.493	ug/l	
10-SEP-90 19:52:41	rep 2	Cu324	conc	493.40	ug/l	
10-SEP-90 19:54:07	rep 1	Fe259	conc	48943.71	ug/l	

r1

CCVA(AB):3

CCVB(AB):3

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP901551
Method: EPA\NCLP

ICP2--2DS₂₂
10-SEP-90 15:51

10-SEP-90 19:54:14	rep 1	Ca317	conc	51883	ug/l	
10-SEP-90 19:54:16	rep 1	Mg279	conc	46999.3	ug/l	
10-SEP-90 19:54:25	rep 1	Al396	conc	50550.2	ug/l	
10-SEP-90 19:54:36	rep 1	Na589	conc	49176	ug/l	
10-SEP-90 19:54:52	rep 1	K766	conc	56852	ug/l	
10-SEP-90 19:54:58	rep 2	Fe259	conc	49224.98	ug/l	
10-SEP-90 19:55:05	rep 2	Ca317	conc	52404	ug/l	
10-SEP-90 19:55:07	rep 2	Mg279	conc	47695.4	ug/l	
10-SEP-90 19:55:17	rep 2	Al396	conc	51499.5	ug/l	
10-SEP-90 19:55:28	rep 2	Na589	conc	47929	ug/l	
10-SEP-90 19:55:44	rep 2	K766	conc	55845	ug/l	
10-SEP-90 19:57:19	rep 1	Ca317	conc	-1042	ug/l	
10-SEP-90 19:57:24	rep 1	Sb206	conc	73.51	ug/l	
10-SEP-90 19:57:29	rep 1	Zn213	conc	7.35	ug/l	
10-SEP-90 19:57:31	rep 1	Ag328	conc	9.532	ug/l	
10-SEP-90 19:57:38	rep 1	Pb220	conc	-5.17	ug/l	
10-SEP-90 19:57:41	rep 1	Al396	conc	-247.3	ug/l	
10-SEP-90 19:57:48	rep 1	Cd226	conc	-0.545	ug/l	
10-SEP-90 19:57:49	rep 1	Ba455	conc	2.39	ug/l	
10-SEP-90 19:57:52	rep 1	Co238	conc	9.39	ug/l	
10-SEP-90 19:57:57	rep 1	Ni231	conc	22.42	ug/l	
10-SEP-90 19:58:00	rep 1	Na589	conc	-3625	ug/l	
10-SEP-90 19:58:03	rep 1	Mn257	conc	-3.03	ug/l	window edge
10-SEP-90 19:58:08	rep 1	Fe259	conc	16.28	ug/l	
10-SEP-90 19:58:15	rep 1	K766	conc	2228	ug/l	
10-SEP-90 19:58:18	rep 1	Cr267	conc	3.47	ug/l	
10-SEP-90 19:58:26	rep 1	Mg279	conc	155.8	ug/l	
10-SEP-90 19:58:33	rep 1	V292	conc	-30.98	ug/l	window edge
10-SEP-90 19:58:39	rep 1	Be313.1	conc	-0.149	ug/l	
10-SEP-90 19:58:48	rep 1	Cu324	conc	-5.21	ug/l	
10-SEP-90 19:59:03	rep 2	Ca317	conc	-1047	ug/l	
10-SEP-90 19:59:09	rep 2	Sb206	conc	-84.24	ug/l	window edge
10-SEP-90 19:59:14	rep 2	Zn213	conc	11.29	ug/l	
10-SEP-90 19:59:16	rep 2	Ag328	conc	-1.005	ug/l	
10-SEP-90 19:59:24	rep 2	Pb220	conc	-4.51	ug/l	
10-SEP-90 19:59:27	rep 2	Al396	conc	-230.0	ug/l	
10-SEP-90 19:59:33	rep 2	Cd226	conc	1.410	ug/l	
10-SEP-90 19:59:36	rep 2	Ba455	conc	2.16	ug/l	
10-SEP-90 19:59:39	rep 2	Co238	conc	18.42	ug/l	
10-SEP-90 19:59:44	rep 2	Ni231	conc	12.37	ug/l	
10-SEP-90 19:59:47	rep 2	Na589	conc	-3695	ug/l	
10-SEP-90 19:59:50	rep 2	Mn257	conc	-1.45	ug/l	
10-SEP-90 19:59:55	rep 2	Fe259	conc	14.61	ug/l	
10-SEP-90 20:00:03	rep 2	K766	conc	1984	ug/l	
10-SEP-90 20:00:05	rep 2	Cr267	conc	1.60	ug/l	
10-SEP-90 20:00:14	rep 2	Mg279	conc	-91.7	ug/l	window edge
10-SEP-90 20:00:20	rep 2	V292	conc	3.15	ug/l	
10-SEP-90 20:00:26	rep 2	Be313.1	conc	-0.184	ug/l	
10-SEP-90 20:00:35	rep 2	Cu324	conc	4.36	ug/l	
10-SEP-90 20:02:00	rep 1	Ca317	conc	506517	ug/l	
10-SEP-90 20:02:05	rep 1	Sb206	conc	15.45	ug/l	
10-SEP-90 20:02:11	rep 1	Ag328	conc	2.114	ug/l	
10-SEP-90 20:02:12	rep 1	Zn213	conc	36.06	ug/l	
10-SEP-90 20:02:22	rep 1	Pb220	conc	-81.77	ug/l	window edge
10-SEP-90 20:02:23	rep 1	Al396	conc	484329.3	ug/l	
10-SEP-90 20:02:30	rep 1	Ba455	conc	4.32	ug/l	
10-SEP-90 20:02:32	rep 1	Cd226	conc	20.970	ug/l	
10-SEP-90 20:02:36	rep 1	Co238	conc	17.55	ug/l	
10-SEP-90 20:02:40	rep 1	Na589	conc	-3546	ug/l	
10-SEP-90 20:02:42	rep 1	Ni231	conc	26.68	ug/l	
10-SEP-90 20:02:47	rep 1	Mn257	conc	17.60	ug/l	
10-SEP-90 20:02:53	rep 1	Fe259	conc	183369.33	ug/l	
10-SEP-90 20:02:56	rep 1	K766	conc	2006	ug/l	
10-SEP-90 20:03:02	rep 1	Cr267	conc	44.60	ug/l	
10-SEP-90 20:03:11	rep 1	Mg279	conc	457956.4	ug/l	
10-SEP-90 20:03:17	rep 1	V292	conc	-0.13	ug/l	
10-SEP-90 20:03:23	rep 1	Be313.1	conc	-1.243	ug/l	window edge
10-SEP-90 20:03:32	rep 1	Cu324	conc	11.22	ug/l	
10-SEP-90 20:03:47	rep 2	Ca317	conc	503050	ug/l	
10-SEP-90 20:03:53	rep 2	Sb206	conc	-7.69	ug/l	
10-SEP-90 20:03:59	rep 2	Ag328	conc	2.459	ug/l	
10-SEP-90 20:04:01	rep 2	Zn213	conc	34.14	ug/l	
10-SEP-90 20:04:10	rep 2	Al396	conc	482930.7	ug/l	
10-SEP-90 20:04:12	rep 2	Pb220	conc	-170.84	ug/l	window edge
10-SEP-90 20:04:17	rep 2	Ba455	conc	4.22	ug/l	
10-SEP-90 20:04:21	rep 2	Cd226	conc	18.023	ug/l	
10-SEP-90 20:04:26	rep 2	Co238	conc	16.65	ug/l	
10-SEP-90 20:04:29	rep 2	Na589	conc	-3599	ug/l	
10-SEP-90 20:04:31	rep 2	Ni231	conc	22.50	ug/l	
10-SEP-90 20:04:37	rep 2	Mn257	conc	15.58	ug/l	
10-SEP-90 20:04:42	rep 2	Fe259	conc	185845.92	ug/l	
10-SEP-90 20:04:44	rep 2	K766	conc	2252	ug/l	
10-SEP-90 20:04:51	rep 2	Cr267	conc	44.74	ug/l	
10-SEP-90 20:05:00	rep 2	Mg279	conc	471355.3	ug/l	
10-SEP-90 20:05:06	rep 2	V292	conc	-14.05	ug/l	
10-SEP-90 20:05:12	rep 2	Be313.1	conc	-0.482	ug/l	

CCB:3

ICSA(AC):2

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP901551
Method: EPAINCLP

ICP2--2DS₂₃

10-SEP-90 15:51

10-SEP-90 20:05:21		rep 2	Cu324	conc	17.43 ug/l
10-SEP-90 20:06:47	ICSAB(AD)2:2	rep 1	Ca317	conc	490478 ug/l
10-SEP-90 20:06:52		rep 1	Sb206	conc	906.28 ug/l
10-SEP-90 20:06:58		rep 1	Zn213	conc	911.25 ug/l
10-SEP-90 20:06:59		rep 1	Ag328	conc	900.169 ug/l
10-SEP-90 20:07:07		rep 1	Pb220	conc	829.64 ug/l
10-SEP-90 20:07:10		rep 1	Al396	conc	489094.6 ug/l
10-SEP-90 20:07:16		rep 1	Cd226	conc	847.029 ug/l
10-SEP-90 20:07:18		rep 1	Ba455	conc	449.43 ug/l
10-SEP-90 20:07:21		rep 1	Co238	conc	404.42 ug/l
10-SEP-90 20:07:27		rep 1	Ni231	conc	833.15 ug/l
10-SEP-90 20:07:29		rep 1	Na589	conc	-3531 ug/l
10-SEP-90 20:07:32		rep 1	Mn257	conc	473.39 ug/l
10-SEP-90 20:07:37		rep 1	Fe259	conc	188185.77 ug/l
10-SEP-90 20:07:45		rep 1	K766	conc	2440 ug/l
10-SEP-90 20:07:47		rep 1	Cr267	conc	488.71 ug/l
10-SEP-90 20:07:56		rep 1	Mg279	conc	464381.8 ug/l
10-SEP-90 20:08:02		rep 1	V292	conc	446.30 ug/l
10-SEP-90 20:08:08		rep 1	Be313.1	conc	443.298 ug/l
10-SEP-90 20:08:17		rep 1	Cu324	conc	431.84 ug/l
10-SEP-90 20:08:32		rep 2	Ca317	conc	493416 ug/l
10-SEP-90 20:08:37		rep 2	Sb206	conc	935.92 ug/l
10-SEP-90 20:08:43		rep 2	Ag328	conc	930.555 ug/l
10-SEP-90 20:08:45		rep 2	Zn213	conc	905.30 ug/l
10-SEP-90 20:08:53		rep 2	Al396	conc	484367.9 ug/l
10-SEP-90 20:08:55		rep 2	Pb220	conc	809.61 ug/l
10-SEP-90 20:09:00		rep 2	Ba455	conc	443.97 ug/l
10-SEP-90 20:09:05		rep 2	Cd226	conc	842.838 ug/l
10-SEP-90 20:09:09		rep 2	Co238	conc	372.62 ug/l
10-SEP-90 20:09:12		rep 2	Na589	conc	-3585 ug/l
10-SEP-90 20:09:15		rep 2	Ni231	conc	830.55 ug/l
10-SEP-90 20:09:20		rep 2	Mn257	conc	459.48 ug/l
10-SEP-90 20:09:25		rep 2	Fe259	conc	190047.27 ug/l
10-SEP-90 20:09:28		rep 2	K766	conc	2088 ug/l
10-SEP-90 20:09:35		rep 2	Cr267	conc	472.92 ug/l
10-SEP-90 20:09:44		rep 2	Mg279	conc	461336.6 ug/l
10-SEP-90 20:09:50		rep 2	V292	conc	415.22 ug/l
10-SEP-90 20:09:56		rep 2	Be313.1	conc	434.472 ug/l
10-SEP-90 20:10:05		rep 2	Cu324	conc	425.95 ug/l
10-SEP-90 20:11:36	CRI(AE):2	rep 1	Ca317	conc	-941 ug/l
10-SEP-90 20:11:42		rep 1	Sb206	conc	170.96 ug/l
10-SEP-90 20:11:47		rep 1	Ag328	conc	19.715 ug/l
10-SEP-90 20:11:49		rep 1	Zn213	conc	46.90 ug/l
10-SEP-90 20:11:58		rep 1	Al396	conc	142.9 ug/l
10-SEP-90 20:12:00		rep 1	Pb220	conc	206.83 ug/l
10-SEP-90 20:12:05		rep 1	Ba455	conc	41.39 ug/l
10-SEP-90 20:12:09		rep 1	Cd226	conc	9.165 ug/l
10-SEP-90 20:12:14		rep 1	Co238	conc	99.65 ug/l
10-SEP-90 20:12:16		rep 1	Na589	conc	-3872 ug/l
10-SEP-90 20:12:20		rep 1	Ni231	conc	84.90 ug/l
10-SEP-90 20:12:25		rep 1	Mn257	conc	25.54 ug/l
10-SEP-90 20:12:30		rep 1	Fe259	conc	207.54 ug/l
10-SEP-90 20:12:32		rep 1	K766	conc	1996 ug/l
10-SEP-90 20:12:40		rep 1	Cr267	conc	29.71 ug/l
10-SEP-90 20:12:49		rep 1	Mg279	conc	192.7 ug/l
10-SEP-90 20:12:55		rep 1	V292	conc	86.08 ug/l
10-SEP-90 20:13:01		rep 1	Be313.1	conc	8.845 ug/l
10-SEP-90 20:13:10		rep 1	Cu324	conc	44.70 ug/l
10-SEP-90 20:13:24		rep 2	Ca317	conc	-984 ug/l
10-SEP-90 20:13:30		rep 2	Sb206	conc	210.19 ug/l
10-SEP-90 20:13:36		rep 2	Ag328	conc	19.637 ug/l
10-SEP-90 20:13:38		rep 2	Zn213	conc	48.15 ug/l
10-SEP-90 20:13:46		rep 2	Al396	conc	142.8 ug/l
10-SEP-90 20:13:48		rep 2	Pb220	conc	244.92 ug/l
10-SEP-90 20:13:53		rep 2	Ba455	conc	37.90 ug/l
10-SEP-90 20:13:57		rep 2	Cd226	conc	10.147 ug/l
10-SEP-90 20:14:02		rep 2	Co238	conc	98.95 ug/l
10-SEP-90 20:14:05		rep 2	Na589	conc	-3705 ug/l
10-SEP-90 20:14:07		rep 2	Ni231	conc	99.06 ug/l
10-SEP-90 20:14:13		rep 2	Mn257	conc	25.94 ug/l
10-SEP-90 20:14:18		rep 2	Fe259	conc	206.86 ug/l
10-SEP-90 20:14:21		rep 2	K766	conc	1868 ug/l
10-SEP-90 20:14:28		rep 2	Cr267	conc	23.05 ug/l
10-SEP-90 20:14:37		rep 2	Mg279	conc	147.0 ug/l
10-SEP-90 20:14:43		rep 2	V292	conc	101.35 ug/l
10-SEP-90 20:14:49		rep 2	Be313.1	conc	9.375 ug/l
10-SEP-90 20:14:59		rep 2	Cu324	conc	39.96 ug/l
10-SEP-90 20:15:48	End method EPA_INCLP				

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ETR:22840 (NEWYRK)

ICP2--2DU 5
10-SEP-90 21:10

120197 907601 : (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [XI](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ag328	23:49	1:1	0.41	0.406	<10 a	✓
Mn257	23:49	1:1	323.66	322.435	320 a	322 ✓

120198 LCS : ()

50.00 g sample to 50. ml digestate by FPC on 08-31-90 [XI](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Mn257	23:53	1:1	455.09	455.090	460 a	455.09

Ag

456.96

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.10SEP902110
Method: EPA\NCLP

ETR:22777(AQAMT)

ICP2--2DU 1
10-SEP-90 21:10

120086D1 S403I *Serial* :[SER] (Soil)

1.08 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Solids determination was not requested.

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg(as rec'd)	BITLAB Value	Notes
Ag328	22:19	1:5.00	5.79	1.072	<10 e	
Cd226	22:19	1:5.00	0.99	0.184	<5 e	<5e-2DS]
Mn257	22:19	1:5.00	400.47	74.161	74 e	
Sb206	22:19	1:5.00	96.38	17.848	<60 e	

120096D1 W403I *Serial* :[SER] (Water)

100.08 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ag328	23:16	1:5.00	-4.25	-4.249	<50 a	
Cd226	23:16	1:5.00	-7.10	-7.097	<30 a	
Mn257	23:16	1:5.00	17.07	17.056	<80 a	
Sb206	23:15	1:5.00	195.79	195.633	<300 a	

120380PB PB602 :[PBK]08/30/90 (Soil)

1.52 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Ag328	22:05	1:1	1.81	0.238	<2 f	20.827
Cd226	22:05	1:1	1.57	0.206	<0.7 f	<0.7f-2DS]
Mn257	22:05	1:1	-1.26	-0.166	<2 f	20.487
Sb206	22:05	1:1	81.49	10.722	<8 f	

120381LC LCS, SOLIDS LCS :[LCS]08/30/90 (Soil)

1.05 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Ag328	22:51	1:1	117.64	22.408	22 f	22.4
Cd226	22:54	1:20.0	324.65	61.839	62 f	
Mn257	22:55	1:20.0	1208.45	230.182	230 f	230.2
Sb206	22:54	1:1	1086.86	207.022	210 f	

120382PB PB608 :[PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ag328	22:58	1:1	0.10	0.096	<10 a	<6.3
Cd226	22:58	1:1	5.25	5.245	5.2 a	
Mn257	22:58	1:1	-0.05	-0.055	<20 a	<3.7
Sb206	22:58	1:1	6.22	6.205	<60 a	

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

Ag 328

ICP2--2DU 1
10-SEP-90 21:10

Unweighted Linear Calibration Summary for Ag328

N= 4 Slope= 8.3508 Intrcpt= 18.98 Correlation(r)=0.999883

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	22.45	0.	0.42	-0.42	
# 1 standard	423.40	50.	48.43	1.57	3.14
# 2 standard	866.80	100.	101.53	-1.53	-1.53
# 3 standard	1686.05	200.	199.63	0.37	0.19

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	494.78	5.22	1.04	CLB.3
ICB	BLANK	-10.0	0	10	1.87	-1.87		
ICSA(AC):1	INTCK		0	999999	-1.02	1.02		
ICSAB(AD)2:1	INTCB	663.4	829	995.20	943.60	-114.60	-13.82	
CRI(AE):1	DLCK		20	999999	17.84	2.16	10.82	
CCVA(AB):1	CKSTA	450	500	550	515.34	-15.34	-3.07	
CCB:1	BLANK	-10.0	0	10	0.02	-0.02		CLB.3
CCVA(AB):2	CKSTA	450	500	550	493.16	6.84	1.37	
CCB:2	BLANK	-10.0	0	10	1.52	-1.52		CLB.3
CCVA(AB):3	CKSTA	450	500	550	462.52	37.48	7.50	
CCB:3	BLANK	-10.0	0	10	-0.92	0.92		CLB.3
ICSA(AC):2	INCKA		0	999999	-3.48	3.48		
ICSAB(AD)2:2	INTCB	663.4	829	995.20	925.88	-96.88	-11.69	
CRI(AE):2	DLCK		20	999999	8.04	11.96	59.78	

No QC failures detected for Ag328

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	1.81	1.81	
	120084	-2.92	-2.92	
	120085	-3.93	-3.93	
	120086	2.28	2.28	
5.00	120086D1	5.79	5.79	
	120086MS	48.31	48.3	
	120086DP	2.21	2.21	
	120087	-7.07	-7.07	
	120088	0.08	0.08	
	120089	-3.35	-3.35	
	120381LC	117.64	118	
20.0	120381LC	13.76	13.8	
	120382PB	0.10	0.10	
	120090	-1.06	-1.06	
	120094	2.87	2.87	
	120095	1.40	1.40	
	120096	-1.48	-1.48	
5.00	120096D1	-4.25	-4.25	
	120096MS	52.31	52.3	
	120096DP	-2.39	-2.39	
	120097	3.61	3.61	
	120098	-2.03	-2.03	
	120099	-2.06	-2.06	
	120100	-0.24	-0.24	
	120197	0.41	0.41	
	120198	456.96		
r1		2.33	2.33	

FAILS - DTLUT

OK

linear to
1500 ppb

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

Mn257

ICP2--2DU 5
10-SEP-90 21:10

Unweighted Linear Calibration Summary for Mn257

N= 5 Slope= 16.3011 Intcpt= 30.34 Correlation(r)=0.999943

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	0.70	0.	-1.82	1.82	
# 1 standard	823.45	50.	48.65	1.35	2.69
# 2 standard	1604.15	100.	96.55	3.45	3.45
# 3 standard	3417.00	200.	207.76	-7.76	-3.88
# 4 standard	16312.90	1000.	998.86	1.14	0.11

Calibration Passes % difference test(s)

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	493.10	6.90	1.38	
ICB	BLANK	-15.0	0	15	-0.08	0.08		43.7
ICSA(AC):1	INTCK		0	999999	17.93	-17.93		
ICSAB(AD):2:1	INTCB	387.7	485	581.60	491.48	-6.48	-1.34	
CRI(AE):1	DLCK		30	999999	29.27	0.73	2.42	
CCVA(AB):1	CKSTA	450	500	550	514.34	-14.34	-2.87	
CCB:1	BLANK	-15.0	0	15	0.05	-0.05		43.7
CCVA(AB):2	CKSTA	450	500	550	488.60	11.40	2.28	
CCB:2	BLANK	-15.0	0	15	-1.26	1.26		43.7
CCVA(AB):3	CKSTA	450	500	550	453.71	46.29	9.26	
CCB:3	BLANK	-15.0	0	15	-1.07	1.07		43.7
ICSA(AC):2	INTCK		0	999999	16.05	-16.05		
ICSAB(AD):2:2	INTCB	387.7	485	581.60	476.76	8.24	1.70	
CRI(AE):2	DLCK		30	999999	10.82	19.18	63.93	

No QC failures detected for Mn257

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-1.26	-1.26	
	120084	377.93	378	
	120085	601.97	602	
	120086	413.43	413	
5.00	120086D1	400.47	400	
	120086MS	1114.29		FAILS - DILUT
	120086DP	472.42	472	
	120087	580.52	581	
	120088	606.72	607	
	120089	756.32	756	
	120381LC	1145.61		FAILS - DILUT
20.0	120381LC	1208.45	1210	
	120382PB	-0.05	-0.05	
	120090	-0.66	-0.66	
	120094	20.69	20.7	
	120095	19.66	19.7	
	120096	20.10	20.1	
5.00	120096D1	17.07	17.1	
	120096MS	513.34	513	
	120096DP	17.69	17.7	
	120097	20.03	20.0	
	120098	-0.44	-0.44	
	120099	17.28	17.3	
	120100	8.52	8.52	
	120197	323.66	324	
	120198	455.09	455	
	r1	0.68	0.68	

linear to 10000ppb
3 serial worked

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.10SEP902110
Method: EPA\INCLP

ICP2--2DU 1
10-SEP-90 21:10

```

10-SEP-90 21:15:09 Begin method EPA INCLP
10-SEP-90 21:15:32 Method Name: 000Method
10-SEP-90 21:15:33 Comment:JJ0
10-SEP-90 21:15:33 Read Delay : 25 sec
10-SEP-90 21:15:33 Replicates : 2
10-SEP-90 21:15:33 Format name : comport

Analysis AS Sample ID Sequence Dilution Weight / Volume
Number Posn Name
10-SEP-90 21:15:33 1 1 wcal standard EPA_INCLP
10-SEP-90 21:15:33 2 2 blank EPA_INCLP
10-SEP-90 21:15:33 3 3 # 1 standard EPA_INCLP
10-SEP-90 21:15:33 4 4 # 2 standard EPA_INCLP
10-SEP-90 21:15:33 5 5 # 3 standard EPA_INCLP
10-SEP-90 21:15:33 6 6 # 4 standard EPA_INCLP
10-SEP-90 21:15:34 7 7 # 5 standard EPA_INCLP
10-SEP-90 21:15:34 8 8 # 6 standard EPA_INCLP
10-SEP-90 21:15:34 9 9 # 7 standard EPA_INCLP
10-SEP-90 21:15:34 10 10 # 8 standard EPA_INCLP
10-SEP-90 21:15:34 11 11 ICVA(AB) EPA_INCLP
10-SEP-90 21:15:34 12 12 ICVB(AB) EPA_INCLPA
10-SEP-90 21:15:34 13 13 ICB EPA_INCLP
10-SEP-90 21:15:34 14 14 ICSA(AC):1 EPA_INCLP
10-SEP-90 21:15:35 15 15 ICSAB(AD):2:1 EPA_INCLP
10-SEP-90 21:15:35 16 16 CRI(AE):1 EPA_INCLP
10-SEP-90 21:15:35 17 17 120380PB EPA_INCLP
10-SEP-90 21:15:35 18 18 120084 EPA_INCLP
10-SEP-90 21:15:35 19 19 120085 EPA_INCLP
10-SEP-90 21:15:35 20 20 120086 EPA_INCLP
10-SEP-90 21:15:35 21 21 120086D1 EPA_INCLP
10-SEP-90 21:15:35 22 22 120086MS EPA_INCLP
10-SEP-90 21:15:35 23 23 120086DP EPA_INCLP
10-SEP-90 21:15:35 24 24 120087 EPA_INCLP
10-SEP-90 21:15:35 25 25 120088 EPA_INCLP
10-SEP-90 21:15:36 26 26 120089 EPA_INCLP
10-SEP-90 21:15:36 27 27 CCVA(AB):1 EPA_INCLP
10-SEP-90 21:15:36 28 12 CCVB(AB):1 EPA_INCLPA
10-SEP-90 21:15:36 29 28 CCB:1 EPA_INCLP
10-SEP-90 21:15:36 30 29 120381LC EPA_INCLP
10-SEP-90 21:15:36 31 30 120381LC EPA_INCLP
10-SEP-90 21:15:36 32 31 120382PB EPA_INCLP
10-SEP-90 21:15:36 33 32 120090 EPA_INCLP
10-SEP-90 21:15:36 34 33 120094 EPA_INCLP
10-SEP-90 21:15:37 35 34 120095 EPA_INCLP
10-SEP-90 21:15:37 36 35 120096 EPA_INCLP
10-SEP-90 21:15:37 37 36 120096D1 EPA_INCLP
10-SEP-90 21:15:37 38 37 120096MS EPA_INCLP
10-SEP-90 21:15:37 39 38 120096DP EPA_INCLP
10-SEP-90 21:15:39 40 39 CCVA(AB):2 EPA_INCLP
10-SEP-90 21:15:39 41 12 CCVB(AB):2 EPA_INCLPA
10-SEP-90 21:15:39 42 40 CCB:2 EPA_INCLP
10-SEP-90 21:15:39 43 41 120097 EPA_INCLP
10-SEP-90 21:15:39 44 42 120098 EPA_INCLP
10-SEP-90 21:15:40 45 43 120099 EPA_INCLP
10-SEP-90 21:15:40 46 44 120100 EPA_INCLP
10-SEP-90 21:15:41 47 45 120197 EPA_INCLP
10-SEP-90 21:15:41 48 46 120198 EPA_INCLP
10-SEP-90 21:15:41 49 47 r1 EPA_INCLP
10-SEP-90 21:15:42 50 51 CCVA(AB):3 EPA_INCLP
10-SEP-90 21:15:42 51 12 CCVB(AB):3 EPA_INCLPA
10-SEP-90 21:15:42 52 52 CCB:3 EPA_INCLP
10-SEP-90 21:15:44 53 53 ICSA(AC):2 EPA_INCLP
10-SEP-90 21:15:44 54 54 ICSAB(AD):2:2 EPA_INCLP
10-SEP-90 21:15:44 55 16 CRI(AE):2 EPA_INCLP

10-SEP-90 21:15:44 Se196,L,0.,25.,50.,70.,,
10-SEP-90 21:15:45 PB310,L,100.53,100.,,
10-SEP-90 21:15:45 ICV-1(LX),L,100.,100.,,
10-SEP-90 21:15:45 PB316,S,1.11,200.,,
10-SEP-90 21:15:45 LCS(MD),S,1.02,200.,,
10-SEP-90 21:15:45 LCS(MD)1/20,S,1.02,200.,,20.,
10-SEP-90 21:15:45 PB318,S,1.02,200.,,
10-SEP-90 21:15:45 LCS(MF),S,1.00,200.,,
10-SEP-90 21:15:45 LCS(MF)1/20,S,1.00,200.,,20.,
10-SEP-90 21:15:45 PB323,L,100.80,100.,,
10-SEP-90 21:15:45 ICV-1(MK),L,100.43,100.,,
10-SEP-90 21:15:46 LCS(LL)1/20,S,1.0,200.,,20.,
10-SEP-90 21:15:46 PB332,S,1.19,200.,,
10-SEP-90 21:15:46 LCS(MT),S,1.0,200.,,
10-SEP-90 21:15:46 LCS(MT)1/20,S,1.,200.,,20.,
10-SEP-90 21:15:46 PB342,L,100.05,100.,,
10-SEP-90 21:16:03 ICV-1(MD),L,50.05,50.,,
10-SEP-90 21:16:03 12345678123456781234567812345678123456781234567812345678
10-SEP-90 21:16:03 ICH1 Al396.1 Ca317.1 Fe259.1 Mg279.1
10-SEP-90 21:16:03 ICD1 Ag328 1193.39 14.14 0.0 0.0

```

Still need to
Rerun
Sb, Al, Cd, Ni, Fe, K

Mg, Ag worked
1:5

1:20

1:5

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Méthod: EPAINCLP

ICP2--2DU 2
10-SEP-90 21:10

10-SEP-90 21:16:03	ICD1	Al396	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Al396.1	1.0	0.0	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Ba455	0.0	13.06	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Be313.1	0.0	35.21	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Ca317	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Ca317.1	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Co238	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:03	ICD1	Cr267	28.31	0.0	28.35	28.99		
10-SEP-90 21:16:04	ICD1	Cu324	0.0	0.0	69.88	0.0		
10-SEP-90 21:16:10	ICD1	Fe259	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Fe259.1	0.0	0.0	1.0	0.0		
10-SEP-90 21:16:10	ICD1	K766	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Mg279	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Mg279.1	0.0	0.0	0.0	1.0		
10-SEP-90 21:16:10	ICD1	Mn257	12.65	0.0	125.06	68.41		
10-SEP-90 21:16:10	ICD1	Na589	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Ni231	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Pb220	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Sb206	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	V292	0.0	0.0	0.0	0.0		
10-SEP-90 21:16:10	ICD1	Zn213	26.93	29.71	89.61	66.27		
10-SEP-90 21:17:22	wcal standard	rep 1	Ag328	em	896.0	conc 50.0000	window edge	
10-SEP-90 21:17:25		rep 1	Sb206	em	24467.9	conc 100.000		
10-SEP-90 21:17:34		rep 1	Al396	em	12302.6	conc 100.000		
10-SEP-90 21:17:37		rep 1	Cd226	em	16942.8	conc 50.0000		
10-SEP-90 21:17:45		rep 1	Mn257	em	17310.0	conc 50.0000		
10-SEP-90 21:17:49		rep 1	Na589	em	1169.0	conc 1000.00		
10-SEP-90 21:17:52		rep 1	Fe259	em	55554.9	conc 100.000		
10-SEP-90 21:18:07		rep 1	K766	em	-2267.1	conc 1000.00	window edge	
10-SEP-90 21:18:27		rep 2	Sb206	em	24512.7	conc 100.000		
10-SEP-90 21:18:32		rep 2	Ag328	em	4529.6	conc 50.0000		
10-SEP-90 21:18:38		rep 2	Cd226	em	17700.1	conc 50.0000		
10-SEP-90 21:18:44		rep 2	Al396	em	12298.2	conc 100.000		
10-SEP-90 21:18:47		rep 2	Mn257	em	17568.8	conc 50.0000		
10-SEP-90 21:18:54		rep 2	Fe259	em	55193.8	conc 100.000		
10-SEP-90 21:18:58		rep 2	Na589	em	1157.4	conc 1000.00		
10-SEP-90 21:19:16		rep 2	K766	em	20932.1	conc 1000.00		
10-SEP-90 21:20:46	blank	rep 1	Sb206	em	98.3			
10-SEP-90 21:20:50		rep 1	Ag328	em	61.7			
10-SEP-90 21:20:54		rep 1	Cd226	em	111.3			
10-SEP-90 21:21:00		rep 1	Mn257	em	6.4			
10-SEP-90 21:21:03		rep 1	Al396	em	15.3			
10-SEP-90 21:21:07		rep 1	Fe259	em	28.9			
10-SEP-90 21:21:15		rep 1	Na589	em	28.6			
10-SEP-90 21:21:31		rep 1	K766	em	105.2			
10-SEP-90 21:21:49		rep 2	Sb206	em	86.6			
10-SEP-90 21:21:53		rep 2	Ag328	em	-16.8		window edge	
10-SEP-90 21:21:57		rep 2	Cd226	em	-22.3		window edge	
10-SEP-90 21:22:03		rep 2	Mn257	em	-5.0		window edge	
10-SEP-90 21:22:07		rep 2	Al396	em	2.0			
10-SEP-90 21:22:11		rep 2	Fe259	em	15.5			
10-SEP-90 21:22:19		rep 2	Na589	em	22.7			
10-SEP-90 21:22:36		rep 2	K766	em	85.4			
10-SEP-90 21:24:03	# 1 standard	rep 1	Sb206	em	76.0	conc 100.000		
10-SEP-90 21:24:06		rep 1	Ag328	em	439.1	conc 50.0000		
10-SEP-90 21:24:11		rep 1	Cd226	em	1227.7	conc 50.0000		
10-SEP-90 21:24:16		rep 1	Al396	em	25.6	conc 100.000		
10-SEP-90 21:24:19		rep 1	Mn257	em	823.0	conc 50.0000		
10-SEP-90 21:24:24		rep 1	Fe259	em	100.7	conc 100.000		
10-SEP-90 21:24:28		rep 1	Na589	em	27.8	conc 1000.00		
10-SEP-90 21:24:44		rep 1	K766	em	58.7	conc 1000.00		
10-SEP-90 21:25:03		rep 2	Sb206	em	92.4	conc 100.000		
10-SEP-90 21:25:06		rep 2	Ag328	em	407.7	conc 50.0000		
10-SEP-90 21:25:11		rep 2	Cd226	em	1140.0	conc 50.0000		
10-SEP-90 21:25:17		rep 2	Mn257	em	823.9	conc 50.0000		
10-SEP-90 21:25:21		rep 2	Al396	em	18.3	conc 100.000		
10-SEP-90 21:25:24		rep 2	Fe259	em	124.2	conc 100.000		
10-SEP-90 21:25:32		rep 2	Na589	em	24.0	conc 1000.00		
10-SEP-90 21:25:48		rep 2	K766	em	116.1	conc 1000.00		
10-SEP-90 21:27:17	# 2 standard	rep 1	Sb206	em	120.9	conc 100.000		
10-SEP-90 21:27:20		rep 1	Ag328	em	880.8	conc 100.000		
10-SEP-90 21:27:26		rep 1	Cd226	em	2265.2	conc 100.000		
10-SEP-90 21:27:31		rep 1	Al396	em	33.9	conc 100.000		
10-SEP-90 21:27:34		rep 1	Mn257	em	1553.3	conc 100.000		
10-SEP-90 21:27:39		rep 1	Fe259	em	187.5	conc 100.000		
10-SEP-90 21:27:53		rep 2	Ag328	em	852.8	conc 100.000		
10-SEP-90 21:27:59		rep 2	Sb206	em	94.2	conc 100.000		
10-SEP-90 21:28:04		rep 2	Al396	em	28.0	conc 100.000		
10-SEP-90 21:28:08		rep 2	Cd226	em	2158.3	conc 100.000		
10-SEP-90 21:28:13		rep 2	Mn257	em	1655.0	conc 100.000		
10-SEP-90 21:28:18		rep 2	Fe259	em	179.0	conc 100.000		
10-SEP-90 21:29:43	# 3 standard	rep 1	Ag328	em	1663.2	conc 200.000		
10-SEP-90 21:29:49		rep 1	Sb206	em	156.7	conc 200.000		
10-SEP-90 21:29:55		rep 1	Al396	em	61.1	conc 200.000		
10-SEP-90 21:29:58		rep 1	Cd226	em	4607.8	conc 200.000		
10-SEP-90 21:30:04		rep 1	Mn257	em	3367.5	conc 200.000		

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU 3

10-SEP-90 21:10

10-SEP-90 21:30:09	rep 1	Fe259	em	397.0	conc	200.000
10-SEP-90 21:30:23	rep 2	Ag328	em	1708.9	conc	200.000
10-SEP-90 21:30:28	rep 2	Sb206	em	148.2	conc	200.000
10-SEP-90 21:30:33	rep 2	Al396	em	63.8	conc	200.000
10-SEP-90 21:30:37	rep 2	Cd226	em	4474.9	conc	200.000
10-SEP-90 21:30:42	rep 2	Mn257	em	3466.5	conc	200.000
10-SEP-90 21:30:47	rep 2	Fe259	em	388.3	conc	200.000
10-SEP-90 21:32:12 # 4 standard	rep 1	Al396	em	307.7	conc	1000.00
10-SEP-90 21:32:20	rep 1	Sb206	em	636.9	conc	1000.00
10-SEP-90 21:32:24	rep 1	Na589	em	90.5	conc	1000.00
10-SEP-90 21:32:27	rep 1	Mn257	em	15942.0	conc	1000.00
10-SEP-90 21:32:32	rep 1	Fe259	em	1733.8	conc	1000.00
10-SEP-90 21:32:40	rep 1	K766	em	181.4	conc	1000.00
10-SEP-90 21:32:57	rep 2	Al396	em	301.2	conc	1000.00
10-SEP-90 21:33:01	rep 2	Sb206	em	613.0	conc	1000.00
10-SEP-90 21:33:07	rep 2	Mn257	em	16683.8	conc	1000.00
10-SEP-90 21:33:11	rep 2	Na589	em	86.7	conc	1000.00
10-SEP-90 21:33:14	rep 2	Fe259	em	1729.5	conc	1000.00
10-SEP-90 21:33:27	rep 2	K766	em	207.9	conc	1000.00
10-SEP-90 21:34:58 # 5 standard	rep 1	Al396	em	1466.1	conc	5000.00
10-SEP-90 21:35:02	rep 1	Sb206	em	2896.4	conc	5000.00
10-SEP-90 21:35:07	rep 1	Fe259	em	8573.1	conc	5000.00
10-SEP-90 21:35:11	rep 1	Na589	em	326.6	conc	5000.00
10-SEP-90 21:35:27	rep 1	K766	em	603.8	conc	5000.00
10-SEP-90 21:35:44	rep 2	Al396	em	1469.1	conc	5000.00
10-SEP-90 21:35:48	rep 2	Sb206	em	2926.7	conc	5000.00
10-SEP-90 21:35:53	rep 2	Fe259	em	8608.0	conc	5000.00
10-SEP-90 21:35:58	rep 2	Na589	em	324.5	conc	5000.00
10-SEP-90 21:36:14	rep 2	K766	em	675.8	conc	5000.00
10-SEP-90 21:37:46 # 6 standard	rep 1	Al396	em	2895.8	conc	10000.0
10-SEP-90 21:37:57	rep 1	Na589	em	615.9	conc	10000.0
10-SEP-90 21:38:14	rep 1	K766	em	1278.6	conc	10000.0
10-SEP-90 21:38:31	rep 2	Al396	em	2925.5	conc	10000.0
10-SEP-90 21:38:42	rep 2	Na589	em	629.2	conc	10000.0
10-SEP-90 21:38:59	rep 2	K766	em	1344.9	conc	10000.0
10-SEP-90 21:40:32 # 7 standard	rep 1	Al396	em	13546.3	conc	50000.0
10-SEP-90 21:40:43	rep 1	Na589	em	2963.5	conc	50000.0
10-SEP-90 21:41:00	rep 1	K766	em	3105.3	conc	50000.0
10-SEP-90 21:41:17	rep 2	Al396	em	13642.3	conc	50000.0
10-SEP-90 21:41:28	rep 2	Na589	em	3015.1	conc	50000.0
10-SEP-90 21:41:44	rep 2	K766	em	3122.1	conc	50000.0
10-SEP-90 21:43:14 # 8 standard	rep 1	Na589	em	28422.1	conc	500000.0
10-SEP-90 21:43:31	rep 1	K766	em	12383.1	conc	100000.0
10-SEP-90 21:43:45	rep 2	Na589	em	27902.0	conc	500000.0
10-SEP-90 21:44:01	rep 2	K766	em	12411.1	conc	100000.0
10-SEP-90 21:45:37 ICVA(AB)	rep 1	Sb206	conc	1988.70	ug/l	
10-SEP-90 21:45:41	rep 1	Ag328	conc	484.163	ug/l	
10-SEP-90 21:45:46	rep 1	Cd226	conc	475.585	ug/l	
10-SEP-90 21:45:51	rep 1	Al396	conc	898.2	ug/l	
10-SEP-90 21:45:54	rep 1	Mn257	conc	489.65	ug/l	
10-SEP-90 21:45:59	rep 1	Fe259	conc	543.12	ug/l	
10-SEP-90 21:46:03	rep 1	Na589	conc	502	ug/l	
10-SEP-90 21:46:19	rep 1	K766	conc	3692	ug/l	
10-SEP-90 21:46:37	rep 2	Sb206	conc	1990.49	ug/l	
10-SEP-90 21:46:41	rep 2	Ag328	conc	505.402	ug/l	
10-SEP-90 21:46:46	rep 2	Cd226	conc	483.422	ug/l	
10-SEP-90 21:46:51	rep 2	Mn257	conc	496.55	ug/l	
10-SEP-90 21:46:55	rep 2	Al396	conc	913.8	ug/l	
10-SEP-90 21:46:58	rep 2	Fe259	conc	541.05	ug/l	
10-SEP-90 21:47:06	rep 2	Na589	conc	576	ug/l	
10-SEP-90 21:47:22	rep 2	K766	conc	3348	ug/l	
10-SEP-90 21:48:48 ICVB(AB)	rep 1	Fe259	conc	51486.79	ug/l	
10-SEP-90 21:48:59	rep 1	Al396	conc	52064.7	ug/l	
10-SEP-90 21:49:10	rep 1	Na589	conc	53236	ug/l	
10-SEP-90 21:49:26	rep 1	K766	conc	58238	ug/l	
10-SEP-90 21:49:32	rep 2	Fe259	conc	52043.61	ug/l	
10-SEP-90 21:49:42	rep 2	Al396	conc	53082.3	ug/l	
10-SEP-90 21:49:53	rep 2	Na589	conc	53754	ug/l	
10-SEP-90 21:50:09	rep 2	K766	conc	59585	ug/l	
10-SEP-90 21:51:49 ICB	rep 1	Sb206	conc	37.03	ug/l	
10-SEP-90 21:51:52	rep 1	Ag328	conc	2.702	ug/l	
10-SEP-90 21:51:58	rep 1	Cd226	conc	1.357	ug/l	
10-SEP-90 21:52:03	rep 1	Al396	conc	-141.0	ug/l	
10-SEP-90 21:52:06	rep 1	Mn257	conc	-0.93	ug/l	
10-SEP-90 21:52:11	rep 1	Fe259	conc	2.07	ug/l	
10-SEP-90 21:52:15	rep 1	Na589	conc	-740	ug/l	
10-SEP-90 21:52:31	rep 1	K766	conc	2748	ug/l	
10-SEP-90 21:52:49	rep 2	Sb206	conc	-58.65	ug/l	
10-SEP-90 21:52:53	rep 2	Ag328	conc	1.034	ug/l	
10-SEP-90 21:52:58	rep 2	Cd226	conc	2.159	ug/l	
10-SEP-90 21:53:04	rep 2	Al396	conc	-165.1	ug/l	
10-SEP-90 21:53:07	rep 2	Mn257	conc	0.77	ug/l	
10-SEP-90 21:53:12	rep 2	Fe259	conc	2.14	ug/l	
10-SEP-90 21:53:16	rep 2	Na589	conc	-790	ug/l	
10-SEP-90 21:53:32	rep 2	K766	conc	2384	ug/l	
10-SEP-90 21:55:12 ICVA(AC):1	rep 1	Sb206	conc	37.64	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU 4

10-SEP-90 21:10

10-SEP-90 21:55:15	rep 1	Ag328	conc	-3.982	ug/L	
10-SEP-90 21:55:20	rep 1	Cd226	conc	22.273	ug/L	
10-SEP-90 21:55:26	rep 1	Al396	conc	504503.2	ug/L	
10-SEP-90 21:55:29	rep 1	Mn257	conc	18.03	ug/L	
10-SEP-90 21:55:34	rep 1	Fe259	conc	198694.33	ug/L	
10-SEP-90 21:55:38	rep 1	Na589	conc	-635	ug/L	
10-SEP-90 21:55:54	rep 1	K766	conc	2281	ug/L	
10-SEP-90 21:56:12	rep 2	Sb206	conc	-44.96	ug/L	
10-SEP-90 21:56:16	rep 2	Ag328	conc	1.937	ug/L	
10-SEP-90 21:56:20	rep 2	Cd226	conc	23.931	ug/L	
10-SEP-90 21:56:26	rep 2	Al396	conc	507306.8	ug/L	
10-SEP-90 21:56:30	rep 2	Mn257	conc	17.83	ug/L	
10-SEP-90 21:56:35	rep 2	Fe259	conc	202709.37	ug/L	
10-SEP-90 21:56:39	rep 2	Na589	conc	-645	ug/L	
10-SEP-90 21:56:55	rep 2	K766	conc	2423	ug/L	
10-SEP-90 21:58:36	ICSAB(AD)2:1 rep 1	Sb206	conc	900.38	ug/L	
10-SEP-90 21:58:39	rep 1	Ag328	conc	953.495	ug/L	
10-SEP-90 21:58:45	rep 1	Cd226	conc	877.027	ug/L	
10-SEP-90 21:58:50	rep 1	Al396	conc	496584.2	ug/L	
10-SEP-90 21:58:53	rep 1	Mn257	conc	493.21	ug/L	
10-SEP-90 21:58:58	rep 1	Fe259	conc	197771.09	ug/L	
10-SEP-90 21:59:03	rep 1	Na589	conc	-620	ug/L	
10-SEP-90 21:59:18	rep 1	K766	conc	1885	ug/L	window edge
10-SEP-90 21:59:36	rep 2	Sb206	conc	927.83	ug/L	
10-SEP-90 21:59:40	rep 2	Ag328	conc	933.706	ug/L	
10-SEP-90 21:59:46	rep 2	Cd226	conc	887.227	ug/L	
10-SEP-90 21:59:51	rep 2	Al396	conc	506815.5	ug/L	
10-SEP-90 21:59:54	rep 2	Mn257	conc	489.76	ug/L	
10-SEP-90 21:59:59	rep 2	Fe259	conc	206409.98	ug/L	
10-SEP-90 22:00:04	rep 2	Na589	conc	-563	ug/L	
10-SEP-90 22:00:20	rep 2	K766	conc	3584	ug/L	
10-SEP-90 22:02:01	CRI(AE):1 rep 1	Sb206	conc	80.42	ug/L	
10-SEP-90 22:02:04	rep 1	Ag328	conc	17.949	ug/L	
10-SEP-90 22:02:10	rep 1	Cd226	conc	11.666	ug/L	
10-SEP-90 22:02:15	rep 1	Al396	conc	281.6	ug/L	
10-SEP-90 22:02:18	rep 1	Mn257	conc	29.64	ug/L	
10-SEP-90 22:02:23	rep 1	Fe259	conc	227.49	ug/L	
10-SEP-90 22:02:27	rep 1	Na589	conc	-788	ug/L	
10-SEP-90 22:02:43	rep 1	K766	conc	1979	ug/L	window edge
10-SEP-90 22:03:01	rep 2	Sb206	conc	121.38	ug/L	
10-SEP-90 22:03:05	rep 2	Ag328	conc	17.725	ug/L	
10-SEP-90 22:03:09	rep 2	Cd226	conc	10.014	ug/L	
10-SEP-90 22:03:15	rep 2	Mn257	conc	28.91	ug/L	
10-SEP-90 22:03:19	rep 2	Al396	conc	239.1	ug/L	
10-SEP-90 22:03:22	rep 2	Fe259	conc	220.92	ug/L	
10-SEP-90 22:03:30	rep 2	Na589	conc	-704	ug/L	
10-SEP-90 22:03:46	rep 2	K766	conc	2559	ug/L	
10-SEP-90 22:05:27	120380PB rep 1	Sb206	conc	-148.13	ug/L	window edge
10-SEP-90 22:05:31	rep 1	Ag328	conc	1.467	ug/L	
10-SEP-90 22:05:36	rep 1	Cd226	conc	-0.206	ug/L	
10-SEP-90 22:05:41	rep 1	Al396	conc	-183.8	ug/L	
10-SEP-90 22:05:44	rep 1	Mn257	conc	-0.89	ug/L	
10-SEP-90 22:05:49	rep 1	Fe259	conc	-6.20	ug/L	
10-SEP-90 22:05:53	rep 1	Na589	conc	-790	ug/L	
10-SEP-90 22:06:09	rep 1	K766	conc	2475	ug/L	
10-SEP-90 22:06:27	rep 2	Sb206	conc	-14.85	ug/L	
10-SEP-90 22:06:31	rep 2	Ag328	conc	2.146	ug/L	
10-SEP-90 22:06:36	rep 2	Cd226	conc	-2.924	ug/L	
10-SEP-90 22:06:41	rep 2	Mn257	conc	-1.64	ug/L	window edge
10-SEP-90 22:06:45	rep 2	Al396	conc	-172.6	ug/L	
10-SEP-90 22:06:48	rep 2	Fe259	conc	-0.32	ug/L	
10-SEP-90 22:06:56	rep 2	Na589	conc	-781	ug/L	
10-SEP-90 22:07:12	rep 2	K766	conc	2234	ug/L	
10-SEP-90 22:08:56	120084 rep 1	Sb206	conc	-53.57	ug/L	
10-SEP-90 22:08:59	rep 1	Ag328	conc	0.703	ug/L	
10-SEP-90 22:09:04	rep 1	Cd226	conc	0.870	ug/L	
10-SEP-90 22:09:09	rep 1	Al396	conc	14753.1	ug/L	
10-SEP-90 22:09:12	rep 1	Mn257	conc	380.12	ug/L	
10-SEP-90 22:09:17	rep 1	Fe259	conc	15238.18	ug/L	
10-SEP-90 22:09:21	rep 1	Na589	conc	-332	ug/L	
10-SEP-90 22:09:37	rep 1	K766	conc	4222	ug/L	
10-SEP-90 22:09:56	rep 2	Sb206	conc	18.96	ug/L	
10-SEP-90 22:10:00	rep 2	Ag328	conc	-6.543	ug/L	window edge
10-SEP-90 22:10:04	rep 2	Cd226	conc	4.816	ug/L	
10-SEP-90 22:10:10	rep 2	Al396	conc	14722.3	ug/L	
10-SEP-90 22:10:14	rep 2	Mn257	conc	375.74	ug/L	
10-SEP-90 22:10:19	rep 2	Fe259	conc	14960.63	ug/L	
10-SEP-90 22:10:23	rep 2	Na589	conc	-364	ug/L	
10-SEP-90 22:10:39	rep 2	K766	conc	4842	ug/L	
10-SEP-90 22:12:24	120085 rep 1	Sb206	conc	-36.47	ug/L	window edge
10-SEP-90 22:12:27	rep 1	Ag328	conc	-3.122	ug/L	
10-SEP-90 22:12:33	rep 1	Cd226	conc	3.391	ug/L	
10-SEP-90 22:12:38	rep 1	Al396	conc	21395.6	ug/L	
10-SEP-90 22:12:41	rep 1	Mn257	conc	598.07	ug/L	
10-SEP-90 22:12:46	rep 1	Fe259	conc	18208.30	ug/L	
10-SEP-90 22:12:50	rep 1	Na589	conc	351	ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU 5

10-SEP-90 21:10

10-SEP-90 22:13:06	rep 1	K766	conc	5500	ug/l	
10-SEP-90 22:13:24	rep 2	Sb206	conc	-78.66	ug/l	
10-SEP-90 22:13:28	rep 2	Ag328	conc	-4.740	ug/l	
10-SEP-90 22:13:33	rep 2	Cd226	conc	3.828	ug/l	
10-SEP-90 22:13:38	rep 2	Mn257	conc	605.87	ug/l	
10-SEP-90 22:13:42	rep 2	Al396	conc	21598.4	ug/l	
10-SEP-90 22:13:45	rep 2	Fe259	conc	17818.38	ug/l	
10-SEP-90 22:13:53	rep 2	Na589	conc	317	ug/l	
10-SEP-90 22:14:09	rep 2	K766	conc	5326	ug/l	
10-SEP-90 22:15:54	rep 1	Sb206	conc	10.70	ug/l	
10-SEP-90 22:15:57	rep 1	Ag328	conc	5.729	ug/l	
10-SEP-90 22:16:03	rep 1	Cd226	conc	3.567	ug/l	
10-SEP-90 22:16:08	rep 1	Al396	conc	14964.5	ug/l	
10-SEP-90 22:16:11	rep 1	Mn257	conc	410.12	ug/l	
10-SEP-90 22:16:16	rep 1	Fe259	conc	14653.71	ug/l	
10-SEP-90 22:16:20	rep 1	Na589	conc	2735	ug/l	
10-SEP-90 22:16:36	rep 1	K766	conc	3714	ug/l	
10-SEP-90 22:16:55	rep 2	Sb206	conc	-23.27	ug/l	
10-SEP-90 22:16:59	rep 2	Ag328	conc	-1.177	ug/l	
10-SEP-90 22:17:03	rep 2	Cd226	conc	1.574	ug/l	
10-SEP-90 22:17:09	rep 2	Mn257	conc	416.74	ug/l	
10-SEP-90 22:17:13	rep 2	Al396	conc	14642.6	ug/l	
10-SEP-90 22:17:16	rep 2	Fe259	conc	14805.52	ug/l	
10-SEP-90 22:17:24	rep 2	Na589	conc	2908	ug/l	
10-SEP-90 22:17:39	rep 2	K766	conc	5056	ug/l	
10-SEP-90 22:19:25	rep 1	Sb206	conc	-12.94	ug/l	
10-SEP-90 22:19:29	rep 1	Ag328	conc	-34.374	ug/l	window edge
10-SEP-90 22:19:34	rep 1	Cd226	conc	11.817	ug/l	
10-SEP-90 22:19:39	rep 1	Al396	conc	14018.6	ug/l	
10-SEP-90 22:19:42	rep 1	Mn257	conc	403.10	ug/l	
10-SEP-90 22:19:47	rep 1	Fe259	conc	14749.06	ug/l	
10-SEP-90 22:19:51	rep 1	Na589	conc	-631	ug/l	
10-SEP-90 22:20:07	rep 1	K766	conc	14392	ug/l	
10-SEP-90 22:20:25	rep 2	Sb206	conc	205.70	ug/l	
10-SEP-90 22:20:29	rep 2	Ag328	conc	45.953	ug/l	
10-SEP-90 22:20:34	rep 2	Cd226	conc	-9.830	ug/l	window edge
10-SEP-90 22:20:39	rep 2	Mn257	conc	397.84	ug/l	
10-SEP-90 22:20:43	rep 2	Al396	conc	13907.9	ug/l	
10-SEP-90 22:20:46	rep 2	Fe259	conc	14352.27	ug/l	
10-SEP-90 22:20:54	rep 2	Na589	conc	-176	ug/l	
10-SEP-90 22:21:10	rep 2	K766	conc	14762	ug/l	
10-SEP-90 22:22:58	rep 1	Sb206	conc	372.30	ug/l	
10-SEP-90 22:23:01	rep 1	Ag328	conc	50.864	ug/l	
10-SEP-90 22:23:06	rep 1	Cd226	conc	51.006	ug/l	
10-SEP-90 22:23:11	rep 1	Al396	conc	21622.6	ug/l	
10-SEP-90 22:23:14	rep 1	Mn257	conc	1137.24	ug/l	
10-SEP-90 22:23:20	rep 1	Fe259	conc	23539.38	ug/l	
10-SEP-90 22:23:23	rep 1	Na589	conc	1084	ug/l	
10-SEP-90 22:23:39	rep 1	K766	conc	5848	ug/l	
10-SEP-90 22:23:58	rep 2	Sb206	conc	332.68	ug/l	
10-SEP-90 22:24:02	rep 2	Ag328	conc	45.746	ug/l	
10-SEP-90 22:24:06	rep 2	Cd226	conc	48.460	ug/l	
10-SEP-90 22:24:12	rep 2	Mn257	conc	1091.33	ug/l	
10-SEP-90 22:24:15	rep 2	Al396	conc	21268.1	ug/l	
10-SEP-90 22:24:19	rep 2	Fe259	conc	22923.93	ug/l	
10-SEP-90 22:24:26	rep 2	Na589	conc	1012	ug/l	
10-SEP-90 22:24:42	rep 2	K766	conc	5862	ug/l	
10-SEP-90 22:26:30	rep 1	Sb206	conc	8.16	ug/l	
10-SEP-90 22:26:33	rep 1	Ag328	conc	4.167	ug/l	
10-SEP-90 22:26:38	rep 1	Cd226	conc	-1.616	ug/l	window edge
10-SEP-90 22:26:44	rep 1	Al396	conc	16510.7	ug/l	
10-SEP-90 22:26:47	rep 1	Mn257	conc	477.07	ug/l	
10-SEP-90 22:26:52	rep 1	Fe259	conc	17516.55	ug/l	
10-SEP-90 22:26:56	rep 1	Na589	conc	784	ug/l	
10-SEP-90 22:27:12	rep 1	K766	conc	5044	ug/l	
10-SEP-90 22:27:30	rep 2	Sb206	conc	-106.75	ug/l	window edge
10-SEP-90 22:27:34	rep 2	Ag328	conc	0.252	ug/l	window edge
10-SEP-90 22:27:38	rep 2	Cd226	conc	3.950	ug/l	
10-SEP-90 22:27:44	rep 2	Mn257	conc	467.78	ug/l	
10-SEP-90 22:27:48	rep 2	Al396	conc	16584.6	ug/l	
10-SEP-90 22:27:51	rep 2	Fe259	conc	17455.76	ug/l	
10-SEP-90 22:27:59	rep 2	Na589	conc	690	ug/l	
10-SEP-90 22:28:14	rep 2	K766	conc	4756	ug/l	
10-SEP-90 22:30:04	rep 1	Sb206	conc	61.20	ug/l	
10-SEP-90 22:30:08	rep 1	Ag328	conc	-4.622	ug/l	window edge
10-SEP-90 22:30:13	rep 1	Cd226	conc	1.077	ug/l	
10-SEP-90 22:30:18	rep 1	Al396	conc	20216.5	ug/l	
10-SEP-90 22:30:21	rep 1	Mn257	conc	567.67	ug/l	
10-SEP-90 22:30:26	rep 1	Fe259	conc	20200.38	ug/l	
10-SEP-90 22:30:30	rep 1	Na589	conc	45	ug/l	
10-SEP-90 22:30:46	rep 1	K766	conc	6485	ug/l	
10-SEP-90 22:31:04	rep 2	Sb206	conc	57.79	ug/l	
10-SEP-90 22:31:08	rep 2	Ag328	conc	-9.517	ug/l	window edge
10-SEP-90 22:31:13	rep 2	Cd226	conc	-1.685	ug/l	window edge
10-SEP-90 22:31:18	rep 2	Mn257	conc	593.37	ug/l	
10-SEP-90 22:31:22	rep 2	Al396	conc	20540.8	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.10SEP902110
Method: EPA\INCLP

ICP2--2DU 6

10-SEP-90 21:10

10-SEP-90 22:31:25	rep 2	Fe259	conc	20131.22	ug/l	
10-SEP-90 22:31:33	rep 2	Na589	conc	64	ug/l	
10-SEP-90 22:31:49	rep 2	K766	conc	4802	ug/l	
10-SEP-90 22:33:38	rep 1	Sb206	conc	31.20	ug/l	
10-SEP-90 22:33:42	rep 1	Ag328	conc	-0.047	ug/l	
10-SEP-90 22:33:47	rep 1	Cd226	conc	4.054	ug/l	
10-SEP-90 22:33:52	rep 1	Al396	conc	21587.7	ug/l	
10-SEP-90 22:33:55	rep 1	Mn257	conc	607.51	ug/l	
10-SEP-90 22:34:00	rep 1	Fe259	conc	17503.15	ug/l	
10-SEP-90 22:34:04	rep 1	Na589	conc	-1013	ug/l	
10-SEP-90 22:34:20	rep 1	K766	conc	5044	ug/l	
10-SEP-90 22:34:38	rep 2	Sb206	conc	27.42	ug/l	
10-SEP-90 22:34:42	rep 2	Ag328	conc	0.204	ug/l	window edge
10-SEP-90 22:34:47	rep 2	Cd226	conc	4.127	ug/l	
10-SEP-90 22:34:52	rep 2	Mn257	conc	605.94	ug/l	
10-SEP-90 22:34:56	rep 2	Al396	conc	21387.0	ug/l	
10-SEP-90 22:34:59	rep 2	Fe259	conc	17655.34	ug/l	
10-SEP-90 22:35:07	rep 2	Na589	conc	910	ug/l	
10-SEP-90 22:35:23	rep 2	K766	conc	4371	ug/l	
10-SEP-90 22:37:15	rep 1	Sb206	conc	-65.49	ug/l	
10-SEP-90 22:37:18	rep 1	Ag328	conc	-2.278	ug/l	
10-SEP-90 22:37:23	rep 1	Cd226	conc	7.337	ug/l	
10-SEP-90 22:37:28	rep 1	Al396	conc	22907.1	ug/l	
10-SEP-90 22:37:31	rep 1	Mn257	conc	750.51	ug/l	
10-SEP-90 22:37:37	rep 1	Fe259	conc	29966.52	ug/l	
10-SEP-90 22:37:41	rep 1	Na589	conc	-112	ug/l	
10-SEP-90 22:37:57	rep 1	K766	conc	6513	ug/l	
10-SEP-90 22:38:15	rep 2	Sb206	conc	20.04	ug/l	
10-SEP-90 22:38:19	rep 2	Ag328	conc	-4.428	ug/l	window edge
10-SEP-90 22:38:23	rep 2	Cd226	conc	-3.025	ug/l	window edge
10-SEP-90 22:38:29	rep 2	Al396	conc	23126.3	ug/l	
10-SEP-90 22:38:33	rep 2	Mn257	conc	762.13	ug/l	
10-SEP-90 22:38:38	rep 2	Fe259	conc	30302.21	ug/l	
10-SEP-90 22:38:42	rep 2	Na589	conc	-50	ug/l	
10-SEP-90 22:38:58	rep 2	K766	conc	5898	ug/l	
10-SEP-90 22:40:51	rep 1	Sb206	conc	1974.91	ug/l	
10-SEP-90 22:40:54	rep 1	Ag328	conc	509.503	ug/l	
10-SEP-90 22:41:06	rep 1	Cd226	conc	494.821	ug/l	
10-SEP-90 22:41:09	rep 1	Al396	conc	879.2	ug/l	
10-SEP-90 22:41:17	rep 1	Mn257	conc	514.51	ug/l	
10-SEP-90 22:41:23	rep 1	Na589	conc	286	ug/l	
10-SEP-90 22:41:26	rep 1	Fe259	conc	538.53	ug/l	
10-SEP-90 22:41:42	rep 1	K766	conc	3246	ug/l	
10-SEP-90 22:42:04	rep 2	Sb206	conc	1951.22	ug/l	
10-SEP-90 22:42:08	rep 2	Ag328	conc	521.178	ug/l	
10-SEP-90 22:42:17	rep 2	Cd226	conc	500.135	ug/l	
10-SEP-90 22:42:20	rep 2	Al396	conc	897.7	ug/l	
10-SEP-90 22:42:24	rep 2	Mn257	conc	514.18	ug/l	
10-SEP-90 22:42:29	rep 2	Fe259	conc	516.31	ug/l	
10-SEP-90 22:42:33	rep 2	Na589	conc	268	ug/l	
10-SEP-90 22:42:49	rep 2	K766	conc	3838	ug/l	
10-SEP-90 22:44:23	rep 1	Fe259	conc	55034.16	ug/l	
10-SEP-90 22:44:33	rep 1	Al396	conc	55086.6	ug/l	
10-SEP-90 22:44:44	rep 1	Na589	conc	53963	ug/l	
10-SEP-90 22:45:00	rep 1	K766	conc	17000	ug/l	
10-SEP-90 22:45:06	rep 2	Fe259	conc	888.48	ug/l	
10-SEP-90 22:45:17	rep 2	Al396	conc	48.4	ug/l	
10-SEP-90 22:45:28	rep 2	Na589	conc	-844	ug/l	
10-SEP-90 22:45:43	rep 2	K766	conc	3174	ug/l	
10-SEP-90 22:47:30	rep 1	Sb206	conc	-88.53	ug/l	window edge
10-SEP-90 22:47:33	rep 1	Ag328	conc	1.420	ug/l	
10-SEP-90 22:47:38	rep 1	Cd226	conc	-6.064	ug/l	window edge
10-SEP-90 22:47:44	rep 1	Al396	conc	-222.1	ug/l	
10-SEP-90 22:47:46	rep 1	Mn257	conc	0.09	ug/l	
10-SEP-90 22:47:52	rep 1	Fe259	conc	4.34	ug/l	
10-SEP-90 22:47:55	rep 1	Na589	conc	-818	ug/l	
10-SEP-90 22:48:11	rep 1	K766	conc	2054	ug/l	
10-SEP-90 22:48:30	rep 2	Sb206	conc	59.20	ug/l	
10-SEP-90 22:48:34	rep 2	Ag328	conc	-1.378	ug/l	
10-SEP-90 22:48:38	rep 2	Cd226	conc	3.685	ug/l	
10-SEP-90 22:48:44	rep 2	Mn257	conc	-0.00	ug/l	
10-SEP-90 22:48:47	rep 2	Al396	conc	-181.1	ug/l	
10-SEP-90 22:48:51	rep 2	Fe259	conc	0.55	ug/l	
10-SEP-90 22:48:58	rep 2	Na589	conc	-971	ug/l	
10-SEP-90 22:49:14	rep 2	K766	conc	2006	ug/l	
10-SEP-90 22:51:07	rep 1	Sb206	conc	1099.24	ug/l	
10-SEP-90 22:51:10	rep 1	Ag328	conc	114.808	ug/l	
10-SEP-90 22:51:15	rep 1	Cd226	conc	224.019	ug/l	
10-SEP-90 22:51:21	rep 1	Al396	conc	1713.3	ug/l	
10-SEP-90 22:51:24	rep 1	Mn257	conc	1134.79	ug/l	
10-SEP-90 22:51:29	rep 1	Fe259	conc	128503.82	ug/l	
10-SEP-90 22:51:33	rep 1	Na589	conc	-571	ug/l	
10-SEP-90 22:51:49	rep 1	K766	conc	2455	ug/l	
10-SEP-90 22:52:07	rep 2	Sb206	conc	1074.49	ug/l	
10-SEP-90 22:52:11	rep 2	Ag328	conc	120.477	ug/l	
10-SEP-90 22:52:16	rep 2	Cd226	conc	225.449	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU 7

10-SEP-90 21:10

10-SEP-90 22:52:21	rep 2	Mn257	conc 1156.44 ug/l	
10-SEP-90 22:52:25	rep 2	Al396	conc 1754.8 ug/l	
10-SEP-90 22:52:28	rep 2	Fe259	conc 125465.88 ug/l	
10-SEP-90 22:52:36	rep 2	Na589	conc -558 ug/l	
10-SEP-90 22:52:52	rep 2	K766	conc 2572 ug/l	
10-SEP-90 22:54:44	rep 1	Sb206	conc -359.62 ug/l	100120381LC
10-SEP-90 22:54:48	rep 1	Ag328	conc 30.385 ug/l	
10-SEP-90 22:54:53	rep 1	Cd226	conc 315.065 ug/l	
10-SEP-90 22:54:58	rep 1	Al396	conc -2089.5 ug/l	
10-SEP-90 22:55:01	rep 1	Mn257	conc 1187.71 ug/l	
10-SEP-90 22:55:06	rep 1	Fe259	conc 132002.25 ug/l	
10-SEP-90 22:55:10	rep 1	Na589	conc -17066 ug/l	
10-SEP-90 22:55:26	rep 1	K766	conc 49525 ug/l	
10-SEP-90 22:55:44	rep 2	Sb206	conc 1800.12 ug/l	
10-SEP-90 22:55:48	rep 2	Ag328	conc -2.865 ug/l	
10-SEP-90 22:55:53	rep 2	Cd226	conc 334.243 ug/l	
10-SEP-90 22:55:58	rep 2	Mn257	conc 1229.20 ug/l	
10-SEP-90 22:56:02	rep 2	Al396	conc -1333.5 ug/l	
10-SEP-90 22:56:06	rep 2	Fe259	conc 131870.69 ug/l	
10-SEP-90 22:56:13	rep 2	Na589	conc -15463 ug/l	
10-SEP-90 22:56:29	rep 2	K766	conc 64826 ug/l	
10-SEP-90 22:58:20	rep 1	Sb206	conc -8.35 ug/l	120382PB
10-SEP-90 22:58:23	rep 1	Ag328	conc 6.096 ug/l	
10-SEP-90 22:58:28	rep 1	Cd226	conc 4.031 ug/l	
10-SEP-90 22:58:33	rep 1	Al396	conc -149.8 ug/l	
10-SEP-90 22:58:36	rep 1	Mn257	conc 0.33 ug/l	
10-SEP-90 22:58:41	rep 1	Fe259	conc -6.73 ug/l	
10-SEP-90 22:58:45	rep 1	Na589	conc -844 ug/l	
10-SEP-90 22:59:01	rep 1	K766	conc 2422 ug/l	
10-SEP-90 22:59:19	rep 2	Sb206	conc 20.78 ug/l	
10-SEP-90 22:59:23	rep 2	Ag328	conc -5.904 ug/l	window edge
10-SEP-90 22:59:28	rep 2	Cd226	conc 6.475 ug/l	
10-SEP-90 22:59:34	rep 2	Al396	conc -170.1 ug/l	
10-SEP-90 22:59:37	rep 2	Mn257	conc -0.44 ug/l	
10-SEP-90 22:59:42	rep 2	Fe259	conc 0.50 ug/l	
10-SEP-90 22:59:47	rep 2	Na589	conc -815 ug/l	
10-SEP-90 23:00:02	rep 2	K766	conc 2979 ug/l	
10-SEP-90 23:01:53	rep 1	Sb206	conc -158.92 ug/l	120090
10-SEP-90 23:01:56	rep 1	Ag328	conc -1.904 ug/l	
10-SEP-90 23:02:02	rep 1	Cd226	conc -0.506 ug/l	
10-SEP-90 23:02:07	rep 1	Al396	conc -137.2 ug/l	
10-SEP-90 23:02:10	rep 1	Mn257	conc -0.55 ug/l	
10-SEP-90 23:02:15	rep 1	Fe259	conc 12.51 ug/l	
10-SEP-90 23:02:19	rep 1	Na589	conc -764 ug/l	
10-SEP-90 23:02:35	rep 1	K766	conc 2000 ug/l	
10-SEP-90 23:02:53	rep 2	Sb206	conc 16.02 ug/l	120094
10-SEP-90 23:02:57	rep 2	Ag328	conc -0.219 ug/l	
10-SEP-90 23:03:02	rep 2	Cd226	conc -2.357 ug/l	
10-SEP-90 23:03:07	rep 2	Al396	conc -148.6 ug/l	
10-SEP-90 23:03:11	rep 2	Mn257	conc -0.77 ug/l	
10-SEP-90 23:03:16	rep 2	Fe259	conc 6.90 ug/l	
10-SEP-90 23:03:20	rep 2	Na589	conc -751 ug/l	
10-SEP-90 23:03:36	rep 2	K766	conc 2100 ug/l	
10-SEP-90 23:05:25	rep 1	Sb206	conc -14.57 ug/l	
10-SEP-90 23:05:28	rep 1	Ag328	conc -0.078 ug/l	
10-SEP-90 23:05:34	rep 1	Cd226	conc 5.040 ug/l	
10-SEP-90 23:05:39	rep 1	Al396	conc -184.7 ug/l	
10-SEP-90 23:05:42	rep 1	Mn257	conc 20.40 ug/l	
10-SEP-90 23:05:47	rep 1	Fe259	conc 114.32 ug/l	
10-SEP-90 23:05:51	rep 1	Na589	conc 4407 ug/l	
10-SEP-90 23:06:07	rep 1	K766	conc 3330 ug/l	
10-SEP-90 23:06:25	rep 2	Sb206	conc 2.85 ug/l	
10-SEP-90 23:06:29	rep 2	Ag328	conc 5.825 ug/l	
10-SEP-90 23:06:34	rep 2	Cd226	conc 1.983 ug/l	
10-SEP-90 23:06:39	rep 2	Al396	conc -135.1 ug/l	
10-SEP-90 23:06:43	rep 2	Mn257	conc 20.99 ug/l	
10-SEP-90 23:06:48	rep 2	Fe259	conc 112.42 ug/l	
10-SEP-90 23:06:52	rep 2	Na589	conc 4210 ug/l	
10-SEP-90 23:07:08	rep 2	K766	conc 2858 ug/l	
10-SEP-90 23:08:57	rep 1	Sb206	conc -22.91 ug/l	120095
10-SEP-90 23:09:01	rep 1	Ag328	conc 4.717 ug/l	
10-SEP-90 23:09:06	rep 1	Cd226	conc -3.094 ug/l	
10-SEP-90 23:09:11	rep 1	Al396	conc -147.6 ug/l	
10-SEP-90 23:09:14	rep 1	Mn257	conc 19.40 ug/l	
10-SEP-90 23:09:20	rep 1	Fe259	conc 113.38 ug/l	
10-SEP-90 23:09:24	rep 1	Na589	conc 4241 ug/l	
10-SEP-90 23:09:40	rep 1	K766	conc 3565 ug/l	
10-SEP-90 23:09:58	rep 2	Sb206	conc 29.78 ug/l	
10-SEP-90 23:10:02	rep 2	Ag328	conc -1.915 ug/l	
10-SEP-90 23:10:07	rep 2	Cd226	conc -0.147 ug/l	
10-SEP-90 23:10:13	rep 2	Al396	conc -164.9 ug/l	
10-SEP-90 23:10:16	rep 2	Mn257	conc 19.91 ug/l	
10-SEP-90 23:10:21	rep 2	Fe259	conc 118.61 ug/l	
10-SEP-90 23:10:26	rep 2	Na589	conc 4205 ug/l	
10-SEP-90 23:10:41	rep 2	K766	conc 3244 ug/l	
10-SEP-90 23:12:29	rep 1	Sb206	conc -46.58 ug/l	120096

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU 8

10-SEP-90 21:10

10-SEP-90 23:12:32	rep 1	Ag328	conc	-2.055 ug/l	
10-SEP-90 23:12:37	rep 1	Cd226	conc	-0.618 ug/l	window edge
10-SEP-90 23:12:42	rep 1	Al396	conc	-176.5 ug/l	
10-SEP-90 23:12:45	rep 1	Mn257	conc	18.58 ug/l	
10-SEP-90 23:12:50	rep 1	Fe259	conc	85.81 ug/l	
10-SEP-90 23:12:54	rep 1	Na589	conc	4125 ug/l	
10-SEP-90 23:13:10	rep 1	K766	conc	2942 ug/l	
10-SEP-90 23:13:29	rep 2	Sb206	conc	32.95 ug/l	
10-SEP-90 23:13:33	rep 2	Ag328	conc	-0.903 ug/l	
10-SEP-90 23:13:38	rep 2	Cd226	conc	-1.769 ug/l	window edge
10-SEP-90 23:13:44	rep 2	Al396	conc	-174.6 ug/l	
10-SEP-90 23:13:47	rep 2	Mn257	conc	21.62 ug/l	
10-SEP-90 23:13:52	rep 2	Fe259	conc	89.80 ug/l	
10-SEP-90 23:13:56	rep 2	Na589	conc	4239 ug/l	
10-SEP-90 23:14:12	rep 2	K766	conc	3957 ug/l	
10-SEP-90 23:15:59	rep 1	Sb206	conc	-360.22 ug/l	
10-SEP-90 23:16:02	rep 1	Ag328	conc	4.438 ug/l	
10-SEP-90 23:16:08	rep 1	Cd226	conc	-20.583 ug/l	window edge
10-SEP-90 23:16:13	rep 1	Al396	conc	-847.7 ug/l	
10-SEP-90 23:16:16	rep 1	Mn257	conc	12.17 ug/l	
10-SEP-90 23:16:21	rep 1	Fe259	conc	140.45 ug/l	
10-SEP-90 23:16:25	rep 1	Na589	conc	132 ug/l	
10-SEP-90 23:16:41	rep 1	K766	conc	11501 ug/l	
10-SEP-90 23:17:00	rep 2	Sb206	conc	-31.36 ug/l	
10-SEP-90 23:17:04	rep 2	Ag328	conc	-12.943 ug/l	
10-SEP-90 23:17:09	rep 2	Cd226	conc	6.378 ug/l	window edge
10-SEP-90 23:17:15	rep 2	Al396	conc	-658.6 ug/l	
10-SEP-90 23:17:18	rep 2	Mn257	conc	21.97 ug/l	
10-SEP-90 23:17:23	rep 2	Fe259	conc	107.93 ug/l	
10-SEP-90 23:17:27	rep 2	Na589	conc	167 ug/l	
10-SEP-90 23:17:43	rep 2	K766	conc	13829 ug/l	
10-SEP-90 23:19:29	rep 1	Sb206	conc	415.58 ug/l	
10-SEP-90 23:19:33	rep 1	Ag328	conc	52.019 ug/l	
10-SEP-90 23:19:38	rep 1	Cd226	conc	48.722 ug/l	
10-SEP-90 23:19:43	rep 1	Al396	conc	1879.2 ug/l	
10-SEP-90 23:19:46	rep 1	Mn257	conc	520.69 ug/l	
10-SEP-90 23:19:51	rep 1	Fe259	conc	1083.34 ug/l	
10-SEP-90 23:19:55	rep 1	Na589	conc	4229 ug/l	
10-SEP-90 23:20:11	rep 1	K766	conc	3298 ug/l	
10-SEP-90 23:20:29	rep 2	Sb206	conc	430.84 ug/l	
10-SEP-90 23:20:33	rep 2	Ag328	conc	52.599 ug/l	
10-SEP-90 23:20:38	rep 2	Cd226	conc	50.005 ug/l	
10-SEP-90 23:20:43	rep 2	Mn257	conc	506.00 ug/l	
10-SEP-90 23:20:47	rep 2	Al396	conc	1839.7 ug/l	
10-SEP-90 23:20:50	rep 2	Fe259	conc	1119.32 ug/l	
10-SEP-90 23:20:58	rep 2	Na589	conc	4243 ug/l	
10-SEP-90 23:21:14	rep 2	K766	conc	3453 ug/l	
10-SEP-90 23:22:59	rep 1	Sb206	conc	-11.99 ug/l	
10-SEP-90 23:23:02	rep 1	Ag328	conc	3.605 ug/l	
10-SEP-90 23:23:07	rep 1	Cd226	conc	0.523 ug/l	
10-SEP-90 23:23:12	rep 1	Al396	conc	-132.2 ug/l	
10-SEP-90 23:23:15	rep 1	Mn257	conc	17.35 ug/l	
10-SEP-90 23:23:20	rep 1	Fe259	conc	96.03 ug/l	
10-SEP-90 23:23:24	rep 1	Na589	conc	4120 ug/l	
10-SEP-90 23:23:40	rep 1	K766	conc	3320 ug/l	
10-SEP-90 23:23:58	rep 2	Sb206	conc	-4.76 ug/l	
10-SEP-90 23:24:02	rep 2	Ag328	conc	-8.391 ug/l	window edge
10-SEP-90 23:24:07	rep 2	Cd226	conc	-4.739 ug/l	window edge
10-SEP-90 23:24:13	rep 2	Mn257	conc	18.03 ug/l	
10-SEP-90 23:24:16	rep 2	Al396	conc	-135.7 ug/l	
10-SEP-90 23:24:19	rep 2	Fe259	conc	103.79 ug/l	
10-SEP-90 23:24:27	rep 2	Na589	conc	4004 ug/l	
10-SEP-90 23:24:43	rep 2	K766	conc	2842 ug/l	
10-SEP-90 23:26:27	rep 1	Sb206	conc	1926.68 ug/l	
10-SEP-90 23:26:30	rep 1	Ag328	conc	493.562 ug/l	
10-SEP-90 23:26:36	rep 1	Cd226	conc	473.808 ug/l	
10-SEP-90 23:26:41	rep 1	Al396	conc	890.0 ug/l	
10-SEP-90 23:26:44	rep 1	Mn257	conc	482.66 ug/l	
10-SEP-90 23:26:49	rep 1	Fe259	conc	522.81 ug/l	
10-SEP-90 23:26:53	rep 1	Na589	conc	205 ug/l	
10-SEP-90 23:27:08	rep 1	K766	conc	3501 ug/l	
10-SEP-90 23:27:27	rep 2	Sb206	conc	1915.01 ug/l	
10-SEP-90 23:27:31	rep 2	Ag328	conc	492.766 ug/l	
10-SEP-90 23:27:35	rep 2	Cd226	conc	485.536 ug/l	
10-SEP-90 23:27:41	rep 2	Mn257	conc	494.53 ug/l	
10-SEP-90 23:27:44	rep 2	Al396	conc	903.1 ug/l	
10-SEP-90 23:27:48	rep 2	Fe259	conc	492.15 ug/l	
10-SEP-90 23:27:56	rep 2	Na589	conc	153 ug/l	
10-SEP-90 23:28:11	rep 2	K766	conc	2934 ug/l	
10-SEP-90 23:29:40	rep 1	Fe259	conc	-8.18 ug/l	
10-SEP-90 23:29:50	rep 1	Al396	conc	-199.4 ug/l	
10-SEP-90 23:30:01	rep 1	Na589	conc	-925 ug/l	
10-SEP-90 23:30:17	rep 1	K766	conc	2799 ug/l	
10-SEP-90 23:30:24	rep 2	Fe259	conc	-8.85 ug/l	
10-SEP-90 23:30:34	rep 2	Al396	conc	-189.6 ug/l	
10-SEP-90 23:30:45	rep 2	Na589	conc	-869 ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU ,

10-SEP-90 21:10

10-SEP-90 23:31:01		rep 2	K766	conc	2780 ug/l	
10-SEP-90 23:32:42	CCB:2	rep 1	Sb206	conc	-10.30 ug/l	
10-SEP-90 23:32:45		rep 1	Ag328	conc	7.725 ug/l	
10-SEP-90 23:32:51		rep 1	Cd226	conc	-1.459 ug/l	
10-SEP-90 23:32:56		rep 1	Al396	conc	-158.2 ug/l	
10-SEP-90 23:32:59		rep 1	Mn257	conc	-1.76 ug/l	
10-SEP-90 23:33:04		rep 1	Fe259	conc	8.66 ug/l	
10-SEP-90 23:33:07		rep 1	Na589	conc	-792 ug/l	
10-SEP-90 23:33:24		rep 1	K766	conc	2575 ug/l	
10-SEP-90 23:33:42		rep 2	Sb206	conc	-0.78 ug/l	
10-SEP-90 23:33:46		rep 2	Ag328	conc	-4.690 ug/l	window edge
10-SEP-90 23:33:50		rep 2	Cd226	conc	2.108 ug/l	
10-SEP-90 23:33:56		rep 2	Al396	conc	-198.9 ug/l	
10-SEP-90 23:33:59		rep 2	Mn257	conc	-0.76 ug/l	
10-SEP-90 23:34:04		rep 2	Fe259	conc	-3.26 ug/l	
10-SEP-90 23:34:09		rep 2	Na589	conc	-865 ug/l	
10-SEP-90 23:34:25		rep 2	K766	conc	2874 ug/l	
10-SEP-90 23:36:06	120097	rep 1	Sb206	conc	-138.95 ug/l	window edge
10-SEP-90 23:36:09		rep 1	Ag328	conc	1.445 ug/l	
10-SEP-90 23:36:14		rep 1	Cd226	conc	0.985 ug/l	
10-SEP-90 23:36:20		rep 1	Al396	conc	-138.4 ug/l	
10-SEP-90 23:36:23		rep 1	Mn257	conc	19.97 ug/l	
10-SEP-90 23:36:28		rep 1	Fe259	conc	104.00 ug/l	
10-SEP-90 23:36:32		rep 1	Na589	conc	4213 ug/l	
10-SEP-90 23:36:48		rep 1	K766	conc	3596 ug/l	
10-SEP-90 23:37:06		rep 2	Sb206	conc	12.96 ug/l	
10-SEP-90 23:37:10		rep 2	Ag328	conc	5.777 ug/l	
10-SEP-90 23:37:14		rep 2	Cd226	conc	5.563 ug/l	
10-SEP-90 23:37:20		rep 2	Mn257	conc	20.09 ug/l	
10-SEP-90 23:37:24		rep 2	Al396	conc	-169.3 ug/l	
10-SEP-90 23:37:27		rep 2	Fe259	conc	102.96 ug/l	
10-SEP-90 23:37:35		rep 2	K766	conc	4052 ug/l	
10-SEP-90 23:37:51		rep 2	K766	conc	3274 ug/l	
10-SEP-90 23:39:31	120098	rep 1	Sb206	conc	-69.59 ug/l	
10-SEP-90 23:39:34		rep 1	Ag328	conc	0.436 ug/l	
10-SEP-90 23:39:40		rep 1	Cd226	conc	2.957 ug/l	
10-SEP-90 23:39:45		rep 1	Al396	conc	-145.6 ug/l	
10-SEP-90 23:39:48		rep 1	Mn257	conc	-0.29 ug/l	
10-SEP-90 23:39:53		rep 1	Fe259	conc	28.71 ug/l	
10-SEP-90 23:39:57		rep 1	Na589	conc	-849 ug/l	
10-SEP-90 23:40:13		rep 1	K766	conc	2326 ug/l	
10-SEP-90 23:40:32		rep 2	Sb206	conc	20.83 ug/l	
10-SEP-90 23:40:36		rep 2	Ag328	conc	-4.499 ug/l	
10-SEP-90 23:40:40		rep 2	Cd226	conc	3.410 ug/l	
10-SEP-90 23:40:46		rep 2	Al396	conc	-140.2 ug/l	
10-SEP-90 23:40:50		rep 2	Mn257	conc	-0.59 ug/l	
10-SEP-90 23:40:55		rep 2	Fe259	conc	23.36 ug/l	
10-SEP-90 23:40:59		rep 2	Na589	conc	-782 ug/l	
10-SEP-90 23:41:15		rep 2	K766	conc	2987 ug/l	
10-SEP-90 23:42:54	120099	rep 1	Sb206	conc	-51.00 ug/l	
10-SEP-90 23:42:57		rep 1	Ag328	conc	-0.512 ug/l	
10-SEP-90 23:43:02		rep 1	Cd226	conc	-3.230 ug/l	window edge
10-SEP-90 23:43:08		rep 1	Al396	conc	-165.5 ug/l	
10-SEP-90 23:43:11		rep 1	Mn257	conc	18.74 ug/l	
10-SEP-90 23:43:16		rep 1	Fe259	conc	94.41 ug/l	
10-SEP-90 23:43:19		rep 1	Na589	conc	4021 ug/l	
10-SEP-90 23:43:36		rep 1	K766	conc	3149 ug/l	
10-SEP-90 23:43:55		rep 2	Sb206	conc	-59.83 ug/l	window edge
10-SEP-90 23:43:59		rep 2	Ag328	conc	-3.605 ug/l	window edge
10-SEP-90 23:44:03		rep 2	Cd226	conc	-0.810 ug/l	
10-SEP-90 23:44:09		rep 2	Al396	conc	-162.6 ug/l	
10-SEP-90 23:44:13		rep 2	Mn257	conc	15.82 ug/l	
10-SEP-90 23:44:18		rep 2	Fe259	conc	93.06 ug/l	
10-SEP-90 23:44:22		rep 2	Na589	conc	4110 ug/l	
10-SEP-90 23:44:38		rep 2	K766	conc	3317 ug/l	
10-SEP-90 23:46:17	120100	rep 1	Sb206	conc	-60.16 ug/l	
10-SEP-90 23:46:20		rep 1	Ag328	conc	0.286 ug/l	
10-SEP-90 23:46:26		rep 1	Cd226	conc	1.339 ug/l	
10-SEP-90 23:46:31		rep 1	Al396	conc	-146.4 ug/l	
10-SEP-90 23:46:33		rep 1	Mn257	conc	8.01 ug/l	
10-SEP-90 23:46:39		rep 1	Fe259	conc	56.14 ug/l	
10-SEP-90 23:46:42		rep 1	Na589	conc	3123 ug/l	
10-SEP-90 23:46:58		rep 1	K766	conc	3414 ug/l	
10-SEP-90 23:47:17		rep 2	Sb206	conc	61.08 ug/l	
10-SEP-90 23:47:20		rep 2	Ag328	conc	-0.764 ug/l	
10-SEP-90 23:47:25		rep 2	Cd226	conc	0.830 ug/l	
10-SEP-90 23:47:31		rep 2	Mn257	conc	9.02 ug/l	
10-SEP-90 23:47:34		rep 2	Al396	conc	-123.5 ug/l	
10-SEP-90 23:47:38		rep 2	Fe259	conc	61.91 ug/l	
10-SEP-90 23:47:45		rep 2	Na589	conc	2912 ug/l	
10-SEP-90 23:48:01		rep 2	K766	conc	2987 ug/l	
10-SEP-90 23:49:38	120197	rep 1	Sb206	conc	12.47 ug/l	
10-SEP-90 23:49:41		rep 1	Ag328	conc	0.595 ug/l	
10-SEP-90 23:49:47		rep 1	Cd226	conc	9.300 ug/l	
10-SEP-90 23:49:52		rep 1	Al396	conc	-128.4 ug/l	
10-SEP-90 23:49:55		rep 1	Mn257	conc	326.02 ug/l	

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.10SEP902110
Method: EPAINCLP

ICP2--2DU₁₀
10-SEP-90 21:10

10-SEP-90 23:50:00	rep 1	Fe259	conc	56877.67	ug/l	
10-SEP-90 23:50:04	rep 1	Na589	conc	713260	ug/l	
10-SEP-90 23:50:20	rep 1	K766	conc	26587	ug/l	
10-SEP-90 23:50:39	rep 2	Sb206	conc	-10.71	ug/l	
10-SEP-90 23:50:43	rep 2	Ag328	conc	0.221	ug/l	
10-SEP-90 23:50:48	rep 2	Cd226	conc	5.154	ug/l	
10-SEP-90 23:50:53	rep 2	Al396	conc	-147.9	ug/l	
10-SEP-90 23:50:57	rep 2	Mn257	conc	321.30	ug/l	
10-SEP-90 23:51:02	rep 2	Fe259	conc	54330.52	ug/l	
10-SEP-90 23:51:06	rep 2	Na589	conc	687201	ug/l	
10-SEP-90 23:51:22	rep 2	K766	conc	26943	ug/l	
10-SEP-90 23:52:59	rep 1	Sb206	conc	867.10	ug/l	
10-SEP-90 23:53:02	rep 1	Ag328	conc	461.160	ug/l	
10-SEP-90 23:53:07	rep 1	Cd226	conc	436.633	ug/l	
10-SEP-90 23:53:12	rep 1	Al396	conc	1698.6	ug/l	
10-SEP-90 23:53:15	rep 1	Mn257	conc	466.17	ug/l	
10-SEP-90 23:53:20	rep 1	Fe259	conc	1781.68	ug/l	
10-SEP-90 23:53:24	rep 1	Na589	conc	48446	ug/l	
10-SEP-90 23:53:40	rep 1	K766	conc	54486	ug/l	
10-SEP-90 23:53:59	rep 2	Sb206	conc	783.59	ug/l	
10-SEP-90 23:54:03	rep 2	Ag328	conc	452.766	ug/l	
10-SEP-90 23:54:08	rep 2	Cd226	conc	439.107	ug/l	
10-SEP-90 23:54:14	rep 2	Al396	conc	1655.0	ug/l	
10-SEP-90 23:54:17	rep 2	Mn257	conc	444.01	ug/l	
10-SEP-90 23:54:22	rep 2	Fe259	conc	1724.58	ug/l	
10-SEP-90 23:54:26	rep 2	Na589	conc	46395	ug/l	
10-SEP-90 23:54:42	rep 2	K766	conc	52580	ug/l	
10-SEP-90 23:56:18	rep 1	Sb206	conc	10.05	ug/l	
10-SEP-90 23:56:21	rep 1	Ag328	conc	5.493	ug/l	
10-SEP-90 23:56:27	rep 1	Cd226	conc	2.838	ug/l	
10-SEP-90 23:56:31	rep 1	Al396	conc	-190.3	ug/l	
10-SEP-90 23:56:34	rep 1	Mn257	conc	0.75	ug/l	
10-SEP-90 23:56:39	rep 1	Fe259	conc	42.74	ug/l	
10-SEP-90 23:56:43	rep 1	Na589	conc	-700	ug/l	
10-SEP-90 23:56:59	rep 1	K766	conc	2669	ug/l	
10-SEP-90 23:57:17	rep 2	Sb206	conc	-32.84	ug/l	
10-SEP-90 23:57:21	rep 2	Ag328	conc	-0.830	ug/l	
10-SEP-90 23:57:26	rep 2	Cd226	conc	-2.831	ug/l	window edge
10-SEP-90 23:57:31	rep 2	Mn257	conc	0.61	ug/l	
10-SEP-90 23:57:35	rep 2	Al396	conc	-227.8	ug/l	window edge
10-SEP-90 23:57:39	rep 2	Fe259	conc	46.66	ug/l	
10-SEP-90 23:57:46	rep 2	Na589	conc	-744	ug/l	
10-SEP-90 23:58:02	rep 2	K766	conc	2472	ug/l	
10-SEP-90 23:59:35	rep 1	Sb206	conc	1781.12	ug/l	
10-SEP-90 23:59:38	rep 1	Ag328	conc	461.669	ug/l	
10-SEP-90 23:59:44	rep 1	Cd226	conc	446.441	ug/l	
10-SEP-90 23:59:49	rep 1	Al396	conc	790.1	ug/l	
10-SEP-90 23:59:52	rep 1	Mn257	conc	459.26	ug/l	
10-SEP-90 23:59:57	rep 1	Fe259	conc	460.39	ug/l	
11-SEP-90 00:00:01	rep 1	Na589	conc	281	ug/l	
11-SEP-90 00:00:17	rep 1	K766	conc	3147	ug/l	
11-SEP-90 00:00:35	rep 2	Sb206	conc	1691.81	ug/l	
11-SEP-90 00:00:39	rep 2	Ag328	conc	463.375	ug/l	
11-SEP-90 00:00:44	rep 2	Cd226	conc	436.007	ug/l	
11-SEP-90 00:00:49	rep 2	Mn257	conc	448.16	ug/l	
11-SEP-90 00:00:53	rep 2	Al396	conc	831.0	ug/l	
11-SEP-90 00:00:56	rep 2	Fe259	conc	471.09	ug/l	
11-SEP-90 00:01:04	rep 2	Na589	conc	264	ug/l	
11-SEP-90 00:01:20	rep 2	K766	conc	3065	ug/l	
11-SEP-90 00:02:43	rep 1	Fe259	conc	-4.91	ug/l	
11-SEP-90 00:02:53	rep 1	Al396	conc	-39.3	ug/l	
11-SEP-90 00:03:04	rep 1	Na589	conc	-728	ug/l	
11-SEP-90 00:03:21	rep 1	K766	conc	2719	ug/l	
11-SEP-90 00:03:27	rep 2	Fe259	conc	-10.51	ug/l	
11-SEP-90 00:03:37	rep 2	Al396	conc	-199.7	ug/l	window edge
11-SEP-90 00:03:48	rep 2	Na589	conc	-805	ug/l	
11-SEP-90 00:04:04	rep 2	K766	conc	2775	ug/l	
11-SEP-90 00:05:38	rep 1	Sb206	conc	-41.25	ug/l	
11-SEP-90 00:05:41	rep 1	Ag328	conc	-0.426	ug/l	
11-SEP-90 00:05:46	rep 1	Cd226	conc	0.887	ug/l	
11-SEP-90 00:05:52	rep 1	Mn257	conc	-0.91	ug/l	
11-SEP-90 00:05:55	rep 1	Al396	conc	-187.4	ug/l	
11-SEP-90 00:05:58	rep 1	Fe259	conc	5.89	ug/l	
11-SEP-90 00:06:06	rep 1	Na589	conc	-844	ug/l	
11-SEP-90 00:06:22	rep 1	K766	conc	1967	ug/l	
11-SEP-90 00:06:41	rep 2	Sb206	conc	37.40	ug/l	
11-SEP-90 00:06:45	rep 2	Ag328	conc	-1.413	ug/l	window edge
11-SEP-90 00:06:49	rep 2	Cd226	conc	0.392	ug/l	
11-SEP-90 00:06:55	rep 2	Mn257	conc	-1.23	ug/l	window edge
11-SEP-90 00:06:58	rep 2	Al396	conc	-173.9	ug/l	
11-SEP-90 00:07:02	rep 2	Fe259	conc	-5.88	ug/l	
11-SEP-90 00:07:09	rep 2	Na589	conc	-839	ug/l	
11-SEP-90 00:07:25	rep 2	K766	conc	1931	ug/l	window edge
11-SEP-90 00:08:54	rep 1	Sb206	conc	-162.68	ug/l	window edge
11-SEP-90 00:08:58	rep 1	Ag328	conc	-8.310	ug/l	
11-SEP-90 00:09:03	rep 1	Cd226	conc	18.979	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.10SEP902110
Method: EPA\INCLP

ICP2--2DU₁₁
10-SEP-90 21:10

11-SEP-90 00:09:08	rep 1	Al396	conc 480491.7 ug/l
11-SEP-90 00:09:11	rep 1	Mn257	conc 15.47 ug/l
11-SEP-90 00:09:16	rep 1	Fe259	conc 182965.77 ug/l
11-SEP-90 00:09:20	rep 1	Na589	conc -745 ug/l
11-SEP-90 00:09:36	rep 1	K766	conc 2249 ug/l
11-SEP-90 00:09:55	rep 2	Sb206	conc 21.61 ug/l
11-SEP-90 00:09:59	rep 2	Ag328	conc 1.340 ug/l
11-SEP-90 00:10:04	rep 2	Cd226	conc 16.660 ug/l
11-SEP-90 00:10:09	rep 2	Al396	conc 465670.2 ug/l
11-SEP-90 00:10:13	rep 2	Mn257	conc 16.62 ug/l
11-SEP-90 00:10:18	rep 2	Fe259	conc 189248.30 ug/l
11-SEP-90 00:10:23	rep 2	Na589	conc -727 ug/l
11-SEP-90 00:10:38	rep 2	K766	conc 2599 ug/l
11-SEP-90 00:12:08	ICSAB(AD):2 rep 1	Sb206	conc 823.64 ug/l
11-SEP-90 00:12:11	rep 1	Ag328	conc 932.583 ug/l
11-SEP-90 00:12:17	rep 1	Cd226	conc 858.579 ug/l
11-SEP-90 00:12:22	rep 1	Al396	conc 485239.2 ug/l
11-SEP-90 00:12:25	rep 1	Mn257	conc 471.38 ug/l
11-SEP-90 00:12:30	rep 1	Fe259	conc 191675.11 ug/l
11-SEP-90 00:12:34	rep 1	Na589	conc -740 ug/l
11-SEP-90 00:12:50	rep 1	K766	conc 3309 ug/l
11-SEP-90 00:13:08	rep 2	Sb206	conc 862.31 ug/l
11-SEP-90 00:13:12	rep 2	Ag328	conc 919.168 ug/l
11-SEP-90 00:13:16	rep 2	Cd226	conc 857.463 ug/l
11-SEP-90 00:13:22	rep 2	Mn257	conc 482.14 ug/l
11-SEP-90 00:13:26	rep 2	Al396	conc 485220.1 ug/l
11-SEP-90 00:13:29	rep 2	Fe259	conc 197652.86 ug/l
11-SEP-90 00:13:37	rep 2	Na589	conc -719 ug/l
11-SEP-90 00:13:52	rep 2	K766	conc 2363 ug/l
11-SEP-90 00:15:28	CRI(AE):2 rep 1	Sb206	conc 114.38 ug/l
11-SEP-90 00:15:31	rep 1	Ag328	conc 13.080 ug/l
11-SEP-90 00:15:36	rep 1	Cd226	conc 8.538 ug/l
11-SEP-90 00:15:42	rep 1	Al396	conc 284.2 ug/l
11-SEP-90 00:15:45	rep 1	Mn257	conc 24.14 ug/l
11-SEP-90 00:15:50	rep 1	Fe259	conc 210.82 ug/l
11-SEP-90 00:15:54	rep 1	Na589	conc -814 ug/l
11-SEP-90 00:16:10	rep 1	K766	conc 2639 ug/l
11-SEP-90 00:16:28	rep 2	Sb206	conc 14.52 ug/l
11-SEP-90 00:16:32	rep 2	Ag328	conc 3.006 ug/l
11-SEP-90 00:16:36	rep 2	Cd226	conc -1.127 ug/l
11-SEP-90 00:16:42	rep 2	Mn257	conc -2.50 ug/l
11-SEP-90 00:16:46	rep 2	Al396	conc -192.9 ug/l
11-SEP-90 00:16:49	rep 2	Fe259	conc -5.82 ug/l
11-SEP-90 00:16:57	rep 2	Na589	conc -817 ug/l
11-SEP-90 00:17:13	rep 2	K766	conc 2733 ug/l
11-SEP-90 00:18:01	End method EPA_INCLP		

window edge

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ETR:22840(NEWYRK)

ICP2--2DW 5
11-SEP-90 10:24

120197 907601 : (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [XII](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Al396	12:38	1:1	-159.70	-159.095	<200 a	✓
Cd226	12:38	1:1	5.48	5.458	5.5 a	✓

120198 LCS : ()

50.00 g sample to 50. ml digestate by FPC on 08-31-90 [XII](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Al396	12:41	1:1	1933.60	1933.600	1930 a	✓
Na589	12:41	1:1	49673.00	49673.004	50000 a	✓

Cd

451.00

612

49700
451.00

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ETR:22777(AQAMT)

ICP2--2DW ,
11-SEP-90 10:24

120086D1 S403I :[SER] (Soil)

1.08 g sample to 200. ml digestate by FPC on 08-30-90 [XO] (Method:CLPDIGSOIL:ICP)

Solids determination was not requested.

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg(as rec'd)	BITLAB Value	Notes
Al396	11:22	1:5.00	13835.05	2562.046	2600 e	~~2500~~
Cd226	11:22	1:5.00	6.37	1.180	<5 e	<5e -2DS] ~~45~~
Na589	11:22	1:5.00	4451.00	824.259	<5000 e	~~45000~~

120096D1 W403I :[SER] (Water)

100.08 g sample to 100. ml digestate by FPC on 08-31-90 [XN] (Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Al396	12:10	1:5.00	-651.25	-650.729	<1000 a	
Cd226	12:10	1:5.00	10.24	10.237	<30 a	<30a -2DU]
Na589	12:10	1:5.00	6465.00	6459.832	<30000 a	

120380PB PB602 :[PBK]08/30/90 (Soil)

1.52 g sample to 200. ml digestate by FPC on 08-30-90 [XO] (Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Al396	11:10	1:1	-147.55	-19.414	<30 f	~~26.5~~ -19.414B
Cd226	11:10	1:1	1.01	0.132	<0.7 f	<0.7f -2DS] ~~0.408~~ 0.408
Na589	11:10	1:1	318.50	41.908	<700 f	~~4658~~ 41.908B

120381LC LCS, SOLIDS LCS :[LCS]08/30/90 (Soil)

1.05 g sample to 200. ml digestate by FPC on 08-30-90 [XO] (Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Al396	11:48	1:1	1761.25	335.476	340 f	335.5
Cd226	11:52	1:20.0	247.05	47.058	47 f	47.1
Na589	11:49	1:1	564.00	107.429	<1000 f	~~107.4~~ 107.4

120382PB PB608 :[PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN] (Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Al396	11:54	1:1	-128.75	-128.544	<200 a	~~250~~ -128.544B
Cd226	11:55	1:1	-1.06	-1.057	<5 a	5.2a -2DU] ~~3.1~~
Na589	11:55	1:1	348.00	347.444	<5000 a	~~34800~~ 347.444B

Calibration Summary

Watch file name: ICP\$MAIN:[ICP:EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

Al 396

ICP2--2DW 1
11-SEP-90 10:24

Unweighted Linear Calibration Summary for Al396

N= 7 Slope= 0.2955 Intrcpt= 47.85 Correlation(r)=0.999941

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	9.00	0.	-131.50	131.50	
# 2 standard	28.70	100.	-64.83	164.83	164.83
# 3 standard	69.75	200.	74.10	125.90	62.95
# 4 standard	333.00	1000.	965.06	34.94	3.49
# 5 standard	1579.35	5000.	5183.28	-183.28	-3.67
# 6 standard	3109.90	10000.	10363.35	-363.35	-3.63
# 7 standard	14794.85	50000.	49910.54	89.46	0.18

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA		1000	999999	950.20	49.80	4.98	
ICVB(AB)	CKSTB	45000	50000	55000	51995.15	-1995.15	-3.99	
ICB	BLANK	-200.0	0	200	-129.95	129.95		-129.95 -130.0B
ICSA(AC):1	INTCK		500000	999999	478385.69	21614.31	4.32	
ICSAB(AD)2:1	INTCB	400000	500000	600000	494225.09	-5774.91	1.15	
CRI(AE):1	DLCK		400	999999	260.75	139.25	34.81	
CCVA(AB):1	CKSTA		1000	999999	945.95	54.05	5.40	
CCVB(AB):1	CKSTB	45000	50000	55000	53980.55	-3980.55	-7.96	
CCB:1	BLANK	-200.0	0	200	-133.45	133.45		-133.4B
CCVA(AB):2	CKSTA		1000	999999	934.65	65.35	6.53	
CCVB(AB):2	CKSTB	45000	50000	55000	52806.55	-2806.55	-5.61	
CCB:2	BLANK	-200.0	0	200	-147.30	147.30		-147.3B
CCVA(AB):3	CKSTA		1000	999999	925.70	74.30	7.43	
CCVB(AB):3	CKSTB	45000	50000	55000	53560.55	-3560.55	-7.12	
CCB:3	BLANK	-200.0	0	200	-116.30	116.30		-116.3B
ICSA(AC):2	INTCK		500000	999999	491038.19	8961.81	1.79	
ICSAB(AD)2:2	INTCB	400000	500000	600000	517442.19	-17442.19	-3.49	
CRI(AE):2	DLCK		400	999999	289.90	110.10	27.53	

No QC failures detected for Al396 .

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-147.55	-148	
	120084	14510.25	14500	
	120085	21509.60	21500	
	120086	15426.80	15400	
5.00	120086D1	13835.05	13800	
	120086MS	21830.20	21800	
	120086DP	16819.25	16800	
	120087	20363.30	20400	
	120088	21566.00	21600	
	120089	23228.60	23200	
	120381LC	1761.25	1760	
20.0	120381LC	-938.85	-939	
	120382PB	-128.75	-129	
	120090	-153.15	-153	
	120094	-114.65	-115	
	120095	-121.55	-122	
	120096	-125.90	-126	
5.00	120096D1	-651.25	-651	
	120096MS	1984.65	1990	
	120096DP	-117.10	-117	
	120097	-98.65	-98.7	
	120098	-124.15	-124	
	120099	-132.05	-132	
	120100	-109.90	-110	
	120197	-159.70	-160	
	120198	1933.60	1930	
	r1	-141.15	-141	

Calibration Summary

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

Na589

ICP2--2DW 3
11-SEP-90 10:24

Unweighted Linear Calibration Summary for Na589

N= 6 Slope= 0.0619 Intrcpt= -0.78 Correlation(r)=0.999995

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	19.45	0.	326.57	-326.57	
# 4 standard	85.95	1000.	1400.21	-400.21	-40.02
# 5 standard	329.45	5000.	5331.51	-331.51	-6.63
# 6 standard	625.65	10000.	10113.65	-113.65	-1.14
# 7 standard	3015.95	50000.	48704.96	1295.04	2.59
# 8 standard	30976.25	500000.	500123.13	-123.13	-0.02

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	49187.50	812.50	1.63	
ICB	BLANK		0	2500	343.50	-343.50		343.5B
ICSA(AC):1	INCKA		0	999999	494.00	-494.00		
ICSAB(AD):2:1	INTCB		0	999999	485.00	-485.00		
CCVB(AB):1	CKSTB	45000	50000	55000	49274.50	725.50	1.45	332.0B
CCB:1	BLANK		0	2500	332.00	-332.00		
CCVB(AB):2	CKSTB	45000	50000	55000	49187.50	812.50	1.63	327.5B
CCB:2	BLANK		0	2500	327.50	-327.50		
CCVB(AB):3	CKSTB	45000	50000	55000	50046.50	-46.50	-0.09	
CCB:3	BLANK		0	2500	333.50	-333.50		333.5B
ICSA(AC):2	INCKA		0	999999	410.00	-410.00		
ICSPB					468.5			

No QC failures detected for Na589

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	318.50	319	
	120084	770.00	770	
	120085	1300.00	1300	
	120086	3703.50	3700	
5.00	120086D1	4451.00	4450	
	120086MS	2013.50	2010	
	120086DP	1916.50	1920	
	120087	1128.50	1130	
	120088	2015.00	2020	
	120089	982.50	983	
	120381LC	564.00	564	
20.0	120381LC	7151.50	7150	
	120382PB	348.00	348	
	120090	380.00	380	
	120094	4989.50	4990	
	120095	4954.00	4950	
	120096	4996.50	5000	
5.00	120096D1	6465.00	6470	
	120096MS	5055.50	5060	
	120096DP	4908.00	4910	
	120097	4875.50	4880	
	120098	293.00	293	
	120099	4979.00	4980	
	120100	3902.00	3900	
	120197	711893.50		FAILS - DILUT
	120198	49673.00	49700	
	r1	434.00	434	

000097

Calibration Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

Cd226

ICP2--2DW
11-SEP-90 10:24

Unweighted Linear Calibration Summary for Cd226

N= 4 Slope= 26.3695 Intcpt= 28.23 Correlation(r)=0.999291

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	120.55	0.	3.50	-3.50	
# 1 standard	1263.60	50.	46.85	3.15	6.30
# 2 standard	2605.20	100.	97.73	2.27	2.27
# 3 standard	5352.90	200.	201.93	-1.93	-0.96

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	468.55	31.45	6.29	
ICB	BLANK	-5.0	0	5	1.41	-1.41		
ICSA(AC):1	INTCK		0	999999	19.57	-19.57		
ICSAB(AD)2:1	INTCB	687.80	860	1031.60	833.99	26.01	3.02	
CRI(AE):1	DLCK		10	999999	6.02	3.98	39.78	
CCVA(AB):1	CKSTA	450	500	550	474.78	25.22	5.04	
CCB:1	BLANK	-5.0	0	5	-0.76	0.76		
CCVA(AB):2	CKSTA	450	500	550	469.41	30.59	6.12	
CCB:2	BLANK	-5.0	0	5	-1.44	1.44		
CCVA(AB):3	CKSTA	450	500	550	467.41	32.59	6.52	
CCB:3	BLANK	-5.0	0	5	-0.32	0.32		
ICSA(AC):2	INTCK		0	999999	18.41	-18.41		
ICSAB(AD)2:2	INTCB	687.80	860	1031.60	862.58	-2.58	-0.30	
CRI(AE):2	DLCK		10	999999	10.11	-0.11	-1.14	

No QC failures detected for Cd226

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	1.01	1.01	
	120084	1.67	1.67	
	120085	3.51	3.51	
	120086	3.35	3.35	
5.00	12008601	6.37	6.37	
	120086MS	47.28	47.3	
	1200860P	-1.52	-1.52	
	120087	1.36	1.36	
	120088	0.77	0.77	
	120089	2.90	2.90	
	120381LC	215.56		
20.0	120381LC	247.05	247	FAILS - DILUT
	120382PB	-1.06	-1.06	
	120090	1.34	1.34	
	120094	1.81	1.81	
	120095	2.24	2.24	
	120096	0.20	0.20	
5.00	12009601	10.24	10.2	
	120096MS	44.64	44.6	
	1200960P	3.27	3.27	
	120097	4.49	4.49	
	120098	0.28	0.28	
	120099	0.75	0.75	
	120100	-0.23	-0.23	
	120197	5.48	5.48	
	120198	451.00		
r1		1.88	1.88	FAILS - DILUT

linear to 1000ppb

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 1

11-SEP-90 10:24

11-SEP-90 10:26:21 Begin method EPA INCLP
11-SEP-90 10:26:44 Method Name: 000Method

Comment:JJ0

Read Delay : 25 sec

Replicates : 2 Format name : comport

Analysis Number	AS Posn	Sample ID	Sequence Name	Dilution	Weight / Volume
1	1	wcal standard	EPA_INCLP		
2	2	blank	EPA_INCLP		
3	3	# 1 standard	EPA_INCLP		
4	4	# 2 standard	EPA_INCLP		
5	5	# 3 standard	EPA_INCLP		
6	6	# 4 standard	EPA_INCLP		
7	7	# 5 standard	EPA_INCLP		
8	8	# 6 standard	EPA_INCLP		
9	9	# 7 standard	EPA_INCLP		
10	10	# 8 standard	EPA_INCLP		
11	11	ICVA(AB)	EPA_INCLP		
12	12	ICVB(AB)	EPA_INCLPA		
13	13	ICB	EPA_INCLP		
14	14	ICSA(AC):1	EPA_INCLP		
15	15	ICSAB(AD)2:1	EPA_INCLP		
16	16	CRI(AE):1	EPA_INCLP		
17	17	120380PB	EPA_INCLP		
18	18	120084	EPA_INCLP		
19	19	120085	EPA_INCLP		
20	20	120086	EPA_INCLP		
21	21	12008601	EPA_INCLP	1:5	
22	22	120086MS	EPA_INCLP		
23	23	120086DP	EPA_INCLP		
24	24	120087	EPA_INCLP		
25	25	120088	EPA_INCLP		
26	26	120089	EPA_INCLP		
27	27	CCVA(AB):1	EPA_INCLP		
28	12	CCVB(AB):1	EPA_INCLPA		
29	28	CCB:1	EPA_INCLP		
30	29	120381LC	EPA_INCLP		
31	30	120381LC	EPA_INCLP	1:20	
32	31	120382PB	EPA_INCLP		
33	32	120090	EPA_INCLP		
34	33	120094	EPA_INCLP		
35	34	120095	EPA_INCLP		
36	35	120096	EPA_INCLP		
37	36	12009601	EPA_INCLP	1:5	
38	37	120096MS	EPA_INCLP		
39	38	120096DP	EPA_INCLP		
40	39	CCVA(AB):2	EPA_INCLP		
41	12	CCVB(AB):2	EPA_INCLPA		
42	40	CCB:2	EPA_INCLP		
43	41	120097	EPA_INCLP		
44	42	120098	EPA_INCLP		
45	43	120099	EPA_INCLP		
46	44	120100	EPA_INCLP		
47	45	120197	EPA_INCLP		
48	46	120198	EPA_INCLP		
49	47	r1	EPA_INCLP		
50	51	CCVA(AB):3	EPA_INCLP		
51	12	CCVB(AB):3	EPA_INCLPA		
52	52	CCB:3	EPA_INCLP		
53	53	ICSA(AC):2	EPA_INCLP		
54	54	ICSAB(AD)2:2	EPA_INCLP		
55	16	CRI(AE):2	EPA_INCLP		

9/11/90
H, Na, Cd
Still need: Sb, K

Se196, L.O., 25, 50, 70.
1234567812345678123456781234567812345678123456781234567812345678
11-SEP-90 10:27:00 ICH1 Al396.1 Ca317.1 Fe259.1 Mg279.1
11-SEP-90 10:27:00 ICD1 Ag328 1193.39 14.14 0.0 0.0
11-SEP-90 10:27:00 ICD1 Al396 0.0 0.0 0.0 0.0
11-SEP-90 10:27:00 ICD1 Al396.1 1.0 0.0 0.0 0.0
11-SEP-90 10:27:01 ICD1 Ba455 0.0 13.06 0.0 0.0
11-SEP-90 10:27:01 ICD1 Be313.1 0.0 35.21 0.0 0.0
11-SEP-90 10:27:01 ICD1 Ca317 0.0 0.0 0.0 0.0
11-SEP-90 10:27:01 ICD1 Ca317.1 0.0 0.0 0.0 0.0
11-SEP-90 10:27:01 ICD1 Co238 0.0 0.0 0.0 0.0
11-SEP-90 10:27:01 ICD1 Cr267 28.31 0.0 28.35 28.99
11-SEP-90 10:27:01 ICD1 Cu324 0.0 0.0 69.88 0.0
11-SEP-90 10:27:01 ICD1 Fe259 0.0 0.0 0.0 0.0
11-SEP-90 10:27:01 ICD1 Fe259.1 0.0 0.0 1.0 0.0
11-SEP-90 10:27:02 ICD1 K766 0.0 0.0 0.0 0.0
11-SEP-90 10:27:02 ICD1 Mg279 0.0 0.0 0.0 0.0
11-SEP-90 10:27:02 ICD1 Mg279.1 0.0 0.0 0.0 1.0
11-SEP-90 10:27:02 ICD1 Mn257 12.65 0.0 125.06 68.41
11-SEP-90 10:27:02 ICD1 Na589 0.0 0.0 0.0 0.0

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 2
11-SEP-90 10:24

11-SEP-90	10:27:02	ICD1	Ni231	0.0	0.0	0.0	0.0		
11-SEP-90	10:27:02	ICD1	Pb220	0.0	0.0	0.0	0.0		
11-SEP-90	10:27:03	ICD1	Sb206	0.0	0.0	0.0	0.0		
11-SEP-90	10:27:03	ICD1	V292	0.0	0.0	0.0	0.0		
11-SEP-90	10:27:05	ICD1	Zn213	26.93	29.71	89.61	66.27		
11-SEP-90	10:28:33	wcal	standard	rep	1	Al396	em	11660.5	conc 100.000
11-SEP-90	10:28:37			rep	1	Sb206	em	27640.3	conc 100.000
11-SEP-90	10:28:46			rep	1	Na589	em	811.4	conc 1000.00
11-SEP-90	10:28:49			rep	1	Cd226	em	19953.2	conc 50.0000
11-SEP-90	10:29:04			rep	1	K766	em	-2257.9	conc 1000.00 window edge
11-SEP-90	10:29:23			rep	2	Al396	em	11711.6	conc 100.000
11-SEP-90	10:29:27			rep	2	Sb206	em	27852.3	conc 100.000
11-SEP-90	10:29:36			rep	2	Na589	em	808.3	conc 1000.00
11-SEP-90	10:29:39			rep	2	Cd226	em	20041.7	conc 50.0000
11-SEP-90	10:29:53			rep	2	K766	em	23581.3	conc 1000.00
11-SEP-90	10:31:22	blank		rep	1	Al396	em	14.2	
11-SEP-90	10:31:26			rep	1	Sb206	em	10.9	
11-SEP-90	10:31:33			rep	1	Na589	em	19.9	
11-SEP-90	10:31:37			rep	1	Cd226	em	79.1	
11-SEP-90	10:31:49			rep	1	K766	em	96.9	
11-SEP-90	10:32:06			rep	2	Al396	em	3.8	window edge
11-SEP-90	10:32:10			rep	2	Sb206	em	31.7	
11-SEP-90	10:32:17			rep	2	Na589	em	19.0	
11-SEP-90	10:32:21			rep	2	Cd226	em	162.0	
11-SEP-90	10:32:34			rep	2	K766	em	77.0	
11-SEP-90	10:33:58	# 1 standard		rep	1	Al396	em	19.8	conc 100.000
11-SEP-90	10:34:02			rep	1	Sb206	em	78.2	conc 100.000
11-SEP-90	10:34:09			rep	1	Na589	em	25.7	conc 1000.00
11-SEP-90	10:34:12			rep	1	Cd226	em	1233.8	conc 50.0000
11-SEP-90	10:34:25			rep	1	K766	em	88.0	conc 1000.00
11-SEP-90	10:34:42			rep	2	Al396	em	23.5	conc 100.000
11-SEP-90	10:34:46			rep	2	Sb206	em	74.9	conc 100.000
11-SEP-90	10:34:53			rep	2	Na589	em	26.4	conc 1000.00
11-SEP-90	10:34:56			rep	2	Cd226	em	1293.4	conc 50.0000
11-SEP-90	10:35:09			rep	2	K766	em	57.5	conc 1000.00
11-SEP-90	10:36:36	# 2 standard		rep	1	Al396	em	31.2	conc 100.000
11-SEP-90	10:36:40			rep	1	Sb206	em	67.9	conc 100.000
11-SEP-90	10:36:49			rep	1	Cd226	em	2626.4	conc 100.000
11-SEP-90	10:37:00			rep	2	Al396	em	26.2	conc 100.000
11-SEP-90	10:37:07			rep	2	Sb206	em	87.9	conc 100.000
11-SEP-90	10:37:15			rep	2	Cd226	em	2584.0	conc 100.000
11-SEP-90	10:38:39	# 3 standard		rep	1	Al396	em	72.2	conc 200.000
11-SEP-90	10:38:46			rep	1	Sb206	em	107.7	conc 200.000
11-SEP-90	10:38:55			rep	1	Cd226	em	5343.0	conc 200.000
11-SEP-90	10:39:06			rep	2	Al396	em	67.3	conc 200.000
11-SEP-90	10:39:13			rep	2	Sb206	em	148.9	conc 200.000
11-SEP-90	10:39:22			rep	2	Cd226	em	5362.8	conc 200.000
11-SEP-90	10:40:47	# 4 standard		rep	1	Al396	em	330.6	conc 1000.00
11-SEP-90	10:40:54			rep	1	Sb206	em	605.3	conc 1000.00
11-SEP-90	10:40:58			rep	1	Na589	em	85.3	conc 1000.00
11-SEP-90	10:41:14			rep	1	K766	em	147.8	conc 1000.00
11-SEP-90	10:41:30			rep	2	Al396	em	335.4	conc 1000.00
11-SEP-90	10:41:34			rep	2	Sb206	em	713.5	conc 1000.00
11-SEP-90	10:41:41			rep	2	Na589	em	86.6	conc 1000.00
11-SEP-90	10:41:57			rep	2	K766	em	174.6	conc 1000.00
11-SEP-90	10:43:27	# 5 standard		rep	1	Al396	em	1551.8	conc 5000.00
11-SEP-90	10:43:31			rep	1	Sb206	em	3204.4	conc 5000.00
11-SEP-90	10:43:38			rep	1	Na589	em	320.7	conc 5000.00
11-SEP-90	10:43:54			rep	1	K766	em	678.3	conc 5000.00
11-SEP-90	10:44:11			rep	2	Al396	em	1606.9	conc 5000.00
11-SEP-90	10:44:15			rep	2	Sb206	em	3226.8	conc 5000.00
11-SEP-90	10:44:22			rep	2	Na589	em	338.2	conc 5000.00
11-SEP-90	10:44:37			rep	2	K766	em	651.4	conc 5000.00
11-SEP-90	10:46:09	# 6 standard		rep	1	Al396	em	3113.6	conc 10000.0
11-SEP-90	10:46:20			rep	1	Na589	em	627.8	conc 10000.0
11-SEP-90	10:46:36			rep	1	K766	em	1275.8	conc 10000.0
11-SEP-90	10:46:52			rep	2	Al396	em	3106.2	conc 10000.0
11-SEP-90	10:47:03			rep	2	Na589	em	623.5	conc 10000.0
11-SEP-90	10:47:19			rep	2	K766	em	1329.6	conc 10000.0
11-SEP-90	10:48:51	# 7 standard		rep	1	Al396	em	14671.2	conc 50000.0
11-SEP-90	10:49:03			rep	1	Na589	em	2946.2	conc 50000.0
11-SEP-90	10:49:19			rep	1	K766	em	3261.0	conc 50000.0
11-SEP-90	10:49:35			rep	2	Al396	em	14918.5	conc 50000.0
11-SEP-90	10:49:46			rep	2	Na589	em	3085.7	conc 50000.0
11-SEP-90	10:50:02			rep	2	K766	em	3329.4	conc 50000.0
11-SEP-90	10:51:32	# 8 standard		rep	1	Na589	em	31127.5	conc 500000.0
11-SEP-90	10:51:48			rep	1	K766	em	13078.7	conc 100000.0
11-SEP-90	10:52:01			rep	2	Na589	em	30825.0	conc 500000.0
11-SEP-90	10:52:16			rep	2	K766	em	13416.8	conc 100000.0
11-SEP-90	10:53:50	ICVA(A8)		rep	1	Al396	conc	987.7	ug/l
11-SEP-90	10:53:54			rep	1	Sb206	conc	2039.72	ug/l
11-SEP-90	10:54:01			rep	1	Na589	conc	1599	ug/l
11-SEP-90	10:54:04			rep	1	Cd226	conc	466.442	ug/l
11-SEP-90	10:54:17			rep	1	K766	conc	4116	ug/l
11-SEP-90	10:54:34			rep	2	Al396	conc	912.7	ug/l
11-SEP-90	10:54:38			rep	2	Sb206	conc	1998.53	ug/l

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 3
11-SEP-90 10:24

11-SEP-90 10:54:45		rep 2	Na589	conc	1543	ug/l	
11-SEP-90 10:54:48		rep 2	Cd226	conc	470.649	ug/l	
11-SEP-90 10:55:01		rep 2	K766	conc	3521	ug/l	
11-SEP-90 10:56:36	ICVB(AB)	rep 1	Al396	conc	51360.2	ug/l	
11-SEP-90 10:56:47		rep 1	Na589	conc	48920	ug/l	
11-SEP-90 10:57:03		rep 1	K766	conc	58138	ug/l	
11-SEP-90 10:57:19		rep 2	Al396	conc	52630.1	ug/l	
11-SEP-90 10:57:30		rep 2	Na589	conc	49455	ug/l	
11-SEP-90 10:57:46		rep 2	K766	conc	57393	ug/l	
11-SEP-90 10:59:24	ICB	rep 1	Al396	conc	-133.3	ug/l	
11-SEP-90 10:59:27		rep 1	Sb206	conc	34.95	ug/l	
11-SEP-90 10:59:35		rep 1	Na589	conc	325	ug/l	
11-SEP-90 10:59:37		rep 1	Cd226	conc	0.855	ug/l	
11-SEP-90 10:59:51		rep 1	K766	conc	2804	ug/l	
11-SEP-90 11:00:07		rep 2	Al396	conc	-126.6	ug/l	
11-SEP-90 11:00:11		rep 2	Sb206	conc	-6.36	ug/l	window edge
11-SEP-90 11:00:18		rep 2	Na589	conc	362	ug/l	
11-SEP-90 11:00:21		rep 2	Cd226	conc	1.961	ug/l	
11-SEP-90 11:00:34		rep 2	K766	conc	2878	ug/l	
11-SEP-90 11:02:12	ICSA(AC):1	rep 1	Al396	conc	474866.1	ug/l	
11-SEP-90 11:02:15		rep 1	Sb206	conc	132.47	ug/l	
11-SEP-90 11:02:23		rep 1	Na589	conc	501	ug/l	
11-SEP-90 11:02:25		rep 1	Cd226	conc	18.663	ug/l	
11-SEP-90 11:02:39		rep 1	K766	conc	3011	ug/l	
11-SEP-90 11:02:55		rep 2	Al396	conc	481905.3	ug/l	
11-SEP-90 11:02:59		rep 2	Sb206	conc	19.33	ug/l	
11-SEP-90 11:03:06		rep 2	Na589	conc	487	ug/l	
11-SEP-90 11:03:09		rep 2	Cd226	conc	20.469	ug/l	
11-SEP-90 11:03:22		rep 2	K766	conc	2826	ug/l	
11-SEP-90 11:05:00	ICSAB(AD)2:1	rep 1	Al396	conc	489371.1	ug/l	
11-SEP-90 11:05:04		rep 1	Sb206	conc	995.55	ug/l	
11-SEP-90 11:05:12		rep 1	Na589	conc	494	ug/l	
11-SEP-90 11:05:14		rep 1	Cd226	conc	831.227	ug/l	
11-SEP-90 11:05:27		rep 1	K766	conc	2849	ug/l	
11-SEP-90 11:05:44		rep 2	Al396	conc	499079.0	ug/l	
11-SEP-90 11:05:48		rep 2	Sb206	conc	1014.17	ug/l	
11-SEP-90 11:05:55		rep 2	Na589	conc	476	ug/l	
11-SEP-90 11:05:58		rep 2	Cd226	conc	836.752	ug/l	
11-SEP-90 11:06:11		rep 2	K766	conc	2741	ug/l	
11-SEP-90 11:07:50	CRI(AE):1	rep 1	Al396	conc	266.2	ug/l	
11-SEP-90 11:07:54		rep 1	Sb206	conc	165.85	ug/l	
11-SEP-90 11:08:01		rep 1	Na589	conc	280	ug/l	
11-SEP-90 11:08:04		rep 1	Cd226	conc	5.300	ug/l	
11-SEP-90 11:08:17		rep 1	K766	conc	2874	ug/l	
11-SEP-90 11:08:34		rep 2	Al396	conc	255.3	ug/l	
11-SEP-90 11:08:38		rep 2	Sb206	conc	159.45	ug/l	
11-SEP-90 11:08:45		rep 2	Na589	conc	317	ug/l	
11-SEP-90 11:08:48		rep 2	Cd226	conc	6.744	ug/l	
11-SEP-90 11:09:00		rep 2	K766	conc	2209	ug/l	
11-SEP-90 11:10:41	120380PB	rep 1	Al396	conc	-169.0	ug/l	window edge
11-SEP-90 11:10:44		rep 1	Sb206	conc	50.89	ug/l	
11-SEP-90 11:10:52		rep 1	Na589	conc	322	ug/l	
11-SEP-90 11:10:55		rep 1	Cd226	conc	6.240	ug/l	
11-SEP-90 11:11:08		rep 1	K766	conc	2193	ug/l	
11-SEP-90 11:11:24		rep 2	Al396	conc	-126.1	ug/l	
11-SEP-90 11:11:28		rep 2	Sb206	conc	17.46	ug/l	
11-SEP-90 11:11:36		rep 2	Na589	conc	315	ug/l	
11-SEP-90 11:11:39		rep 2	Cd226	conc	-4.229	ug/l	window edge
11-SEP-90 11:11:51		rep 2	K766	conc	2817	ug/l	
11-SEP-90 11:13:33	120084	rep 1	Al396	conc	14564.5	ug/l	
11-SEP-90 11:13:36		rep 1	Sb206	conc	27.99	ug/l	
11-SEP-90 11:13:44		rep 1	Na589	conc	761	ug/l	
11-SEP-90 11:13:47		rep 1	Cd226	conc	1.282	ug/l	
11-SEP-90 11:14:00		rep 1	K766	conc	4191	ug/l	
11-SEP-90 11:14:16		rep 2	Al396	conc	14456.0	ug/l	
11-SEP-90 11:14:20		rep 2	Sb206	conc	80.23	ug/l	
11-SEP-90 11:14:27		rep 2	Na589	conc	779	ug/l	
11-SEP-90 11:14:31		rep 2	Cd226	conc	2.056	ug/l	
11-SEP-90 11:14:43		rep 2	K766	conc	5146	ug/l	
11-SEP-90 11:16:26	120085	rep 1	Al396	conc	21581.3	ug/l	
11-SEP-90 11:16:29		rep 1	Sb206	conc	-7.96	ug/l	window edge
11-SEP-90 11:16:37		rep 1	Na589	conc	1351	ug/l	
11-SEP-90 11:16:39		rep 1	Cd226	conc	3.439	ug/l	
11-SEP-90 11:16:53		rep 1	K766	conc	6000	ug/l	
11-SEP-90 11:17:09		rep 2	Al396	conc	21437.9	ug/l	
11-SEP-90 11:17:13		rep 2	Sb206	conc	21.19	ug/l	
11-SEP-90 11:17:20		rep 2	Na589	conc	1249	ug/l	
11-SEP-90 11:17:23		rep 2	Cd226	conc	3.575	ug/l	
11-SEP-90 11:17:36		rep 2	K766	conc	5253	ug/l	
11-SEP-90 11:19:20	120086	rep 1	Al396	conc	15384.7	ug/l	
11-SEP-90 11:19:23		rep 1	Sb206	conc	76.70	ug/l	
11-SEP-90 11:19:31		rep 1	Na589	conc	3656	ug/l	
11-SEP-90 11:19:33		rep 1	Cd226	conc	4.173	ug/l	
11-SEP-90 11:19:47		rep 1	K766	conc	4478	ug/l	
11-SEP-90 11:20:03		rep 2	Al396	conc	15468.9	ug/l	
11-SEP-90 11:20:07		rep 2	Sb206	conc	11.04	ug/l	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 4

11-SEP-90 10:24

11-SEP-90 11:20:14	rep	2	Na589	conc	3751	ug/l	
11-SEP-90 11:20:17	rep	2	Cd226	conc	2.529	ug/l	
11-SEP-90 11:20:30	rep	2	K766	conc	4656	ug/l	
11-SEP-90 11:22:14	rep	1	Al396	conc	13768.1	ug/l	12008601
11-SEP-90 11:22:18	rep	1	Sb206	conc	570.13	ug/l	
11-SEP-90 11:22:25	rep	1	Na589	conc	4368	ug/l	
11-SEP-90 11:22:28	rep	1	Cd226	conc	-0.035	ug/l	
11-SEP-90 11:22:41	rep	1	K766	conc	16465	ug/l	
11-SEP-90 11:22:58	rep	2	Al396	conc	13902.0	ug/l	
11-SEP-90 11:23:02	rep	2	Sb206	conc	827.94	ug/l	
11-SEP-90 11:23:09	rep	2	Na589	conc	4534	ug/l	
11-SEP-90 11:23:12	rep	2	Cd226	conc	12.776	ug/l	
11-SEP-90 11:23:24	rep	2	K766	conc	18901	ug/l	
11-SEP-90 11:25:10	rep	1	Al396	conc	21485.1	ug/l	120086MS
11-SEP-90 11:25:13	rep	1	Sb206	conc	438.87	ug/l	
11-SEP-90 11:25:21	rep	1	Na589	conc	2000	ug/l	
11-SEP-90 11:25:24	rep	1	Cd226	conc	46.145	ug/l	
11-SEP-90 11:25:37	rep	1	K766	conc	5706	ug/l	
11-SEP-90 11:25:53	rep	2	Al396	conc	22175.3	ug/l	
11-SEP-90 11:25:57	rep	2	Sb206	conc	423.80	ug/l	
11-SEP-90 11:26:05	rep	2	Na589	conc	2027	ug/l	
11-SEP-90 11:26:08	rep	2	Cd226	conc	48.425	ug/l	
11-SEP-90 11:26:20	rep	2	K766	conc	6248	ug/l	
11-SEP-90 11:28:07	rep	1	Al396	conc	16856.4	ug/l	120086DP
11-SEP-90 11:28:10	rep	1	Sb206	conc	44.47	ug/l	
11-SEP-90 11:28:18	rep	1	Na589	conc	1919	ug/l	
11-SEP-90 11:28:21	rep	1	Cd226	conc	-4.089	ug/l	window edge
11-SEP-90 11:28:34	rep	1	K766	conc	4610	ug/l	
11-SEP-90 11:28:50	rep	2	Al396	conc	16782.1	ug/l	
11-SEP-90 11:28:54	rep	2	Sb206	conc	54.57	ug/l	
11-SEP-90 11:29:02	rep	2	Na589	conc	1914	ug/l	
11-SEP-90 11:29:05	rep	2	Cd226	conc	1.042	ug/l	
11-SEP-90 11:29:17	rep	2	K766	conc	5031	ug/l	
11-SEP-90 11:31:05	rep	1	Al396	conc	20119.5	ug/l	120087
11-SEP-90 11:31:08	rep	1	Sb206	conc	99.02	ug/l	
11-SEP-90 11:31:16	rep	1	Na589	conc	1084	ug/l	
11-SEP-90 11:31:19	rep	1	Cd226	conc	2.171	ug/l	
11-SEP-90 11:31:32	rep	1	K766	conc	5290	ug/l	
11-SEP-90 11:31:48	rep	2	Al396	conc	20607.1	ug/l	
11-SEP-90 11:31:52	rep	2	Sb206	conc	71.36	ug/l	
11-SEP-90 11:31:59	rep	2	Na589	conc	1173	ug/l	
11-SEP-90 11:32:03	rep	2	Cd226	conc	0.542	ug/l	window edge
11-SEP-90 11:32:15	rep	2	K766	conc	5554	ug/l	
11-SEP-90 11:34:04	rep	1	Al396	conc	21602.1	ug/l	120088
11-SEP-90 11:34:07	rep	1	Sb206	conc	-61.28	ug/l	window edge
11-SEP-90 11:34:15	rep	1	Na589	conc	2067	ug/l	
11-SEP-90 11:34:18	rep	1	Cd226	conc	-0.206	ug/l	
11-SEP-90 11:34:31	rep	1	K766	conc	5491	ug/l	
11-SEP-90 11:34:47	rep	2	Al396	conc	21529.9	ug/l	
11-SEP-90 11:34:51	rep	2	Sb206	conc	104.44	ug/l	
11-SEP-90 11:34:58	rep	2	Na589	conc	1963	ug/l	
11-SEP-90 11:35:01	rep	2	Cd226	conc	1.750	ug/l	
11-SEP-90 11:35:14	rep	2	K766	conc	5940	ug/l	
11-SEP-90 11:37:03	rep	1	Al396	conc	23112.7	ug/l	120089
11-SEP-90 11:37:07	rep	1	Sb206	conc	-12.76	ug/l	window edge
11-SEP-90 11:37:15	rep	1	Na589	conc	938	ug/l	
11-SEP-90 11:37:17	rep	1	Cd226	conc	2.862	ug/l	
11-SEP-90 11:37:31	rep	1	K766	conc	5820	ug/l	
11-SEP-90 11:37:47	rep	2	Al396	conc	23344.5	ug/l	
11-SEP-90 11:37:51	rep	2	Sb206	conc	97.62	ug/l	
11-SEP-90 11:37:58	rep	2	Na589	conc	1027	ug/l	
11-SEP-90 11:38:01	rep	2	Cd226	conc	2.931	ug/l	
11-SEP-90 11:38:14	rep	2	K766	conc	6541	ug/l	
11-SEP-90 11:40:04	rep	1	Al396	conc	953.5	ug/l	CCVA(AB):1
11-SEP-90 11:40:08	rep	1	Sb206	conc	2058.48	ug/l	
11-SEP-90 11:40:15	rep	1	Na589	conc	1240	ug/l	
11-SEP-90 11:40:18	rep	1	Cd226	conc	478.461	ug/l	
11-SEP-90 11:40:31	rep	1	K766	conc	3779	ug/l	
11-SEP-90 11:40:48	rep	2	Al396	conc	938.4	ug/l	
11-SEP-90 11:40:52	rep	2	Sb206	conc	2123.50	ug/l	
11-SEP-90 11:40:59	rep	2	Na589	conc	1297	ug/l	
11-SEP-90 11:41:02	rep	2	Cd226	conc	471.106	ug/l	
11-SEP-90 11:41:15	rep	2	K766	conc	3418	ug/l	
11-SEP-90 11:42:58	rep	1	Al396	conc	53971.6	ug/l	CCV8(AB):1
11-SEP-90 11:43:09	rep	1	Na589	conc	50185	ug/l	
11-SEP-90 11:43:25	rep	1	K766	conc	59632	ug/l	
11-SEP-90 11:43:41	rep	2	Al396	conc	53989.5	ug/l	
11-SEP-90 11:43:52	rep	2	Na589	conc	48364	ug/l	
11-SEP-90 11:44:08	rep	2	K766	conc	59025	ug/l	
11-SEP-90 11:45:53	rep	1	Al396	conc	-124.1	ug/l	CC8:1
11-SEP-90 11:45:56	rep	1	Sb206	conc	74.28	ug/l	
11-SEP-90 11:46:04	rep	1	Na589	conc	307	ug/l	
11-SEP-90 11:46:06	rep	1	Cd226	conc	0.106	ug/l	
11-SEP-90 11:46:20	rep	1	K766	conc	2720	ug/l	window edge
11-SEP-90 11:46:36	rep	2	Al396	conc	-142.8	ug/l	
11-SEP-90 11:46:40	rep	2	Sb206	conc	45.94	ug/l	window edge

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 5

11-SEP-90 10:24

11-SEP-90 11:46:48	rep 2	Na589	conc	357	ug/l	
11-SEP-90 11:46:51	rep 2	Cd226	conc	-1.621	ug/l	
11-SEP-90 11:47:04	rep 2	K766	conc	2999	ug/l	
11-SEP-90 11:48:56	rep 1	Al396	conc	1699.0	ug/l	
11-SEP-90 11:48:59	rep 1	Sb206	conc	1123.11	ug/l	
11-SEP-90 11:49:07	rep 1	Na589	conc	571	ug/l	
11-SEP-90 11:49:10	rep 1	Cd226	conc	210.489	ug/l	
11-SEP-90 11:49:23	rep 1	K766	conc	2582	ug/l	
11-SEP-90 11:49:39	rep 2	Al396	conc	1823.5	ug/l	
11-SEP-90 11:49:43	rep 2	Sb206	conc	1155.42	ug/l	
11-SEP-90 11:49:50	rep 2	Na589	conc	557	ug/l	
11-SEP-90 11:49:54	rep 2	Cd226	conc	220.629	ug/l	
11-SEP-90 11:50:06	rep 2	K766	conc	3009	ug/l	
11-SEP-90 11:51:57	rep 1	Al396	conc	-958.6	ug/l	
11-SEP-90 11:52:01	rep 1	Sb206	conc	652.09	ug/l	window edge
11-SEP-90 11:52:09	rep 1	Na589	conc	6626	ug/l	
11-SEP-90 11:52:11	rep 1	Cd226	conc	244.531	ug/l	
11-SEP-90 11:52:25	rep 1	K766	conc	55670	ug/l	
11-SEP-90 11:52:41	rep 2	Al396	conc	-919.1	ug/l	
11-SEP-90 11:52:45	rep 2	Sb206	conc	2825.06	ug/l	
11-SEP-90 11:52:52	rep 2	Na589	conc	7677	ug/l	
11-SEP-90 11:52:55	rep 2	Cd226	conc	249.576	ug/l	
11-SEP-90 11:53:08	rep 2	K766	conc	59163	ug/l	
11-SEP-90 11:54:57	rep 1	Al396	conc	-135.8	ug/l	
11-SEP-90 11:55:01	rep 1	Sb206	conc	58.34	ug/l	
11-SEP-90 11:55:08	rep 1	Na589	conc	350	ug/l	
11-SEP-90 11:55:11	rep 1	Cd226	conc	0.292	ug/l	window edge
11-SEP-90 11:55:24	rep 1	K766	conc	2937	ug/l	
11-SEP-90 11:55:41	rep 2	Al396	conc	-121.7	ug/l	
11-SEP-90 11:55:45	rep 2	Sb206	conc	22.36	ug/l	window edge
11-SEP-90 11:55:52	rep 2	Na589	conc	346	ug/l	
11-SEP-90 11:55:55	rep 2	Cd226	conc	-2.409	ug/l	
11-SEP-90 11:56:08	rep 2	K766	conc	2620	ug/l	
11-SEP-90 11:57:56	rep 1	Al396	conc	-149.0	ug/l	
11-SEP-90 11:57:59	rep 1	Sb206	conc	139.24	ug/l	
11-SEP-90 11:58:07	rep 1	Na589	conc	440	ug/l	
11-SEP-90 11:58:10	rep 1	Cd226	conc	1.380	ug/l	
11-SEP-90 11:58:23	rep 1	K766	conc	2879	ug/l	
11-SEP-90 11:58:39	rep 2	Al396	conc	-157.3	ug/l	window edge
11-SEP-90 11:58:43	rep 2	Sb206	conc	9.30	ug/l	
11-SEP-90 11:58:51	rep 2	Na589	conc	320	ug/l	
11-SEP-90 11:58:54	rep 2	Cd226	conc	1.290	ug/l	
11-SEP-90 11:59:06	rep 2	K766	conc	2712	ug/l	
11-SEP-90 12:00:54	rep 1	Al396	conc	-84.0	ug/l	
11-SEP-90 12:00:57	rep 1	Sb206	conc	52.86	ug/l	
11-SEP-90 12:01:05	rep 1	Na589	conc	4915	ug/l	
11-SEP-90 12:01:08	rep 1	Cd226	conc	0.154	ug/l	window edge
11-SEP-90 12:01:21	rep 1	K766	conc	4067	ug/l	
11-SEP-90 12:01:37	rep 2	Al396	conc	-145.3	ug/l	
11-SEP-90 12:01:41	rep 2	Sb206	conc	72.95	ug/l	
11-SEP-90 12:01:48	rep 2	Na589	conc	5064	ug/l	
11-SEP-90 12:01:52	rep 2	Cd226	conc	3.473	ug/l	
11-SEP-90 12:02:04	rep 2	K766	conc	3657	ug/l	
11-SEP-90 12:03:50	rep 1	Al396	conc	-111.8	ug/l	
11-SEP-90 12:03:54	rep 1	Sb206	conc	-12.86	ug/l	window edge
11-SEP-90 12:04:06	rep 1	Cd226	conc	2.858	ug/l	
11-SEP-90 12:04:10	rep 1	Na589	conc	4961	ug/l	
11-SEP-90 12:04:29	rep 1	K766	conc	4125	ug/l	
11-SEP-90 12:04:49	rep 2	Al396	conc	-131.3	ug/l	
11-SEP-90 12:04:53	rep 2	Sb206	conc	48.32	ug/l	window edge
11-SEP-90 12:05:05	rep 2	Cd226	conc	1.627	ug/l	
11-SEP-90 12:05:09	rep 2	Na589	conc	4947	ug/l	
11-SEP-90 12:05:25	rep 2	K766	conc	3587	ug/l	
11-SEP-90 12:07:11	rep 1	Al396	conc	-128.7	ug/l	
11-SEP-90 12:07:14	rep 1	Sb206	conc	62.55	ug/l	
11-SEP-90 12:07:22	rep 1	Na589	conc	4989	ug/l	
11-SEP-90 12:07:25	rep 1	Cd226	conc	-0.283	ug/l	
11-SEP-90 12:07:38	rep 1	K766	conc	3797	ug/l	
11-SEP-90 12:07:54	rep 2	Al396	conc	-123.1	ug/l	
11-SEP-90 12:07:58	rep 2	Sb206	conc	99.81	ug/l	
11-SEP-90 12:08:05	rep 2	Na589	conc	5004	ug/l	
11-SEP-90 12:08:08	rep 2	Cd226	conc	0.689	ug/l	window edge
11-SEP-90 12:08:21	rep 2	K766	conc	3569	ug/l	
11-SEP-90 12:10:05	rep 1	Al396	conc	-654.0	ug/l	
11-SEP-90 12:10:09	rep 1	Sb206	conc	358.08	ug/l	
11-SEP-90 12:10:17	rep 1	Na589	conc	6294	ug/l	
11-SEP-90 12:10:19	rep 1	Cd226	conc	14.888	ug/l	
11-SEP-90 12:10:32	rep 1	K766	conc	14028	ug/l	
11-SEP-90 12:10:49	rep 2	Al396	conc	-648.5	ug/l	
11-SEP-90 12:10:53	rep 2	Sb206	conc	212.65	ug/l	
11-SEP-90 12:11:00	rep 2	Na589	conc	6636	ug/l	
11-SEP-90 12:11:03	rep 2	Cd226	conc	5.602	ug/l	
11-SEP-90 12:11:16	rep 2	K766	conc	16773	ug/l	
11-SEP-90 12:12:59	rep 1	Al396	conc	1966.3	ug/l	
11-SEP-90 12:13:03	rep 1	Sb206	conc	574.43	ug/l	
11-SEP-90 12:13:10	rep 1	Na589	conc	5067	ug/l	

000103

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCHN.11SEP901024
Method: EPAINCLP

ICP2--2DW 6
11-SEP-90 10:24

11-SEP-90 12:13:13	rep 1	Cd226	conc	43.763	ug/l	
11-SEP-90 12:13:26	rep 1	K766	conc	3627	ug/l	
11-SEP-90 12:13:43	rep 2	Al396	conc	2003.0	ug/l	
11-SEP-90 12:13:47	rep 2	Sb206	conc	544.60	ug/l	
11-SEP-90 12:13:54	rep 2	Na589	conc	5044	ug/l	
11-SEP-90 12:13:57	rep 2	Cd226	conc	45.523	ug/l	
11-SEP-90 12:14:09	rep 2	K766	conc	3325	ug/l	
11-SEP-90 12:15:52	rep 1	Al396	conc	-118.2	ug/l	120096DP
11-SEP-90 12:15:55	rep 1	Sb206	conc	130.03	ug/l	
11-SEP-90 12:16:03	rep 1	Na589	conc	4831	ug/l	
11-SEP-90 12:16:06	rep 1	Cd226	conc	2.770	ug/l	
11-SEP-90 12:16:19	rep 1	K766	conc	4178	ug/l	
11-SEP-90 12:16:35	rep 2	Al396	conc	-116.0	ug/l	
11-SEP-90 12:16:39	rep 2	Sb206	conc	109.28	ug/l	
11-SEP-90 12:16:47	rep 2	Na589	conc	4985	ug/l	
11-SEP-90 12:16:50	rep 2	Cd226	conc	3.774	ug/l	
11-SEP-90 12:17:02	rep 2	K766	conc	4041	ug/l	
11-SEP-90 12:18:44	rep 1	Al396	conc	950.7	ug/l	CCVA(AB):2
11-SEP-90 12:18:47	rep 1	Sb206	conc	1925.35	ug/l	
11-SEP-90 12:18:55	rep 1	Na589	conc	1286	ug/l	
11-SEP-90 12:18:58	rep 1	Cd226	conc	470.684	ug/l	
11-SEP-90 12:19:11	rep 1	K766	conc	3253	ug/l	
11-SEP-90 12:19:27	rep 2	Al396	conc	918.6	ug/l	
11-SEP-90 12:19:31	rep 2	Sb206	conc	2021.98	ug/l	
11-SEP-90 12:19:38	rep 2	Na589	conc	1322	ug/l	
11-SEP-90 12:19:42	rep 2	Cd226	conc	468.130	ug/l	
11-SEP-90 12:19:54	rep 2	K766	conc	3700	ug/l	
11-SEP-90 12:21:32	rep 1	Al396	conc	52495.6	ug/l	CCVB(AB):2
11-SEP-90 12:21:44	rep 1	Na589	conc	48607	ug/l	
11-SEP-90 12:21:59	rep 1	K766	conc	57480	ug/l	
11-SEP-90 12:22:16	rep 2	Al396	conc	53117.5	ug/l	
11-SEP-90 12:22:27	rep 2	Na589	conc	49768	ug/l	
11-SEP-90 12:22:43	rep 2	K766	conc	61294	ug/l	
11-SEP-90 12:24:21	rep 1	Al396	conc	-135.9	ug/l	CCB:2
11-SEP-90 12:24:25	rep 1	Sb206	conc	100.78	ug/l	
11-SEP-90 12:24:32	rep 1	Na589	conc	327	ug/l	
11-SEP-90 12:24:35	rep 1	Cd226	conc	-0.466	ug/l	
11-SEP-90 12:24:48	rep 1	K766	conc	2549	ug/l	window edge
11-SEP-90 12:25:05	rep 2	Al396	conc	-158.7	ug/l	
11-SEP-90 12:25:09	rep 2	Sb206	conc	87.42	ug/l	
11-SEP-90 12:25:16	rep 2	Na589	conc	328	ug/l	
11-SEP-90 12:25:19	rep 2	Cd226	conc	-2.409	ug/l	window edge
11-SEP-90 12:25:31	rep 2	K766	conc	2764	ug/l	
11-SEP-90 12:27:11	rep 1	Al396	conc	-94.2	ug/l	120097
11-SEP-90 12:27:14	rep 1	Sb206	conc	75.93	ug/l	
11-SEP-90 12:27:22	rep 1	Na589	conc	4940	ug/l	
11-SEP-90 12:27:25	rep 1	Cd226	conc	2.677	ug/l	
11-SEP-90 12:27:38	rep 1	K766	conc	3581	ug/l	
11-SEP-90 12:27:54	rep 2	Al396	conc	-103.1	ug/l	
11-SEP-90 12:27:58	rep 2	Sb206	conc	45.30	ug/l	
11-SEP-90 12:28:06	rep 2	Na589	conc	4811	ug/l	
11-SEP-90 12:28:09	rep 2	Cd226	conc	6.298	ug/l	
11-SEP-90 12:28:21	rep 2	K766	conc	4022	ug/l	
11-SEP-90 12:30:00	rep 1	Al396	conc	-119.8	ug/l	120098
11-SEP-90 12:30:03	rep 1	Sb206	conc	56.28	ug/l	
11-SEP-90 12:30:11	rep 1	Na589	conc	265	ug/l	
11-SEP-90 12:30:14	rep 1	Cd226	conc	0.404	ug/l	
11-SEP-90 12:30:27	rep 1	K766	conc	2714	ug/l	
11-SEP-90 12:30:43	rep 2	Al396	conc	-128.5	ug/l	
11-SEP-90 12:30:47	rep 2	Sb206	conc	86.39	ug/l	
11-SEP-90 12:30:54	rep 2	Na589	conc	321	ug/l	
11-SEP-90 12:30:58	rep 2	Cd226	conc	0.163	ug/l	
11-SEP-90 12:31:10	rep 2	K766	conc	3201	ug/l	
11-SEP-90 12:32:48	rep 1	Al396	conc	-129.7	ug/l	120099
11-SEP-90 12:32:51	rep 1	Sb206	conc	105.12	ug/l	
11-SEP-90 12:32:59	rep 1	Na589	conc	4885	ug/l	
11-SEP-90 12:33:02	rep 1	Cd226	conc	0.291	ug/l	
11-SEP-90 12:33:15	rep 1	K766	conc	3965	ug/l	
11-SEP-90 12:33:31	rep 2	Al396	conc	-134.4	ug/l	
11-SEP-90 12:33:35	rep 2	Sb206	conc	-9.53	ug/l	window edge
11-SEP-90 12:33:55	rep 2	Na589	conc	5073	ug/l	
11-SEP-90 12:33:58	rep 2	Cd226	conc	1.219	ug/l	
11-SEP-90 12:33:58	rep 2	K766	conc	4446	ug/l	
11-SEP-90 12:35:35	rep 1	Al396	conc	-116.0	ug/l	120100
11-SEP-90 12:35:38	rep 1	Sb206	conc	52.18	ug/l	
11-SEP-90 12:35:46	rep 1	Na589	conc	3842	ug/l	
11-SEP-90 12:35:49	rep 1	Cd226	conc	-0.674	ug/l	window edge
11-SEP-90 12:36:02	rep 1	K766	conc	4341	ug/l	
11-SEP-90 12:36:18	rep 2	Al396	conc	-103.8	ug/l	
11-SEP-90 12:36:22	rep 2	Sb206	conc	139.52	ug/l	
11-SEP-90 12:36:29	rep 2	Na589	conc	3962	ug/l	
11-SEP-90 12:36:32	rep 2	Cd226	conc	0.205	ug/l	
11-SEP-90 12:36:45	rep 2	K766	conc	3583	ug/l	
11-SEP-90 12:38:20	rep 1	Al396	conc	-165.9	ug/l	120197
11-SEP-90 12:38:24	rep 1	Sb206	conc	35.06	ug/l	
11-SEP-90 12:38:31	rep 1	Na589	conc	713236	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901024
Method: EPAINCLP

ICP2--2DW 7

11-SEP-90 10:24

11-SEP-90 12:38:34	rep 1	Cd226	conc	4.991 ug/l	
11-SEP-90 12:38:47	rep 1	K766	conc	30581 ug/l	
11-SEP-90 12:39:04	rep 2	Al396	conc	-153.5 ug/l	
11-SEP-90 12:39:08	rep 2	Sb206	conc	107.70 ug/l	
11-SEP-90 12:39:15	rep 2	Na589	conc	710551 ug/l	
11-SEP-90 12:39:18	rep 2	Cd226	conc	5.966 ug/l	
11-SEP-90 12:39:31	rep 2	K766	conc	28786 ug/l	
11-SEP-90 12:41:05	rep 1	Al396	conc	1964.2 ug/l	120198
11-SEP-90 12:41:09	rep 1	Sb206	conc	1002.54 ug/l	
11-SEP-90 12:41:16	rep 1	Na589	conc	49715 ug/l	
11-SEP-90 12:41:19	rep 1	Cd226	conc	444.118 ug/l	
11-SEP-90 12:41:32	rep 1	K766	conc	58037 ug/l	
11-SEP-90 12:41:49	rep 2	Al396	conc	1903.0 ug/l	
11-SEP-90 12:41:53	rep 2	Sb206	conc	1024.16 ug/l	
11-SEP-90 12:42:00	rep 2	Na589	conc	49631 ug/l	
11-SEP-90 12:42:03	rep 2	Cd226	conc	457.884 ug/l	
11-SEP-90 12:42:15	rep 2	K766	conc	58014 ug/l	
11-SEP-90 12:43:49	rep 1	Al396	conc	-143.5 ug/l	r1
11-SEP-90 12:43:52	rep 1	Sb206	conc	53.10 ug/l	
11-SEP-90 12:44:00	rep 1	Na589	conc	443 ug/l	
11-SEP-90 12:44:03	rep 1	Cd226	conc	2.537 ug/l	
11-SEP-90 12:44:16	rep 1	K766	conc	3048 ug/l	
11-SEP-90 12:44:32	rep 2	Al396	conc	-138.8 ug/l	
11-SEP-90 12:44:36	rep 2	Sb206	conc	-10.06 ug/l	
11-SEP-90 12:44:43	rep 2	Na589	conc	425 ug/l	
11-SEP-90 12:44:47	rep 2	Cd226	conc	1.218 ug/l	
11-SEP-90 12:44:59	rep 2	K766	conc	2277 ug/l	
11-SEP-90 12:46:30	rep 1	Al396	conc	941.2 ug/l	CCVA(AB):3
11-SEP-90 12:46:33	rep 1	Sb206	conc	1951.02 ug/l	
11-SEP-90 12:46:41	rep 1	Na589	conc	1401 ug/l	
11-SEP-90 12:46:44	rep 1	Cd226	conc	469.996 ug/l	
11-SEP-90 12:46:57	rep 1	K766	conc	3955 ug/l	
11-SEP-90 12:47:13	rep 2	Al396	conc	910.2 ug/l	
11-SEP-90 12:47:17	rep 2	Sb206	conc	1965.40 ug/l	
11-SEP-90 12:47:24	rep 2	Na589	conc	1400 ug/l	
11-SEP-90 12:47:28	rep 2	Cd226	conc	464.817 ug/l	
11-SEP-90 12:47:40	rep 2	K766	conc	3818 ug/l	
11-SEP-90 12:49:12	rep 1	Al396	conc	53890.2 ug/l	CCVB(AB):3
11-SEP-90 12:49:24	rep 1	Na589	conc	50226 ug/l	
11-SEP-90 12:49:40	rep 1	K766	conc	60542 ug/l	
11-SEP-90 12:49:56	rep 2	Al396	conc	53230.9 ug/l	
11-SEP-90 12:50:07	rep 2	Na589	conc	49867 ug/l	
11-SEP-90 12:50:23	rep 2	K766	conc	60042 ug/l	
11-SEP-90 12:51:55	rep 1	Al396	conc	-119.6 ug/l	CCB:3
11-SEP-90 12:51:59	rep 1	Sb206	conc	54.74 ug/l	
11-SEP-90 12:52:06	rep 1	Na589	conc	292 ug/l	
11-SEP-90 12:52:09	rep 1	Cd226	conc	-1.681 ug/l	
11-SEP-90 12:52:22	rep 1	K766	conc	3102 ug/l	window edge
11-SEP-90 12:52:39	rep 2	Al396	conc	-113.0 ug/l	
11-SEP-90 12:52:43	rep 2	Sb206	conc	-41.90 ug/l	window edge
11-SEP-90 12:52:50	rep 2	Na589	conc	375 ug/l	
11-SEP-90 12:52:53	rep 2	Cd226	conc	1.034 ug/l	
11-SEP-90 12:53:05	rep 2	K766	conc	2509 ug/l	
11-SEP-90 12:54:33	rep 1	Al396	conc	480068.3 ug/l	ICSA(AC):2
11-SEP-90 12:54:36	rep 1	Sb206	conc	37.13 ug/l	
11-SEP-90 12:54:44	rep 1	Na589	conc	442 ug/l	
11-SEP-90 12:54:47	rep 1	Cd226	conc	19.096 ug/l	
11-SEP-90 12:55:00	rep 1	K766	conc	2683 ug/l	
11-SEP-90 12:55:16	rep 2	Al396	conc	502008.1 ug/l	
11-SEP-90 12:55:20	rep 2	Sb206	conc	44.19 ug/l	
11-SEP-90 12:55:28	rep 2	Na589	conc	378 ug/l	
11-SEP-90 12:55:31	rep 2	Cd226	conc	17.723 ug/l	
11-SEP-90 12:55:43	rep 2	K766	conc	3323 ug/l	
11-SEP-90 12:57:10	rep 1	Al396	conc	514228.1 ug/l	ICSAB(AD)2:2
11-SEP-90 12:57:13	rep 1	Sb206	conc	1061.72 ug/l	
11-SEP-90 12:57:21	rep 1	Na589	conc	446 ug/l	
11-SEP-90 12:57:24	rep 1	Cd226	conc	865.941 ug/l	
11-SEP-90 12:57:37	rep 1	K766	conc	3167 ug/l	
11-SEP-90 12:57:53	rep 2	Al396	conc	520656.3 ug/l	
11-SEP-90 12:57:57	rep 2	Sb206	conc	1135.52 ug/l	
11-SEP-90 12:58:05	rep 2	Na589	conc	491 ug/l	
11-SEP-90 12:58:08	rep 2	Cd226	conc	859.217 ug/l	
11-SEP-90 12:58:20	rep 2	K766	conc	2678 ug/l	
11-SEP-90 12:59:54	rep 1	Al396	conc	299.3 ug/l	CRI(AE):2
11-SEP-90 12:59:57	rep 1	Sb206	conc	84.97 ug/l	
11-SEP-90 13:00:05	rep 1	Na589	conc	294 ug/l	
11-SEP-90 13:00:08	rep 1	Cd226	conc	12.523 ug/l	
11-SEP-90 13:00:21	rep 1	K766	conc	3274 ug/l	
11-SEP-90 13:00:37	rep 2	Al396	conc	280.5 ug/l	
11-SEP-90 13:00:41	rep 2	Sb206	conc	166.38 ug/l	
11-SEP-90 13:00:48	rep 2	Na589	conc	347 ug/l	
11-SEP-90 13:00:52	rep 2	Cd226	conc	7.705 ug/l	
11-SEP-90 13:01:04	rep 2	K766	conc	2895 ug/l	
11-SEP-90 13:01:53	End method EPA_INCLP				

000105

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901327
Method: EPAINCLP

ETR:22840 (NEWYRK)

ICP2--2DY 5
11-SEP-90 13:27

120197 907601 : (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
K766	14:45	1:1	23928.00	23837.420	24000 a	23900 ✓

120198 LCS : ()

50.00 g sample to 50. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
K766	14:46	1:1	43949.50 ✓	43949.500 ✓	44000 a	

OR

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP2_WATCH.11SEP901327
Method: EPAINCLP

ETR:22777(AQQAMT)

ICP2--2DY 1
11-SEP-90 13:27

120086D1 S403I

S.D. :[SER] (Soil)

1.08 g sample to 200. ml digestate by FPC on 08-30-90 [X0](Method:CLPDIGSOIL:ICP)

Solids determination was not requested.

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg(as rec'd)	BITLAB Value	Notes
K766	13:59	1:5.00	1013.30	187.685	<5000 e	

120096D1 W403I

S.D. :[SER] (Water)

100.08 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
K766	14:28	1:5.00	-101.50	-101.419	<30000 a	

120380PB PB602

: [PBK]08/30/90 (Soil)

1.52 g sample to 200. ml digestate by FPC on 08-30-90 [X0](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
K766	13:53	1:1	347.00	45.658	<700 f	50.4

120381LC

LCS, SOLIDS LCS

: [LCS]08/30/90 (Soil)

1.05 g sample to 200. ml digestate by FPC on 08-30-90 [X0](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
K766	14:16	1:1	422.50	80.476	<1000 f	80.5

120382PB

PB608

: [PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
K766	14:19	1:1	271.50	271.066	<5000 a	< 322.5

Calibration Summary

Watch file name: ICP\$MAIN:[ICP:EPAINCLP]ICP2_WATCH.11SEP901327
Method: EPAINCLP

K 766

ICP2--2DY 1
11-SEP-90 13:27

Unweighted Linear Calibration Summary for K766

N= 5 Slope= 0.1343 Intrcpt= 60.52 Correlation(r)=0.999997

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	67.15	0.	49.33	-49.33	
# 4 standard	172.30	1000.	832.21	167.79	16.78
# 5 standard	741.50	5000.	5070.06	-70.06	-1.40
# 6 standard	1411.15	10000.	10055.80	-55.80	-0.56
# 8 standard	13490.85	100000.	99992.60	7.40	0.01

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	52015.00	-2015.00	-4.03	
ICB	BLANK		0	2500	371.00	-371.00		4382.9
ICSA(AC):1	INCKA		0	999999	48.50	-48.50		
ICSAB(AD):2:1	INTCB		0	999999	153.50	-153.50		
CCVB(AB):1	CKSTB	45000	50000	55000	52074.50	-2074.50	-4.15	4382.9
CCB:1	BLANK		0	2500	357.50	-357.50		
CCVB(AB):2	CKSTB	45000	50000	55000	52253.00	-2253.00	-4.51	4382.9
CCB:2	BLANK		0	2500	77.50	-77.50		
CCVB(AB):3	CKSTB	45000	50000	55000	546756.50	3243.50	6.49	421.08
CCB:3	BLANK		0	2500	421.00	-421.00		
ICSA(AC):2	INCKA		0	999999	586.00	-586.00		
ICS AB								
No QC failures detected for K766								
330.5								

Analytical Sample Evaluations

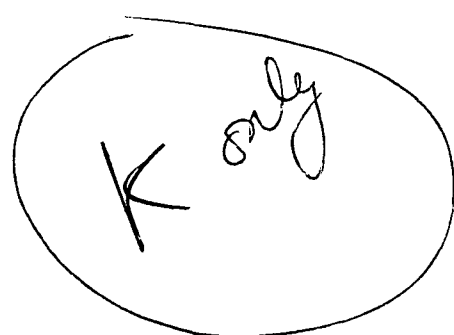
DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	347.00	347	
	120084	2378.00	2380	
	120085	2553.00	2550	
	120086	2226.00	2230	
5.00	120086D1	1013.50	1010	
	120086MS	3229.00	3230	
	120086DP	2630.50	2630	
	120087	2875.50	2880	
	120088	2434.50	2440	
	120089	3551.00	3550	
	120381LC	422.50	423	
20.0	120381LC	8542.50	8540	
	120382PB	271.50	272	
	120090	307.00	307	
	120094	1082.50	1080	
	120095	1082.00	1080	
	120096	982.50	983	
5.00	120096D1	-101.50	-102	
	120096MS	1212.00	1210	
	120096DP	616.00	616	
	120097	1241.00	1240	
	120098	140.50	141	
	120099	855.50	856	
	120100	1512.50	1510	
	120197	23928.00	23900	
	120198	43949.50	44000	
	r1	-119.50	-120	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP2_WATCH.11SEP901327
Method: EPA\INCLP

ICP2--2DY 1
11-SEP-90 13:27

11-SEP-90 13:27:49 Begin method EPA INCLP
11-SEP-90 13:28:13 Method Name: 000Method
11-SEP-90 13:28:13
11-SEP-90 13:28:14 Comment:JJ0
11-SEP-90 13:28:14
11-SEP-90 13:28:15 Read Delay : 25 sec Replicates : 2 Format name : comport
11-SEP-90 13:28:15
11-SEP-90 13:28:15 Analysis AS Sample ID Sequence Dilution Weight / Volume
11-SEP-90 13:28:15 Number Posn Name
11-SEP-90 13:28:15 1 1 wcal standard EPA INCLP
11-SEP-90 13:28:15 2 2 blank EPA INCLP
11-SEP-90 13:28:15 3 3 # 1 standard EPA INCLP
11-SEP-90 13:28:15 4 4 # 2 standard EPA INCLP
11-SEP-90 13:28:16 5 5 # 3 standard EPA INCLP
11-SEP-90 13:28:19 6 6 # 4 standard EPA INCLP
11-SEP-90 13:28:19 7 7 # 5 standard EPA INCLP
11-SEP-90 13:28:19 8 8 # 6 standard EPA INCLP
11-SEP-90 13:28:19 9 9 # 7 standard EPA INCLP
11-SEP-90 13:28:20 10 10 # 8 standard EPA INCLP
11-SEP-90 13:28:21 11 11 ICVA(AB) EPA INCLP
11-SEP-90 13:28:21 12 12 ICVB(AB) EPA INCLPA
11-SEP-90 13:28:21 13 13 ICB EPA INCLP
11-SEP-90 13:28:21 14 14 ICSA(AC):1 EPA INCLP
11-SEP-90 13:28:22 15 15 ICSAB(AD)2:1 EPA INCLP
11-SEP-90 13:28:23 16 16 CRI(AE):1 EPA INCLP
11-SEP-90 13:28:23 17 17 120380PB EPA INCLP
11-SEP-90 13:28:24 18 18 120084 EPA INCLP
11-SEP-90 13:28:24 19 19 120085 EPA INCLP
11-SEP-90 13:28:24 20 20 120086 EPA INCLP
11-SEP-90 13:28:24 21 21 12008601 EPA INCLP 1:5
11-SEP-90 13:28:24 22 22 120086MS EPA INCLP
11-SEP-90 13:28:24 23 23 120086DP EPA INCLP
11-SEP-90 13:28:24 24 24 120087 EPA INCLP
11-SEP-90 13:28:25 25 25 120088 EPA INCLP
11-SEP-90 13:28:26 26 26 120089 EPA INCLP
11-SEP-90 13:28:26 27 27 CCVA(AB):1 EPA INCLP
11-SEP-90 13:28:26 28 12 CCVB(AB):1 EPA INCLPA
11-SEP-90 13:28:26 29 28 CCB:1 EPA INCLP
11-SEP-90 13:28:26 30 29 120381LC EPA INCLP
11-SEP-90 13:28:26 31 30 120381LC EPA INCLP 1:20
11-SEP-90 13:28:26 32 31 120382PB EPA INCLP
11-SEP-90 13:28:27 33 32 120090 EPA INCLP
11-SEP-90 13:28:27 34 33 120094 EPA INCLP
11-SEP-90 13:28:27 35 34 120095 EPA INCLP
11-SEP-90 13:28:27 36 35 120096 EPA INCLP
11-SEP-90 13:28:27 37 36 12009601 EPA INCLP 1:5
11-SEP-90 13:28:27 38 37 120096MS EPA INCLP
11-SEP-90 13:28:27 39 38 120096DP EPA INCLP
11-SEP-90 13:28:29 40 39 CCVA(AB):2 EPA INCLP
11-SEP-90 13:28:30 41 12 CCVB(AB):2 EPA INCLPA
11-SEP-90 13:28:30 42 40 CCB:2 EPA INCLP
11-SEP-90 13:28:30 43 41 120097 EPA INCLP
11-SEP-90 13:28:30 44 42 120098 EPA INCLP
11-SEP-90 13:28:30 45 43 120099 EPA INCLP
11-SEP-90 13:28:30 46 44 120100 EPA INCLP
11-SEP-90 13:28:31 47 45 120197 EPA INCLP
11-SEP-90 13:28:31 48 46 120198 EPA INCLP
11-SEP-90 13:28:31 49 47 r1 EPA INCLP
11-SEP-90 13:28:32 50 51 CCVA(AB):3 EPA INCLP
11-SEP-90 13:28:32 51 12 CCVB(AB):3 EPA INCLPA
11-SEP-90 13:28:32 52 52 CCB:3 EPA INCLP
11-SEP-90 13:28:33 53 53 ICSA(AC):2 EPA INCLP
11-SEP-90 13:28:33 54 54 ICSAB(AD)2:2 EPA INCLP
11-SEP-90 13:28:34 55 16 CRI(AE):2 EPA INCLP



11-SEP-90 13:28:36 Se196, L, 0., 25., 50., 70.
11-SEP-90 13:28:36 1234567812345678123456781234567812345678123456781234567812345678
11-SEP-90 13:28:36 ICH1 Al396.1 Ca317.1 Fe259.1 Mg279.1
11-SEP-90 13:28:36 ICD1 Ag328 1193.39 14.14 0.0 0.0
11-SEP-90 13:28:36 ICD1 Al396 0.0 0.0 0.0 0.0
11-SEP-90 13:28:36 ICD1 Al396.1 1.0 0.0 0.0 0.0
11-SEP-90 13:28:36 ICD1 Ba455 0.0 13.06 0.0 0.0
11-SEP-90 13:28:37 ICD1 Be313.1 0.0 35.21 0.0 0.0
11-SEP-90 13:28:38 ICD1 Ca317 0.0 0.0 0.0 0.0
11-SEP-90 13:28:38 ICD1 Ca317.1 0.0 0.0 0.0 0.0
11-SEP-90 13:28:38 ICD1 Co238 0.0 0.0 0.0 0.0
11-SEP-90 13:28:38 ICD1 Cr267 28.31 0.0 28.35 28.99
11-SEP-90 13:28:38 ICD1 Cu324 0.0 0.0 69.88 0.0
11-SEP-90 13:28:38 ICD1 Fe259 0.0 0.0 0.0 0.0
11-SEP-90 13:28:38 ICD1 Fe259.1 0.0 0.0 1.0 0.0
11-SEP-90 13:28:38 ICD1 K766 0.0 0.0 0.0 0.0
11-SEP-90 13:28:38 ICD1 Mg279 0.0 0.0 0.0 0.0
11-SEP-90 13:28:40 ICD1 Mg279.1 0.0 0.0 0.0 1.0
11-SEP-90 13:28:40 ICD1 Mn257 12.65 0.0 125.06 68.41
11-SEP-90 13:28:41 ICD1 Na589 0.0 0.0 0.0 0.0

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901327
Method: EPAINCLP

ICP2--2DY 2
11-SEP-90 13:27

11-SEP-90	13:28:41	IC01	Ni231	0.0	0.0	0.0	0.0				
11-SEP-90	13:28:42	IC01	Pb220	0.0	0.0	0.0	0.0				
11-SEP-90	13:28:43	IC01	Sb206	0.0	0.0	0.0	0.0				
11-SEP-90	13:28:43	IC01	V292	0.0	0.0	0.0	0.0				
11-SEP-90	13:28:43	IC01	Zn213	26.93	29.71	89.61	66.27				
11-SEP-90	13:29:55			rep 1	K766	em	2265.2	conc	1000.00	window edge	
11-SEP-90	13:30:12			rep 2	K766	em	23997.5	conc	1000.00		
11-SEP-90	13:31:25	blank		rep 1	K766	em	65.5				
11-SEP-90	13:31:41			rep 2	K766	em	68.8				
11-SEP-90	13:32:49	# 1 standard		rep 1	K766	em	105.8	conc	1000.00		
11-SEP-90	13:33:04			rep 2	K766	em	76.8	conc	1000.00		
11-SEP-90	13:36:11	# 4 standard		rep 1	K766	em	160.2	conc	1000.00		
11-SEP-90	13:36:26			rep 2	K766	em	184.4	conc	1000.00		
11-SEP-90	13:37:40	# 5 standard		rep 1	K766	em	754.1	conc	5000.00		
11-SEP-90	13:37:55			rep 2	K766	em	728.9	conc	5000.00		
11-SEP-90	13:39:10	# 6 standard		rep 1	K766	em	1452.2	conc	10000.0		
11-SEP-90	13:39:25			rep 2	K766	em	1370.1	conc	10000.0		
11-SEP-90	13:41:43	# 8 standard		rep 1	K766	em	13556.0	conc	100000.		
11-SEP-90	13:41:58			rep 2	K766	em	13425.7	conc	100000.		
11-SEP-90	13:43:15	ICVA(AB)		rep 1	K766	conc	1175	ug/L			
11-SEP-90	13:43:30			rep 2	K766	conc	919	ug/L			
11-SEP-90	13:44:50	ICVB(AB)		rep 1	K766	conc	51303	ug/L			
11-SEP-90	13:45:06			rep 2	K766	conc	52727	ug/L			
11-SEP-90	13:46:27	ICB		rep 1	K766	conc	165	ug/L			
11-SEP-90	13:46:42			rep 2	K766	conc	577	ug/L			
11-SEP-90	13:48:04	ICSA(AC):1		rep 1	K766	conc	484	ug/L			
11-SEP-90	13:48:19			rep 2	K766	conc	-387	ug/L		window edge	
11-SEP-90	13:49:42	ICSAB(AD)2:1		rep 1	K766	conc	96	ug/L			
11-SEP-90	13:49:58			rep 2	K766	conc	211	ug/L			
11-SEP-90	13:51:21	CRI(AE):1		rep 1	K766	conc	240	ug/L			
11-SEP-90	13:51:37			rep 2	K766	conc	67	ug/L			
11-SEP-90	13:53:02	120380PB		rep 1	K766	conc	250	ug/L			
11-SEP-90	13:53:17			rep 2	K766	conc	444	ug/L			
11-SEP-90	13:54:43	120084		rep 1	K766	conc	2521	ug/L			
11-SEP-90	13:54:58			rep 2	K766	conc	2235	ug/L			
11-SEP-90	13:56:25	120085		rep 1	K766	conc	2265	ug/L			
11-SEP-90	13:56:41			rep 2	K766	conc	2841	ug/L			
11-SEP-90	13:58:09	120086		rep 1	K766	conc	2135	ug/L			
11-SEP-90	13:58:24			rep 2	K766	conc	2317	ug/L			
11-SEP-90	13:59:53	12008601		rep 1	K766	conc	664	ug/L			
11-SEP-90	14:00:08			rep 2	K766	conc	1363	ug/L			
11-SEP-90	14:01:38	120086MS		rep 1	K766	conc	2899	ug/L			
11-SEP-90	14:01:53			rep 2	K766	conc	3559	ug/L			
11-SEP-90	14:03:24	1200860P		rep 1	K766	conc	2155	ug/L			
11-SEP-90	14:03:40			rep 2	K766	conc	3106	ug/L			
11-SEP-90	14:05:12	120087		rep 1	K766	conc	3059	ug/L			
11-SEP-90	14:05:27			rep 2	K766	conc	2692	ug/L			
11-SEP-90	14:07:00	120088		rep 1	K766	conc	2357	ug/L			
11-SEP-90	14:07:18			rep 2	K766	conc	2512	ug/L			
11-SEP-90	14:08:56	120089		rep 1	K766	conc	3521	ug/L			
11-SEP-90	14:09:13			rep 2	K766	conc	3581	ug/L			
11-SEP-90	14:10:48	CCVA(AB):1		rep 1	K766	conc	1522	ug/L			
11-SEP-90	14:11:03			rep 2	K766	conc	1146	ug/L			
11-SEP-90	14:12:31	CCVB(AB):1		rep 1	K766	conc	51698	ug/L			
11-SEP-90	14:12:46			rep 2	K766	conc	52451	ug/L			
11-SEP-90	14:14:15	CCB:1		rep 1	K766	conc	276	ug/L			
11-SEP-90	14:14:30			rep 2	K766	conc	439	ug/L			
11-SEP-90	14:16:06	120381LC		rep 1	K766	conc	567	ug/L			
11-SEP-90	14:16:22			rep 2	K766	conc	278	ug/L			
11-SEP-90	14:17:57	1a120381LC		rep 1	K766	conc	5680	ug/L			
11-SEP-90	14:18:12			rep 2	K766	conc	11405	ug/L			
11-SEP-90	14:19:46	120382PB		rep 1	K766	conc	305	ug/L			
11-SEP-90	14:20:01			rep 2	K766	conc	238	ug/L			
11-SEP-90	14:21:34	120090		rep 1	K766	conc	309	ug/L			
11-SEP-90	14:21:50			rep 2	K766	conc	305	ug/L			
11-SEP-90	14:23:21	120094		rep 1	K766	conc	1037	ug/L			
11-SEP-90	14:23:37			rep 2	K766	conc	1128	ug/L			
11-SEP-90	14:25:08	120095		rep 1	K766	conc	1184	ug/L			
11-SEP-90	14:25:23			rep 2	K766	conc	980	ug/L			
11-SEP-90	14:26:53	120096		rep 1	K766	conc	1126	ug/L			
11-SEP-90	14:27:08			rep 2	K766	conc	839	ug/L			
11-SEP-90	14:28:37	12009601		rep 1	K766	conc	330	ug/L			
11-SEP-90	14:28:53			rep 2	K766	conc	-533	ug/L			
11-SEP-90	14:30:21	120096MS		rep 1	K766	conc	1286	ug/L			
11-SEP-90	14:30:36			rep 2	K766	conc	1138	ug/L			
11-SEP-90	14:32:03	1200960P		rep 1	K766	conc	732	ug/L			
11-SEP-90	14:32:18			rep 2	K766	conc	500	ug/L			
11-SEP-90	14:33:44	CCVA(AB):2		rep 1	K766	conc	339	ug/L			
11-SEP-90	14:34:00			rep 2	K766	conc	859	ug/L			
11-SEP-90	14:35:22	CCVB(AB):2		rep 1	K766	conc	52496	ug/L			
11-SEP-90	14:35:38			rep 2	K766	conc	52010	ug/L			
11-SEP-90	14:37:01	CCB:2		rep 1	K766	conc	-64	ug/L			
11-SEP-90	14:37:16			rep 2	K766	conc	219	ug/L			
11-SEP-90	14:38:40	120097		rep 1	K766	conc	1319	ug/L			
11-SEP-90	14:38:55			rep 2	K766	conc	1163	ug/L			
11-SEP-90	14:40:18	120098		rep 1	K766	conc	214	ug/L			

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP2_WATCH.11SEP901327
Method: EPAINCLP

ICP2--2DY 3
11-SEP-90 13:27

11-SEP-90	14:40:34		rep	2	K766	conc	67 ug/l
11-SEP-90	14:41:56	120099	rep	1	K766	conc	595 ug/l
11-SEP-90	14:42:11		rep	2	K766	conc	1116 ug/l
11-SEP-90	14:43:32	120100	rep	1	K766	conc	1687 ug/l
11-SEP-90	14:43:47		rep	2	K766	conc	1338 ug/l
11-SEP-90	14:45:07	120197	rep	1	K766	conc	23355 ug/l
11-SEP-90	14:45:22		rep	2	K766	conc	24501 ug/l
11-SEP-90	14:46:41	120198	rep	1	K766	conc	44160 ug/l
11-SEP-90	14:46:57		rep	2	K766	conc	43739 ug/l
11-SEP-90	14:48:15	r1	rep	1	K766	conc	-281 ug/l
11-SEP-90	14:48:30		rep	2	K766	conc	42 ug/l
11-SEP-90	14:49:45	CCVA(AB):3	rep	1	K766	conc	818 ug/l
11-SEP-90	14:50:00		rep	2	K766	conc	768 ug/l
11-SEP-90	14:51:17	CCVB(AB):3	rep	1	K766	conc	47431 ug/l
11-SEP-90	14:51:33		rep	2	K766	conc	46082 ug/l
11-SEP-90	14:52:49	CCB:3	rep	1	K766	conc	780 ug/l
11-SEP-90	14:53:05		rep	2	K766	conc	62 ug/l
11-SEP-90	14:54:17	ICSA(AC):2	rep	1	K766	conc	260 ug/l
11-SEP-90	14:54:32		rep	2	K766	conc	912 ug/l
11-SEP-90	14:55:43	ICSAB(AD)2:2	rep	1	K766	conc	290 ug/l
11-SEP-90	14:55:58		rep	2	K766	conc	371 ug/l
11-SEP-90	14:57:16	CRI(AE):2	rep	1	K766	conc	-158 ug/l
11-SEP-90	14:57:32		rep	2	K766	conc	49 ug/l
11-SEP-90	14:57:41	End method EPA_INCLP					

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901010
Method: EPAINCLP

ETR:22840 (NEWYRK)

ICP1--1EP 5
13-SEP-90 10:10

120197 907601 : (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Sb206	11:16	1:1	46.88	46.708	<60 a	

120198 LCS : ()

50.00 g sample to 50. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Sb206	11:17	1:1	952.37	952.365	950 a	

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPA\NCLP]ICP1_WATCH.13SEP901010
Method: EPA\NCLP

ETR:22777(AQQAMT)

ICP1--1EP 1
13-SEP-90 10:10

120086D1 S403I :[SER] (Soil)

1.08 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Solids determination was not requested. 50

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg(as rec'd)	BITLAB Value	Notes
Sb206	10:33	1:5.00	60.63	11.228	<60 e [	<60e -2DU]

120096D1 W403I :[SER] (Water)

100.08 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Sb206	11:02	1:5.00	-5.01	-5.006	<300 a [	<300a -2DU]

120380PB PB602 :[PBK]08/30/90 (Soil)

1.52 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Sb206	10:31	1:1	-16.79	-2.209	<8 f [	<8f -2DU]

120381LC LCS, SOLIDS LCS :[LCS]08/30/90 (Soil)

1.05 g sample to 200. ml digestate by FPC on 08-30-90 [XO](Method:CLPDIGSOIL:ICP)

Sample is 100.0% solids -- by KRC on 09-04-90[KT]

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc mg/kg (dry)	BITLAB Value	Notes
Sb206	10:51	1:1	1110.47	211.518	210 f [	210f -2DU]

120382PB PB608 :[PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Sb206	10:54	1:1	16.89	16.858	<60 a [	<60a -2DU]

Calibration Summary

Watch file name: ICP\$MAIN:[ICP:EPAINCLP]ICP1_WATCH.13SEP901010
Method: EPAINCLP

Sb 206

ICP1--1EP
13-SEP-90 10:10

Unweighted Linear Calibration Summary for Sb206

N= 5 Slope= 4.2292 Intrcpt= 20.07 Correlation(r)=0.999962

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	77.05	0.	13.47	-13.47	
# 2 standard	370.40	100.	82.84	17.16	17.16
# 3 standard	955.20	200.	221.11	-21.11	-10.56
# 4 standard	4159.80	1000.	978.85	21.15	2.11
# 5 standard	21181.70	5000.	5003.73	-3.73	-0.07

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	1800	2000	2200	2030.26	-30.26	-1.51	
ICB	BLANK	-60.0	0	60	8.05	-8.05		54.4
ICSA(AC):1	INCKA		0	999999	9.35	-9.35		
ICSAB(AD):1	INTCB	728.2	910.30	1092.4	981.39	-71.09	-7.81	
CRI(AE):1	DLCK		120	999999	122.83	-2.83	-2.36	
CCVA(AB):1	CKSTA	1800	2000	2200	1952.62	47.38	2.37	
CCB:1	BLANK	-60.0	0	60	7.18	-7.18		54.4
CCVA(AB):2	CKSTA	1800	2000	2200	2037.76	-37.76	-1.89	
CCB:2	BLANK	-60.0	0	60	-1.21	1.21		54.4
CCVA(AB):3	CKSTA	1800	2000	2200	2006.03	-6.03	-0.30	
CCB:3	BLANK	-60.0	0	60	5.63	-5.63		54.4
ICSA(AC):2	INCKA		0	999999	10.49	-10.49		
ICSAB(AD):2	INTCB	728.2	910.30	1092.4	987.66	-77.36	-8.50	
CRI(AE):2	DLCK		120	999999	119.21	0.79	0.66	

No QC failures detected for Sb206

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	120380PB	-16.79	-16.8	
	120084	22.41	22.4	
	120085	23.25	23.3	
	120086	41.40	41.4	
5.00	120086D1	60.63	60.6	
	120086MS	334.48	334	
	120086DP	19.82	19.8	
	120087	37.76	37.8	
	120088	25.06	25.1	
	120089	-31.06	-31.1	
	120381LC	1110.47	1110	
20.0	120381LC	101.99	102	
	120382PB	16.89	16.9	
	120090	14.72	14.7	
	120094	33.03	33.0	
	120095	-5.67	-5.67	
	120096	2.38	2.38	
5.00	120096D1	-5.01	-5.01	
	120096MS	455.99	456	
	120096DP	30.51	30.5	
	120097	31.01	31.0	
	120098	29.26	29.3	
	120099	-12.73	-12.7	
	120100	-19.97	-20.0	
	120197	46.88	46.9	
	120198	952.37	952	

000114

1404p

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901010
Method: EPAINCLP

ICP1--1EP 1
13-SEP-90 10:10

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13-SEP-90 10:13:21 Begin method EPA INCLP
13-SEP-90 10:13:40 Method Name: 000Method
13-SEP-90 10:13:40 Comment:JJ0
13-SEP-90 10:13:40 Read Delay : 25 sec
13-SEP-90 10:13:40 Replicates : 2 Format name : comport
13-SEP-90 10:13:40 Analysis AS Sample ID Sequence Dilution Weight / Volume
13-SEP-90 10:13:40 Number Posn Name
13-SEP-90 10:13:40 1 1 wcal standard EPA_INCLP
13-SEP-90 10:13:40 2 2 blank EPA_INCLP
13-SEP-90 10:13:41 3 3 # 1 standard EPA_INCLP
13-SEP-90 10:13:41 4 4 # 2 standard EPA_INCLP
13-SEP-90 10:13:41 5 5 # 3 standard EPA_INCLP
13-SEP-90 10:13:41 6 6 # 4 standard EPA_INCLP
13-SEP-90 10:13:41 7 7 # 5 standard EPA_INCLP
13-SEP-90 10:13:41 8 11 ICVA(AB) EPA_INCLP
13-SEP-90 10:13:41 9 13 ICB EPA_INCLP
13-SEP-90 10:13:41 10 14 ICSA(AC):1 EPA_INCLP
13-SEP-90 10:13:42 11 15 ICSAB(AD)1:1 EPA_INCLP
13-SEP-90 10:13:42 12 16 CRI(AE):1 EPA_INCLP
13-SEP-90 10:13:42 13 17 120380PB EPA_INCLP
13-SEP-90 10:13:42 14 18 120084 EPA_INCLP
13-SEP-90 10:13:42 15 19 120085 EPA_INCLP
13-SEP-90 10:13:42 16 20 120086 EPA_INCLP
13-SEP-90 10:13:43 17 21 120086D1 EPA_INCLP
13-SEP-90 10:13:43 18 22 120086MS EPA_INCLP
13-SEP-90 10:13:43 19 23 120086DP EPA_INCLP
13-SEP-90 10:13:43 20 24 120087 EPA_INCLP
13-SEP-90 10:13:43 21 25 120088 EPA_INCLP
13-SEP-90 10:13:43 22 26 120089 EPA_INCLP
13-SEP-90 10:13:43 23 27 CCVA(AB):1 EPA_INCLP
13-SEP-90 10:13:43 24 28 CCB:1 EPA_INCLP
13-SEP-90 10:13:43 25 29 120381LC EPA_INCLP
13-SEP-90 10:13:44 26 30 120381LC EPA_INCLP
13-SEP-90 10:13:44 27 31 120382PB EPA_INCLP
13-SEP-90 10:13:45 28 32 120090 EPA_INCLP
13-SEP-90 10:13:45 29 33 120094 EPA_INCLP
13-SEP-90 10:13:45 30 34 120095 EPA_INCLP
13-SEP-90 10:13:45 31 35 120096 EPA_INCLP
13-SEP-90 10:13:45 32 36 120096D1 EPA_INCLP
13-SEP-90 10:13:46 33 37 120096MS EPA_INCLP
13-SEP-90 10:13:46 34 38 120096DP EPA_INCLP
13-SEP-90 10:13:46 35 39 CCVA(AB):2 EPA_INCLP
13-SEP-90 10:13:46 36 40 CCB:2 EPA_INCLP
13-SEP-90 10:13:46 37 41 120097 EPA_INCLP
13-SEP-90 10:13:47 38 42 120098 EPA_INCLP
13-SEP-90 10:13:47 39 43 120099 EPA_INCLP
13-SEP-90 10:13:48 40 44 120100 EPA_INCLP
13-SEP-90 10:13:49 41 45 120197 EPA_INCLP
13-SEP-90 10:13:49 42 46 120198 EPA_INCLP
13-SEP-90 10:13:49 43 51 CCVA(AB):3 EPA_INCLP
13-SEP-90 10:13:49 44 52 CCB:3 EPA_INCLP
13-SEP-90 10:13:49 45 53 ICSA(AC):2 EPA_INCLP
13-SEP-90 10:13:49 46 54 ICSAB(AD)1:2 EPA_INCLP
13-SEP-90 10:13:50 47 16 CRI(AE):2 EPA_INCLP
13-SEP-90 10:13:50
13-SEP-90 10:13:52 LCS(HU)1/20,S,1.00,200.,.,20.,
13-SEP-90 10:13:53 LCS(GY),S,1.00,200.,.,
13-SEP-90 10:13:53 PB202,L,100.34,100.,.,
13-SEP-90 10:13:53 ICV-1(HT),LL,100.14,100.,.,
13-SEP-90 10:13:53 PB203,S,1.26,200.,.,
13-SEP-90 10:13:53 113733MS,S,1.09,200.,.,89.93,,
13-SEP-90 10:13:53 113733DP,S,1.08,200.,.,89.93,,
13-SEP-90 10:13:53 113733MS,S,1.09,200.,.,89.93,,
13-SEP-90 10:13:53 113733DP,S,1.08,200.,.,89.93,,
13-SEP-90 10:13:53 PB180,L,
13-SEP-90 10:13:53 ICV-1(GX),L,100.,100.,.,
13-SEP-90 10:13:53 LCS(IJ)1/20,S,1.02,200.,.,20.,
13-SEP-90 10:13:54 PB218(IJ),1.02,200.,.,
13-SEP-90 10:13:54 LCS(IJ),S,1.02,200.,.,
13-SEP-90 10:13:54 PB254,S,2.17,200.,.,
13-SEP-90 10:13:54 LCS(JT),S,1.00,200.,.,
13-SEP-90 10:13:55 PB245,S,3.68,200.,.,
13-SEP-90 10:13:55 LCS(JK),S,1.00,200.,.,
13-SEP-90 10:13:55 LCS(JK)1/20,S,1.00,200.,.,20.,
13-SEP-90 10:13:55 LCS(JT)1/20,S,1.0,200.,.,20.,
13-SEP-90 10:13:55 PB269,L,100.60,100.,.,
13-SEP-90 10:13:55 ICV-1(KI),L,100.16,100.,.,
13-SEP-90 10:13:55 PB271,S,1.16,200.,.,
13-SEP-90 10:13:55 LCS(KK),S,1.00,200.,.,
13-SEP-90 10:13:55 LCS(KK)1/20,S,1.00,200.,.,20.,
13-SEP-90 10:13:55 PB278,S,1.09,200.,.,
13-SEP-90 10:13:55 LCS(KR),S,1.01,200.,.,
13-SEP-90 10:13:56 LCS(KR)1/20,S,1.01,200.,.,20.,

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5b only ICP1
900

200.,.,

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP1_WATCH.13SEP901010
Method: EPA\INCLP

ICP1--1EP₂
13-SEP-90 10:10

13-SEP-90 10:13:56	PB286,S,1.20,200.,,,,				
13-SEP-90 10:13:56	LCS(KZ),S,1.00,200.,,,,				
13-SEP-90 10:13:56	LCS(KZ)1/20,S,1.00,200.,,,,				
13-SEP-90 10:15:01	wcal standard	rep 1	Sb206	em	14442.2 conc 100.000
13-SEP-90 10:15:13		rep 2	Sb206	em	14258.7 conc 100.000
13-SEP-90 10:16:19	blank	rep 1	Sb206	em	46.5
13-SEP-90 10:16:31		rep 2	Sb206	em	107.6
13-SEP-90 10:17:36	# 1 standard	rep 1	Sb206	em	168.8 conc 100.000
13-SEP-90 10:17:48		rep 2	Sb206	em	354.2 conc 100.000
13-SEP-90 10:18:56	# 2 standard	rep 1	Sb206	em	406.6 conc 100.000
13-SEP-90 10:19:07		rep 2	Sb206	em	334.2 conc 100.000
13-SEP-90 10:20:15	# 3 standard	rep 1	Sb206	em	966.5 conc 200.000
13-SEP-90 10:20:26		rep 2	Sb206	em	943.9 conc 200.000
13-SEP-90 10:21:36	# 4 standard	rep 1	Sb206	em	4202.3 conc 1000.00
13-SEP-90 10:21:47		rep 2	Sb206	em	4117.3 conc 1000.00
13-SEP-90 10:22:58	# 5 standard	rep 1	Sb206	em	21354.6 conc 5000.00
13-SEP-90 10:23:08		rep 2	Sb206	em	21008.8 conc 5000.00
13-SEP-90 10:24:21	ICVA(AB)	rep 1	Sb206	conc	2021.01 ug/l
13-SEP-90 10:24:32		rep 2	Sb206	conc	2039.50 ug/l
13-SEP-90 10:25:48	ICB	rep 1	Sb206	conc	-29.59 ug/l
13-SEP-90 10:26:00		rep 2	Sb206	conc	45.68 ug/l
13-SEP-90 10:27:18	ICSA(AC):1	rep 1	Sb206	conc	7.39 ug/l
13-SEP-90 10:27:28		rep 2	Sb206	conc	11.30 ug/l
13-SEP-90 10:28:46	ICSAB(AD)1:1	rep 1	Sb206	conc	988.01 ug/l
13-SEP-90 10:28:57		rep 2	Sb206	conc	974.77 ug/l
13-SEP-90 10:30:16	CR1(AE):1	rep 1	Sb206	conc	172.44 ug/l
13-SEP-90 10:30:28		rep 2	Sb206	conc	73.22 ug/l
13-SEP-90 10:31:47	120380PB	rep 1	Sb206	conc	8.76 ug/l
13-SEP-90 10:31:59		rep 2	Sb206	conc	-42.34 ug/l
13-SEP-90 10:33:20	120084	rep 1	Sb206	conc	28.34 ug/l
13-SEP-90 10:33:31		rep 2	Sb206	conc	16.47 ug/l
13-SEP-90 10:34:53	120085	rep 1	Sb206	conc	30.78 ug/l
13-SEP-90 10:35:04		rep 2	Sb206	conc	15.72 ug/l
13-SEP-90 10:36:27	120086	rep 1	Sb206	conc	70.90 ug/l
13-SEP-90 10:36:39		rep 2	Sb206	conc	11.89 ug/l
13-SEP-90 10:38:03	120086D1	rep 1	Sb206	conc	206.31 ug/l
13-SEP-90 10:38:14		rep 2	Sb206	conc	-85.05 ug/l
13-SEP-90 10:39:40	120086MS	rep 1	Sb206	conc	327.93 ug/l
13-SEP-90 10:39:51		rep 2	Sb206	conc	341.02 ug/l
13-SEP-90 10:41:17	120086DP	rep 1	Sb206	conc	36.19 ug/l
13-SEP-90 10:41:29		rep 2	Sb206	conc	3.44 ug/l
13-SEP-90 10:42:57	120087	rep 1	Sb206	conc	80.75 ug/l
13-SEP-90 10:43:08		rep 2	Sb206	conc	-5.24 ug/l
13-SEP-90 10:44:36	120088	rep 1	Sb206	conc	21.54 ug/l
13-SEP-90 10:44:49		rep 2	Sb206	conc	28.57 ug/l
13-SEP-90 10:46:22	120089	rep 1	Sb206	conc	-54.97 ug/l
13-SEP-90 10:46:35		rep 2	Sb206	conc	-7.15 ug/l
13-SEP-90 10:48:05	CCVA(AB):1	rep 1	Sb206	conc	1949.83 ug/l
13-SEP-90 10:48:15		rep 2	Sb206	conc	1955.41 ug/l
13-SEP-90 10:49:47	CCB:1	rep 1	Sb206	conc	-31.61 ug/l
13-SEP-90 10:49:57		rep 2	Sb206	conc	45.98 ug/l
13-SEP-90 10:51:28	120381LC	rep 1	Sb206	conc	1112.19 ug/l
13-SEP-90 10:51:39		rep 2	Sb206	conc	1108.75 ug/l
13-SEP-90 10:53:09	120381LC	rep 1	Sb206	conc	-275.50 ug/l
13-SEP-90 10:53:20		rep 2	Sb206	conc	479.47 ug/l
13-SEP-90 10:54:49	120382PB	rep 1	Sb206	conc	28.39 ug/l
13-SEP-90 10:54:59		rep 2	Sb206	conc	5.38 ug/l
13-SEP-90 10:56:28	120090	rep 1	Sb206	conc	42.83 ug/l
13-SEP-90 10:56:39		rep 2	Sb206	conc	-13.39 ug/l
13-SEP-90 10:58:05	120094	rep 1	Sb206	conc	69.23 ug/l
13-SEP-90 10:58:16		rep 2	Sb206	conc	-3.16 ug/l
13-SEP-90 10:59:43	120095	rep 1	Sb206	conc	-39.74 ug/l
13-SEP-90 10:59:54		rep 2	Sb206	conc	28.41 ug/l
13-SEP-90 11:01:19	120096	rep 1	Sb206	conc	18.08 ug/l
13-SEP-90 11:01:30		rep 2	Sb206	conc	-13.32 ug/l
13-SEP-90 11:02:54	120096D1	rep 1	Sb206	conc	17.00 ug/l
13-SEP-90 11:03:06		rep 2	Sb206	conc	-27.02 ug/l
13-SEP-90 11:04:29	120096MS	rep 1	Sb206	conc	430.55 ug/l
13-SEP-90 11:04:40		rep 2	Sb206	conc	481.43 ug/l
13-SEP-90 11:06:03	120096DP	rep 1	Sb206	conc	52.96 ug/l
13-SEP-90 11:06:14		rep 2	Sb206	conc	8.06 ug/l
13-SEP-90 11:07:35	CCVA(AB):2	rep 1	Sb206	conc	1990.61 ug/l
13-SEP-90 11:07:46		rep 2	Sb206	conc	2084.90 ug/l
13-SEP-90 11:09:07	CCB:2	rep 1	Sb206	conc	-30.49 ug/l
13-SEP-90 11:09:19		rep 2	Sb206	conc	28.08 ug/l
13-SEP-90 11:10:38	120097	rep 1	Sb206	conc	53.29 ug/l
13-SEP-90 11:10:49		rep 2	Sb206	conc	8.74 ug/l
13-SEP-90 11:12:07	120098	rep 1	Sb206	conc	67.07 ug/l
13-SEP-90 11:12:18		rep 2	Sb206	conc	-8.54 ug/l
13-SEP-90 11:13:34	120099	rep 1	Sb206	conc	21.49 ug/l
13-SEP-90 11:13:45		rep 2	Sb206	conc	-46.94 ug/l
13-SEP-90 11:15:02	120100	rep 1	Sb206	conc	-28.58 ug/l
13-SEP-90 11:15:13		rep 2	Sb206	conc	-11.35 ug/l
13-SEP-90 11:16:28	120197	rep 1	Sb206	conc	43.46 ug/l
13-SEP-90 11:16:39		rep 2	Sb206	conc	50.31 ug/l
13-SEP-90 11:17:53	120198	rep 1	Sb206	conc	923.39 ug/l

window edge

window edge

interference
per
JJO

window edge

window edge

window edge

window edge
window edge

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901010
Method: EPAINCLP

ICP1--1EP₃

13-SEP-90 10:10

13-SEP-90 11:18:04		rep	2	Sb206	conc	981.34 ug/l
13-SEP-90 11:19:15	CCVA(AB):3	rep	1	Sb206	conc	1960.79 ug/l
13-SEP-90 11:19:26		rep	2	Sb206	conc	2051.26 ug/l
13-SEP-90 11:20:34	CCB:3	rep	1	Sb206	conc	17.02 ug/l
13-SEP-90 11:20:45		rep	2	Sb206	conc	-5.76 ug/l
13-SEP-90 11:21:52	ICSA(AC):2	rep	1	Sb206	conc	18.56 ug/l
13-SEP-90 11:22:03		rep	2	Sb206	conc	2.43 ug/l
13-SEP-90 11:23:09	ICSAB(AD)1:2	rep	1	Sb206	conc	980.40 ug/l
13-SEP-90 11:23:20		rep	2	Sb206	conc	994.91 ug/l
13-SEP-90 11:24:33	CRI(AE):2	rep	1	Sb206	conc	87.45 ug/l
13-SEP-90 11:24:43		rep	2	Sb206	conc	150.96 ug/l
13-SEP-90 11:25:18	End method EPA_INCLP					

window edge
window edge

000117

Sample Result Summary

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ETR:22840

(NEWYRK)

ICP1--1ER 2
13-SEP-90 11:50

120197

907601

: (Leachate)

100.38 g sample to 100. ml digestate by FPC on 08-31-90 [X1](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Ag328	13:24	1:5.00	-7.11	-7.087	<50 a	<10a -2DU]
Al396	13:24	1:5.00	-319.20	-317.992	<1000 a	<200a -2DW]
Ba455	13:25	1:5.00	70.58	70.313	<1000 a	<200a -2DS]
Be313.1	13:24	1:5.00	2.83	2.823	<30 a	<5a -2DS]
Ca317	13:24	1:5.00	269377.59	268357.844	270000 a	250000a -2DS]
Cd226	13:23	1:5.00	-10.99	-10.951	<30 a	5.5a -2DW]
Co238	13:23	1:5.00	-4.38	-4.363	<300 a	<50a -2DS]
Cr267	13:23	1:5.00	30.60	30.484	<50 a	17.8a -2DS]
Cu324	13:24	1:5.00	113.32	112.886	<200 a	<30a -2DS]
Fe259	13:30	1:25.0	71967.20	71694.766	72000 a	
K766	13:25	1:5.00	25589.00	25492.131	25000 a	24000a -2DY]
Mg279	13:24	1:5.00	131289.50	130792.492	131000 a	
Mn257	13:23	1:5.00	388.05	386.576	390 a	320a -2DU]
Na589	13:25	1:5.00	805164.00	802116.000	800000 a	
Ni231	13:23	1:5.00	32.51	32.382	<200 a	<40a -2DS]
Pb220	13:23	1:5.00	-67.54	-67.279	<30 a	[No BITLAB req.]
Sb206	13:23	1:5.00	-41.13	-40.979	<300 a	<60a -1EP]
V292	13:24	1:5.00	56.20	55.987	<300 a	<50a -2DS]
Zn213	13:23	1:5.00	14.23	14.171	<100 a	23a -2DS]

Fe259

1:5

64974.90 - 64717.77 - 64700 (Form 1)

Need 1:25 for Ca, Na, Mn, Fe, Mg
" 1:25 on Fe, Mg, Na

Na

1:25

833382.00 serial

Sample Result Summary
Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ETR:22777

(AQQAMT)

ICP1--1ER 1
13-SEP-90 11:50

120382PB PB608 :[PBK]08/31/90 (Water)

100.16 g sample to 100. ml digestate by FPC on 08-31-90 [XN](Method:CLPDIGWAT:ICP)

Channel	Time	Dilution	Digestate (ug/l)	Sample Conc ug/l	BITLAB Value	Notes
Cu324	13:21	1:1	4.24	4.228	<30 a [	25a -2DS]

<9.0 ug/L

Unweighted Linear Calibration Summary for Na589

N= 6 Slope= 0.2266 Intrcpt= 16.43 Correlation(r)=1.000000

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	13.20	0.	-14.26	14.26	
# 4 standard	248.25	1000.	1023.09	-23.09	-2.31
# 5 standard	1159.85	5000.	5046.27	-46.27	-0.93
# 6 standard	2282.65	10000.	10001.55	-1.55	-0.02
# 7 standard	11331.65	50000.	49937.68	62.32	0.12
# 8 standard	113311.10	500000.	500005.66	-5.66	0.00

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	50415.00	-415.00	-0.83	4219.9
ICB	BLANK		0	2500	62.50	-62.50		
CCVB(AB):1	CKSTB	45000	50000	55000	49164.00	836.00	1.67	4219.9
CCB:1	BLANK		0	2500	-38.50	38.50		
CCVB(AB):2	CKSTB	45000	50000	55000	49134.00	866.00	1.73	4219.9
CCB:2	BLANK		0	2500	11.50	-11.50		
CCVB(AB):3	CKSTB	45000	50000	55000	49395.00	605.00	1.21	4219.9
CCB:3	BLANK		0	2500	-18.50	18.50		
ISCA(AC):2	INCKA		0	999999	83.00	-83.00		4219.9

No QC failures detected for Na589

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	ISCA(AC):1	202.00	202	
5.00	120197	805164.00	805000	
25.0	120197	833382.00	833000	
	120685PB	49.00	49.0	
	120610	450.50	451	
5.00	120610D1	485.00	485	
	120610MS	235.50	236	
	120610DP	416.00	416	
	120611	637.50	638	
	120612	779.00	779	
	120613	555.50	556	
	120614	1966.00	1970	
	120615	1171.00	1170	
	120616	889.50	890	
	120617	855.50	856	
	120618	952.50	953	
	120619	623.50	624	
	120620	797.00	797	
	120621	629.50	630	
	120622	595.00	595	
	120623	639.00	639	
	120624	526.00	526	
	120625	4078.50	4080	
	120686LC	195.50	196	
20.0	120686LC	59.00	59.0	

Unweighted Linear Calibration Summary for Cu324

N= 6 Slope= 40.9110 Intrcpt= 21.04 Correlation(r)=0.999983

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	235.40	0.	5.24	-5.24	
# 1 standard	2264.35	50.	54.83	-4.83	-9.67
# 2 standard	4315.40	100.	104.97	-4.97	-4.97
# 3 standard	8363.35	200.	203.91	-3.91	-1.96
# 4 standard	39978.25	1000.	976.69	23.31	2.33
# 5 standard	204754.41	5000.	5004.36	-4.36	-0.09

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 506.55	-6.55	-1.31	
ICB	BLANK	-25.0	0	25	-1.25	1.25		< 9.0
ICSAB(AD)1:1	INTCB	353	441	529.2	469.51	-28.51	-6.46	
CRI(AE):1	DLCK		50	999999	56.94	-6.94	-13.88	
CCVA(AB):1	CKSTA	450	500	550	② 518.88	-18.88	-3.78	
CCB:1	BLANK	-25.0	0	25	6.13	-6.13		< 9.0
CCVA(AB):2	CKSTA	450	500	550	③ 500.05	-0.05	-0.01	
CCB:2	BLANK	-25.0	0	25	-10.49	10.49		-10.58
CCVA(AB):3	CKSTA	450	500	550	④ 484.52	15.48	3.10	
CCB:3	BLANK	-25.0	0	25	6.11	-6.11		< 9.0
ICSA(AC):2	INTCK		0	999999	18.63	-18.63		
ICSAB(AD)1:2	INTCB	353	441	529.2	453.39	-12.39	-2.81	
CRI(AE):2	DLCK		50	999999	49.21	0.79	1.58	

No QC failures detected for Cu324

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	ISCA(AC):1	14.97	15.0	
	120382PB	4.24	4.24	
5.00	120197	113.32	113	
25.0	120197	77.18	77.2	
	120685PB	9.66	9.66	
	120610	71.46	71.5	
5.00	120610D1	104.98	105	
	120610MS	295.63	296	
	120610DP	69.42	69.4	
	120611	101.39	101	
	120612	89.89	89.9	
	120613	90.67	90.7	
	120614	125.41	125	
	120615	92.94	92.9	
	120616	81.29	81.3	
	120617	120.07	120	
	120618	101.59	102	
	120619	67.06	67.1	
	120620	66.13	66.1	
	120621	63.51	63.5	
	120622	51.48	51.5	
	120623	81.84	81.8	
	120624	53.28	53.3	
	120625	61.54	61.5	
20.0	120686LC	23630.36		
	120686LC	33763.93	33800	FAILS - DILUT

Unweighted Linear Calibration Summary for Mn257

N= 6 Slope= 27.6478 Intrcpt= 38.12 Correlation(r)=0.999998

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	14.95	0.	-0.84	0.84	
# 1 standard	1399.90	50.	49.25	0.75	1.49
# 2 standard	2716.10	100.	96.86	3.14	3.14
# 3 standard	5532.35	200.	198.72	1.28	0.64
# 4 standard	27889.10	1000.	1007.35	-7.35	-0.73
# 5 standard	138239.80	5000.	4998.65	1.35	0.03

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA	450	500	550	① 491.55	8.45	1.69	
ICB	BLANK	-15.0	0	15	-1.29	1.29		22.6
ICSAB(AD)1:1	INTCB	358.50	448.10	537.7	470.85	-22.75	-5.08	
CRI(AE):1	DLCK		30	999999	30.30	-0.30	-1.00	
CCVA(AB):1	CKSTA	450	500	550	② 515.00	-15.00	-3.00	
CCB:1	BLANK	-15.0	0	15	-0.25	0.25		22.6
CCVA(AB):2	CKSTA	450	500	550	③ 514.71	-14.71	-2.94	
CCB:2	BLANK	-15.0	0	15	-0.43	0.43		22.6
CCVA(AB):3	CKSTA	450	500	550	④ 505.32	-5.32	-1.06	
CCB:3	BLANK	-15.0	0	15	-0.43	0.43		22.6
ICSA(AC):2	INTCK		0	999999	10.10	-10.10		
ICSAB(AD)1:2	INTCB	358.50	448.10	537.7	469.02	-20.92	-4.67	
CRI(AE):2	DLCK		30	999999	29.43	0.57	1.90	

No QC failures detected for Mn257

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	ISCA(AC):1	6.70	6.70	
5.00	120197	388.05	388	
25.0	120197	385.75	386	
	120685PB	-0.82	-0.82	Serial format
5.00	120610	1487.96	1490	
	120610D1	1539.48	1540	
	120610MS	1808.03	1810	
	120610DP	2062.94	2060	
	120611	3635.19	3640	
	120612	1790.30	1790	
	120613	1079.82	1080	
	120614	3850.89	3850	
	120615	2860.68	2860	
	120616	2931.75	2930	
	120617	3267.58	3270	
	120618	4011.33	4010	
	120619	856.90	857	
	120620	1532.81	1530	
	120621	1138.32	1140	
	120622	1069.64	1070	
	120623	1753.19	1750	
	120624	1082.06	1080	
	120625	1971.22	1970	
20.0	120686LC	1032.98	1030	
	120686LC	1162.67	1160	

Unweighted Linear Calibration Summary for Fe259

N= 6 Slope= 2.9082 Intrcpt= -8.75 Correlation(r)=0.999978

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	19.30	0.	9.64	-9.64	
# 2 standard	299.50	100.	105.99	-5.99	-5.99
# 3 standard	614.85	200.	214.43	-14.43	-7.21
# 4 standard	2884.85	1000.	994.99	5.01	0.50
# 5 standard	14385.40	5000.	4949.58	50.42	1.01
# 6 standard	29146.60	10000.	10025.37	-25.37	-0.25

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVA(AB)	CKSTA		500	999999	564.45	-64.45	-12.89	
ICVB(AB)	CKSTB	45000	50000	55000	50960.60	-960.60	-1.92	
ICB	BLANK	-100.0	0	100	8.60	-8.60		22.4
ICSAB(AD)1:1	INTCB	160000	200000	240000	206015.59	-6015.59	-3.01	
CRI(AE):1	DLCK		200	999999	230.15	-30.15	-15.07	
CCVA(AB):1	CKSTA		500	999999	561.95	-61.95	-12.39	
CCVB(AB):1	CKSTB	45000	50000	55000	50323.50	-323.50	-0.65	
CCB:1	BLANK	-100.0	0	100	8.60	-8.60		22.4
CCVA(AB):2	CKSTA		500	999999	600.25	-100.25	-20.05	
CCVB(AB):2	CKSTB	45000	50000	55000	48950.90	1049.10	2.10	
CCB:2	BLANK	-100.0	0	100	4.30	-4.30		22.4
CCVA(AB):3	CKSTA		500	999999	543.65	-43.65	-8.73	
CCVB(AB):3	CKSTB	45000	50000	55000	47936.60	2063.40	4.13	
CCB:3	BLANK	-100.0	0	100	8.95	-8.95		22.4
ICSA(AC):2	INTCK		200000	999999	198614.00	1386.00	0.69	
ICSAB(AD)1:2	INTCB	160000	200000	240000	203039.20	-3039.20	-1.52	
CRI(AE):2	DLCK		200	999999	234.40	-34.40	-17.20	

No QC failures detected for Fe259

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	ISCA(AC):1	200867.30		FAILS - DILUT
5.00	120197	68978.90		FAILS - DILUT
25.0	120197	71967.20	72000	
	120685PB	31.40	31.4	
	120610	113164.10		FAILS - DILUT
5.00	120610D1	113690.90		FAILS - DILUT
	120610MS	89798.45		FAILS - DILUT
	120610DP	134289.91		FAILS - DILUT
	120611	142783.70		FAILS - DILUT
	120612	126274.10		FAILS - DILUT
	120613	116165.90		FAILS - DILUT
	120614	209941.41		FAILS - DILUT
	120615	152968.30		FAILS - DILUT
	120616	176502.41		FAILS - DILUT
	120617	167440.80		FAILS - DILUT
	120618	218665.30		FAILS - DILUT
	120619	108797.60		FAILS - DILUT
	120620	126270.10		FAILS - DILUT
	120621	99025.30		FAILS - DILUT
	120622	95179.16		FAILS - DILUT
	120623	131481.91		FAILS - DILUT
	120624	105490.60		FAILS - DILUT
	120625	110246.40		FAILS - DILUT
20.0	120686LC	103404.70		FAILS - DILUT
	120686LC	109868.30	110000	

linear to
 50000ppb

Unweighted Linear Calibration Summary for Mg279

N= 6 Slope= 0.0466 Intrcpt= 44.42 Correlation(r)=0.999982

SAMPLE	EMISSION	CONC	ESTIMATE	DIFF	% DIFF
blank	1.50	0.	-920.31	920.31	
# 4 standard	48.75	1000.	92.85	907.15	90.72
# 5 standard	250.85	5000.	4426.35	573.65	11.47
# 6 standard	527.30	10000.	10354.09	-354.09	-3.54
# 7 standard	2482.30	50000.	52273.94	-2273.94	-4.55
# 8 standard	23352.15	500000.	499773.09	226.91	0.05

Calibration Passes % difference test(s).

Quality Control Sample Evaluations

SAMPLE	TYPE	LOW LIM	NOMINAL	HI LIM	ESTIMATE	DIFF	% DIFF	STATUS
ICVB(AB)	CKSTB	45000	50000	55000	52271.00	-2271.00	-4.54	
ICB	BLANK		0	2500	-959.50	959.50		-960.0B
ICSAB(AD):1	INTCB	400000	500000	600000	518088.00	-18088.00	-3.62	
CCVB(AB):1	CKSTB	45000	50000	55000	51602.00	-1602.00	-3.20	
CCB:1	BLANK		0	2500	-917.50	917.50		-917.5B
CCVB(AB):2	CKSTB	45000	50000	55000	51814.50	-1814.50	-3.63	
CCB:2	BLANK		0	2500	-922.00	922.00		-922.0B
CCVB(AB):3	CKSTB	45000	50000	55000	51858.50	-1858.50	-3.72	
CCB:3	BLANK		0	2500	-963.00	963.00		-963.0B
ICSA(AC):2	INTCK		500000	999999	503290.50	-3290.50	-0.66	
ICSAB(AD):2	INTCB	400000	500000	600000	511080.00	-11080.00	-2.22	

No QC failures detected for Mg279

Analytical Sample Evaluations

DILUTION	SAMPLE	ESTIMATE	REPORT	STATUS
	ISCA(AC):1	521235.00		FAILS - DILUT
5.00	120197	131289.50	131000	
25.0	120197	122957.00	123000	
	120685PB	-971.50	-972	
	120610	20605.00	20600	
5.00	120610D1	18620.00	18600	
	120610MS	15789.00	15800	
	120610DP	24091.50	24100	
	120611	27013.00	27000	
	120612	26130.50	26100	
	120613	25720.50	25700	
	120614	38901.00	38900	
	120615	27039.00	27000	
	120616	33267.00	33300	
	120617	32643.50	32600	
	120618	36845.50	36800	
	120619	22296.50	22300	
	120620	24041.50	24000	
	120621	19118.50	19100	
	120622	18530.00	18500	
	120623	33523.00	33500	
	120624	27029.50	27000	
	120625	23311.50	23300	
20.0	120686LC	624001.50		FAILS - DILUT
	120686LC	654303.00	654000	

Instrument Log

Watch file name: ICPMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 1

13-SEP-90 11:50

13-SEP-90 11:50:25 Begin method EPA INCLP
13-SEP-90 11:50:43 Method Name: OODMethod
13-SEP-90 11:50:43 Comment: JJO
13-SEP-90 11:50:43 Read Delay : 25 sec
13-SEP-90 11:50:43 Replicates : 2 Format name : comport

Analysis Number	AS Posn	Sample ID	Sequence Name	Dilution	Weight / Volume
1	1	wcal standard	EPA_INCLP		
2	2	blank	EPA_INCLP		
3	3	# 1 standard	EPA_INCLP		
4	4	# 2 standard	EPA_INCLP		
5	5	# 3 standard	EPA_INCLP		
6	6	# 4 standard	EPA_INCLP		
7	7	# 5 standard	EPA_INCLP		
8	8	# 6 standard	EPA_INCLP		
9	9	# 7 standard	EPA_INCLP		
10	10	# 8 standard	EPA_INCLP		
11	11	ICVA(AB)	EPA_INCLP		
12	12	ICVB(AB)	EPA_INCLPA		
13	13	ICB	EPA_INCLP		
14	14	ISCA(AC):1	EPA_INCLP		
15	15	ICSAB(AD):1:1	EPA_INCLP		
16	16	CRI(AE):1	EPA_INCLP		
17	17	120382PB	Cu		
18	18	120197	EPA_INCLP		
19	19	120197	EPA_INCLP		
20	20	120685PB	EPA_INCLP		
21	21	120610	EPA_INCLP		
22	22	120610D1	EPA_INCLP		
23	23	120610MS	EPA_INCLP		
24	24	120610DP	EPA_INCLP		
25	25	120611	EPA_INCLP		
26	26	120612	EPA_INCLP		
27	27	CCVA(AB):1	EPA_INCLP		
28	12	CCVB(AB):1	EPA_INCLPA		
29	28	CCB:1	EPA_INCLP		
30	29	120613	EPA_INCLP		
31	30	120614	EPA_INCLP		
32	31	120615	EPA_INCLP		
33	32	120616	EPA_INCLP		
34	33	120617	EPA_INCLP		
35	34	120618	EPA_INCLP		
36	35	120619	EPA_INCLP		
37	36	120620	EPA_INCLP		
38	37	120621	EPA_INCLP		
39	38	120622	EPA_INCLP		
40	39	CCVA(AB):2	EPA_INCLP		
41	12	CCVB(AB):2	EPA_INCLPA		
42	40	CCB:2	EPA_INCLP		
43	41	120623	EPA_INCLP		
44	42	120624	EPA_INCLP		
45	43	120625	EPA_INCLP		
46	44	120686LC	EPA_INCLP		
47	45	120686LC	EPA_INCLP		
48	51	CCVA(AB):3	EPA_INCLP		
49	12	CCVB(AB):3	EPA_INCLPA		
50	52	CCB:3	EPA_INCLP		
51	53	ISCA(AC):2	EPA_INCLP		
52	54	ICSAB(AD):1:2	EPA_INCLP		
53	16	CRI(AE):2	EPA_INCLP		

13-SEP-90 11:50:51 LCS(HU)1/20, S, 1.00, 200.,, 20.,,
13-SEP-90 11:50:54 LCS(GY), S, 1.00, 200.,, ,,
13-SEP-90 11:50:54 PB202, L, 100.34, 100.,, ,,
13-SEP-90 11:50:55 ICV-1(HT), LL, 100.14, 100.,, ,,
13-SEP-90 11:51:00 PB203, S, 1.26, 200.,, ,,
13-SEP-90 11:51:00 113733MS, S, 1.09, 200.,, , 89.93,,
13-SEP-90 11:51:00 113733DP, S, 1.08, 200.,, , 89.93,,
13-SEP-90 11:51:00 PB180, L.,, ,,
13-SEP-90 11:51:00 ICV-1(GX), L, 100., 100.,, ,,
13-SEP-90 11:51:00 LCS(IJ)1/20, S, 1.02, 200.,, , 20.,,
13-SEP-90 11:51:00 PB218(IJ), 1.02, 200.,, ,,
13-SEP-90 11:51:00 LCS(IJ), S, 1.02, 200.,, ,,
13-SEP-90 11:51:01 PB254, S, 2.17, 200.,, ,,
13-SEP-90 11:51:01 LCS(JT), S, 1.00, 200.,, ,,
13-SEP-90 11:51:01 PB245, S, 3.68, 200.,, ,,
13-SEP-90 11:51:01 LCS(JK), S, 1.00, 200.,, ,,
13-SEP-90 11:51:01 LCS(JK)1/20, S, 1.00, 200.,, , 20.,,
13-SEP-90 11:51:01 LCS(JT)1/20, S, 1.0, 200.,, , 20.,,
13-SEP-90 11:51:02 PB269, L, 100.60, 100.,, ,,
13-SEP-90 11:51:02 ICV-1(KI), L, 100.16, 100.,, ,,
13-SEP-90 11:51:02 PB271, S, 1.16, 200.,, ,,
13-SEP-90 11:51:02 LCS(KK), S, 1.00, 200.,, ,,

Still need:
Ni, Cr

Cu on PB blank } still need
1:5 } serial dilution } Sb (Cu spike)
1:25

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 2
13-SEP-90 11:50

Time	Sample	Rep	Element	Conc	Unit	Notes
13-SEP-90 11:51:02	LCS(KK)1/20, S, 1.00, 200.00, 20.00					
13-SEP-90 11:51:02	PB278, S, 1.00, 200.00					
13-SEP-90 11:51:02	LCS(KR) S, 1.01, 200.00					
13-SEP-90 11:51:02	LCS(KR)1/20, S, 1.01, 200.00, 20.00					
13-SEP-90 11:51:02	PB286, S, 1.20, 200.00					
13-SEP-90 11:51:02	LCS(KZ) S, 1.00, 200.00					
13-SEP-90 11:51:02	LCS(KZ)1/20, S, 1.00, 200.00, 20.00					
13-SEP-90 11:52:22	wcal standard	rep 1	Sb206	1037.0	conc 100.000	
13-SEP-90 11:52:31		rep 1	Zn213	1713.4	conc 50.0000	window edge
13-SEP-90 11:52:41		rep 1	Pb220	1313.3	conc 100.000	window edge
13-SEP-90 11:52:49		rep 1	Cd226	1736.4	conc 50.0000	
13-SEP-90 11:52:56		rep 1	Co238	15.5	conc 50.0000	window edge
13-SEP-90 11:53:05		rep 1	Ni231	1116.1	conc 50.0000	
13-SEP-90 11:53:13		rep 1	Mn257	1945.6	conc 50.0000	
13-SEP-90 11:53:20		rep 1	Fe259	605.4	conc 100.000	window edge
13-SEP-90 11:53:27		rep 1	Cr267	2126.4	conc 50.0000	
13-SEP-90 11:53:34		rep 1	Mg279	46.1	conc 1000.00	
13-SEP-90 11:53:42		rep 1	V292	4297.5	conc 50.000	window edge
13-SEP-90 11:53:49		rep 1	Be313.1	13698.5	conc 50.0000	
13-SEP-90 11:53:57		rep 1	Ca317	3184.6	conc 1000.00	
13-SEP-90 11:54:07		rep 1	Cu324	6352.8	conc 50.0000	
13-SEP-90 11:54:19		rep 1	Ag328	860.9	conc 50.0000	
13-SEP-90 11:54:31		rep 1	Al396	10.9	conc 100.000	window edge
13-SEP-90 11:54:40		rep 1	Ba455	267.0	conc 50.0000	
13-SEP-90 11:54:52		rep 1	Na589	28.3	conc 1000.00	
13-SEP-90 11:55:10		rep 1	K766	210.5	conc 1000.00	
13-SEP-90 11:55:30		rep 2	Sb206	1118.2	conc 100.000	
13-SEP-90 11:55:39		rep 2	Zn213	1902.7	conc 50.0000	
13-SEP-90 11:55:50		rep 2	Pb220	2541.5	conc 100.000	
13-SEP-90 11:55:57		rep 2	Cd226	1531.9	conc 50.0000	
13-SEP-90 11:56:04		rep 2	Co238	848.5	conc 50.0000	
13-SEP-90 11:56:14		rep 2	Ni231	1296.9	conc 50.0000	
13-SEP-90 11:56:21		rep 2	Mn257	1917.5	conc 50.0000	
13-SEP-90 11:56:28		rep 2	Fe259	1230.9	conc 100.000	
13-SEP-90 11:56:35		rep 2	Cr267	1866.4	conc 50.0000	
13-SEP-90 11:56:42		rep 2	Mg279	38.5	conc 1000.00	
13-SEP-90 11:56:50		rep 2	V292	5295.9	conc 50.000	
13-SEP-90 11:56:57		rep 2	Be313.1	12076.2	conc 50.0000	
13-SEP-90 11:57:04		rep 2	Ca317	2732.9	conc 1000.00	
13-SEP-90 11:57:15		rep 2	Cu324	4990.3	conc 50.0000	
13-SEP-90 11:57:27		rep 2	Ag328	925.6	conc 50.0000	
13-SEP-90 11:57:39		rep 2	Al396	36.1	conc 100.000	
13-SEP-90 11:57:47		rep 2	Ba455	258.9	conc 50.0000	
13-SEP-90 11:57:59		rep 2	Na589	27.7	conc 1000.00	
13-SEP-90 11:58:17		rep 2	K766	201.6	conc 1000.00	
13-SEP-90 11:59:48	blank	rep 1	Sb206	50.0		window edge
13-SEP-90 11:59:56		rep 1	Zn213	208.3		
13-SEP-90 12:00:05		rep 1	Pb220	-98.8		window edge
13-SEP-90 12:00:12		rep 1	Cd226	-43.3		window edge
13-SEP-90 12:00:17		rep 1	Co238	20.6		window edge
13-SEP-90 12:00:25		rep 1	Ni231	186.7		
13-SEP-90 12:00:31		rep 1	Mn257	19.1		
13-SEP-90 12:00:36		rep 1	Fe259	18.8		
13-SEP-90 12:00:42		rep 1	Cr267	119.5		
13-SEP-90 12:00:47		rep 1	Mg279	2.0		
13-SEP-90 12:00:55		rep 1	V292	324.3		
13-SEP-90 12:01:01		rep 1	Be313.1	14.0		window edge
13-SEP-90 12:01:07		rep 1	Ca317	20.0		
13-SEP-90 12:01:16		rep 1	Cu324	166.1		window edge
13-SEP-90 12:01:27		rep 1	Ag328	55.0		
13-SEP-90 12:01:38		rep 1	Al396	8.1		
13-SEP-90 12:01:45		rep 1	Ba455	2.3		
13-SEP-90 12:01:56		rep 1	Na589	15.2		
13-SEP-90 12:02:13		rep 1	K766	211.3		
13-SEP-90 12:02:30		rep 2	Sb206	315.2		
13-SEP-90 12:02:39		rep 2	Zn213	77.6		
13-SEP-90 12:02:48		rep 2	Pb220	705.0		
13-SEP-90 12:02:55		rep 2	Cd226	116.3		
13-SEP-90 12:03:00		rep 2	Co238	23.6		
13-SEP-90 12:03:09		rep 2	Ni231	-16.9		window edge
13-SEP-90 12:03:14		rep 2	Mn257	10.8		
13-SEP-90 12:03:20		rep 2	Fe259	19.8		
13-SEP-90 12:03:27		rep 2	Cr267	-10.9		
13-SEP-90 12:03:32		rep 2	Mg279	1.0		
13-SEP-90 12:03:39		rep 2	V292	465.5		
13-SEP-90 12:03:45		rep 2	Be313.1	144.1		
13-SEP-90 12:03:50		rep 2	Ca317	28.7		
13-SEP-90 12:03:59		rep 2	Cu324	304.7		
13-SEP-90 12:04:10		rep 2	Ag328	754.5		
13-SEP-90 12:04:20		rep 2	Al396	-0.2		
13-SEP-90 12:04:28		rep 2	Ba455	1.2		
13-SEP-90 12:04:38		rep 2	Na589	11.2		
13-SEP-90 12:04:55		rep 2	K766	52.6		window edge
13-SEP-90 12:06:23	# 1 standard	rep 1	Sb206	185.2	conc 100.000	
13-SEP-90 12:06:30		rep 1	Zn213	1305.6	conc 50.0000	
13-SEP-90 12:06:39		rep 1	Pb220	493.6	conc 100.000	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 3
13-SEP-90 11:50

13-SEP-90 12:06:46	rep 1	Cd226	em	1737.5	conc	50.0000	
13-SEP-90 12:06:51	rep 1	Co238	em	349.6	conc	50.0000	
13-SEP-90 12:06:59	rep 1	Ni231	em	642.3	conc	50.0000	
13-SEP-90 12:07:06	rep 1	Mn257	em	1417.8	conc	50.0000	
13-SEP-90 12:07:11	rep 1	Fe259	em	178.2	conc	100.000	
13-SEP-90 12:07:18	rep 1	Cr267	em	1681.3	conc	50.0000	
13-SEP-90 12:07:24	rep 1	Mg279	em	3.5	conc	1000.00	
13-SEP-90 12:07:30	rep 1	V292	em	1951.9	conc	50.000	
13-SEP-90 12:07:36	rep 1	Be313.1	em	13831.6	conc	50.0000	
13-SEP-90 12:07:42	rep 1	Ca317	em	115.7	conc	1000.00	
13-SEP-90 12:07:52	rep 1	Cu324	em	2230.6	conc	50.0000	
13-SEP-90 12:08:02	rep 1	Ag328	em	1628.0	conc	50.0000	
13-SEP-90 12:08:14	rep 1	Al396	em	7.1	conc	100.000	
13-SEP-90 12:08:21	rep 1	Ba455	em	173.8	conc	50.0000	
13-SEP-90 12:08:31	rep 1	Na589	em	16.0	conc	1000.00	
13-SEP-90 12:08:48	rep 1	K766	em	157.6	conc	1000.00	
13-SEP-90 12:09:06	rep 2	Sb206	em	314.8	conc	100.000	
13-SEP-90 12:09:14	rep 2	Zn213	em	1241.7	conc	50.0000	
13-SEP-90 12:09:23	rep 2	Pb220	em	554.2	conc	100.000	
13-SEP-90 12:09:30	rep 2	Cd226	em	1753.2	conc	50.0000	
13-SEP-90 12:09:35	rep 2	Co238	em	342.0	conc	50.0000	
13-SEP-90 12:09:44	rep 2	Ni231	em	505.2	conc	50.0000	
13-SEP-90 12:09:49	rep 2	Mn257	em	1382.0	conc	50.0000	
13-SEP-90 12:09:54	rep 2	Fe259	em	178.3	conc	100.000	
13-SEP-90 12:10:00	rep 2	Cr267	em	1774.0	conc	50.0000	
13-SEP-90 12:10:06	rep 2	Mg279	em	3.0	conc	1000.00	window edge
13-SEP-90 12:10:12	rep 2	V292	em	1917.9	conc	50.000	
13-SEP-90 12:10:18	rep 2	Be313.1	em	13823.5	conc	50.0000	
13-SEP-90 12:10:24	rep 2	Ca317	em	100.2	conc	1000.00	
13-SEP-90 12:10:33	rep 2	Cu324	em	2298.1	conc	50.0000	
13-SEP-90 12:10:44	rep 2	Ag328	em	1989.2	conc	50.0000	
13-SEP-90 12:10:54	rep 2	Al396	em	5.2	conc	100.000	
13-SEP-90 12:11:01	rep 2	Ba455	em	164.8	conc	50.0000	
13-SEP-90 12:11:11	rep 2	Na589	em	32.8	conc	1000.00	
13-SEP-90 12:11:27	rep 2	K766	em	299.3	conc	1000.00	
13-SEP-90 12:12:58	rep 1	Sb206	em	369.1	conc	100.000	# 2 standard
13-SEP-90 12:13:05	rep 1	Zn213	em	2528.7	conc	100.000	
13-SEP-90 12:13:14	rep 1	Pb220	em	1024.8	conc	100.000	
13-SEP-90 12:13:21	rep 1	Cd226	em	3308.1	conc	100.000	
13-SEP-90 12:13:26	rep 1	Co238	em	662.9	conc	100.000	
13-SEP-90 12:13:35	rep 1	Ni231	em	1122.9	conc	100.000	
13-SEP-90 12:13:40	rep 1	Mn257	em	2727.8	conc	100.000	
13-SEP-90 12:13:46	rep 1	Fe259	em	302.2	conc	100.000	
13-SEP-90 12:13:52	rep 1	Cr267	em	3062.9	conc	100.000	
13-SEP-90 12:13:57	rep 1	V292	em	3936.3	conc	100.000	
13-SEP-90 12:14:03	rep 1	Be313.1	em	26534.7	conc	100.000	
13-SEP-90 12:14:12	rep 1	Cu324	em	4336.4	conc	100.000	
13-SEP-90 12:14:23	rep 1	Ag328	em	3481.1	conc	100.000	
13-SEP-90 12:14:33	rep 1	Al396	em	7.8	conc	100.000	
13-SEP-90 12:14:41	rep 1	Ba455	em	325.8	conc	100.000	
13-SEP-90 12:14:54	rep 2	Sb206	em	666.8	conc	100.000	
13-SEP-90 12:15:02	rep 2	Zn213	em	2398.9	conc	100.000	
13-SEP-90 12:15:11	rep 2	Pb220	em	840.1	conc	100.000	
13-SEP-90 12:15:17	rep 2	Cd226	em	3177.4	conc	100.000	
13-SEP-90 12:15:23	rep 2	Co238	em	572.8	conc	100.000	
13-SEP-90 12:15:31	rep 2	Ni231	em	1074.5	conc	100.000	
13-SEP-90 12:15:37	rep 2	Mn257	em	2704.4	conc	100.000	
13-SEP-90 12:15:42	rep 2	Fe259	em	296.8	conc	100.000	
13-SEP-90 12:15:49	rep 2	Cr267	em	3327.9	conc	100.000	
13-SEP-90 12:15:55	rep 2	V292	em	3784.5	conc	100.000	
13-SEP-90 12:16:02	rep 2	Be313.1	em	27472.8	conc	100.000	
13-SEP-90 12:16:11	rep 2	Cu324	em	4294.4	conc	100.000	
13-SEP-90 12:16:22	rep 2	Ag328	em	3878.6	conc	100.000	
13-SEP-90 12:16:33	rep 2	Al396	em	6.0	conc	100.000	
13-SEP-90 12:16:40	rep 2	Ba455	em	328.7	conc	100.000	
13-SEP-90 12:18:05	rep 1	Sb206	em	522.6	conc	200.000	# 3 standard
13-SEP-90 12:18:13	rep 1	Zn213	em	4980.6	conc	200.000	
13-SEP-90 12:18:22	rep 1	Pb220	em	1835.8	conc	200.000	
13-SEP-90 12:18:28	rep 1	Cd226	em	6640.2	conc	200.000	
13-SEP-90 12:18:33	rep 1	Co238	em	1266.8	conc	200.000	
13-SEP-90 12:18:42	rep 1	Ni231	em	2076.0	conc	200.000	
13-SEP-90 12:18:47	rep 1	Mn257	em	5475.8	conc	200.000	
13-SEP-90 12:18:52	rep 1	Fe259	em	614.2	conc	200.000	
13-SEP-90 12:18:59	rep 1	Cr267	em	6367.5	conc	200.000	
13-SEP-90 12:19:05	rep 1	V292	em	7796.0	conc	200.000	
13-SEP-90 12:19:12	rep 1	Be313.1	em	54223.0	conc	200.000	
13-SEP-90 12:19:21	rep 1	Cu324	em	8328.4	conc	200.000	
13-SEP-90 12:19:32	rep 1	Ag328	em	7597.6	conc	200.000	
13-SEP-90 12:19:43	rep 1	Al396	em	16.9	conc	200.000	
13-SEP-90 12:19:50	rep 1	Ba455	em	664.2	conc	200.000	
13-SEP-90 12:20:04	rep 2	Sb206	em	706.4	conc	200.000	
13-SEP-90 12:20:11	rep 2	Zn213	em	5080.5	conc	200.000	
13-SEP-90 12:20:21	rep 2	Pb220	em	2292.0	conc	200.000	
13-SEP-90 12:20:27	rep 2	Cd226	em	6758.9	conc	200.000	
13-SEP-90 12:20:33	rep 2	Co238	em	1256.9	conc	200.000	
13-SEP-90 12:20:41	rep 2	Ni231	em	2256.3	conc	200.000	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 4
13-SEP-90 11:50

13-SEP-90 12:20:47	rep 2	Mn257	em	5588.9	conc	200.000	
13-SEP-90 12:20:53	rep 2	Fe259	em	615.5	conc	200.000	
13-SEP-90 12:21:00	rep 2	Cr267	em	6374.3	conc	200.000	
13-SEP-90 12:21:06	rep 2	V292	em	7713.2	conc	200.000	
13-SEP-90 12:21:12	rep 2	Be313.1	em	54769.3	conc	200.000	
13-SEP-90 12:21:21	rep 2	Cu324	em	8398.3	conc	200.000	
13-SEP-90 12:21:32	rep 2	Ag328	em	7583.0	conc	200.000	
13-SEP-90 12:21:43	rep 2	Al396	em	19.6	conc	200.000	
13-SEP-90 12:21:50	rep 2	Ba455	em	703.5	conc	200.000	
13-SEP-90 12:23:18	# 4 standard	rep 1	Sb206	em	4247.5	conc	1000.00
13-SEP-90 12:23:26	rep 1	Zn213	em	24823.0	conc	1000.00	
13-SEP-90 12:23:35	rep 1	Pb220	em	9314.8	conc	1000.00	
13-SEP-90 12:23:42	rep 1	Co238	em	6538.3	conc	1000.00	
13-SEP-90 12:23:51	rep 1	Ni231	em	10809.5	conc	1000.00	
13-SEP-90 12:23:56	rep 1	Mn257	em	27688.9	conc	1000.00	
13-SEP-90 12:24:02	rep 1	Fe259	em	2898.3	conc	1000.00	
13-SEP-90 12:24:08	rep 1	Cr267	em	32095.3	conc	1000.00	
13-SEP-90 12:24:13	rep 1	Mg279	em	46.8	conc	1000.00	
13-SEP-90 12:24:20	rep 1	V292	em	37552.7	conc	1000.00	
13-SEP-90 12:24:26	rep 1	Ca317	em	2267.8	conc	1000.00	
13-SEP-90 12:24:35	rep 1	Cu324	em	40561.3	conc	1000.00	
13-SEP-90 12:24:46	rep 1	Al396	em	85.3	conc	1000.00	
13-SEP-90 12:24:53	rep 1	Ba455	em	3379.4	conc	1000.00	
13-SEP-90 12:25:03	rep 1	Na589	em	252.8	conc	1000.00	
13-SEP-90 12:25:20	rep 1	K766	em	797.5	conc	1000.00	
13-SEP-90 12:25:38	rep 2	Sb206	em	4353.6	conc	1000.00	
13-SEP-90 12:25:46	rep 2	Zn213	em	24604.8	conc	1000.00	
13-SEP-90 12:25:56	rep 2	Pb220	em	9762.4	conc	1000.00	
13-SEP-90 12:26:04	rep 2	Co238	em	6541.0	conc	1000.00	
13-SEP-90 12:26:12	rep 2	Ni231	em	10719.2	conc	1000.00	
13-SEP-90 12:26:18	rep 2	Mn257	em	28089.3	conc	1000.00	
13-SEP-90 12:26:23	rep 2	Fe259	em	2871.4	conc	1000.00	
13-SEP-90 12:26:29	rep 2	Cr267	em	31817.7	conc	1000.00	
13-SEP-90 12:26:34	rep 2	Mg279	em	50.7	conc	1000.00	
13-SEP-90 12:26:41	rep 2	V292	em	37407.9	conc	1000.00	
13-SEP-90 12:26:47	rep 2	Ca317	em	2284.3	conc	1000.00	
13-SEP-90 12:26:56	rep 2	Cu324	em	39395.2	conc	1000.00	
13-SEP-90 12:27:07	rep 2	Al396	em	86.2	conc	1000.00	
13-SEP-90 12:27:14	rep 2	Ba455	em	3390.4	conc	1000.00	
13-SEP-90 12:27:24	rep 2	Na589	em	243.7	conc	1000.00	
13-SEP-90 12:27:40	rep 2	K766	em	778.8	conc	1000.00	
13-SEP-90 12:29:13	# 5 standard	rep 1	Sb206	em	20309.4	conc	5000.00
13-SEP-90 12:29:20	rep 1	Zn213	em	122689.1	conc	5000.00	
13-SEP-90 12:29:29	rep 1	Pb220	em	46804.7	conc	5000.00	
13-SEP-90 12:29:36	rep 1	Co238	em	31328.0	conc	5000.00	
13-SEP-90 12:29:44	rep 1	Ni231	em	51387.1	conc	5000.00	
13-SEP-90 12:29:50	rep 1	Mn257	em	138273.0	conc	5000.00	
13-SEP-90 12:29:56	rep 1	Fe259	em	14260.6	conc	5000.00	
13-SEP-90 12:30:01	rep 1	Mg279	em	248.3	conc	5000.00	
13-SEP-90 12:30:08	rep 1	V292	em	193551.8	conc	5000.00	
13-SEP-90 12:30:14	rep 1	Ca317	em	11066.9	conc	5000.00	
13-SEP-90 12:30:23	rep 1	Cu324	em	205187.2	conc	5000.00	
13-SEP-90 12:30:34	rep 1	Al396	em	422.7	conc	5000.00	
13-SEP-90 12:30:41	rep 1	Ba455	em	17392.9	conc	5000.00	
13-SEP-90 12:30:51	rep 1	Na589	em	1145.0	conc	5000.00	
13-SEP-90 12:31:07	rep 1	K766	em	3807.9	conc	5000.00	
13-SEP-90 12:31:26	rep 2	Sb206	em	20029.7	conc	5000.00	
13-SEP-90 12:31:33	rep 2	Zn213	em	124627.9	conc	5000.00	
13-SEP-90 12:31:43	rep 2	Pb220	em	46568.6	conc	5000.00	
13-SEP-90 12:31:50	rep 2	Co238	em	31703.1	conc	5000.00	
13-SEP-90 12:31:58	rep 2	Ni231	em	51849.5	conc	5000.00	
13-SEP-90 12:32:04	rep 2	Mn257	em	138206.5	conc	5000.00	
13-SEP-90 12:32:15	rep 2	Fe259	em	14510.2	conc	5000.00	
13-SEP-90 12:32:21	rep 2	Mg279	em	253.4	conc	5000.00	
13-SEP-90 12:32:27	rep 2	V292	em	195122.3	conc	5000.00	
13-SEP-90 12:32:36	rep 2	Ca317	em	10995.7	conc	5000.00	
13-SEP-90 12:32:47	rep 2	Cu324	em	204321.6	conc	5000.00	
13-SEP-90 12:32:54	rep 2	Al396	em	416.1	conc	5000.00	
13-SEP-90 12:33:04	rep 2	Ba455	em	16923.2	conc	5000.00	
13-SEP-90 12:33:20	rep 2	Na589	em	1174.7	conc	5000.00	
13-SEP-90 12:34:51	# 6 standard	rep 1	K766	em	3923.0	conc	5000.00
13-SEP-90 12:34:56	rep 1	Fe259	em	29169.3	conc	10000.0	
13-SEP-90 12:35:03	rep 1	Mg279	em	528.5	conc	10000.0	
13-SEP-90 12:35:13	rep 1	Ca317	em	22686.2	conc	10000.0	
13-SEP-90 12:35:25	rep 1	Al396	em	844.6	conc	10000.0	
13-SEP-90 12:35:41	rep 1	Na589	em	2268.4	conc	10000.0	
13-SEP-90 12:35:56	rep 1	K766	em	7642.8	conc	10000.0	
13-SEP-90 12:36:01	rep 2	Fe259	em	29123.9	conc	10000.0	
13-SEP-90 12:36:08	rep 2	Mg279	em	526.1	conc	10000.0	
13-SEP-90 12:36:19	rep 2	Ca317	em	22617.7	conc	10000.0	
13-SEP-90 12:36:31	rep 2	Al396	em	859.7	conc	10000.0	
13-SEP-90 12:36:47	rep 2	Na589	em	2296.9	conc	10000.0	
13-SEP-90 12:38:18	# 7 standard	rep 1	K766	em	7678.7	conc	10000.0
13-SEP-90 12:38:25	rep 1	Mg279	em	2455.5	conc	50000.0	
13-SEP-90 12:38:37	rep 1	Ca317	em	110987.1	conc	50000.0	
	rep 1	Al396	em	4071.2	conc	50000.0	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 5
13-SEP-90 11:50

13-SEP-90 12:38:50	rep 1	Na589	em	11402.9	conc	50000.0	
13-SEP-90 12:39:01	rep 2	Mg279	em	2509.1	conc	50000.0	
13-SEP-90 12:39:08	rep 2	Ca317	em	112788.1	conc	50000.0	
13-SEP-90 12:39:19	rep 2	Al396	em	4146.5	conc	50000.0	
13-SEP-90 12:39:30	rep 2	Na589	em	11260.4	conc	50000.0	
13-SEP-90 12:40:59	rep 1	Mg279	em	23304.7	conc	50000.0	
13-SEP-90 12:41:06	rep 1	Ca317	em	1022527.1	conc	50000.0	over range
13-SEP-90 12:41:20	rep 1	Na589	em	113791.6	conc	50000.0	
13-SEP-90 12:41:37	rep 1	K766	em	82325.1	conc	100000.0	
13-SEP-90 12:41:51	rep 2	Mg279	em	23399.6	conc	50000.0	
13-SEP-90 12:41:58	rep 2	Ca317	em	1023085.8	conc	50000.0	over range
13-SEP-90 12:42:11	rep 2	Na589	em	112830.5	conc	50000.0	
13-SEP-90 12:42:27	rep 2	K766	em	82008.4	conc	100000.0	
13-SEP-90 12:44:03	rep 1	Sb206	conc	2012.20	ug/L		
13-SEP-90 12:44:11	rep 1	Zn213	conc	492.73	ug/L		
13-SEP-90 12:44:20	rep 1	Pb220	conc	1059.65	ug/L		
13-SEP-90 12:44:27	rep 1	Cd226	conc	506.891	ug/L		
13-SEP-90 12:44:32	rep 1	Co238	conc	510.05	ug/L		
13-SEP-90 12:44:41	rep 1	Ni231	conc	501.04	ug/L		
13-SEP-90 12:44:47	rep 1	Mn257	conc	495.47	ug/L		
13-SEP-90 12:44:52	rep 1	Fe259	conc	569.2	ug/L		
13-SEP-90 12:44:59	rep 1	Cr267	conc	531.21	ug/L		
13-SEP-90 12:45:05	rep 1	Mg279	conc	206	ug/L		
13-SEP-90 12:45:12	rep 1	V292	conc	514.95	ug/L		
13-SEP-90 12:45:18	rep 1	Be313.1	conc	524.784	ug/L		
13-SEP-90 12:45:24	rep 1	Ca317	conc	1058.9	ug/L		
13-SEP-90 12:45:33	rep 1	Cu324	conc	495.66	ug/L		
13-SEP-90 12:45:44	rep 1	Ag328	conc	491.310	ug/L		
13-SEP-90 12:45:55	rep 1	Al396	conc	1022.0	ug/L		
13-SEP-90 12:46:02	rep 1	Ba455	conc	521.68	ug/L		
13-SEP-90 12:46:13	rep 1	Na589	conc	1261	ug/L		
13-SEP-90 12:46:29	rep 1	K766	conc	1402	ug/L		
13-SEP-90 12:46:47	rep 2	Sb206	conc	2062.67	ug/L		
13-SEP-90 12:46:55	rep 2	Zn213	conc	500.88	ug/L		
13-SEP-90 12:47:04	rep 2	Pb220	conc	987.58	ug/L		
13-SEP-90 12:47:10	rep 2	Cd226	conc	514.219	ug/L		
13-SEP-90 12:47:15	rep 2	Co238	conc	511.96	ug/L		
13-SEP-90 12:47:23	rep 2	Ni231	conc	518.13	ug/L		
13-SEP-90 12:47:29	rep 2	Mn257	conc	487.62	ug/L		
13-SEP-90 12:47:34	rep 2	Fe259	conc	559.7	ug/L		
13-SEP-90 12:47:40	rep 2	Cr267	conc	510.96	ug/L		
13-SEP-90 12:47:46	rep 2	Mg279	conc	230	ug/L		
13-SEP-90 12:47:52	rep 2	V292	conc	507.47	ug/L		
13-SEP-90 12:47:58	rep 2	Be313.1	conc	528.261	ug/L		
13-SEP-90 12:48:04	rep 2	Ca317	conc	1074.8	ug/L		
13-SEP-90 12:48:13	rep 2	Cu324	conc	517.44	ug/L		
13-SEP-90 12:48:24	rep 2	Ag328	conc	487.634	ug/L		
13-SEP-90 12:48:35	rep 2	Al396	conc	970.6	ug/L		
13-SEP-90 12:48:42	rep 2	Ba455	conc	510.97	ug/L		
13-SEP-90 12:48:52	rep 2	Na589	conc	1208	ug/L		
13-SEP-90 12:49:08	rep 2	K766	conc	1398	ug/L		
13-SEP-90 12:50:43	rep 1	Fe259	conc	51224.0	ug/L		
13-SEP-90 12:50:48	rep 1	Mg279	conc	52841	ug/L		
13-SEP-90 12:50:54	rep 1	Ca317	conc	50140.3	ug/L		
13-SEP-90 12:51:06	rep 1	Al396	conc	49192.7	ug/L		
13-SEP-90 12:51:17	rep 1	Na589	conc	50453	ug/L		
13-SEP-90 12:51:33	rep 1	K766	conc	47340	ug/L		
13-SEP-90 12:51:48	rep 2	Fe259	conc	50697.2	ug/L		
13-SEP-90 12:51:53	rep 2	Mg279	conc	51701	ug/L		
13-SEP-90 12:51:59	rep 2	Ca317	conc	50373.7	ug/L		
13-SEP-90 12:52:10	rep 2	Al396	conc	49852.5	ug/L		
13-SEP-90 12:52:21	rep 2	Na589	conc	50377	ug/L		
13-SEP-90 12:52:37	rep 2	K766	conc	46691	ug/L		
13-SEP-90 12:54:18	rep 1	Sb206	conc	0.03	ug/L		
13-SEP-90 12:54:26	rep 1	Zn213	conc	3.04	ug/L		
13-SEP-90 12:54:35	rep 1	Pb220	conc	3.95	ug/L		
13-SEP-90 12:54:42	rep 1	Cd226	conc	1.207	ug/L		
13-SEP-90 12:54:47	rep 1	Co238	conc	-7.75	ug/L		
13-SEP-90 12:54:55	rep 1	Ni231	conc	-5.80	ug/L		
13-SEP-90 12:55:01	rep 1	Mn257	conc	-0.95	ug/L		
13-SEP-90 12:55:06	rep 1	Fe259	conc	11.0	ug/L		
13-SEP-90 12:55:12	rep 1	Cr267	conc	3.19	ug/L		
13-SEP-90 12:55:17	rep 1	Mg279	conc	-915	ug/L		
13-SEP-90 12:55:24	rep 1	V292	conc	3.64	ug/L		
13-SEP-90 12:55:30	rep 1	Be313.1	conc	-0.388	ug/L		
13-SEP-90 12:55:36	rep 1	Ca317	conc	-0.1	ug/L		
13-SEP-90 12:55:45	rep 1	Cu324	conc	5.70	ug/L		
13-SEP-90 12:55:55	rep 1	Ag328	conc	-3.828	ug/L		
13-SEP-90 12:56:06	rep 1	Al396	conc	-59.9	ug/L		
13-SEP-90 12:56:13	rep 1	Ba455	conc	4.12	ug/L		
13-SEP-90 12:56:23	rep 1	Na589	conc	115	ug/L		
13-SEP-90 12:56:39	rep 1	K766	conc	500	ug/L		
13-SEP-90 12:56:58	rep 2	Sb206	conc	36.25	ug/L		
13-SEP-90 12:57:05	rep 2	Zn213	conc	1.60	ug/L		
13-SEP-90 12:57:15	rep 2	Pb220	conc	-4.64	ug/L		
13-SEP-90 12:57:21	rep 2	Cd226	conc	2.278	ug/L		

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 6
13-SEP-90 11:50

Date/Time	Rep	Element	Conc	Unit	Notes
13-SEP-90 12:57:27	rep 2	Co238	-6.93	ug/L	window edge
13-SEP-90 12:57:35	rep 2	Ni231	-1.99	ug/L	
13-SEP-90 12:57:40	rep 2	Mn257	-1.63	ug/L	window edge
13-SEP-90 12:57:45	rep 2	Fe259	6.2	ug/L	
13-SEP-90 12:57:52	rep 2	Cr267	-0.73	ug/L	
13-SEP-90 12:57:57	rep 2	Mg279	-1004	ug/L	
13-SEP-90 12:58:03	rep 2	V292	3.84	ug/L	
13-SEP-90 12:58:09	rep 2	Be313.1	-0.273	ug/L	window edge
13-SEP-90 12:58:15	rep 2	Ca317	-5.3	ug/L	
13-SEP-90 12:58:24	rep 2	Cu324	-8.21	ug/L	window edge
13-SEP-90 12:58:35	rep 2	Ag328	-6.784	ug/L	
13-SEP-90 12:58:45	rep 2	Al396	-83.8	ug/L	
13-SEP-90 12:58:52	rep 2	Ba455	3.14	ug/L	window edge
13-SEP-90 12:59:02	rep 2	Na589	10	ug/L	
13-SEP-90 12:59:18	rep 2	K766	386	ug/L	
13-SEP-90 13:00:58	rep 1	Sb206	-6.43	ug/L	
13-SEP-90 13:01:05	rep 1	Zn213	26.97	ug/L	
13-SEP-90 13:01:15	rep 1	Pb220	-508.68	ug/L	window edge
13-SEP-90 13:01:21	rep 1	Cd226	12.072	ug/L	
13-SEP-90 13:01:26	rep 1	Co238	6.48	ug/L	
13-SEP-90 13:01:34	rep 1	Ni231	5.04	ug/L	
13-SEP-90 13:01:40	rep 1	Mn257	5.70	ug/L	
13-SEP-90 13:01:45	rep 1	Fe259	199467.5	ug/L	
13-SEP-90 13:01:52	rep 1	Cr267	43.01	ug/L	
13-SEP-90 13:01:58	rep 1	Mg279	516759	ug/L	
13-SEP-90 13:02:05	rep 1	V292	40.12	ug/L	window edge
13-SEP-90 13:02:11	rep 1	Be313.1	-0.333	ug/L	
13-SEP-90 13:02:17	rep 1	Ca317	460542.6	ug/L	over range
13-SEP-90 13:02:26	rep 1	Cu324	15.61	ug/L	window edge
13-SEP-90 13:02:37	rep 1	Ag328	-7.321	ug/L	
13-SEP-90 13:02:48	rep 1	Al396	459823.6	ug/L	
13-SEP-90 13:02:55	rep 1	Ba455	7.90	ug/L	
13-SEP-90 13:03:06	rep 1	Na589	231	ug/L	
13-SEP-90 13:03:22	rep 1	K766	257	ug/L	
13-SEP-90 13:03:41	rep 2	Sb206	-0.36	ug/L	
13-SEP-90 13:03:48	rep 2	Zn213	23.57	ug/L	
13-SEP-90 13:03:58	rep 2	Pb220	-466.73	ug/L	window edge
13-SEP-90 13:04:04	rep 2	Cd226	12.258	ug/L	
13-SEP-90 13:04:09	rep 2	Co238	-2.98	ug/L	
13-SEP-90 13:04:18	rep 2	Ni231	5.08	ug/L	
13-SEP-90 13:04:23	rep 2	Mn257	7.70	ug/L	
13-SEP-90 13:04:28	rep 2	Fe259	202267.1	ug/L	
13-SEP-90 13:04:34	rep 2	Cr267	46.09	ug/L	
13-SEP-90 13:04:40	rep 2	Mg279	525711	ug/L	
13-SEP-90 13:04:46	rep 2	V292	66.75	ug/L	
13-SEP-90 13:04:52	rep 2	Be313.1	-0.284	ug/L	
13-SEP-90 13:04:58	rep 2	Ca317	459052.7	ug/L	over range
13-SEP-90 13:05:07	rep 2	Cu324	14.32	ug/L	window edge
13-SEP-90 13:05:18	rep 2	Ag328	-13.627	ug/L	window edge
13-SEP-90 13:05:28	rep 2	Al396	463348.3	ug/L	
13-SEP-90 13:05:35	rep 2	Ba455	5.64	ug/L	
13-SEP-90 13:05:46	rep 2	Na589	173	ug/L	
13-SEP-90 13:06:02	rep 2	K766	624	ug/L	
13-SEP-90 13:07:43	rep 1	Sb206	953.95	ug/L	
13-SEP-90 13:07:50	rep 1	Zn213	934.92	ug/L	
13-SEP-90 13:07:59	rep 1	Pb220	654.35	ug/L	
13-SEP-90 13:08:06	rep 1	Cd226	919.491	ug/L	
13-SEP-90 13:08:11	rep 1	Co238	433.29	ug/L	
13-SEP-90 13:08:19	rep 1	Ni231	890.24	ug/L	
13-SEP-90 13:08:24	rep 1	Mn257	466.72	ug/L	
13-SEP-90 13:08:30	rep 1	Fe259	209236.4	ug/L	
13-SEP-90 13:08:36	rep 1	Cr267	501.42	ug/L	
13-SEP-90 13:08:42	rep 1	Mg279	518121	ug/L	
13-SEP-90 13:08:49	rep 1	V292	465.86	ug/L	
13-SEP-90 13:08:55	rep 1	Be313.1	474.468	ug/L	
13-SEP-90 13:09:01	rep 1	Ca317	459360.5	ug/L	over range
13-SEP-90 13:09:11	rep 1	Cu324	468.50	ug/L	
13-SEP-90 13:09:22	rep 1	Ag328	917.090	ug/L	
13-SEP-90 13:09:32	rep 1	Al396	461543.9	ug/L	
13-SEP-90 13:09:39	rep 1	Ba455	510.35	ug/L	
13-SEP-90 13:09:49	rep 1	Na589	132	ug/L	
13-SEP-90 13:10:05	rep 1	K766	370	ug/L	
13-SEP-90 13:10:24	rep 2	Sb206	1004.99	ug/L	
13-SEP-90 13:10:31	rep 2	Zn213	948.28	ug/L	
13-SEP-90 13:10:40	rep 2	Pb220	703.89	ug/L	
13-SEP-90 13:10:47	rep 2	Cd226	909.159	ug/L	
13-SEP-90 13:10:52	rep 2	Co238	439.49	ug/L	
13-SEP-90 13:11:01	rep 2	Ni231	884.91	ug/L	
13-SEP-90 13:11:07	rep 2	Mn257	474.98	ug/L	
13-SEP-90 13:11:12	rep 2	Fe259	202794.8	ug/L	
13-SEP-90 13:11:19	rep 2	Cr267	497.33	ug/L	
13-SEP-90 13:11:25	rep 2	Mg279	518055	ug/L	
13-SEP-90 13:11:31	rep 2	V292	469.90	ug/L	
13-SEP-90 13:11:37	rep 2	Be313.1	484.265	ug/L	
13-SEP-90 13:11:44	rep 2	Ca317	459461.0	ug/L	over range
13-SEP-90 13:11:53	rep 2	Cu324	470.51	ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER 7
13-SEP-90 11:50

13-SEP-90 13:12:04	rep 2	Ag328	conc	923.426 ug/l	
13-SEP-90 13:12:14	rep 2	Al396	conc	466119.7 ug/l	
13-SEP-90 13:12:21	rep 2	Ba455	conc	488.66 ug/l	
13-SEP-90 13:12:31	rep 2	Na589	conc	133 ug/l	
13-SEP-90 13:12:47	rep 2	K766	conc	377 ug/l	
13-SEP-90 13:14:29	rep 1	Sb206	conc	140.64 ug/l	
13-SEP-90 13:14:37	rep 1	Zn213	conc	40.88 ug/l	
13-SEP-90 13:14:46	rep 1	Pb220	conc	218.73 ug/l	
13-SEP-90 13:14:53	rep 1	Cd226	conc	12.541 ug/l	
13-SEP-90 13:14:58	rep 1	Co238	conc	100.51 ug/l	
13-SEP-90 13:15:06	rep 1	Ni231	conc	74.43 ug/l	
13-SEP-90 13:15:12	rep 1	Mn257	conc	29.64 ug/l	
13-SEP-90 13:15:18	rep 1	Fe259	conc	233.8 ug/l	
13-SEP-90 13:15:25	rep 1	Cr267	conc	23.43 ug/l	
13-SEP-90 13:15:30	rep 1	Mg279	conc	-904 ug/l	
13-SEP-90 13:15:37	rep 1	V292	conc	105.65 ug/l	
13-SEP-90 13:15:43	rep 1	Be313.1	conc	10.168 ug/l	
13-SEP-90 13:15:49	rep 1	Ca317	conc	57.6 ug/l	
13-SEP-90 13:15:58	rep 1	Cu324	conc	54.84 ug/l	
13-SEP-90 13:16:09	rep 1	Ag328	conc	6.607 ug/l	
13-SEP-90 13:16:19	rep 1	Al396	conc	328.8 ug/l	
13-SEP-90 13:16:26	rep 1	Ba455	conc	44.50 ug/l	
13-SEP-90 13:16:36	rep 1	Na589	conc	25 ug/l	
13-SEP-90 13:16:53	rep 1	K766	conc	490 ug/l	
13-SEP-90 13:17:12	rep 2	Sb206	conc	146.43 ug/l	
13-SEP-90 13:17:19	rep 2	Zn213	conc	38.88 ug/l	
13-SEP-90 13:17:28	rep 2	Pb220	conc	190.02 ug/l	
13-SEP-90 13:17:35	rep 2	Cd226	conc	10.034 ug/l	
13-SEP-90 13:17:40	rep 2	Co238	conc	106.12 ug/l	
13-SEP-90 13:17:48	rep 2	Ni231	conc	75.16 ug/l	
13-SEP-90 13:17:54	rep 2	Mn257	conc	30.96 ug/l	
13-SEP-90 13:18:00	rep 2	Fe259	conc	226.5 ug/l	
13-SEP-90 13:18:07	rep 2	Cr267	conc	20.54 ug/l	
13-SEP-90 13:18:12	rep 2	Mg279	conc	-778 ug/l	
13-SEP-90 13:18:20	rep 2	V292	conc	114.68 ug/l	
13-SEP-90 13:18:26	rep 2	Be313.1	conc	9.649 ug/l	
13-SEP-90 13:18:32	rep 2	Ca317	conc	66.1 ug/l	
13-SEP-90 13:18:40	rep 2	Cu324	conc	59.04 ug/l	
13-SEP-90 13:18:51	rep 2	Ag328	conc	31.477 ug/l	
13-SEP-90 13:19:02	rep 2	Al396	conc	327.6 ug/l	
13-SEP-90 13:19:09	rep 2	Ba455	conc	45.51 ug/l	
13-SEP-90 13:19:19	rep 2	Na589	conc	12 ug/l	
13-SEP-90 13:19:35	rep 2	K766	conc	392 ug/l	window edge
13-SEP-90 13:21:16	rep 1	Cu324	conc	11.23 ug/l	
13-SEP-90 13:21:26	rep 2	Cu324	conc	-2.76 ug/l	window edge
13-SEP-90 13:23:05	rep 1	Sb206	conc	158.16 ug/l	
13-SEP-90 13:23:12	rep 1	Zn213	conc	16.80 ug/l	
13-SEP-90 13:23:21	rep 1	Pb220	conc	-36.81 ug/l	
13-SEP-90 13:23:28	rep 1	Cd226	conc	-7.254 ug/l	
13-SEP-90 13:23:33	rep 1	Co238	conc	-11.31 ug/l	
13-SEP-90 13:23:41	rep 1	Ni231	conc	51.32 ug/l	
13-SEP-90 13:23:47	rep 1	Mn257	conc	390.10 ug/l	
13-SEP-90 13:23:52	rep 1	Fe259	conc	70219.8 ug/l	
13-SEP-90 13:23:58	rep 1	Cr267	conc	29.16 ug/l	
13-SEP-90 13:24:04	rep 1	Mg279	conc	129654 ug/l	
13-SEP-90 13:24:10	rep 1	V292	conc	88.03 ug/l	
13-SEP-90 13:24:16	rep 1	Be313.1	conc	2.893 ug/l	
13-SEP-90 13:24:22	rep 1	Ca317	conc	268281.1 ug/l	
13-SEP-90 13:24:32	rep 1	Cu324	conc	76.56 ug/l	
13-SEP-90 13:24:42	rep 1	Ag328	conc	-18.001 ug/l	
13-SEP-90 13:24:53	rep 1	Al396	conc	-297.3 ug/l	
13-SEP-90 13:25:01	rep 1	Ba455	conc	69.41 ug/l	
13-SEP-90 13:25:12	rep 1	Na589	conc	814418 ug/l	
13-SEP-90 13:25:28	rep 1	K766	conc	25406 ug/l	
13-SEP-90 13:25:46	rep 2	Sb206	conc	-240.43 ug/l	
13-SEP-90 13:25:54	rep 2	Zn213	conc	11.65 ug/l	
13-SEP-90 13:26:03	rep 2	Pb220	conc	-98.26 ug/l	window edge
13-SEP-90 13:26:10	rep 2	Cd226	conc	-14.731 ug/l	window edge
13-SEP-90 13:26:16	rep 2	Co238	conc	2.55 ug/l	
13-SEP-90 13:26:24	rep 2	Ni231	conc	13.69 ug/l	
13-SEP-90 13:26:30	rep 2	Mn257	conc	385.99 ug/l	
13-SEP-90 13:26:35	rep 2	Fe259	conc	67738.0 ug/l	
13-SEP-90 13:26:42	rep 2	Cr267	conc	32.04 ug/l	
13-SEP-90 13:26:47	rep 2	Mg279	conc	132925 ug/l	
13-SEP-90 13:26:54	rep 2	V292	conc	24.37 ug/l	window edge
13-SEP-90 13:27:00	rep 2	Be313.1	conc	2.774 ug/l	
13-SEP-90 13:27:06	rep 2	Ca317	conc	270474.0 ug/l	
13-SEP-90 13:27:15	rep 2	Cu324	conc	150.07 ug/l	
13-SEP-90 13:27:26	rep 2	Ag328	conc	3.773 ug/l	
13-SEP-90 13:27:36	rep 2	Al396	conc	-341.1 ug/l	
13-SEP-90 13:27:43	rep 2	Ba455	conc	71.75 ug/l	
13-SEP-90 13:27:54	rep 2	Na589	conc	795910 ug/l	
13-SEP-90 13:28:10	rep 2	K766	conc	25772 ug/l	
13-SEP-90 13:29:55	rep 1	Sb206	conc	1137.76 ug/l	
13-SEP-90 13:30:03	rep 1	Zn213	conc	100.37 ug/l	
13-SEP-90 13:30:13	rep 1	Pb220	conc	-905.78 ug/l	window edge

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP1_WATCH.13SEP901150
Method: EPA\INCLP

ICP1--1ER 8
13-SEP-90 11:50

13-SEP-90 13:30:20	rep 1	Cd226	conc	83.429	ug/l	
13-SEP-90 13:30:25	rep 1	Co238	conc	-194.86	ug/l	
13-SEP-90 13:30:33	rep 1	Ni231	conc	-115.35	ug/l	
13-SEP-90 13:30:40	rep 1	Mn257	conc	375.19	ug/l	
13-SEP-90 13:30:45	rep 1	Fe259	conc	71380.2	ug/l	
13-SEP-90 13:30:51	rep 1	Cr267	conc	-9.70	ug/l	
13-SEP-90 13:30:57	rep 1	Mg279	conc	123613	ug/l	
13-SEP-90 13:31:03	rep 1	V292	conc	206.84	ug/l	
13-SEP-90 13:31:09	rep 1	Be313.1	conc	20.739	ug/l	
13-SEP-90 13:31:15	rep 1	Ca317	conc	285817.7	ug/l	
13-SEP-90 13:31:24	rep 1	Cu324	conc	-10.99	ug/l	window edge
13-SEP-90 13:31:35	rep 1	Ag328	conc	-66.123	ug/l	
13-SEP-90 13:31:45	rep 1	Al396	conc	-2364.8	ug/l	window edge
13-SEP-90 13:31:52	rep 1	Ba455	conc	152.81	ug/l	
13-SEP-90 13:32:03	rep 1	Na589	conc	824330	ug/l	
13-SEP-90 13:32:19	rep 1	K766	conc	31148	ug/l	
13-SEP-90 13:32:37	rep 2	Sb206	conc	1678.25	ug/l	
13-SEP-90 13:32:44	rep 2	Zn213	conc	32.84	ug/l	window edge
13-SEP-90 13:32:53	rep 2	Pb220	conc	-45.55	ug/l	
13-SEP-90 13:33:00	rep 2	Cd226	conc	79.823	ug/l	
13-SEP-90 13:33:05	rep 2	Co238	conc	-59.46	ug/l	
13-SEP-90 13:33:13	rep 2	Ni231	conc	-312.53	ug/l	
13-SEP-90 13:33:19	rep 2	Mn257	conc	396.31	ug/l	
13-SEP-90 13:33:24	rep 2	Fe259	conc	72554.2	ug/l	
13-SEP-90 13:33:30	rep 2	Cr267	conc	116.32	ug/l	
13-SEP-90 13:33:35	rep 2	Mg279	conc	122301	ug/l	
13-SEP-90 13:33:42	rep 2	V292	conc	613.77	ug/l	
13-SEP-90 13:33:48	rep 2	Be313.1	conc	7.141	ug/l	
13-SEP-90 13:33:54	rep 2	Ca317	conc	280846.8	ug/l	
13-SEP-90 13:34:02	rep 2	Cu324	conc	165.34	ug/l	
13-SEP-90 13:34:13	rep 2	Ag328	conc	-88.972	ug/l	
13-SEP-90 13:34:23	rep 2	Al396	conc	-2050.5	ug/l	
13-SEP-90 13:34:30	rep 2	Ba455	conc	156.38	ug/l	
13-SEP-90 13:34:41	rep 2	Na589	conc	842434	ug/l	
13-SEP-90 13:34:57	rep 2	K766	conc	28614	ug/l	
13-SEP-90 13:36:42	rep 1	Sb206	conc	9.43	ug/l	120685PB window edge
13-SEP-90 13:36:49	rep 1	Zn213	conc	1.55	ug/l	
13-SEP-90 13:36:58	rep 1	Pb220	conc	39.88	ug/l	
13-SEP-90 13:37:05	rep 1	Cd226	conc	3.722	ug/l	
13-SEP-90 13:37:10	rep 1	Co238	conc	1.48	ug/l	
13-SEP-90 13:37:18	rep 1	Ni231	conc	-21.76	ug/l	window edge
13-SEP-90 13:37:24	rep 1	Mn257	conc	-1.31	ug/l	window edge
13-SEP-90 13:37:29	rep 1	Fe259	conc	28.2	ug/l	
13-SEP-90 13:37:35	rep 1	Cr267	conc	2.09	ug/l	
13-SEP-90 13:37:40	rep 1	Mg279	conc	-1031	ug/l	window edge
13-SEP-90 13:37:47	rep 1	V292	conc	10.78	ug/l	
13-SEP-90 13:37:53	rep 1	Be313.1	conc	0.275	ug/l	
13-SEP-90 13:37:59	rep 1	Ca317	conc	-3.2	ug/l	
13-SEP-90 13:38:08	rep 1	Cu324	conc	8.64	ug/l	
13-SEP-90 13:38:18	rep 1	Ag328	conc	-2.775	ug/l	
13-SEP-90 13:38:29	rep 1	Al396	conc	-74.4	ug/l	
13-SEP-90 13:38:36	rep 1	Ba455	conc	4.62	ug/l	
13-SEP-90 13:38:47	rep 1	Na589	conc	71	ug/l	
13-SEP-90 13:39:03	rep 1	K766	conc	442	ug/l	
13-SEP-90 13:39:22	rep 2	Sb206	conc	48.05	ug/l	
13-SEP-90 13:39:29	rep 2	Zn213	conc	-1.06	ug/l	120610 window edge
13-SEP-90 13:39:39	rep 2	Pb220	conc	-22.59	ug/l	
13-SEP-90 13:39:46	rep 2	Cd226	conc	6.076	ug/l	
13-SEP-90 13:39:51	rep 2	Co238	conc	4.28	ug/l	
13-SEP-90 13:39:59	rep 2	Ni231	conc	-6.78	ug/l	
13-SEP-90 13:40:05	rep 2	Mn257	conc	-0.33	ug/l	
13-SEP-90 13:40:10	rep 2	Fe259	conc	34.6	ug/l	
13-SEP-90 13:40:16	rep 2	Cr267	conc	3.08	ug/l	
13-SEP-90 13:40:21	rep 2	Mg279	conc	-912	ug/l	
13-SEP-90 13:40:28	rep 2	V292	conc	12.04	ug/l	120610 window edge
13-SEP-90 13:40:34	rep 2	Be313.1	conc	0.138	ug/l	
13-SEP-90 13:40:39	rep 2	Ca317	conc	-9.9	ug/l	
13-SEP-90 13:40:48	rep 2	Cu324	conc	10.68	ug/l	
13-SEP-90 13:40:59	rep 2	Ag328	conc	-3.433	ug/l	
13-SEP-90 13:41:10	rep 2	Al396	conc	-86.2	ug/l	120610 window edge
13-SEP-90 13:41:17	rep 2	Ba455	conc	4.12	ug/l	
13-SEP-90 13:41:27	rep 2	Na589	conc	27	ug/l	
13-SEP-90 13:41:43	rep 2	K766	conc	336	ug/l	
13-SEP-90 13:43:29	rep 1	Sb206	conc	-14.04	ug/l	120610 window edge
13-SEP-90 13:43:36	rep 1	Zn213	conc	310.53	ug/l	
13-SEP-90 13:43:45	rep 1	Pb220	conc	4.39	ug/l	
13-SEP-90 13:43:51	rep 1	Cd226	conc	8.744	ug/l	
13-SEP-90 13:43:57	rep 1	Co238	conc	30.01	ug/l	
13-SEP-90 13:44:05	rep 1	Ni231	conc	76.99	ug/l	
13-SEP-90 13:44:10	rep 1	Mn257	conc	1486.34	ug/l	
13-SEP-90 13:44:16	rep 1	Fe259	conc	115152.1	ug/l	
13-SEP-90 13:44:22	rep 1	Cr267	conc	59.47	ug/l	
13-SEP-90 13:44:27	rep 1	Mg279	conc	20750	ug/l	
13-SEP-90 13:44:34	rep 1	V292	conc	100.42	ug/l	
13-SEP-90 13:44:39	rep 1	Be313.1	conc	2.475	ug/l	
13-SEP-90 13:44:45	rep 1	Ca317	conc	10765.5	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLPICP1--1ER 9
13-SEP-90 11:50

13-SEP-90 13:44:54	rep 1	Cu324	conc	68.48	ug/L	
13-SEP-90 13:45:05	rep 1	Ag328	conc	-3.604	ug/L	
13-SEP-90 13:45:16	rep 1	Al396	conc	55060.1	ug/L	
13-SEP-90 13:45:23	rep 1	Ba455	conc	351.89	ug/L	
13-SEP-90 13:45:33	rep 1	Na589	conc	490	ug/L	
13-SEP-90 13:45:49	rep 1	K766	conc	5147	ug/L	
13-SEP-90 13:46:07	rep 2	Sb206	conc	52.89	ug/L	
13-SEP-90 13:46:14	rep 2	Zn213	conc	304.85	ug/L	
13-SEP-90 13:46:23	rep 2	Pb220	conc	-11.13	ug/L	
13-SEP-90 13:46:30	rep 2	Cd226	conc	9.985	ug/L	
13-SEP-90 13:46:35	rep 2	Co238	conc	42.72	ug/L	
13-SEP-90 13:46:43	rep 2	Ni231	conc	71.93	ug/L	
13-SEP-90 13:46:49	rep 2	Mn257	conc	1489.58	ug/L	
13-SEP-90 13:46:54	rep 2	Fe259	conc	111176.0	ug/L	
13-SEP-90 13:47:00	rep 2	Cr267	conc	60.43	ug/L	
13-SEP-90 13:47:06	rep 2	Mg279	conc	20460	ug/L	
13-SEP-90 13:47:12	rep 2	V292	conc	97.89	ug/L	
13-SEP-90 13:47:18	rep 2	Be313.1	conc	2.619	ug/L	
13-SEP-90 13:47:24	rep 2	Ca317	conc	10848.8	ug/L	
13-SEP-90 13:47:33	rep 2	Cu324	conc	74.45	ug/L	
13-SEP-90 13:47:43	rep 2	Ag328	conc	6.682	ug/L	
13-SEP-90 13:47:54	rep 2	Al396	conc	54482.6	ug/L	
13-SEP-90 13:48:01	rep 2	Ba455	conc	348.88	ug/L	
13-SEP-90 13:48:12	rep 2	Na589	conc	411	ug/L	
13-SEP-90 13:48:28	rep 2	K766	conc	4987	ug/L	
13-SEP-90 13:50:15	rep 1	Sb206	conc	-27.78	ug/L	
13-SEP-90 13:50:22	rep 1	Zn213	conc	350.93	ug/L	
13-SEP-90 13:50:32	rep 1	Pb220	conc	21.60	ug/L	
13-SEP-90 13:50:39	rep 1	Cd226	conc	4.353	ug/L	
13-SEP-90 13:50:44	rep 1	Co238	conc	35.56	ug/L	
13-SEP-90 13:50:52	rep 1	Ni231	conc	164.69	ug/L	
13-SEP-90 13:50:58	rep 1	Mn257	conc	1656.81	ug/L	
13-SEP-90 13:51:04	rep 1	Fe259	conc	121378.9	ug/L	
13-SEP-90 13:51:11	rep 1	Cr267	conc	92.98	ug/L	
13-SEP-90 13:51:16	rep 1	Mg279	conc	20086	ug/L	
13-SEP-90 13:51:23	rep 1	V292	conc	141.95	ug/L	
13-SEP-90 13:51:29	rep 1	Be313.1	conc	3.808	ug/L	
13-SEP-90 13:51:35	rep 1	Ca317	conc	12490.0	ug/L	
13-SEP-90 13:51:44	rep 1	Cu324	conc	152.55	ug/L	
13-SEP-90 13:51:55	rep 1	Ag328	conc	-26.906	ug/L	window edge
13-SEP-90 13:52:06	rep 1	Al396	conc	61649.3	ug/L	
13-SEP-90 13:52:14	rep 1	Ba455	conc	410.87	ug/L	
13-SEP-90 13:52:24	rep 1	Na589	conc	448	ug/L	
13-SEP-90 13:52:40	rep 1	K766	conc	6541	ug/L	
13-SEP-90 13:52:59	rep 2	Sb206	conc	-26.42	ug/L	
13-SEP-90 13:53:07	rep 2	Zn213	conc	317.39	ug/L	
13-SEP-90 13:53:16	rep 2	Pb220	conc	-179.16	ug/L	window edge
13-SEP-90 13:53:23	rep 2	Cd226	conc	10.397	ug/L	
13-SEP-90 13:53:28	rep 2	Co238	conc	32.67	ug/L	
13-SEP-90 13:53:36	rep 2	Ni231	conc	10.99	ug/L	
13-SEP-90 13:53:42	rep 2	Mn257	conc	1422.16	ug/L	
13-SEP-90 13:53:47	rep 2	Fe259	conc	106002.9	ug/L	
13-SEP-90 13:53:53	rep 2	Cr267	conc	59.53	ug/L	
13-SEP-90 13:53:59	rep 2	Mg279	conc	17154	ug/L	
13-SEP-90 13:54:05	rep 2	V292	conc	140.12	ug/L	
13-SEP-90 13:54:11	rep 2	Be313.1	conc	2.941	ug/L	
13-SEP-90 13:54:18	rep 2	Ca317	conc	10363.2	ug/L	
13-SEP-90 13:54:27	rep 2	Cu324	conc	57.41	ug/L	
13-SEP-90 13:54:38	rep 2	Ag328	conc	-41.743	ug/L	window edge
13-SEP-90 13:54:48	rep 2	Al396	conc	53295.5	ug/L	
13-SEP-90 13:54:55	rep 2	Ba455	conc	370.50	ug/L	
13-SEP-90 13:55:06	rep 2	Na589	conc	522	ug/L	
13-SEP-90 13:55:22	rep 2	K766	conc	7003	ug/L	
13-SEP-90 13:57:11	rep 1	Sb206	conc	131.34	ug/L	
13-SEP-90 13:57:19	rep 1	Zn213	conc	738.38	ug/L	
13-SEP-90 13:57:28	rep 1	Pb220	conc	500.27	ug/L	
13-SEP-90 13:57:34	rep 1	Cd226	conc	53.577	ug/L	
13-SEP-90 13:57:40	rep 1	Co238	conc	537.06	ug/L	
13-SEP-90 13:57:49	rep 1	Ni231	conc	578.34	ug/L	
13-SEP-90 13:57:54	rep 1	Mn257	conc	1808.01	ug/L	
13-SEP-90 13:58:00	rep 1	Fe259	conc	89085.5	ug/L	
13-SEP-90 13:58:06	rep 1	Cr267	conc	250.85	ug/L	
13-SEP-90 13:58:12	rep 1	Mg279	conc	15897	ug/L	
13-SEP-90 13:58:18	rep 1	V292	conc	558.07	ug/L	
13-SEP-90 13:58:24	rep 1	Be313.1	conc	52.772	ug/L	
13-SEP-90 13:58:31	rep 1	Ca317	conc	8863.8	ug/L	
13-SEP-90 13:58:40	rep 1	Cu324	conc	293.72	ug/L	
13-SEP-90 13:58:51	rep 1	Ag328	conc	39.944	ug/L	
13-SEP-90 13:59:01	rep 1	Al396	conc	38071.9	ug/L	
13-SEP-90 13:59:08	rep 1	Ba455	conc	2340.33	ug/L	
13-SEP-90 13:59:19	rep 1	Na589	conc	206	ug/L	
13-SEP-90 13:59:35	rep 1	K766	conc	2222	ug/L	
13-SEP-90 13:59:53	rep 2	Sb206	conc	166.68	ug/L	
13-SEP-90 14:00:00	rep 2	Zn213	conc	756.16	ug/L	
13-SEP-90 14:00:09	rep 2	Pb220	conc	506.64	ug/L	
13-SEP-90 14:00:16	rep 2	Cd226	conc	56.635	ug/L	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER10

13-SEP-90 11:50

13-SEP-90 14:00:21	rep 2	Co238	conc	540.93 ug/L	
13-SEP-90 14:00:29	rep 2	Ni231	conc	555.23 ug/L	
13-SEP-90 14:00:35	rep 2	Mn257	conc	1808.04 ug/L	
13-SEP-90 14:00:40	rep 2	Fe259	conc	90511.4 ug/L	
13-SEP-90 14:00:46	rep 2	Cr267	conc	250.87 ug/L	
13-SEP-90 14:00:51	rep 2	Mg279	conc	15681 ug/L	
13-SEP-90 14:00:58	rep 2	V292	conc	577.47 ug/L	
13-SEP-90 14:01:04	rep 2	Be313.1	conc	52.371 ug/L	
13-SEP-90 14:01:09	rep 2	Ca317	conc	8798.4 ug/L	
13-SEP-90 14:01:18	rep 2	Cu324	conc	297.54 ug/L	
13-SEP-90 14:01:29	rep 2	Ag328	conc	36.561 ug/L	
13-SEP-90 14:01:40	rep 2	Al396	conc	37624.5 ug/L	
13-SEP-90 14:01:47	rep 2	Ba455	conc	2238.79 ug/L	
13-SEP-90 14:01:57	rep 2	Na589	conc	265 ug/L	
13-SEP-90 14:02:13	rep 2	K766	conc	2312 ug/L	
13-SEP-90 14:04:02	rep 1	Sb206	conc	9.90 ug/L	
13-SEP-90 14:04:09	rep 1	Zn213	conc	351.30 ug/L	
13-SEP-90 14:04:19	rep 1	Pb220	conc	2.21 ug/L	
13-SEP-90 14:04:25	rep 1	Cd226	conc	9.616 ug/L	
13-SEP-90 14:04:30	rep 1	Co238	conc	56.79 ug/L	
13-SEP-90 14:04:38	rep 1	Ni231	conc	82.14 ug/L	
13-SEP-90 14:04:44	rep 1	Mn257	conc	2060.69 ug/L	
13-SEP-90 14:04:49	rep 1	Fe259	conc	133623.3 ug/L	
13-SEP-90 14:04:55	rep 1	Cr267	conc	74.35 ug/L	
13-SEP-90 14:05:01	rep 1	Mg279	conc	23870 ug/L	
13-SEP-90 14:05:07	rep 1	V292	conc	103.25 ug/L	
13-SEP-90 14:05:13	rep 1	Be313.1	conc	3.168 ug/L	
13-SEP-90 14:05:19	rep 1	Ca317	conc	12196.3 ug/L	
13-SEP-90 14:05:28	rep 1	Cu324	conc	69.36 ug/L	
13-SEP-90 14:05:38	rep 1	Ag328	conc	-7.151 ug/L	
13-SEP-90 14:05:49	rep 1	Al396	conc	58677.7 ug/L	
13-SEP-90 14:05:56	rep 1	Ba455	conc	388.91 ug/L	
13-SEP-90 14:06:06	rep 1	Na589	conc	399 ug/L	
13-SEP-90 14:06:22	rep 1	K766	conc	4443 ug/L	
13-SEP-90 14:06:40	rep 2	Sb206	conc	-14.07 ug/L	
13-SEP-90 14:06:48	rep 2	Zn213	conc	353.93 ug/L	
13-SEP-90 14:06:57	rep 2	Pb220	conc	-58.69 ug/L	window edge
13-SEP-90 14:07:04	rep 2	Cd226	conc	7.656 ug/L	
13-SEP-90 14:07:09	rep 2	Co238	conc	56.92 ug/L	
13-SEP-90 14:07:17	rep 2	Ni231	conc	86.98 ug/L	
13-SEP-90 14:07:23	rep 2	Mn257	conc	2065.19 ug/L	
13-SEP-90 14:07:28	rep 2	Fe259	conc	134956.5 ug/L	
13-SEP-90 14:07:34	rep 2	Cr267	conc	65.08 ug/L	
13-SEP-90 14:07:40	rep 2	Mg279	conc	24313 ug/L	
13-SEP-90 14:07:46	rep 2	V292	conc	105.90 ug/L	
13-SEP-90 14:07:52	rep 2	Be313.1	conc	2.788 ug/L	
13-SEP-90 14:07:58	rep 2	Ca317	conc	12054.8 ug/L	
13-SEP-90 14:08:07	rep 2	Cu324	conc	69.47 ug/L	
13-SEP-90 14:08:17	rep 2	Ag328	conc	-14.189 ug/L	window edge
13-SEP-90 14:08:28	rep 2	Al396	conc	59393.2 ug/L	
13-SEP-90 14:08:35	rep 2	Ba455	conc	401.11 ug/L	
13-SEP-90 14:08:45	rep 2	Na589	conc	433 ug/L	
13-SEP-90 14:09:01	rep 2	K766	conc	4420 ug/L	
13-SEP-90 14:10:52	rep 1	Sb206	conc	-5.24 ug/L	
13-SEP-90 14:11:00	rep 1	Zn213	conc	431.83 ug/L	
13-SEP-90 14:11:09	rep 1	Pb220	conc	-7.11 ug/L	
13-SEP-90 14:11:15	rep 1	Cd226	conc	6.375 ug/L	
13-SEP-90 14:11:20	rep 1	Co238	conc	60.79 ug/L	
13-SEP-90 14:11:29	rep 1	Ni231	conc	112.21 ug/L	
13-SEP-90 14:11:35	rep 1	Mn257	conc	3657.44 ug/L	
13-SEP-90 14:11:40	rep 1	Fe259	conc	143682.3 ug/L	
13-SEP-90 14:11:46	rep 1	Cr267	conc	86.56 ug/L	
13-SEP-90 14:11:52	rep 1	Mg279	conc	27245 ug/L	
13-SEP-90 14:11:59	rep 1	V292	conc	127.88 ug/L	
13-SEP-90 14:12:04	rep 1	Be313.1	conc	3.444 ug/L	
13-SEP-90 14:12:11	rep 1	Ca317	conc	15021.4 ug/L	
13-SEP-90 14:12:19	rep 1	Cu324	conc	100.12 ug/L	
13-SEP-90 14:12:30	rep 1	Ag328	conc	-10.028 ug/L	window edge
13-SEP-90 14:12:41	rep 1	Al396	conc	73583.9 ug/L	
13-SEP-90 14:12:48	rep 1	Ba455	conc	455.93 ug/L	
13-SEP-90 14:12:58	rep 1	Na589	conc	620 ug/L	
13-SEP-90 14:13:14	rep 1	K766	conc	6600 ug/L	
13-SEP-90 14:13:32	rep 2	Sb206	conc	6.21 ug/L	
13-SEP-90 14:13:39	rep 2	Zn213	conc	416.49 ug/L	
13-SEP-90 14:13:49	rep 2	Pb220	conc	42.73 ug/L	
13-SEP-90 14:13:55	rep 2	Cd226	conc	12.924 ug/L	
13-SEP-90 14:14:00	rep 2	Co238	conc	51.97 ug/L	
13-SEP-90 14:14:08	rep 2	Ni231	conc	97.37 ug/L	
13-SEP-90 14:14:14	rep 2	Mn257	conc	3612.93 ug/L	
13-SEP-90 14:14:19	rep 2	Fe259	conc	141885.1 ug/L	
13-SEP-90 14:14:25	rep 2	Cr267	conc	88.35 ug/L	
13-SEP-90 14:14:31	rep 2	Mg279	conc	26781 ug/L	
13-SEP-90 14:14:37	rep 2	V292	conc	116.41 ug/L	
13-SEP-90 14:14:43	rep 2	Be313.1	conc	2.794 ug/L	
13-SEP-90 14:14:49	rep 2	Ca317	conc	15146.0 ug/L	
13-SEP-90 14:14:58	rep 2	Cu324	conc	102.67 ug/L	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER11
13-SEP-90 11:50

Time	Sample	Rep	Element	Conc	Unit
13-SEP-90 14:15:08		rep 2	Ag328	-5.363	ug/L
13-SEP-90 14:15:19		rep 2	Al396	74254.0	ug/L
13-SEP-90 14:15:26		rep 2	Ba455	462.56	ug/L
13-SEP-90 14:15:36		rep 2	Na589	655	ug/L
13-SEP-90 14:15:52		rep 2	K766	6259	ug/L
13-SEP-90 14:17:43	120612	rep 1	Sb206	-0.85	ug/L
13-SEP-90 14:17:51		rep 1	Zn213	375.36	ug/L
13-SEP-90 14:18:00		rep 1	Pb220	34.78	ug/L
13-SEP-90 14:18:06		rep 1	Cd226	12.235	ug/L
13-SEP-90 14:18:11		rep 1	Co238	40.14	ug/L
13-SEP-90 14:18:20		rep 1	Ni231	102.46	ug/L
13-SEP-90 14:18:25		rep 1	Mn257	1806.65	ug/L
13-SEP-90 14:18:30		rep 1	Fe259	126227.9	ug/L
13-SEP-90 14:18:36		rep 1	Cr267	83.05	ug/L
13-SEP-90 14:18:42		rep 1	Mg279	26143	ug/L
13-SEP-90 14:18:49		rep 1	V292	126.48	ug/L
13-SEP-90 14:18:55		rep 1	Be313.1	2.813	ug/L
13-SEP-90 14:19:01		rep 1	Ca317	13926.0	ug/L
13-SEP-90 14:19:11		rep 1	Cu324	86.70	ug/L
13-SEP-90 14:19:22		rep 1	Ag328	-2.391	ug/L
13-SEP-90 14:19:32		rep 1	Al396	70867.0	ug/L
13-SEP-90 14:19:40		rep 1	Ba455	507.71	ug/L
13-SEP-90 14:19:50		rep 1	Na589	815	ug/L
13-SEP-90 14:20:06		rep 1	K766	6712	ug/L
13-SEP-90 14:20:25		rep 2	Sb206	9.23	ug/L
13-SEP-90 14:20:32		rep 2	Zn213	376.46	ug/L
13-SEP-90 14:20:41		rep 2	Pb220	16.02	ug/L
13-SEP-90 14:20:47		rep 2	Cd226	8.833	ug/L
13-SEP-90 14:20:53		rep 2	Co238	43.48	ug/L
13-SEP-90 14:21:01		rep 2	Ni231	101.95	ug/L
13-SEP-90 14:21:07		rep 2	Mn257	1773.95	ug/L
13-SEP-90 14:21:12		rep 2	Fe259	126320.4	ug/L
13-SEP-90 14:21:18		rep 2	Cr267	80.32	ug/L
13-SEP-90 14:21:24		rep 2	Mg279	26118	ug/L
13-SEP-90 14:21:31		rep 2	V292	124.39	ug/L
13-SEP-90 14:21:36		rep 2	Be313.1	2.906	ug/L
13-SEP-90 14:21:42		rep 2	Ca317	13628.9	ug/L
13-SEP-90 14:21:51		rep 2	Cu324	93.08	ug/L
13-SEP-90 14:22:02		rep 2	Ag328	-6.322	ug/L
13-SEP-90 14:22:12		rep 2	Al396	69239.9	ug/L
13-SEP-90 14:22:20		rep 2	Ba455	488.02	ug/L
13-SEP-90 14:22:30		rep 2	Na589	743	ug/L
13-SEP-90 14:22:46		rep 2	K766	6827	ug/L
13-SEP-90 14:24:39	CCVA(AB):1	rep 1	Sb206	1962.70	ug/L
13-SEP-90 14:24:46		rep 1	Zn213	512.01	ug/L
13-SEP-90 14:24:56		rep 1	Pb220	1064.59	ug/L
13-SEP-90 14:25:02		rep 1	Cd226	512.447	ug/L
13-SEP-90 14:25:07		rep 1	Co238	517.30	ug/L
13-SEP-90 14:25:15		rep 1	Ni231	533.06	ug/L
13-SEP-90 14:25:21		rep 1	Mn257	520.25	ug/L
13-SEP-90 14:25:26		rep 1	Fe259	563.5	ug/L
13-SEP-90 14:25:32		rep 1	Cr267	511.82	ug/L
13-SEP-90 14:25:38		rep 1	Mg279	208	ug/L
13-SEP-90 14:25:44		rep 1	V292	510.49	ug/L
13-SEP-90 14:25:50		rep 1	Be313.1	522.842	ug/L
13-SEP-90 14:25:56		rep 1	Ca317	1050.6	ug/L
13-SEP-90 14:26:05		rep 1	Cu324	521.02	ug/L
13-SEP-90 14:26:15		rep 1	Ag328	494.501	ug/L
13-SEP-90 14:26:26		rep 1	Al396	934.2	ug/L
13-SEP-90 14:26:33		rep 1	Ba455	513.84	ug/L
13-SEP-90 14:26:43		rep 1	Na589	1021	ug/L
13-SEP-90 14:26:59		rep 1	K766	1199	ug/L
13-SEP-90 14:27:17		rep 2	Sb206	2028.87	ug/L
13-SEP-90 14:27:25		rep 2	Zn213	499.99	ug/L
13-SEP-90 14:27:34		rep 2	Pb220	1049.56	ug/L
13-SEP-90 14:27:40		rep 2	Cd226	522.159	ug/L
13-SEP-90 14:27:45		rep 2	Co238	517.27	ug/L
13-SEP-90 14:27:54		rep 2	Ni231	514.65	ug/L
13-SEP-90 14:27:59		rep 2	Mn257	509.75	ug/L
13-SEP-90 14:28:04		rep 2	Fe259	560.4	ug/L
13-SEP-90 14:28:10		rep 2	Cr267	496.75	ug/L
13-SEP-90 14:28:16		rep 2	Mg279	222	ug/L
13-SEP-90 14:28:22		rep 2	V292	505.26	ug/L
13-SEP-90 14:28:28		rep 2	Be313.1	526.791	ug/L
13-SEP-90 14:28:34		rep 2	Ca317	1076.3	ug/L
13-SEP-90 14:28:43		rep 2	Cu324	516.73	ug/L
13-SEP-90 14:28:54		rep 2	Ag328	487.298	ug/L
13-SEP-90 14:29:04		rep 2	Al396	962.1	ug/L
13-SEP-90 14:29:11		rep 2	Ba455	519.87	ug/L
13-SEP-90 14:29:21		rep 2	Na589	1079	ug/L
13-SEP-90 14:29:37		rep 2	K766	1233	ug/L
13-SEP-90 14:31:20	CCVB(AB):1	rep 1	Fe259	50359.0	ug/L
13-SEP-90 14:31:25		rep 1	Mg279	52360	ug/L
13-SEP-90 14:31:32		rep 1	Ca317	49723.5	ug/L
13-SEP-90 14:31:43		rep 1	Al396	48605.7	ug/L
13-SEP-90 14:31:54		rep 1	Na589	49090	ug/L

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER12
13-SEP-90 11:50

13-SEP-90 14:32:10	rep 1	K766	conc	47743 ug/l	
13-SEP-90 14:32:25	rep 2	Fe259	conc	50288.0 ug/l	
13-SEP-90 14:32:30	rep 2	Mg279	conc	50844 ug/l	
13-SEP-90 14:32:36	rep 2	Ca317	conc	49800.6 ug/l	
13-SEP-90 14:32:47	rep 2	Al396	conc	48732.5 ug/l	
13-SEP-90 14:32:58	rep 2	Na589	conc	49238 ug/l	
13-SEP-90 14:33:14	rep 2	K766	conc	47642 ug/l	
13-SEP-90 14:35:03	rep 1	Sb206	conc	-20.12 ug/l	window edge
13-SEP-90 14:35:10	rep 1	Zn213	conc	1.11 ug/l	
13-SEP-90 14:35:19	rep 1	Pb220	conc	25.30 ug/l	
13-SEP-90 14:35:26	rep 1	Cd226	conc	-0.989 ug/l	
13-SEP-90 14:35:31	rep 1	Co238	conc	8.13 ug/l	
13-SEP-90 14:35:39	rep 1	Ni231	conc	-14.80 ug/l	
13-SEP-90 14:35:45	rep 1	Mn257	conc	-0.83 ug/l	
13-SEP-90 14:35:50	rep 1	Fe259	conc	8.8 ug/l	
13-SEP-90 14:35:56	rep 1	Cr267	conc	-4.56 ug/l	window edge
13-SEP-90 14:36:02	rep 1	Mg279	conc	-924 ug/l	window edge
13-SEP-90 14:36:08	rep 1	V292	conc	12.48 ug/l	window edge
13-SEP-90 14:36:14	rep 1	Be313.1	conc	0.472 ug/l	
13-SEP-90 14:36:20	rep 1	Ca317	conc	-3.9 ug/l	
13-SEP-90 14:36:29	rep 1	Cu324	conc	4.64 ug/l	
13-SEP-90 14:36:40	rep 1	Ag328	conc	-8.048 ug/l	window edge
13-SEP-90 14:36:51	rep 1	Al396	conc	-60.2 ug/l	
13-SEP-90 14:36:58	rep 1	Ba455	conc	4.87 ug/l	
13-SEP-90 14:37:08	rep 1	Na589	conc	-31 ug/l	
13-SEP-90 14:37:24	rep 1	K766	conc	379 ug/l	
13-SEP-90 14:37:42	rep 2	Sb206	conc	22.79 ug/l	
13-SEP-90 14:37:49	rep 2	Zn213	conc	2.38 ug/l	
13-SEP-90 14:37:58	rep 2	Pb220	conc	-9.92 ug/l	
13-SEP-90 14:38:05	rep 2	Cd226	conc	1.512 ug/l	window edge
13-SEP-90 14:38:10	rep 2	Co238	conc	-5.62 ug/l	
13-SEP-90 14:38:18	rep 2	Ni231	conc	1.76 ug/l	
13-SEP-90 14:38:24	rep 2	Mn257	conc	0.32 ug/l	
13-SEP-90 14:38:29	rep 2	Fe259	conc	8.4 ug/l	
13-SEP-90 14:38:35	rep 2	Cr267	conc	2.16 ug/l	
13-SEP-90 14:38:40	rep 2	Mg279	conc	-911 ug/l	
13-SEP-90 14:38:47	rep 2	V292	conc	12.86 ug/l	
13-SEP-90 14:38:53	rep 2	Be313.1	conc	-0.023 ug/l	window edge
13-SEP-90 14:38:59	rep 2	Ca317	conc	-6.4 ug/l	
13-SEP-90 14:39:08	rep 2	Cu324	conc	7.62 ug/l	window edge
13-SEP-90 14:39:19	rep 2	Ag328	conc	-5.951 ug/l	
13-SEP-90 14:39:29	rep 2	Al396	conc	-98.4 ug/l	
13-SEP-90 14:39:36	rep 2	Ba455	conc	3.84 ug/l	
13-SEP-90 14:39:46	rep 2	Na589	conc	-46 ug/l	
13-SEP-90 14:40:03	rep 2	K766	conc	593 ug/l	
13-SEP-90 14:41:56	rep 1	Sb206	conc	22.43 ug/l	
13-SEP-90 14:42:04	rep 1	Zn213	conc	344.01 ug/l	
13-SEP-90 14:42:13	rep 1	Pb220	conc	-2.59 ug/l	
13-SEP-90 14:42:20	rep 1	Cd226	conc	9.695 ug/l	
13-SEP-90 14:42:25	rep 1	Co238	conc	70.18 ug/l	
13-SEP-90 14:42:33	rep 1	Ni231	conc	109.23 ug/l	
13-SEP-90 14:42:38	rep 1	Mn257	conc	1095.41 ug/l	
13-SEP-90 14:42:44	rep 1	Fe259	conc	115060.0 ug/l	
13-SEP-90 14:42:50	rep 1	Cr267	conc	77.70 ug/l	
13-SEP-90 14:42:55	rep 1	Mg279	conc	26060 ug/l	
13-SEP-90 14:43:02	rep 1	V292	conc	101.43 ug/l	
13-SEP-90 14:43:07	rep 1	Be313.1	conc	2.450 ug/l	
13-SEP-90 14:43:13	rep 1	Ca317	conc	18513.9 ug/l	
13-SEP-90 14:43:22	rep 1	Cu324	conc	95.13 ug/l	
13-SEP-90 14:43:33	rep 1	Ag328	conc	-15.234 ug/l	window edge
13-SEP-90 14:43:44	rep 1	Al396	conc	63681.5 ug/l	
13-SEP-90 14:43:51	rep 1	Ba455	conc	427.54 ug/l	
13-SEP-90 14:44:01	rep 1	Na589	conc	538 ug/l	
13-SEP-90 14:44:18	rep 1	K766	conc	7761 ug/l	
13-SEP-90 14:44:37	rep 2	Sb206	conc	56.09 ug/l	
13-SEP-90 14:44:44	rep 2	Zn213	conc	352.54 ug/l	
13-SEP-90 14:44:54	rep 2	Pb220	conc	-48.67 ug/l	window edge
13-SEP-90 14:45:01	rep 2	Cd226	conc	10.154 ug/l	
13-SEP-90 14:45:06	rep 2	Co238	conc	67.14 ug/l	
13-SEP-90 14:45:14	rep 2	Ni231	conc	83.47 ug/l	
13-SEP-90 14:45:20	rep 2	Mn257	conc	1064.24 ug/l	
13-SEP-90 14:45:25	rep 2	Fe259	conc	117271.8 ug/l	
13-SEP-90 14:45:31	rep 2	Cr267	conc	70.65 ug/l	
13-SEP-90 14:45:37	rep 2	Mg279	conc	25381 ug/l	
13-SEP-90 14:45:44	rep 2	V292	conc	106.81 ug/l	
13-SEP-90 14:45:50	rep 2	Be313.1	conc	2.602 ug/l	
13-SEP-90 14:45:56	rep 2	Ca317	conc	18066.3 ug/l	
13-SEP-90 14:46:05	rep 2	Cu324	conc	86.20 ug/l	
13-SEP-90 14:46:17	rep 2	Ag328	conc	-10.640 ug/l	window edge
13-SEP-90 14:46:28	rep 2	Al396	conc	63835.9 ug/l	
13-SEP-90 14:46:35	rep 2	Ba455	conc	433.39 ug/l	
13-SEP-90 14:46:45	rep 2	Na589	conc	573 ug/l	
13-SEP-90 14:47:01	rep 2	K766	conc	7878 ug/l	
13-SEP-90 14:48:54	rep 1	Sb206	conc	-14.82 ug/l	
13-SEP-90 14:49:01	rep 1	Zn213	conc	554.10 ug/l	
13-SEP-90 14:49:10	rep 1	Pb220	conc	74.52 ug/l	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLPICP1--1ER13
13-SEP-90 11:50

13-SEP-90 14:49:17	rep 1	Cd226	conc 6.212 ug/L
13-SEP-90 14:49:22	rep 1	Co238	conc 67.07 ug/L
13-SEP-90 14:49:30	rep 1	Ni231	conc 150.47 ug/L
13-SEP-90 14:49:36	rep 1	Mn257	conc 3848.10 ug/L
13-SEP-90 14:49:41	rep 1	Fe259	conc 209294.2 ug/L
13-SEP-90 14:49:47	rep 1	Cr267	conc 110.12 ug/L
13-SEP-90 14:49:52	rep 1	Mg279	conc 38906 ug/L
13-SEP-90 14:49:59	rep 1	V292	conc 171.06 ug/L
13-SEP-90 14:50:05	rep 1	Be313.1	conc 4.692 ug/L
13-SEP-90 14:50:11	rep 1	Ca317	conc 19033.5 ug/L
13-SEP-90 14:50:19	rep 1	Cu324	conc 129.53 ug/L
13-SEP-90 14:50:30	rep 1	Ag328	conc -16.311 ug/L
13-SEP-90 14:50:41	rep 1	Al396	conc 100296.5 ug/L
13-SEP-90 14:50:48	rep 1	Ba455	conc 596.05 ug/L
13-SEP-90 14:50:58	rep 1	Na589	conc 1947 ug/L
13-SEP-90 14:51:15	rep 1	K766	conc 7555 ug/L
13-SEP-90 14:51:33	rep 2	Sb206	conc 31.12 ug/L
13-SEP-90 14:51:41	rep 2	Zn213	conc 550.75 ug/L
13-SEP-90 14:51:50	rep 2	Pb220	conc 17.06 ug/L
13-SEP-90 14:51:57	rep 2	Cd226	conc 9.190 ug/L
13-SEP-90 14:52:03	rep 2	Co238	conc 70.79 ug/L
13-SEP-90 14:52:11	rep 2	Ni231	conc 138.66 ug/L
13-SEP-90 14:52:17	rep 2	Mn257	conc 3853.67 ug/L
13-SEP-90 14:52:23	rep 2	Fe259	conc 210588.5 ug/L
13-SEP-90 14:52:29	rep 2	Cr267	conc 111.93 ug/L
13-SEP-90 14:52:34	rep 2	Mg279	conc 38896 ug/L
13-SEP-90 14:52:41	rep 2	V292	conc 163.78 ug/L
13-SEP-90 14:52:47	rep 2	Be313.1	conc 5.068 ug/L
13-SEP-90 14:52:53	rep 2	Ca317	conc 19298.3 ug/L
13-SEP-90 14:53:02	rep 2	Cu324	conc 121.29 ug/L
13-SEP-90 14:53:13	rep 2	Ag328	conc -11.720 ug/L
13-SEP-90 14:53:24	rep 2	Al396	conc 99754.5 ug/L
13-SEP-90 14:53:31	rep 2	Ba455	conc 624.51 ug/L
13-SEP-90 14:53:41	rep 2	Na589	conc 1985 ug/L
13-SEP-90 14:53:58	rep 2	K766	conc 7869 ug/L
13-SEP-90 14:55:49	rep 1	Sb206	conc 54.27 ug/L
13-SEP-90 14:55:57	rep 1	Zn213	conc 358.69 ug/L
13-SEP-90 14:56:07	rep 1	Pb220	conc 17.46 ug/L
13-SEP-90 14:56:13	rep 1	Cd226	conc 5.188 ug/L
13-SEP-90 14:56:18	rep 1	Co238	conc 50.56 ug/L
13-SEP-90 14:56:26	rep 1	Ni231	conc 98.78 ug/L
13-SEP-90 14:56:32	rep 1	Mn257	conc 2873.99 ug/L
13-SEP-90 14:56:37	rep 1	Fe259	conc 153943.7 ug/L
13-SEP-90 14:56:44	rep 1	Cr267	conc 75.91 ug/L
13-SEP-90 14:56:49	rep 1	Mg279	conc 27491 ug/L
13-SEP-90 14:56:56	rep 1	V292	conc 114.02 ug/L
13-SEP-90 14:57:02	rep 1	Be313.1	conc 3.981 ug/L
13-SEP-90 14:57:08	rep 1	Ca317	conc 15521.6 ug/L
13-SEP-90 14:57:17	rep 1	Cu324	conc 94.73 ug/L
13-SEP-90 14:57:29	rep 1	Ag328	conc -5.181 ug/L
13-SEP-90 14:57:40	rep 1	Al396	conc 68097.8 ug/L
13-SEP-90 14:57:47	rep 1	Ba455	conc 485.51 ug/L
13-SEP-90 14:57:57	rep 1	Na589	conc 1176 ug/L
13-SEP-90 14:58:13	rep 1	K766	conc 5879 ug/L
13-SEP-90 14:58:31	rep 2	Sb206	conc 17.31 ug/L
13-SEP-90 14:58:38	rep 2	Zn213	conc 350.16 ug/L
13-SEP-90 14:58:48	rep 2	Pb220	conc 9.85 ug/L
13-SEP-90 14:58:54	rep 2	Cd226	conc 7.768 ug/L
13-SEP-90 14:59:00	rep 2	Co238	conc 50.12 ug/L
13-SEP-90 14:59:08	rep 2	Ni231	conc 104.04 ug/L
13-SEP-90 14:59:13	rep 2	Mn257	conc 2847.36 ug/L
13-SEP-90 14:59:19	rep 2	Fe259	conc 151992.9 ug/L
13-SEP-90 14:59:25	rep 2	Cr267	conc 76.70 ug/L
13-SEP-90 14:59:31	rep 2	Mg279	conc 26587 ug/L
13-SEP-90 14:59:37	rep 2	V292	conc 117.61 ug/L
13-SEP-90 14:59:43	rep 2	Be313.1	conc 2.713 ug/L
13-SEP-90 14:59:49	rep 2	Ca317	conc 15995.4 ug/L
13-SEP-90 14:59:59	rep 2	Cu324	conc 91.15 ug/L
13-SEP-90 15:00:09	rep 2	Ag328	conc -27.960 ug/L
13-SEP-90 15:00:20	rep 2	Al396	conc 67504.6 ug/L
13-SEP-90 15:00:27	rep 2	Ba455	conc 483.90 ug/L
13-SEP-90 15:00:37	rep 2	Na589	conc 1166 ug/L
13-SEP-90 15:00:53	rep 2	K766	conc 6197 ug/L
13-SEP-90 15:02:44	rep 1	Sb206	conc 8.18 ug/L
13-SEP-90 15:02:52	rep 1	Zn213	conc 591.29 ug/L
13-SEP-90 15:03:01	rep 1	Pb220	conc 8.29 ug/L
13-SEP-90 15:03:07	rep 1	Cd226	conc 13.433 ug/L
13-SEP-90 15:03:13	rep 1	Co238	conc 64.21 ug/L
13-SEP-90 15:03:21	rep 1	Ni231	conc 128.94 ug/L
13-SEP-90 15:03:27	rep 1	Mn257	conc 2965.55 ug/L
13-SEP-90 15:03:32	rep 1	Fe259	conc 178256.4 ug/L
13-SEP-90 15:03:39	rep 1	Cr267	conc 92.94 ug/L
13-SEP-90 15:03:45	rep 1	Mg279	conc 32641 ug/L
13-SEP-90 15:03:51	rep 1	V292	conc 149.86 ug/L
13-SEP-90 15:03:57	rep 1	Be313.1	conc 3.767 ug/L
13-SEP-90 15:04:04	rep 1	Ca317	conc 17341.6 ug/L

120615

window edge

120616

window edge

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER₁₄
13-SEP-90 11:50

13-SEP-90 15:04:13	rep 1	Cu324	conc	81.20	ug/l	
13-SEP-90 15:04:24	rep 1	Ag328	conc	-10.346	ug/l	
13-SEP-90 15:04:34	rep 1	Al396	conc	86733.4	ug/l	
13-SEP-90 15:04:41	rep 1	Ba455	conc	604.24	ug/l	
13-SEP-90 15:04:51	rep 1	Na589	conc	905	ug/l	
13-SEP-90 15:05:07	rep 1	K766	conc	8705	ug/l	
13-SEP-90 15:05:26	rep 2	Sb206	conc	-78.97	ug/l	window edge
13-SEP-90 15:05:33	rep 2	Zn213	conc	551.10	ug/l	
13-SEP-90 15:05:42	rep 2	Pb220	conc	-1.35	ug/l	
13-SEP-90 15:05:48	rep 2	Cd226	conc	7.329	ug/l	
13-SEP-90 15:05:53	rep 2	Co238	conc	50.43	ug/l	
13-SEP-90 15:06:02	rep 2	Ni231	conc	126.00	ug/l	
13-SEP-90 15:06:08	rep 2	Mn257	conc	2897.95	ug/l	
13-SEP-90 15:06:13	rep 2	Fe259	conc	174748.4	ug/l	
13-SEP-90 15:06:19	rep 2	Cr267	conc	89.62	ug/l	
13-SEP-90 15:06:25	rep 2	Mg279	conc	33893	ug/l	
13-SEP-90 15:06:31	rep 2	V292	conc	143.22	ug/l	
13-SEP-90 15:06:38	rep 2	Be313.1	conc	3.859	ug/l	
13-SEP-90 15:06:44	rep 2	Ca317	conc	17427.3	ug/l	
13-SEP-90 15:06:53	rep 2	Cu324	conc	81.37	ug/l	
13-SEP-90 15:07:04	rep 2	Ag328	conc	-12.904	ug/l	
13-SEP-90 15:07:14	rep 2	Al396	conc	86103.9	ug/l	
13-SEP-90 15:07:21	rep 2	Ba455	conc	608.03	ug/l	
13-SEP-90 15:07:31	rep 2	Na589	conc	874	ug/l	
13-SEP-90 15:07:47	rep 2	K766	conc	8754	ug/l	
13-SEP-90 15:09:37	rep 1	Sb206	conc	-2.40	ug/l	
13-SEP-90 15:09:45	rep 1	Zn213	conc	472.99	ug/l	
13-SEP-90 15:09:54	rep 1	Pb220	conc	11.53	ug/l	
13-SEP-90 15:10:01	rep 1	Cd226	conc	8.153	ug/l	
13-SEP-90 15:10:06	rep 1	Co238	conc	62.06	ug/l	
13-SEP-90 15:10:14	rep 1	Ni231	conc	135.27	ug/l	
13-SEP-90 15:10:20	rep 1	Mn257	conc	3305.58	ug/l	
13-SEP-90 15:10:25	rep 1	Fe259	conc	166557.8	ug/l	
13-SEP-90 15:10:31	rep 1	Cr267	conc	108.45	ug/l	
13-SEP-90 15:10:37	rep 1	Mg279	conc	32351	ug/l	
13-SEP-90 15:10:43	rep 1	V292	conc	160.79	ug/l	
13-SEP-90 15:10:49	rep 1	Be313.1	conc	3.843	ug/l	
13-SEP-90 15:10:55	rep 1	Ca317	conc	17031.0	ug/l	
13-SEP-90 15:11:04	rep 1	Cu324	conc	116.54	ug/l	
13-SEP-90 15:11:15	rep 1	Ag328	conc	-18.532	ug/l	window edge
13-SEP-90 15:11:25	rep 1	Al396	conc	94817.9	ug/l	
13-SEP-90 15:11:32	rep 1	Ba455	conc	513.40	ug/l	
13-SEP-90 15:11:42	rep 1	Na589	conc	885	ug/l	
13-SEP-90 15:11:58	rep 1	K766	conc	12087	ug/l	
13-SEP-90 15:12:16	rep 2	Sb206	conc	23.33	ug/l	
13-SEP-90 15:12:24	rep 2	Zn213	conc	474.57	ug/l	
13-SEP-90 15:12:33	rep 2	Pb220	conc	-39.49	ug/l	window edge
13-SEP-90 15:12:39	rep 2	Cd226	conc	10.685	ug/l	
13-SEP-90 15:12:44	rep 2	Co238	conc	65.41	ug/l	
13-SEP-90 15:12:53	rep 2	Ni231	conc	130.54	ug/l	
13-SEP-90 15:12:58	rep 2	Mn257	conc	3229.58	ug/l	
13-SEP-90 15:13:04	rep 2	Fe259	conc	168323.7	ug/l	
13-SEP-90 15:13:10	rep 2	Cr267	conc	104.04	ug/l	
13-SEP-90 15:13:15	rep 2	Mg279	conc	32936	ug/l	
13-SEP-90 15:13:21	rep 2	V292	conc	158.48	ug/l	
13-SEP-90 15:13:27	rep 2	Be313.1	conc	3.963	ug/l	
13-SEP-90 15:13:33	rep 2	Ca317	conc	16708.7	ug/l	
13-SEP-90 15:13:42	rep 2	Cu324	conc	123.60	ug/l	
13-SEP-90 15:13:53	rep 2	Ag328	conc	-19.830	ug/l	window edge
13-SEP-90 15:14:03	rep 2	Al396	conc	94393.5	ug/l	
13-SEP-90 15:14:10	rep 2	Ba455	conc	500.08	ug/l	
13-SEP-90 15:14:20	rep 2	Na589	conc	826	ug/l	
13-SEP-90 15:14:36	rep 2	K766	conc	11862	ug/l	
13-SEP-90 15:16:25	rep 1	Sb206	conc	-12.64	ug/l	window edge
13-SEP-90 15:16:32	rep 1	Zn213	conc	489.56	ug/l	
13-SEP-90 15:16:41	rep 1	Pb220	conc	-9.37	ug/l	
13-SEP-90 15:16:48	rep 1	Cd226	conc	11.836	ug/l	
13-SEP-90 15:16:53	rep 1	Co238	conc	88.28	ug/l	
13-SEP-90 15:17:01	rep 1	Ni231	conc	133.34	ug/l	
13-SEP-90 15:17:07	rep 1	Mn257	conc	4090.83	ug/l	
13-SEP-90 15:17:13	rep 1	Fe259	conc	219700.4	ug/l	
13-SEP-90 15:17:19	rep 1	Cr267	conc	110.75	ug/l	
13-SEP-90 15:17:24	rep 1	Mg279	conc	37013	ug/l	
13-SEP-90 15:17:31	rep 1	V292	conc	158.72	ug/l	
13-SEP-90 15:17:37	rep 1	Be313.1	conc	4.104	ug/l	
13-SEP-90 15:17:43	rep 1	Ca317	conc	17377.7	ug/l	
13-SEP-90 15:17:52	rep 1	Cu324	conc	97.34	ug/l	
13-SEP-90 15:18:03	rep 1	Ag328	conc	-17.526	ug/l	
13-SEP-90 15:18:13	rep 1	Al396	conc	98445.2	ug/l	
13-SEP-90 15:18:20	rep 1	Ba455	conc	524.33	ug/l	
13-SEP-90 15:18:30	rep 1	Na589	conc	928	ug/l	
13-SEP-90 15:18:47	rep 1	K766	conc	9560	ug/l	
13-SEP-90 15:19:05	rep 2	Sb206	conc	10.97	ug/l	
13-SEP-90 15:19:13	rep 2	Zn213	conc	487.87	ug/l	
13-SEP-90 15:19:22	rep 2	Pb220	conc	32.56	ug/l	
13-SEP-90 15:19:28	rep 2	Cd226	conc	11.232	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLPICP1--1ER15
13-SEP-90 11:50

13-SEP-90 15:19:33	rep 2	Co238	conc	95.38	ug/L
13-SEP-90 15:19:42	rep 2	Ni231	conc	142.53	ug/L
13-SEP-90 15:19:47	rep 2	Mn257	conc	3931.84	ug/L
13-SEP-90 15:19:52	rep 2	Fe259	conc	217630.1	ug/L
13-SEP-90 15:19:59	rep 2	Cr267	conc	105.79	ug/L
13-SEP-90 15:20:04	rep 2	Mg279	conc	36678	ug/L
13-SEP-90 15:20:10	rep 2	V292	conc	162.91	ug/L
13-SEP-90 15:20:16	rep 2	Be313.1	conc	3.932	ug/L
13-SEP-90 15:20:22	rep 2	Ca317	conc	17203.7	ug/L
13-SEP-90 15:20:31	rep 2	Cu324	conc	105.84	ug/L
13-SEP-90 15:20:42	rep 2	Ag328	conc	-11.990	ug/L
13-SEP-90 15:20:52	rep 2	Al396	conc	99240.8	ug/L
13-SEP-90 15:20:59	rep 2	Ba455	conc	509.92	ug/L
13-SEP-90 15:21:09	rep 2	Na589	conc	977	ug/L
13-SEP-90 15:21:25	rep 2	K766	conc	9470	ug/L
13-SEP-90 15:23:12	rep 1	Sb206	conc	29.18	ug/L
13-SEP-90 15:23:20	rep 1	Zn213	conc	306.18	ug/L
13-SEP-90 15:23:29	rep 1	Pb220	conc	63.97	ug/L
13-SEP-90 15:23:35	rep 1	Cd226	conc	8.036	ug/L
13-SEP-90 15:23:40	rep 1	Co238	conc	22.47	ug/L
13-SEP-90 15:23:48	rep 1	Ni231	conc	82.21	ug/L
13-SEP-90 15:23:54	rep 1	Mn257	conc	849.69	ug/L
13-SEP-90 15:23:59	rep 1	Fe259	conc	108908.2	ug/L
13-SEP-90 15:24:05	rep 1	Cr267	conc	80.33	ug/L
13-SEP-90 15:24:11	rep 1	Mg279	conc	22758	ug/L
13-SEP-90 15:24:17	rep 1	V292	conc	113.42	ug/L
13-SEP-90 15:24:23	rep 1	Be313.1	conc	2.384	ug/L
13-SEP-90 15:24:29	rep 1	Ca317	conc	8625.3	ug/L
13-SEP-90 15:24:38	rep 1	Cu324	conc	71.18	ug/L
13-SEP-90 15:24:49	rep 1	Ag328	conc	8.392	ug/L
13-SEP-90 15:25:00	rep 1	Al396	conc	65418.0	ug/L
13-SEP-90 15:25:07	rep 1	Ba455	conc	450.90	ug/L
13-SEP-90 15:25:17	rep 1	Na589	conc	621	ug/L
13-SEP-90 15:25:33	rep 1	K766	conc	8949	ug/L
13-SEP-90 15:25:52	rep 2	Sb206	conc	-58.63	ug/L
13-SEP-90 15:25:59	rep 2	Zn213	conc	306.53	ug/L
13-SEP-90 15:26:08	rep 2	Pb220	conc	25.14	ug/L
13-SEP-90 15:26:15	rep 2	Cd226	conc	6.150	ug/L
13-SEP-90 15:26:20	rep 2	Co238	conc	28.52	ug/L
13-SEP-90 15:26:28	rep 2	Ni231	conc	74.08	ug/L
13-SEP-90 15:26:34	rep 2	Mn257	conc	864.10	ug/L
13-SEP-90 15:26:39	rep 2	Fe259	conc	108686.9	ug/L
13-SEP-90 15:26:45	rep 2	Cr267	conc	76.54	ug/L
13-SEP-90 15:26:51	rep 2	Mg279	conc	21835	ug/L
13-SEP-90 15:26:57	rep 2	V292	conc	119.14	ug/L
13-SEP-90 15:27:03	rep 2	Be313.1	conc	2.468	ug/L
13-SEP-90 15:27:09	rep 2	Ca317	conc	8651.9	ug/L
13-SEP-90 15:27:18	rep 2	Cu324	conc	62.94	ug/L
13-SEP-90 15:27:28	rep 2	Ag328	conc	-5.872	ug/L
13-SEP-90 15:27:39	rep 2	Al396	conc	65266.8	ug/L
13-SEP-90 15:27:46	rep 2	Ba455	conc	454.49	ug/L
13-SEP-90 15:27:56	rep 2	Na589	conc	626	ug/L
13-SEP-90 15:28:12	rep 2	K766	conc	8866	ug/L
13-SEP-90 15:29:59	rep 1	Sb206	conc	56.83	ug/L
13-SEP-90 15:30:07	rep 1	Zn213	conc	315.47	ug/L
13-SEP-90 15:30:16	rep 1	Pb220	conc	-37.56	ug/L
13-SEP-90 15:30:23	rep 1	Cd226	conc	2.365	ug/L
13-SEP-90 15:30:28	rep 1	Co238	conc	54.08	ug/L
13-SEP-90 15:30:37	rep 1	Ni231	conc	85.99	ug/L
13-SEP-90 15:30:42	rep 1	Mn257	conc	1517.73	ug/L
13-SEP-90 15:30:47	rep 1	Fe259	conc	125003.5	ug/L
13-SEP-90 15:30:54	rep 1	Cr267	conc	71.50	ug/L
13-SEP-90 15:30:59	rep 1	Mg279	conc	23894	ug/L
13-SEP-90 15:31:06	rep 1	V292	conc	116.74	ug/L
13-SEP-90 15:31:12	rep 1	Be313.1	conc	2.464	ug/L
13-SEP-90 15:31:18	rep 1	Ca317	conc	10030.3	ug/L
13-SEP-90 15:31:26	rep 1	Cu324	conc	64.61	ug/L
13-SEP-90 15:31:37	rep 1	Ag328	conc	-13.533	ug/L
13-SEP-90 15:31:48	rep 1	Al396	conc	66423.9	ug/L
13-SEP-90 15:31:55	rep 1	Ba455	conc	507.23	ug/L
13-SEP-90 15:32:06	rep 1	Na589	conc	833	ug/L
13-SEP-90 15:32:23	rep 1	K766	conc	9567	ug/L
13-SEP-90 15:32:41	rep 2	Sb206	conc	45.86	ug/L
13-SEP-90 15:32:48	rep 2	Zn213	conc	320.83	ug/L
13-SEP-90 15:32:58	rep 2	Pb220	conc	-34.98	ug/L
13-SEP-90 15:33:04	rep 2	Cd226	conc	6.436	ug/L
13-SEP-90 15:33:10	rep 2	Co238	conc	39.70	ug/L
13-SEP-90 15:33:18	rep 2	Ni231	conc	77.25	ug/L
13-SEP-90 15:33:24	rep 2	Mn257	conc	1547.90	ug/L
13-SEP-90 15:33:30	rep 2	Fe259	conc	127536.8	ug/L
13-SEP-90 15:33:37	rep 2	Cr267	conc	71.54	ug/L
13-SEP-90 15:33:42	rep 2	Mg279	conc	24189	ug/L
13-SEP-90 15:33:49	rep 2	V292	conc	108.15	ug/L
13-SEP-90 15:33:55	rep 2	Be313.1	conc	3.024	ug/L
13-SEP-90 15:34:02	rep 2	Ca317	conc	9959.2	ug/L
13-SEP-90 15:34:11	rep 2	Cu324	conc	67.64	ug/L

120619

120620

window edge

window edge

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCHN.13SEP901150
Method: EPAINCLP

ICP1--1ER₁₆
13-SEP-90 11:50

13-SEP-90 15:34:23	rep 2	Ag328	conc	-27.766	ug/l	
13-SEP-90 15:34:33	rep 2	Al396	conc	66558.3	ug/l	window edge
13-SEP-90 15:34:40	rep 2	Ba455	conc	490.41	ug/l	
13-SEP-90 15:34:50	rep 2	Na589	conc	761	ug/l	
13-SEP-90 15:35:06	rep 2	K766	conc	9858	ug/l	
13-SEP-90 15:36:51	rep 1	Sb206	conc	-11.38	ug/l	
13-SEP-90 15:36:59	rep 1	Zn213	conc	270.35	ug/l	
13-SEP-90 15:37:08	rep 1	Pb220	conc	76.66	ug/l	
13-SEP-90 15:37:15	rep 1	Cd226	conc	2.422	ug/l	
13-SEP-90 15:37:20	rep 1	Co238	conc	26.67	ug/l	
13-SEP-90 15:37:28	rep 1	Ni231	conc	63.84	ug/l	
13-SEP-90 15:37:35	rep 1	Mn257	conc	1123.25	ug/l	
13-SEP-90 15:37:40	rep 1	Fe259	conc	99934.9	ug/l	
13-SEP-90 15:37:47	rep 1	Cr267	conc	55.20	ug/l	
13-SEP-90 15:37:53	rep 1	Hg279	conc	18982	ug/l	
13-SEP-90 15:38:00	rep 1	V292	conc	99.33	ug/l	
13-SEP-90 15:38:06	rep 1	Be313.1	conc	2.333	ug/l	
13-SEP-90 15:38:12	rep 1	Ca317	conc	10237.1	ug/l	
13-SEP-90 15:38:21	rep 1	Cu324	conc	67.38	ug/l	
13-SEP-90 15:38:32	rep 1	Ag328	conc	-10.250	ug/l	window edge
13-SEP-90 15:38:42	rep 1	Al396	conc	52208.3	ug/l	
13-SEP-90 15:38:49	rep 1	Ba455	conc	287.63	ug/l	
13-SEP-90 15:38:59	rep 1	Na589	conc	609	ug/l	
13-SEP-90 15:39:15	rep 1	K766	conc	5998	ug/l	
13-SEP-90 15:39:33	rep 2	Sb206	conc	4.43	ug/l	
13-SEP-90 15:39:41	rep 2	Zn213	conc	272.53	ug/l	
13-SEP-90 15:39:50	rep 2	Pb220	conc	63.28	ug/l	
13-SEP-90 15:39:56	rep 2	Cd226	conc	1.193	ug/l	
13-SEP-90 15:40:01	rep 2	Co238	conc	37.10	ug/l	
13-SEP-90 15:40:10	rep 2	Ni231	conc	74.24	ug/l	
13-SEP-90 15:40:16	rep 2	Mn257	conc	1153.40	ug/l	
13-SEP-90 15:40:21	rep 2	Fe259	conc	98115.7	ug/l	
13-SEP-90 15:40:28	rep 2	Cr267	conc	48.34	ug/l	
13-SEP-90 15:40:34	rep 2	Hg279	conc	19255	ug/l	
13-SEP-90 15:40:41	rep 2	V292	conc	84.69	ug/l	
13-SEP-90 15:40:47	rep 2	Be313.1	conc	2.539	ug/l	
13-SEP-90 15:40:53	rep 2	Ca317	conc	10067.0	ug/l	
13-SEP-90 15:41:02	rep 2	Cu324	conc	59.63	ug/l	
13-SEP-90 15:41:13	rep 2	Ag328	conc	-11.181	ug/l	
13-SEP-90 15:41:23	rep 2	Al396	conc	51756.9	ug/l	
13-SEP-90 15:41:31	rep 2	Ba455	conc	280.75	ug/l	
13-SEP-90 15:41:41	rep 2	Na589	conc	650	ug/l	
13-SEP-90 15:41:58	rep 2	K766	conc	6027	ug/l	
13-SEP-90 15:43:42	rep 1	Sb206	conc	-9.87	ug/l	
13-SEP-90 15:43:50	rep 1	Zn213	conc	261.57	ug/l	
13-SEP-90 15:43:59	rep 1	Pb220	conc	71.93	ug/l	
13-SEP-90 15:44:06	rep 1	Cd226	conc	1.986	ug/l	
13-SEP-90 15:44:12	rep 1	Co238	conc	33.50	ug/l	
13-SEP-90 15:44:20	rep 1	Ni231	conc	69.22	ug/l	
13-SEP-90 15:44:26	rep 1	Mn257	conc	1062.52	ug/l	
13-SEP-90 15:44:31	rep 1	Fe259	conc	94860.1	ug/l	
13-SEP-90 15:44:37	rep 1	Cr267	conc	47.26	ug/l	
13-SEP-90 15:44:43	rep 1	Hg279	conc	18424	ug/l	
13-SEP-90 15:44:49	rep 1	V292	conc	74.38	ug/l	
13-SEP-90 15:44:55	rep 1	Be313.1	conc	1.573	ug/l	
13-SEP-90 15:45:01	rep 1	Ca317	conc	10555.9	ug/l	
13-SEP-90 15:45:10	rep 1	Cu324	conc	55.86	ug/l	
13-SEP-90 15:45:21	rep 1	Ag328	conc	-32.305	ug/l	window edge
13-SEP-90 15:45:31	rep 1	Al396	conc	42988.2	ug/l	
13-SEP-90 15:45:38	rep 1	Ba455	conc	234.27	ug/l	
13-SEP-90 15:45:48	rep 1	Na589	conc	580	ug/l	
13-SEP-90 15:46:05	rep 1	K766	conc	3081	ug/l	
13-SEP-90 15:46:23	rep 2	Sb206	conc	43.91	ug/l	
13-SEP-90 15:46:30	rep 2	Zn213	conc	266.88	ug/l	
13-SEP-90 15:46:39	rep 2	Pb220	conc	-24.08	ug/l	window edge
13-SEP-90 15:46:46	rep 2	Cd226	conc	3.032	ug/l	
13-SEP-90 15:46:51	rep 2	Co238	conc	32.40	ug/l	
13-SEP-90 15:46:59	rep 2	Ni231	conc	58.72	ug/l	
13-SEP-90 15:47:05	rep 2	Mn257	conc	1076.75	ug/l	
13-SEP-90 15:47:11	rep 2	Fe259	conc	95498.2	ug/l	
13-SEP-90 15:47:17	rep 2	Cr267	conc	47.00	ug/l	
13-SEP-90 15:47:23	rep 2	Hg279	conc	18636	ug/l	
13-SEP-90 15:47:30	rep 2	V292	conc	84.01	ug/l	
13-SEP-90 15:47:36	rep 2	Be313.1	conc	1.901	ug/l	
13-SEP-90 15:47:42	rep 2	Ca317	conc	10485.1	ug/l	
13-SEP-90 15:47:51	rep 2	Cu324	conc	47.10	ug/l	
13-SEP-90 15:48:02	rep 2	Ag328	conc	-12.175	ug/l	window edge
13-SEP-90 15:48:13	rep 2	Al396	conc	43335.8	ug/l	
13-SEP-90 15:48:20	rep 2	Ba455	conc	232.71	ug/l	
13-SEP-90 15:48:30	rep 2	Na589	conc	610	ug/l	
13-SEP-90 15:48:46	rep 2	K766	conc	3189	ug/l	
13-SEP-90 15:50:30	rep 1	Sb206	conc	2048.94	ug/l	
13-SEP-90 15:50:37	rep 1	Zn213	conc	497.82	ug/l	
13-SEP-90 15:50:47	rep 1	Pb220	conc	1056.69	ug/l	
13-SEP-90 15:50:53	rep 1	Cd226	conc	520.741	ug/l	
13-SEP-90 15:50:58	rep 1	Co238	conc	517.48	ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER17
13-SEP-90 11:50

13-SEP-90 15:51:06	rep 1	Ni231	conc	574.81	ug/l	
13-SEP-90 15:51:12	rep 1	Mn257	conc	515.22	ug/l	
13-SEP-90 15:51:17	rep 1	Fe259	conc	594.3	ug/l	
13-SEP-90 15:51:23	rep 1	Cr267	conc	545.32	ug/l	
13-SEP-90 15:51:29	rep 1	Mg279	conc	198	ug/l	
13-SEP-90 15:51:35	rep 1	V292	conc	520.85	ug/l	
13-SEP-90 15:51:41	rep 1	Be313.1	conc	531.475	ug/l	
13-SEP-90 15:51:47	rep 1	Ca317	conc	1104.9	ug/l	
13-SEP-90 15:51:56	rep 1	Cu324	conc	497.66	ug/l	
13-SEP-90 15:52:07	rep 1	Ag328	conc	492.512	ug/l	
13-SEP-90 15:52:18	rep 1	Al396	conc	957.4	ug/l	
13-SEP-90 15:52:25	rep 1	Ba455	conc	504.04	ug/l	
13-SEP-90 15:52:35	rep 1	Na589	conc	989	ug/l	
13-SEP-90 15:52:51	rep 1	K766	conc	1090	ug/l	
13-SEP-90 15:53:10	rep 2	Sb206	conc	2004.87	ug/l	
13-SEP-90 15:53:18	rep 2	Zn213	conc	491.09	ug/l	
13-SEP-90 15:53:27	rep 2	Pb220	conc	1070.83	ug/l	
13-SEP-90 15:53:34	rep 2	Cd226	conc	502.823	ug/l	
13-SEP-90 15:53:40	rep 2	Co238	conc	533.07	ug/l	
13-SEP-90 15:53:48	rep 2	Ni231	conc	561.98	ug/l	
13-SEP-90 15:53:54	rep 2	Mn257	conc	514.19	ug/l	
13-SEP-90 15:54:00	rep 2	Fe259	conc	606.2	ug/l	
13-SEP-90 15:54:07	rep 2	Cr267	conc	560.11	ug/l	
13-SEP-90 15:54:12	rep 2	Mg279	conc	142	ug/l	
13-SEP-90 15:54:19	rep 2	V292	conc	510.43	ug/l	
13-SEP-90 15:54:25	rep 2	Be313.1	conc	533.369	ug/l	
13-SEP-90 15:54:32	rep 2	Ca317	conc	1134.0	ug/l	
13-SEP-90 15:54:41	rep 2	Cu324	conc	502.43	ug/l	
13-SEP-90 15:54:52	rep 2	Ag328	conc	514.069	ug/l	
13-SEP-90 15:55:03	rep 2	Al396	conc	959.6	ug/l	
13-SEP-90 15:55:10	rep 2	Ba455	conc	496.28	ug/l	
13-SEP-90 15:55:20	rep 2	Na589	conc	1059	ug/l	
13-SEP-90 15:55:36	rep 2	K766	conc	1266	ug/l	
13-SEP-90 15:57:13	rep 1	Fe259	conc	49254.4	ug/l	
13-SEP-90 15:57:19	rep 1	Mg279	conc	51201	ug/l	
13-SEP-90 15:57:25	rep 1	Ca317	conc	49049.8	ug/l	
13-SEP-90 15:57:37	rep 1	Al396	conc	47573.4	ug/l	
13-SEP-90 15:57:48	rep 1	Na589	conc	49731	ug/l	
13-SEP-90 15:58:04	rep 1	K766	conc	46281	ug/l	
13-SEP-90 15:58:19	rep 2	Fe259	conc	48647.4	ug/l	
13-SEP-90 15:58:24	rep 2	Mg279	conc	52428	ug/l	
13-SEP-90 15:58:30	rep 2	Ca317	conc	48797.4	ug/l	
13-SEP-90 15:58:41	rep 2	Al396	conc	48115.8	ug/l	
13-SEP-90 15:58:52	rep 2	Na589	conc	48537	ug/l	
13-SEP-90 15:59:08	rep 2	K766	conc	46471	ug/l	
13-SEP-90 16:00:50	rep 1	Sb206	conc	61.43	ug/l	
13-SEP-90 16:00:57	rep 1	Zn213	conc	1.00	ug/l	
13-SEP-90 16:01:07	rep 1	Pb220	conc	24.39	ug/l	no peak
13-SEP-90 16:01:13	rep 1	Cd226	conc	2.701	ug/l	
13-SEP-90 16:01:19	rep 1	Co238	conc	-11.07	ug/l	window edge
13-SEP-90 16:01:27	rep 1	Ni231	conc	1.05	ug/l	
13-SEP-90 16:01:33	rep 1	Mn257	conc	-0.48	ug/l	
13-SEP-90 16:01:39	rep 1	Fe259	conc	9.2	ug/l	
13-SEP-90 16:01:45	rep 1	Cr267	conc	2.30	ug/l	
13-SEP-90 16:01:50	rep 1	Mg279	conc	-921	ug/l	
13-SEP-90 16:01:57	rep 1	V292	conc	11.41	ug/l	
13-SEP-90 16:02:03	rep 1	Be313.1	conc	0.045	ug/l	
13-SEP-90 16:02:09	rep 1	Ca317	conc	-10.5	ug/l	
13-SEP-90 16:02:17	rep 1	Cu324	conc	-21.05	ug/l	window edge
13-SEP-90 16:02:28	rep 1	Ag328	conc	-2.626	ug/l	
13-SEP-90 16:02:39	rep 1	Al396	conc	-95.0	ug/l	
13-SEP-90 16:02:46	rep 1	Ba455	conc	5.06	ug/l	
13-SEP-90 16:02:56	rep 1	Na589	conc	34	ug/l	
13-SEP-90 16:03:12	rep 1	K766	conc	525	ug/l	
13-SEP-90 16:03:30	rep 2	Sb206	conc	40.74	ug/l	
13-SEP-90 16:03:37	rep 2	Zn213	conc	1.37	ug/l	
13-SEP-90 16:03:47	rep 2	Pb220	conc	9.94	ug/l	
13-SEP-90 16:03:53	rep 2	Cd226	conc	1.180	ug/l	
13-SEP-90 16:03:58	rep 2	Co238	conc	-1.95	ug/l	
13-SEP-90 16:04:06	rep 2	Ni231	conc	-13.14	ug/l	
13-SEP-90 16:04:12	rep 2	Mn257	conc	-0.38	ug/l	
13-SEP-90 16:04:17	rep 2	Fe259	conc	-0.6	ug/l	window edge
13-SEP-90 16:04:23	rep 2	Cr267	conc	7.70	ug/l	
13-SEP-90 16:04:29	rep 2	Mg279	conc	-923	ug/l	
13-SEP-90 16:04:35	rep 2	V292	conc	8.97	ug/l	
13-SEP-90 16:04:41	rep 2	Be313.1	conc	0.301	ug/l	
13-SEP-90 16:04:47	rep 2	Ca317	conc	-6.4	ug/l	
13-SEP-90 16:04:56	rep 2	Cu324	conc	0.06	ug/l	window edge
13-SEP-90 16:05:06	rep 2	Ag328	conc	-9.044	ug/l	window edge
13-SEP-90 16:05:17	rep 2	Al396	conc	-87.4	ug/l	window edge
13-SEP-90 16:05:24	rep 2	Ba455	conc	2.92	ug/l	window edge
13-SEP-90 16:05:34	rep 2	Na589	conc	-11	ug/l	
13-SEP-90 16:05:50	rep 2	K766	conc	409	ug/l	
13-SEP-90 16:07:31	rep 1	Sb206	conc	4.94	ug/l	
13-SEP-90 16:07:38	rep 1	Zn213	conc	357.53	ug/l	
13-SEP-90 16:07:47	rep 1	Pb220	conc	-41.72	ug/l	window edge

CCVB(AB):2

CCB:2

120623

000141

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPA\INCLP]ICP1_WATCH.13SEP901150
Method: EPA\INCLP

ICP1--1ER18
13-SEP-90 11:50

13-SEP-90 16:07:53	rep 1	Cd226	conc	4.139 ug/l	
13-SEP-90 16:07:59	rep 1	Co238	conc	55.00 ug/l	
13-SEP-90 16:08:07	rep 1	Ni231	conc	92.97 ug/l	
13-SEP-90 16:08:12	rep 1	Mn257	conc	1734.73 ug/l	
13-SEP-90 16:08:18	rep 1	Fe259	conc	132616.4 ug/l	
13-SEP-90 16:08:24	rep 1	Cr267	conc	69.69 ug/l	
13-SEP-90 16:08:30	rep 1	Mg279	conc	33670 ug/l	
13-SEP-90 16:08:36	rep 1	V292	conc	100.50 ug/l	
13-SEP-90 16:08:42	rep 1	Be313.1	conc	2.632 ug/l	window edge
13-SEP-90 16:08:48	rep 1	Ca317	conc	24181.7 ug/l	
13-SEP-90 16:08:57	rep 1	Cu324	conc	77.45 ug/l	
13-SEP-90 16:09:07	rep 1	Ag328	conc	-21.775 ug/l	window edge
13-SEP-90 16:09:18	rep 1	Al396	conc	59713.0 ug/l	
13-SEP-90 16:09:25	rep 1	Ba455	conc	373.92 ug/l	
13-SEP-90 16:09:35	rep 1	Na589	conc	640 ug/l	
13-SEP-90 16:09:51	rep 1	K766	conc	5781 ug/l	
13-SEP-90 16:10:10	rep 2	Sb206	conc	54.58 ug/l	
13-SEP-90 16:10:17	rep 2	Zn213	conc	361.22 ug/l	
13-SEP-90 16:10:26	rep 2	Pb220	conc	132.97 ug/l	
13-SEP-90 16:10:33	rep 2	Cd226	conc	3.180 ug/l	
13-SEP-90 16:10:38	rep 2	Co238	conc	52.02 ug/l	
13-SEP-90 16:10:46	rep 2	Ni231	conc	99.42 ug/l	
13-SEP-90 16:10:52	rep 2	Mn257	conc	1771.64 ug/l	
13-SEP-90 16:10:57	rep 2	Fe259	conc	130347.4 ug/l	
13-SEP-90 16:11:03	rep 2	Cr267	conc	67.94 ug/l	
13-SEP-90 16:11:09	rep 2	Mg279	conc	33376 ug/l	
13-SEP-90 16:11:15	rep 2	V292	conc	91.60 ug/l	
13-SEP-90 16:11:21	rep 2	Be313.1	conc	2.242 ug/l	
13-SEP-90 16:11:27	rep 2	Ca317	conc	24431.9 ug/l	
13-SEP-90 16:11:36	rep 2	Cu324	conc	86.23 ug/l	
13-SEP-90 16:11:47	rep 2	Ag328	conc	-6.903 ug/l	window edge
13-SEP-90 16:11:57	rep 2	Al396	conc	59930.4 ug/l	
13-SEP-90 16:12:04	rep 2	Ba455	conc	373.97 ug/l	
13-SEP-90 16:12:14	rep 2	Na589	conc	638 ug/l	
13-SEP-90 16:12:30	rep 2	K766	conc	5720 ug/l	
13-SEP-90 16:14:10	rep 1	Sb206	conc	-2.75 ug/l	
13-SEP-90 16:14:17	rep 1	Zn213	conc	345.19 ug/l	
13-SEP-90 16:14:26	rep 1	Pb220	conc	13.09 ug/l	
13-SEP-90 16:14:33	rep 1	Cd226	conc	-1.902 ug/l	
13-SEP-90 16:14:38	rep 1	Co238	conc	26.87 ug/l	
13-SEP-90 16:14:46	rep 1	Ni231	conc	78.22 ug/l	
13-SEP-90 16:14:52	rep 1	Mn257	conc	1082.68 ug/l	
13-SEP-90 16:14:57	rep 1	Fe259	conc	104661.1 ug/l	
13-SEP-90 16:15:03	rep 1	Cr267	conc	54.83 ug/l	
13-SEP-90 16:15:09	rep 1	Mg279	conc	27098 ug/l	
13-SEP-90 16:15:15	rep 1	V292	conc	80.83 ug/l	
13-SEP-90 16:15:21	rep 1	Be313.1	conc	1.695 ug/l	
13-SEP-90 16:15:27	rep 1	Ca317	conc	16296.3 ug/l	
13-SEP-90 16:15:36	rep 1	Cu324	conc	49.12 ug/l	
13-SEP-90 16:15:46	rep 1	Ag328	conc	-21.137 ug/l	window edge
13-SEP-90 16:15:57	rep 1	Al396	conc	46589.3 ug/l	
13-SEP-90 16:16:04	rep 1	Ba455	conc	158.12 ug/l	
13-SEP-90 16:16:14	rep 1	Na589	conc	553 ug/l	
13-SEP-90 16:16:30	rep 1	K766	conc	4234 ug/l	
13-SEP-90 16:16:48	rep 2	Sb206	conc	-59.71 ug/l	
13-SEP-90 16:16:55	rep 2	Zn213	conc	337.85 ug/l	
13-SEP-90 16:17:05	rep 2	Pb220	conc	48.73 ug/l	
13-SEP-90 16:17:11	rep 2	Cd226	conc	3.373 ug/l	
13-SEP-90 16:17:16	rep 2	Co238	conc	35.07 ug/l	
13-SEP-90 16:17:24	rep 2	Ni231	conc	93.43 ug/l	
13-SEP-90 16:17:30	rep 2	Mn257	conc	1081.45 ug/l	
13-SEP-90 16:17:35	rep 2	Fe259	conc	106320.1 ug/l	
13-SEP-90 16:17:41	rep 2	Cr267	conc	54.26 ug/l	
13-SEP-90 16:17:47	rep 2	Mg279	conc	26961 ug/l	
13-SEP-90 16:17:53	rep 2	V292	conc	75.46 ug/l	
13-SEP-90 16:17:59	rep 2	Be313.1	conc	2.347 ug/l	window edge
13-SEP-90 16:18:05	rep 2	Ca317	conc	16260.0 ug/l	
13-SEP-90 16:18:14	rep 2	Cu324	conc	57.44 ug/l	
13-SEP-90 16:18:25	rep 2	Ag328	conc	-10.838 ug/l	
13-SEP-90 16:18:36	rep 2	Al396	conc	46913.6 ug/l	
13-SEP-90 16:18:43	rep 2	Ba455	conc	161.74 ug/l	
13-SEP-90 16:18:53	rep 2	Na589	conc	499 ug/l	
13-SEP-90 16:19:09	rep 2	K766	conc	4259 ug/l	
13-SEP-90 16:20:49	rep 1	Sb206	conc	9.99 ug/l	
13-SEP-90 16:20:56	rep 1	Zn213	conc	272.06 ug/l	
13-SEP-90 16:21:05	rep 1	Pb220	conc	30.37 ug/l	
13-SEP-90 16:21:12	rep 1	Cd226	conc	3.213 ug/l	
13-SEP-90 16:21:17	rep 1	Co238	conc	27.92 ug/l	
13-SEP-90 16:21:25	rep 1	Ni231	conc	69.38 ug/l	
13-SEP-90 16:21:31	rep 1	Mn257	conc	1976.92 ug/l	
13-SEP-90 16:21:36	rep 1	Fe259	conc	109063.5 ug/l	
13-SEP-90 16:21:43	rep 1	Cr267	conc	49.95 ug/l	
13-SEP-90 16:21:49	rep 1	Mg279	conc	23345 ug/l	
13-SEP-90 16:21:55	rep 1	V292	conc	83.36 ug/l	
13-SEP-90 16:22:01	rep 1	Be313.1	conc	1.832 ug/l	
13-SEP-90 16:22:07	rep 1	Ca317	conc	18205.4 ug/l	

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLPICP1--1ER19
13-SEP-90 11:50

13-SEP-90 16:22:17	rep 1	Cu324	conc 60.31 ug/L	
13-SEP-90 16:22:27	rep 1	Ag328	conc -17.954 ug/L	
13-SEP-90 16:22:38	rep 1	Al396	conc 43588.2 ug/L	
13-SEP-90 16:22:45	rep 1	Ba455	conc 247.19 ug/L	
13-SEP-90 16:22:55	rep 1	Na589	conc 3953 ug/L	
13-SEP-90 16:23:12	rep 1	K766	conc 3463 ug/L	
13-SEP-90 16:23:30	rep 2	Sb206	conc 18.98 ug/L	
13-SEP-90 16:23:37	rep 2	Zn213	conc 266.64 ug/L	
13-SEP-90 16:23:46	rep 2	Pb220	conc 41.87 ug/L	
13-SEP-90 16:23:53	rep 2	Cd226	conc 4.239 ug/L	
13-SEP-90 16:23:58	rep 2	Co238	conc 34.53 ug/L	
13-SEP-90 16:24:06	rep 2	Ni231	conc 71.83 ug/L	
13-SEP-90 16:24:12	rep 2	Mn257	conc 1965.53 ug/L	
13-SEP-90 16:24:17	rep 2	Fe259	conc 111429.3 ug/L	
13-SEP-90 16:24:23	rep 2	Cr267	conc 53.74 ug/L	
13-SEP-90 16:24:29	rep 2	Hg279	conc 23278 ug/L	
13-SEP-90 16:24:35	rep 2	V292	conc 78.85 ug/L	
13-SEP-90 16:24:41	rep 2	Be313.1	conc 1.717 ug/L	
13-SEP-90 16:24:47	rep 2	Ca317	conc 18310.7 ug/L	
13-SEP-90 16:24:56	rep 2	Cu324	conc 62.78 ug/L	
13-SEP-90 16:25:07	rep 2	Ag328	conc -18.698 ug/L	window edge
13-SEP-90 16:25:17	rep 2	Al396	conc 43153.8 ug/L	
13-SEP-90 16:25:24	rep 2	Ba455	conc 240.70 ug/L	
13-SEP-90 16:25:34	rep 2	Na589	conc 4204 ug/L	
13-SEP-90 16:25:50	rep 2	K766	conc 3564 ug/L	
13-SEP-90 16:27:29	rep 1	Sb206	conc 991.27 ug/L	
13-SEP-90 16:27:36	rep 1	Zn213	conc 800.70 ug/L	
13-SEP-90 16:27:46	rep 1	Pb220	conc 1100.45 ug/L	
13-SEP-90 16:27:53	rep 1	Cd226	conc 212.359 ug/L	
13-SEP-90 16:27:58	rep 1	Co238	conc 676.86 ug/L	
13-SEP-90 16:28:06	rep 1	Ni231	conc 284.39 ug/L	
13-SEP-90 16:28:12	rep 1	Mn257	conc 1045.62 ug/L	
13-SEP-90 16:28:17	rep 1	Fe259	conc 102709.4 ug/L	
13-SEP-90 16:28:23	rep 1	Cr267	conc 488.50 ug/L	
13-SEP-90 16:28:29	rep 1	Hg279	conc 618410 ug/L	
13-SEP-90 16:28:36	rep 1	V292	conc 352.99 ug/L	
13-SEP-90 16:28:42	rep 1	Be313.1	conc 96.558 ug/L	
13-SEP-90 16:28:48	rep 1	Ca317	conc 449885.5 ug/L	over range
13-SEP-90 16:28:57	rep 1	Cu324	conc 23381.33 ug/L	over range
13-SEP-90 16:29:08	rep 1	Ag328	conc 83.104 ug/L	
13-SEP-90 16:29:18	rep 1	Al396	conc 1268.8 ug/L	
13-SEP-90 16:29:25	rep 1	Ba455	conc 29.55 ug/L	
13-SEP-90 16:29:35	rep 1	Na589	conc 181 ug/L	
13-SEP-90 16:29:51	rep 1	K766	conc 755 ug/L	
13-SEP-90 16:30:10	rep 2	Sb206	conc 972.00 ug/L	
13-SEP-90 16:30:17	rep 2	Zn213	conc 795.32 ug/L	
13-SEP-90 16:30:27	rep 2	Pb220	conc 1076.67 ug/L	
13-SEP-90 16:30:33	rep 2	Cd226	conc 214.651 ug/L	
13-SEP-90 16:30:38	rep 2	Co238	conc 649.16 ug/L	
13-SEP-90 16:30:47	rep 2	Ni231	conc 265.70 ug/L	
13-SEP-90 16:30:52	rep 2	Mn257	conc 1020.35 ug/L	
13-SEP-90 16:30:58	rep 2	Fe259	conc 104100.0 ug/L	
13-SEP-90 16:31:04	rep 2	Cr267	conc 488.04 ug/L	
13-SEP-90 16:31:09	rep 2	Hg279	conc 629593 ug/L	
13-SEP-90 16:31:16	rep 2	V292	conc 339.77 ug/L	
13-SEP-90 16:31:23	rep 2	Be313.1	conc 98.868 ug/L	
13-SEP-90 16:31:28	rep 2	Ca317	conc 452922.6 ug/L	over range
13-SEP-90 16:31:37	rep 2	Cu324	conc 23879.38 ug/L	over range
13-SEP-90 16:31:48	rep 2	Ag328	conc 86.060 ug/L	
13-SEP-90 16:31:59	rep 2	Al396	conc 1268.6 ug/L	
13-SEP-90 16:32:06	rep 2	Ba455	conc 30.34 ug/L	
13-SEP-90 16:32:16	rep 2	Na589	conc 210 ug/L	
13-SEP-90 16:32:33	rep 2	K766	conc 694 ug/L	
13-SEP-90 16:34:11	rep 1	Sb206	conc 766.89 ug/L	
13-SEP-90 16:34:19	rep 1	Zn213	conc 1015.29 ug/L	
13-SEP-90 16:34:28	rep 1	Pb220	conc 969.09 ug/L	
13-SEP-90 16:34:34	rep 1	Cd226	conc 233.641 ug/L	
13-SEP-90 16:34:39	rep 1	Co238	conc 678.19 ug/L	
13-SEP-90 16:34:48	rep 1	Ni231	conc 117.44 ug/L	
13-SEP-90 16:34:53	rep 1	Mn257	conc 1163.60 ug/L	
13-SEP-90 16:34:58	rep 1	Fe259	conc 110914.8 ug/L	
13-SEP-90 16:35:05	rep 1	Cr267	conc 581.89 ug/L	
13-SEP-90 16:35:10	rep 1	Hg279	conc 659086 ug/L	
13-SEP-90 16:35:17	rep 1	V292	conc 526.58 ug/L	
13-SEP-90 16:35:22	rep 1	Be313.1	conc 112.321 ug/L	
13-SEP-90 16:35:29	rep 1	Ca317	conc 1016636.4 ug/L	
13-SEP-90 16:35:38	rep 1	Cu324	conc 33247.91 ug/L	
13-SEP-90 16:35:49	rep 1	Ag328	conc -85.469 ug/L	
13-SEP-90 16:35:59	rep 1	Al396	conc -187.7 ug/L	
13-SEP-90 16:36:07	rep 1	Ba455	conc 105.24 ug/L	
13-SEP-90 16:36:17	rep 1	Na589	conc 393 ug/L	
13-SEP-90 16:36:33	rep 1	K766	conc 6415 ug/L	
13-SEP-90 16:36:52	rep 2	Sb206	conc 843.43 ug/L	
13-SEP-90 16:37:00	rep 2	Zn213	conc 907.01 ug/L	
13-SEP-90 16:37:09	rep 2	Pb220	conc 687.09 ug/L	
13-SEP-90 16:37:16	rep 2	Cd226	conc 235.834 ug/L	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER20
13-SEP-90 11:50

13-SEP-90 16:37:21		rep 2	Co238	conc	648.02	ug/l	
13-SEP-90 16:37:30		rep 2	Ni231	conc	-46.94	ug/l	
13-SEP-90 16:37:35		rep 2	Mn257	conc	1161.74	ug/l	
13-SEP-90 16:37:41		rep 2	Fe259	conc	108821.7	ug/l	
13-SEP-90 16:37:48		rep 2	Cr267	conc	439.82	ug/l	
13-SEP-90 16:37:54		rep 2	Mg279	conc	649520	ug/l	
13-SEP-90 16:38:00		rep 2	V292	conc	496.46	ug/l	
13-SEP-90 16:38:07		rep 2	Be313.1	conc	107.721	ug/l	
13-SEP-90 16:38:13		rep 2	Ca317	conc	1011177.1	ug/l	
13-SEP-90 16:38:22		rep 2	Cu324	conc	34279.95	ug/l	
13-SEP-90 16:38:32		rep 2	Ag328	conc	110.078	ug/l	
13-SEP-90 16:38:43		rep 2	Al396	conc	-818.9	ug/l	
13-SEP-90 16:38:50		rep 2	Ba455	conc	140.30	ug/l	
13-SEP-90 16:39:00		rep 2	Na589	conc	-275	ug/l	
13-SEP-90 16:39:16		rep 2	K766	conc	5694	ug/l	
13-SEP-90 16:40:49	CCVA(AB):3	rep 1	Sb206	conc	1951.62	ug/l	
13-SEP-90 16:40:57		rep 1	Zn213	conc	492.15	ug/l	
13-SEP-90 16:41:06		rep 1	Pb220	conc	1071.27	ug/l	
13-SEP-90 16:41:13		rep 1	Cd226	conc	504.859	ug/l	
13-SEP-90 16:41:18		rep 1	Co238	conc	503.41	ug/l	
13-SEP-90 16:41:27		rep 1	Ni231	conc	504.98	ug/l	
13-SEP-90 16:41:33		rep 1	Mn257	conc	503.12	ug/l	
13-SEP-90 16:41:39		rep 1	Fe259	conc	534.9	ug/l	
13-SEP-90 16:41:45		rep 1	Cr267	conc	506.54	ug/l	
13-SEP-90 16:41:51		rep 1	Mg279	conc	177	ug/l	
13-SEP-90 16:41:58		rep 1	V292	conc	515.23	ug/l	
13-SEP-90 16:42:04		rep 1	Be313.1	conc	502.895	ug/l	
13-SEP-90 16:42:11		rep 1	Ca317	conc	1083.5	ug/l	
13-SEP-90 16:42:20		rep 1	Cu324	conc	493.99	ug/l	
13-SEP-90 16:42:31		rep 1	Ag328	conc	496.201	ug/l	
13-SEP-90 16:42:42		rep 1	Al396	conc	900.2	ug/l	
13-SEP-90 16:42:49		rep 1	Ba455	conc	514.79	ug/l	
13-SEP-90 16:42:59		rep 1	Na589	conc	1103	ug/l	
13-SEP-90 16:43:16		rep 1	K766	conc	1276	ug/l	
13-SEP-90 16:43:34		rep 2	Sb206	conc	1958.66	ug/l	
13-SEP-90 16:43:41		rep 2	Zn213	conc	505.40	ug/l	
13-SEP-90 16:43:51		rep 2	Pb220	conc	1000.75	ug/l	
13-SEP-90 16:43:58		rep 2	Cd226	conc	519.293	ug/l	
13-SEP-90 16:44:03		rep 2	Co238	conc	527.09	ug/l	
13-SEP-90 16:44:11		rep 2	Ni231	conc	518.95	ug/l	
13-SEP-90 16:44:16		rep 2	Mn257	conc	507.51	ug/l	
13-SEP-90 16:44:22		rep 2	Fe259	conc	552.4	ug/l	
13-SEP-90 16:44:28		rep 2	Cr267	conc	517.29	ug/l	
13-SEP-90 16:44:33		rep 2	Mg279	conc	229	ug/l	
13-SEP-90 16:44:40		rep 2	V292	conc	523.42	ug/l	
13-SEP-90 16:44:46		rep 2	Be313.1	conc	517.350	ug/l	
13-SEP-90 16:44:51		rep 2	Ca317	conc	1110.6	ug/l	
13-SEP-90 16:45:00		rep 2	Cu324	conc	475.05	ug/l	
13-SEP-90 16:45:11		rep 2	Ag328	conc	487.517	ug/l	
13-SEP-90 16:45:21		rep 2	Al396	conc	1011.5	ug/l	
13-SEP-90 16:45:28		rep 2	Ba455	conc	521.99	ug/l	
13-SEP-90 16:45:39		rep 2	Na589	conc	1060	ug/l	
13-SEP-90 16:45:54		rep 2	K766	conc	1024	ug/l	
13-SEP-90 16:47:27	CCVB(AB):3	rep 1	Fe259	conc	47882.8	ug/l	
13-SEP-90 16:47:32		rep 1	Mg279	conc	52501	ug/l	
13-SEP-90 16:47:39		rep 1	Ca317	conc	48607.6	ug/l	
13-SEP-90 16:47:50		rep 1	Al396	conc	48202.6	ug/l	
13-SEP-90 16:48:01		rep 1	Na589	conc	48837	ug/l	
13-SEP-90 16:48:17		rep 1	K766	conc	44852	ug/l	
13-SEP-90 16:48:32		rep 2	Fe259	conc	47990.4	ug/l	
13-SEP-90 16:48:38		rep 2	Mg279	conc	51216	ug/l	
13-SEP-90 16:48:44		rep 2	Ca317	conc	48956.4	ug/l	
13-SEP-90 16:48:55		rep 2	Al396	conc	47464.0	ug/l	
13-SEP-90 16:49:06		rep 2	Na589	conc	49953	ug/l	
13-SEP-90 16:49:22		rep 2	K766	conc	45560	ug/l	
13-SEP-90 16:50:59	CCB:3	rep 1	Sb206	conc	-65.70	ug/l	
13-SEP-90 16:51:07		rep 1	Zn213	conc	0.54	ug/l	window edge
13-SEP-90 16:51:16		rep 1	Pb220	conc	23.34	ug/l	
13-SEP-90 16:51:23		rep 1	Cd226	conc	-2.966	ug/l	window edge
13-SEP-90 16:51:29		rep 1	Co238	conc	-6.70	ug/l	
13-SEP-90 16:51:37		rep 1	Ni231	conc	0.91	ug/l	
13-SEP-90 16:51:43		rep 1	Mn257	conc	-0.43	ug/l	
13-SEP-90 16:51:48		rep 1	Fe259	conc	5.2	ug/l	
13-SEP-90 16:51:54		rep 1	Cr267	conc	3.20	ug/l	
13-SEP-90 16:51:59		rep 1	Mg279	conc	-968	ug/l	window edge
13-SEP-90 16:52:06		rep 1	V292	conc	10.36	ug/l	
13-SEP-90 16:52:11		rep 1	Be313.1	conc	-0.393	ug/l	
13-SEP-90 16:52:17		rep 1	Ca317	conc	-5.8	ug/l	
13-SEP-90 16:52:26		rep 1	Cu324	conc	12.22	ug/l	
13-SEP-90 16:52:37		rep 1	Ag328	conc	-3.492	ug/l	
13-SEP-90 16:52:47		rep 1	Al396	conc	-67.1	ug/l	
13-SEP-90 16:52:55		rep 1	Ba455	conc	3.14	ug/l	window edge
13-SEP-90 16:53:05		rep 1	Na589	conc	-29	ug/l	
13-SEP-90 16:53:22		rep 1	K766	conc	416	ug/l	
13-SEP-90 16:53:40		rep 2	Sb206	conc	55.20	ug/l	
13-SEP-90 16:53:48		rep 2	Zn213	conc	-1.07	ug/l	

000144

Instrument Log

Watch file name: ICP\$MAIN:[ICP.EPAINCLP]ICP1_WATCHN.13SEP901150
Method: EPAINCLP

ICP1--1ER21
13-SEP-90 11:50

Date/Time	Rep	Element	Conc	Unit	Notes
13-SEP-90 16:53:57	rep 2	Pb220	-25.94	ug/L	
13-SEP-90 16:54:04	rep 2	Cd226	-0.477	ug/L	window edge
13-SEP-90 16:54:10	rep 2	Co238	-10.58	ug/L	
13-SEP-90 16:54:18	rep 2	Ni231	-5.54	ug/L	
13-SEP-90 16:54:24	rep 2	Mn257	-0.43	ug/L	
13-SEP-90 16:54:29	rep 2	Fe259	12.7	ug/L	
13-SEP-90 16:54:35	rep 2	Cr267	0.09	ug/L	
13-SEP-90 16:54:41	rep 2	Mg279	-958	ug/L	window edge
13-SEP-90 16:54:48	rep 2	V292	13.90	ug/L	window edge
13-SEP-90 16:54:54	rep 2	Be313.1	0.158	ug/L	
13-SEP-90 16:54:59	rep 2	Ca317	-2.5	ug/L	
13-SEP-90 16:55:09	rep 2	Cu324	-0.01	ug/L	window edge
13-SEP-90 16:55:20	rep 2	Ag328	-8.481	ug/L	window edge
13-SEP-90 16:55:31	rep 2	Al396	-65.8	ug/L	
13-SEP-90 16:55:38	rep 2	Ba455	3.94	ug/L	
13-SEP-90 16:55:48	rep 2	Na589	-8	ug/L	
13-SEP-90 16:56:04	rep 2	K766	458	ug/L	
13-SEP-90 16:57:33	rep 1	Sb206	102.33	ug/L	
13-SEP-90 16:57:41	rep 1	Zn213	27.64	ug/L	
13-SEP-90 16:57:50	rep 1	Pb220	-461.72	ug/L	window edge
13-SEP-90 16:57:56	rep 1	Cd226	10.867	ug/L	
13-SEP-90 16:58:02	rep 1	Co238	-10.04	ug/L	
13-SEP-90 16:58:10	rep 1	Ni231	10.85	ug/L	
13-SEP-90 16:58:15	rep 1	Mn257	10.34	ug/L	
13-SEP-90 16:58:21	rep 1	Fe259	199358.3	ug/L	
13-SEP-90 16:58:27	rep 1	Cr267	35.84	ug/L	
13-SEP-90 16:58:33	rep 1	Mg279	506949	ug/L	
13-SEP-90 16:58:39	rep 1	V292	76.01	ug/L	
13-SEP-90 16:58:45	rep 1	Be313.1	0.613	ug/L	
13-SEP-90 16:58:51	rep 1	Ca317	459214.0	ug/L	over range
13-SEP-90 16:59:00	rep 1	Cu324	10.77	ug/L	window edge
13-SEP-90 16:59:11	rep 1	Ag328	-10.788	ug/L	
13-SEP-90 16:59:21	rep 1	Al396	461677.9	ug/L	
13-SEP-90 16:59:29	rep 1	Ba455	6.27	ug/L	
13-SEP-90 16:59:39	rep 1	Na589	85	ug/L	
13-SEP-90 16:59:55	rep 1	K766	608	ug/L	
13-SEP-90 17:00:14	rep 2	Sb206	25.05	ug/L	
13-SEP-90 17:00:21	rep 2	Zn213	23.05	ug/L	
13-SEP-90 17:00:30	rep 2	Pb220	-449.08	ug/L	window edge
13-SEP-90 17:00:37	rep 2	Cd226	12.975	ug/L	
13-SEP-90 17:00:42	rep 2	Co238	3.63	ug/L	
13-SEP-90 17:00:50	rep 2	Ni231	3.63	ug/L	
13-SEP-90 17:00:56	rep 2	Mn257	9.86	ug/L	
13-SEP-90 17:01:01	rep 2	Fe259	197869.8	ug/L	
13-SEP-90 17:01:07	rep 2	Cr267	43.82	ug/L	
13-SEP-90 17:01:12	rep 2	Mg279	499632	ug/L	
13-SEP-90 17:01:19	rep 2	V292	70.09	ug/L	
13-SEP-90 17:01:25	rep 2	Be313.1	0.247	ug/L	
13-SEP-90 17:01:30	rep 2	Ca317	459362.1	ug/L	over range
13-SEP-90 17:01:39	rep 2	Cu324	26.48	ug/L	
13-SEP-90 17:01:50	rep 2	Ag328	-21.481	ug/L	
13-SEP-90 17:02:01	rep 2	Al396	450933.7	ug/L	
13-SEP-90 17:02:08	rep 2	Ba455	8.53	ug/L	
13-SEP-90 17:02:18	rep 2	Na589	81	ug/L	
13-SEP-90 17:02:34	rep 2	K766	523	ug/L	
13-SEP-90 17:04:04	rep 1	Sb206	943.53	ug/L	
13-SEP-90 17:04:12	rep 1	Zn213	928.29	ug/L	
13-SEP-90 17:04:21	rep 1	Pb220	776.80	ug/L	
13-SEP-90 17:04:27	rep 1	Cd226	876.248	ug/L	
13-SEP-90 17:04:33	rep 1	Co238	430.43	ug/L	
13-SEP-90 17:04:41	rep 1	Ni231	848.36	ug/L	
13-SEP-90 17:04:47	rep 1	Mn257	461.68	ug/L	
13-SEP-90 17:04:53	rep 1	Fe259	202219.4	ug/L	
13-SEP-90 17:04:59	rep 1	Cr267	487.10	ug/L	
13-SEP-90 17:05:05	rep 1	Mg279	510502	ug/L	
13-SEP-90 17:05:12	rep 1	V292	459.83	ug/L	
13-SEP-90 17:05:17	rep 1	Be313.1	472.700	ug/L	
13-SEP-90 17:05:23	rep 1	Ca317	458557.4	ug/L	over range
13-SEP-90 17:05:32	rep 1	Cu324	455.08	ug/L	
13-SEP-90 17:05:43	rep 1	Ag328	891.933	ug/L	
13-SEP-90 17:05:53	rep 1	Al396	445758.3	ug/L	
13-SEP-90 17:06:01	rep 1	Ba455	491.02	ug/L	
13-SEP-90 17:06:11	rep 1	Na589	83	ug/L	
13-SEP-90 17:06:28	rep 1	K766	436	ug/L	
13-SEP-90 17:06:46	rep 2	Sb206	857.75	ug/L	
13-SEP-90 17:06:53	rep 2	Zn213	922.28	ug/L	
13-SEP-90 17:07:03	rep 2	Pb220	721.64	ug/L	
13-SEP-90 17:07:09	rep 2	Cd226	896.351	ug/L	
13-SEP-90 17:07:14	rep 2	Co238	428.48	ug/L	
13-SEP-90 17:07:23	rep 2	Ni231	883.06	ug/L	
13-SEP-90 17:07:29	rep 2	Mn257	476.36	ug/L	
13-SEP-90 17:07:34	rep 2	Fe259	203859.0	ug/L	
13-SEP-90 17:07:40	rep 2	Cr267	491.86	ug/L	
13-SEP-90 17:07:46	rep 2	Mg279	511658	ug/L	
13-SEP-90 17:07:53	rep 2	V292	472.76	ug/L	
13-SEP-90 17:07:59	rep 2	Be313.1	482.112	ug/L	

Instrument Log

Watch file name: ICPSMAIN:[ICP.EPAINCLP]ICP1_WATCH.13SEP901150
Method: EPAINCLP

ICP1--1ER22
13-SEP-90 11:50

Date/Time	Rep	Element	Conc	Unit	Notes
13-SEP-90 17:08:05	rep 2	Ca317	459925.6	ug/l	
13-SEP-90 17:08:13	rep 2	Cu324	451.70	ug/l	over range
13-SEP-90 17:08:24	rep 2	Ag328	902.514	ug/l	
13-SEP-90 17:08:35	rep 2	Al396	459141.6	ug/l	
13-SEP-90 17:08:43	rep 2	Ba455	488.67	ug/l	
13-SEP-90 17:08:53	rep 2	Na589	84	ug/l	
13-SEP-90 17:09:09	rep 2	K766	487	ug/l	
13-SEP-90 17:10:44	rep 1	Sb206	69.49	ug/l	
13-SEP-90 17:10:52	rep 1	Zn213	40.41	ug/l	
13-SEP-90 17:11:01	rep 1	Pb220	171.00	ug/l	
13-SEP-90 17:11:08	rep 1	Cd226	7.915	ug/l	
13-SEP-90 17:11:13	rep 1	Co238	108.46	ug/l	
13-SEP-90 17:11:21	rep 1	Ni231	72.25	ug/l	
13-SEP-90 17:11:27	rep 1	Mn257	29.66	ug/l	
13-SEP-90 17:11:32	rep 1	Fe259	237.4	ug/l	
13-SEP-90 17:11:38	rep 1	Cr267	15.64	ug/l	
13-SEP-90 17:11:43	rep 1	Hg279	-838	ug/l	
13-SEP-90 17:11:50	rep 1	V292	105.09	ug/l	
13-SEP-90 17:11:56	rep 1	Be313.1	9.401	ug/l	
13-SEP-90 17:12:02	rep 1	Ca317	73.4	ug/l	
13-SEP-90 17:12:10	rep 1	Cu324	46.85	ug/l	
13-SEP-90 17:12:21	rep 1	Ag328	13.778	ug/l	
13-SEP-90 17:12:32	rep 1	Al396	305.6	ug/l	
13-SEP-90 17:12:39	rep 1	Ba455	43.33	ug/l	
13-SEP-90 17:12:49	rep 1	Na589	72	ug/l	
13-SEP-90 17:13:05	rep 1	K766	396	ug/l	
13-SEP-90 17:13:24	rep 2	Sb206	155.45	ug/l	
13-SEP-90 17:13:31	rep 2	Zn213	42.42	ug/l	
13-SEP-90 17:13:40	rep 2	Pb220	216.83	ug/l	
13-SEP-90 17:13:47	rep 2	Cd226	10.197	ug/l	
13-SEP-90 17:13:52	rep 2	Co238	101.02	ug/l	
13-SEP-90 17:14:00	rep 2	Ni231	72.92	ug/l	
13-SEP-90 17:14:06	rep 2	Mn257	29.20	ug/l	
13-SEP-90 17:14:11	rep 2	Fe259	231.4	ug/l	
13-SEP-90 17:14:17	rep 2	Cr267	16.69	ug/l	
13-SEP-90 17:14:23	rep 2	Hg279	-856	ug/l	
13-SEP-90 17:14:29	rep 2	V292	93.24	ug/l	
13-SEP-90 17:14:35	rep 2	Be313.1	9.768	ug/l	
13-SEP-90 17:14:41	rep 2	Ca317	60.8	ug/l	
13-SEP-90 17:14:50	rep 2	Cu324	51.57	ug/l	
13-SEP-90 17:15:00	rep 2	Ag328	9.678	ug/l	
13-SEP-90 17:15:11	rep 2	Al396	285.7	ug/l	
13-SEP-90 17:15:18	rep 2	Ba455	43.78	ug/l	
13-SEP-90 17:15:28	rep 2	Na589	18	ug/l	
13-SEP-90 17:15:44	rep 2	K766	418	ug/l	
13-SEP-90 17:16:32		End method EPA_INCLP			

SUPPORTIVE DOCUMENTATION

FOR METALS

ANALYZED BY FURNACE

000147

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: As Contract Required Detection Limit (CRDL): 10 ug/l Date Analyzed: 8-21-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.999985136
10 .062 40 .264 Slope: 0.006807143
20 .127 — — Y Intercept: -0.0085
 FURNACE: (5000)/ 3030

Aquatec Lab No.	M	Sample Result*	Sample +20 ppb Spike Result*	Spike Recovery %	% Solids	(g) or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>ug/l</u>
<u>BLANK</u> 120197,98		<u>0</u>	<u>18.34</u>	<u>91.7</u>		<u>100.26</u>	<u>100</u>	<u>1</u>		<u>42.2</u>
120197	A	<u>0</u>	<u>15.27</u>	<u>76.4</u>		<u>100.90</u>	<u>100</u>	<u>1</u>		<u>410</u> — W
120198	A	<u>20.44</u>	<u>38.54</u>	<u>90.5</u>		<u>50</u>	<u>50</u>	<u>2</u>		<u>40.88</u>
<u>AQUCS</u> <u>REV-2</u>		<u>20.44</u>								

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Analyzed By: KRO/BA A

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	%R

Qualifiers: N - Not within control limit.

Checked By: VLA

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

Metal: As Contract Required Detection Limit (CRDL): 10 µg/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: µg/l Abs. µg/l Abs. Corr. Coeff.: 0.999985136
10 .060 40 .264 Slope: 0.006807143
20 .127 — .264 Intercept: -0.0085

Furnace 5000 / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. (µg/l)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>µg/l</u>
		Sample	Sample + ppb Spike								
378-4		.164									25.54
↓		.154									23.87
		.157									24.31
		.165									25.49

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL) _____

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CRDL

Spike Recovery

Control Limit (CL) _____

Spike: _____ µg/ml = _____ µg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	SR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4 times the spike added therefore SR is non-calculable.

Analyzed By: KRO/BAA

Checked By: KLA

000148

5:30PM

AS
PKH
8-31-90
KRO/BA

n=3
r=0.999985136
y_{int}=-0.0085
slope=0.006807143

0.003
-0.000
0.001 AU
0.000 AZ
0.57 0.056
0.064
0.060 AU 10
0.14 0.128
0.126
0.127 AU 20
0.35 0.267
0.262
0.264 AU 40

0.14 0.163
0.165 ICV 378-4 X=25.34 mg/l
0.164 AU

0.07 0.000
0.001 ICB CalBRK X=1.40 mg/l (1) L2.2
0.001 AU

0.92 0.073
0.060 CRA at 10ppb X=10.94 mg/l
0.066 AU

0 0.134
0.134 CRA at 20ppb X=20.93 mg/l
0.134 AU

0.14 0.000
0.002 CLPBLK 120090-120100, 120197, 98
0.001 AU 0 X=0

0.64 0.100
0.109 16.67 x 1.1 = 18.34 91.7% Sy Rec
0.105 AU 20

0.21 0.117
0.120 AQLCS ICV-2 (120198) (1-2)
0.113 AU 0 X=18.58 x 1.1 = 20.44 x 2 = 40.88 mg/l

1.20 0.222
0.239 35.04 x 1.1 = 38.54 90.5% Sy Rec
0.230 AU 20

0.21 0.003
0.000 120090
0.002 AU 0 X=0

0.21 0.106
0.109 17.11 x 1.1 = 18.83 94.1% Sy Rec
0.108 AU 20

0.14 -0.002
-0.000 120694
-0.001 AU 0 X=0

0.21 0.111
0.114 17.85 x 1.1 = 19.63 98.2% Sy Rec
0.113 AU 20

0.28 0.156
0.152 CCV 378-4 X=23.87 mg/l
0.154 AU

0 0.001
0.001 CCB CalBRK X=1.40 mg/l (2) L2.2
0.001 AU

0.07 -0.003
-0.002 120095
-0.002 AU 0 X=0

0 0.114
0.114 17.99 x 1.1 = 19.80 99.0% Sy Rec
0.114 AU 20

0.07 0.000
0.001 120096
0.001 AU 0

0.07 0.111
0.112 17.56 x 1.1 = 19.31 96.6% Sy Rec
0.111 AU 20

0.14 0.000
0.002 120096 DP
0.001 AU 0 X=0

0.28 0.104
0.106 16.82 x 1.1 = 18.50 92.5% Sy Rec
0.106 AU 20

0.49 0.053
0.056 120096 MS 1-4
0.168 X=9.47 x 1.1 = 10.42 x 4 = 41.69 mg/l

0.28 0.172
0.170 26.22 x 1.1 = 28.84 92.1% Sy Rec
0.170 AU 20

0.28 0.003
0.001 120097
0.001 AU 0 X=0

0 0.110
0.110 17.41 x 1.1 = 19.15 95.7% Sy Rec
0.110 AU 20

0.78 0.163
0.152 CCV 378-4 X=24.31 mg/l
0.157 AU

0.28 0.001
0.003 CCB CalBRK X=1.10 mg/l (3) L2.2
0.001 AU

0.28 0.001
0.003 120098
0.003 AU 0 X=0

PERKIN-ELMER CORP. PART NO. F513-1001

8111

PERKIN-ELMER CORP. PART

000149

0.07	-0.001 AU	X=0	
	0.111		
	0.112		
	0.111 AU 20	$17.56 \times 1.1 = 19.31$	96.6% Sy Rec
0.14	-0.002	120096 DP	
	-0.001 AU 0	X=0	
	0.104		
	0.108		
0.28	0.106 AU 20	$16.82 \times 1.1 = 18.50$	92.5% Sy Rec
	0.058	120096 MS 1-74	
	0.053		
0.49	0.056 AU 0	$X = 9.47 \times 1.1 = 10.42$	$X = 41.69 \text{ mg/l}$
	0.168		
0.28	0.172	$26.22 \times 1.1 = 28.84$	92.1% Sy Rec
	0.170 AU 20		
	0.003	120097	
0.28	-0.001	X=0	
	0.001 AU 0		
	0.110		
0	0.110	$17.41 \times 1.1 = 19.15$	95.7% Sy Rec
	0.110 AU 20		
0.78	0.163	LCV 378-4	$X = 24.31 \text{ mg/l}$
	0.152		
	0.157 AU		
0.28	-0.001	CCB CALBK	$X = 1.10 \text{ mg/l}$
	-0.003		
	-0.001 AU	120098	
	0.001	X=0	
0.28	0.003		
	0.001 AU 0		
0.28	0.102	$15.94 \times 1.1 = 17.53$	87.7% Sy Rec
	0.098		
	0.100 AU 20		
0.28	-0.004	120099	
	0.000	X=0	
	-0.002 AU 0		
0.64	0.110		
	0.119	$18.14 \times 1.1 = 19.96$	99.8% Sy Rec
	0.115 AU 20		
	0.001	12000	
0.07	0.000	X=0	
	0.001 AU 0		
	0.117		
0	0.117	$19.44 \times 1.1 = 20.28$	101.4% Sy Rec
	0.001	120097	
0.42	-0.006	X=0	
	-0.003 AU 0		
	0.007		
0.07	0.006	$13.88 \times 1.1 = 15.27$	76.4% Sy Rec
	0.006 AU 20		
0.57	0.169	CCV 378-4	$X = 25.49 \text{ mg/l}$
	0.161		
	0.165 AU		
0.28	0.003	CCB CALBK	$X = 1.40 \text{ mg/l}$
	-0.001		
	0.001 AU		

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: PbContract Required Detection Limit (CRDL): 5 ug/lDate Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.998825224
3 .019 10 .074 Slope: 0.010023121
5 .048 20 .193 Y Intercept: -0.006719653
 FURNACE: (5000) / 3030

Aquatec Lab No.	M	Sample Result*	Sample +/- ppb Spike Result*	Spike Recovery %	% Solids	(g) or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>ug/l</u>
<u>BLANK</u> 12019798		<u>0</u>	<u>9.85</u>	<u>98.5</u>		<u>100.26</u>	<u>100</u>	<u>1</u>		<u><0.70</u>
<u>LES</u> 120198	<u>A</u>	<u>10.18</u>	<u>19.17</u>	<u>98.6</u> <u>KLA</u>		<u>50</u>	<u>50</u>	<u>10</u>		<u>101.80</u>

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	%R

Qualifiers: N - Not within control limit.

Analyzed By: BAAChecked By: KLA

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

000152

Metal: Pb Contract Required Detection Limit (CROL): µg/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: µg/l Abs. µg/l Abs. Corr. Coeff.: 0.998825224 -
3 .019 10 .094 Slope: 0.010023121 -
5 .048 20 .193 Intercept: -0.006719653 -

Furnace (5000) / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. (µg/l)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>µg/l</u>
		Sample	Sample + ppb Spike								
378-5		.159			16.53				2		33.07
↓		.157			16.33				↓		32.67
		~~.160~~			~~16.63~~						~~33.27~~

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL)

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CROL

Spike Recovery

Control Limit (CL)

Spike: ml µg/ml = µg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	SR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4
times the spike added therefore SR is
non-calculable.

Analyzed By: BAA

0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	ICV 378-5(1→2) X = 16.53 X 2 = 33.07 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	ICB Cal BLK X = 0.17 mg/l (1) LO.7
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CRA at 3 ppb X = 2.77 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CRA at 10 ppb X = 10.05 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CLP BLK 120197, 198 X = 0
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	8.95 x 1.1 = 9.85 98.5% Spec
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	120198 AQLCS ICV-4 (1→10) 9.25 x 1.1 = 10.18 x 10 = 101.76 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	17.43 x 1.1 = 19.17 90.0% Spec
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CCV 378-5(1→2) X = 16.33 X 2 = 32.67 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CCB Cal BLK X = 0.27 mg/l (2) LO.7
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CLP BLK 120090-120100 X = 0
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	5.76 x 1.1 = 6.33 105.6% Spec
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	AQLCS ICV-4 (1→10) X = 9.35 x 1.1 = 10.29 x 10 = 102.85 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	15.04 x 1.1 = 16.54 104.3% Spec
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	120698 X = 0
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	5.76 x 1.1 = 6.33 105.6% Spec
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CCV 378-5(1→2) X = 16.63 X 2 = 33.27 mg/l
0.010	0.014	0.012 AU	0.000 AZ	0.019	0.019 AU 3	0.047	0.050	0.048 AU 5	0.092	0.095	0.094 AU 10	0.190	0.196	0.193 AU 20	0.157	0.160	0.159 AU	CCB Cal BLK X = 0.37 mg/l (3) LO.7

END 9:42 PM

000153

000154

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: Pb Contract Required Detection Limit (CRDL): 5 ug/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.9990145
3 .009 10 .041 Slope: 0.0042717
5 .021 20 .083 Y Intercept: -0.0021
 FURNACE: 5000 K3030

Aquatec Lab No.	M	Sample Result*	Sample +10 ppb Spike Result*	Spike Recovery %	% Solids	(g) or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>ug/l</u>
120197	A	0	8.00	80.0		100.90	100	1		<5.0 W

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Analyzed By: KRO/BAA

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	%R

Qualifiers: N - Not within control limit.

Checked By: KLA

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

Metal: Pb Contract Required Detection Limit (CRDL): $\mu\text{g/l}$ Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: $\mu\text{g/l}$ Abs. $\mu\text{g/l}$ Abs. Corr. Coeff.: 0.9990145
3 .009 10 .041 Slope: 0.0042717
5 .021 20 .083 Intercept: -0.0021

Furnace 5000 / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. ($\mu\text{g/l}$)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>mg/L</u>
		Sample	Sample + ppb Spike								
378-5		.066			15.94				2-		31.88
		.067			16.17						32.34
		.067			16.17						32.34 <u>KA</u>
		.066			15.94						31.88
		.070			16.87				$\downarrow$		33.75

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL)

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CRDL

Spike Recovery

Control Limit (CL)
Spike: ml $\mu\text{g/ml}$ = μg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	IR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4 times the spike added therefore IR is non-calculable.

Analyzed By: KAO/SA A

Checked By: KA

CCT000

4-31-90 KRO/BAA

1:55 PM

①

FB
0.006

0.005

MEAN= 0.006 STD. DEV.= 0.001 COEF. VAR.= %

0.000 AUTOZERO

FB
0.000 0.001

MEAN= 0.000 STD. DEV.= 0.000 COEF. VAR.= %

0.000 AUTOZERO

FB
0.010 3 0.007

MEAN= 0.009 STD. DEV.= 0.002 COEF. VAR.= %

FB
0.021 5 0.021

MEAN= 0.021 STD. DEV.= 0.000 COEF. VAR.= %

FB
0.040 10 0.042

MEAN= 0.041 STD. DEV.= 0.001 COEF. VAR.= %

FB
0.084 20 0.083

MEAN= 0.083 STD. DEV.= 0.000 COEF. VAR.= %

FB
0.066 378-5 0.067

ICV- 1-2 $x = 15.94 \times 2 = 31.88$

MEAN= 0.066 STD. DEV.= 0.001 COEF. VAR.= %

FB
-0.001 -0.001 ICB

$x = 0.25 - \textcircled{1} 10.7$

MEAN= -0.001 STD. DEV.= 0.000 COEF. VAR.= %

FB
0.010 0.009

CRA at 3 m⁶ $x = 2.83$

MEAN= 0.010 STD. DEV.= 0.001 COEF. VAR.= %

$m = 4 \text{ Can } 0.990145$
 $y_{int} - 0.0021$
 $slope 0.0042717$

FB
0.042 0.042 CRA at 10 m⁶ $x = 10.32$

MEAN= 0.042 STD. DEV.= 0.000 COEF. VAR.= % 000156

FB
① 0.000 MEAN= 0.000 -0.001 CIP BLK 120199 1199
② 0.000 MEAN= 0.000 -0.001

MEAN= 0.045 STD. DEV. = 0.001 COEF. VAR. = 0.045

MEAN= 0.044 STD. DEV. = 0.046
APLCS IGV-4 (0,10) 1 → 10
out high
(2)

MEAN= 0.035 STD. DEV. = 0.000 COEF. VAR. = %

MEAN= 0.034 STD. DEV. = 0.035

MEAN= 0.000 STD. DEV. = 0.002 COEF. VAR. = %

MEAN= -0.001 STD. DEV. = 0.001
CIPBLK 120090-120100 (0,6) and high
(2)

MEAN= -0.001 STD. DEV. = 0.000 COEF. VAR. = %

MEAN= -0.001 STD. DEV. = -0.001 CCB

MEAN= 0.067 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.068 STD. DEV. = 0.066 CV

MEAN= 0.088 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.087 STD. DEV. = 0.088

MEAN= 0.048 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.049 STD. DEV. = 0.047

MEAN= 0.029 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.028 STD. DEV. = 0.030

MEAN= -0.001 STD. DEV. = 0.000 COEF. VAR. = %

MEAN= -0.001 STD. DEV. = -0.002

MEAN= 0.048 STD. DEV. = 0.000 COEF. VAR. = %

MEAN= 0.048 STD. DEV. = 0.049

MEAN= 0.000 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.000 STD. DEV. = 0.001

MEAN= 0.000 STD. DEV. = 0.001 COEF. VAR. = %

MEAN= 0.000 STD. DEV. = 0.001 COEF. VAR. = %

000158

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: SeContract Required Detection Limit (CRDL): 5 ug/lDate Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.9996036
5 .036 20 .142 Slope: 0.0070286
10 .074 — — Y Intercept: 0.002
 FURNACE: 5000 / 3030

Aquatec Lab No.	M	Sample Result*	Sample +10 ppb Spike Result*	Spike Recovery %	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>ug/l</u>
120197	A	0 ✓	8.45 ✓	84.5 ✓		100.90 ✓	100	5 ✓		25.0 ✓ W

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	XR

Qualifiers: N - Not within control limit.

Analyzed By: KROChecked By: KRA

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

000159

Metal: Se Contract Required Detection Limit (CRDL): 5 µg/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: µg/l Abs. µg/l Abs. Corr. Coeff.: 0.9996036
5 .034 20 .142 Slope: 0.0070286
10 .074 Intercept: 0.002

Furnace 5000 / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. (µg/l)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>µg/l</u>
		Sample	Sample + ppb Spike								
15 ppb Check		.106									14.80
"		.106									14.80

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL) _____

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CRDL

Spike Recovery

Control Limit (CL) _____

Spike: _____ ml _____ µg/ml = _____ µg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	NR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4
times the spike added therefore NR is
non-calculable.

Analyzed By: KRO

0.003
0.003
0.003 AU
0.016
0.013
0.014 AU
-0.002
-0.001
-0.001 AU 0
0.058
0.055
0.057 AU 10
0.038
0.102
0.100 AU
0.003
0.000
0.002 AU

120147

DILUTE / RECAL

120197 (1-5)

$x = 0$

$7.13 \times 1.1 = 7.84$ 78.4% ppw

CCV

OUT / LOW

12:08 PM Recal

-0.001
0.001
-0.000 AU
0.000 AZ
0.036
0.037
0.036 AU 5
0.075
0.073
0.074 AU 10
0.142
0.141
0.142 AU 20

$M = 3 \text{ Can } 0.9996036$

$y \text{ int } 0.002$

Slope 0.0070286

ICV 15 ppb check

$x = 14.80$

ICV

$x = 0.57$

① LO.7

CRA at 5 ppb

$x = 5.12$

CRA at 10 ppb

$x = 10.81$

0.004
0.004
0.004 AU 0
0.069
0.068
0.068 AU 10
0.005
0.004
0.004 AU 0
0.058
0.057
0.058 AU 10
0.005
0.002
0.003 AU 0
0.060
0.061
0.060 AU 10
-0.001
-0.000
-0.000 AU 0
0.056
0.055
0.056 AU 10
0.105
0.108
0.106 AU
0.006
0.003
0.005 AU

120098

$x = 0$

$9.39 \times 1.1 = 10.33$ 113.3% ppw

120099

$x = 0$

$7.97 \times 1.1 = 8.76$ 87.6% ppw

120100

$x = 0$

$8.25 \times 1.1 = 9.08$ 90.8% ppw

120197 (1-5)

$x = 0$

$7.68 \times 1.1 = 8.45$ 84.5% ppw

CCV

$x = 14.80$

CCV

$x = 0.43$

② LO.7

1253 PM

Se
8.31-90
KPS

000160

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: SeContract Required Detection Limit (CRDL): 5 ug/lDate Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.9999802
5 .040 20 .158 Slope: 0.0078571
10 .080 Y Intercept: 0.001
 FURNACE: 5000 / 3030

Aquatec Lab No.	M	Sample Result*	Sample +10 ppb Spike Result*	Spike Recovery %	% Solids	(g) or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>ug/l</u>
<u>BLANK</u> 120197,98		<u>0</u>	<u>9.80</u>	<u>98.0</u>		<u>100.26</u>	<u>100</u>	<u>1</u>		<u>20.70</u>
<u>120198</u>	<u>A</u>	<u>10.08</u>	<u>19.88</u>	<u>98.0</u>		<u>50</u>	<u>50</u>	<u>5</u>		<u>50.40</u>

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Analyzed By: KRO

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	ZR

Qualifiers: N - Not within control limit.

Checked By: KUP

000161

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

000162

Metal: Se Contract Required Detection Limit (CRDL): 5 µg/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: µg/l Abs. µg/l Abs. Corr. Coeff.: 0.9997802
5 .040 20 .158 Slope: 0.0078571
10 .080 Intercept: 0.001

Furnace 5000 / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. (µg/l)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>µg/l</u>
		Sample	Sample + ppb Spike								
<u>15 ppb Check</u>		<u>.118</u>									<u>14.89</u>
↓		<u>.111</u>									<u>14.00</u>
		<u>.110</u>	<u>11.0</u>								<u>13.87</u>

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL) _____

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CRDL

Spike Recovery

Control Limit (CL) _____
Spike: _____ ml _____ µg/ml = _____ µg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	SR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4
times the spike added therefore SR is
non-calculable.

Analyzed By: KRO
KCH

4:08 AM

Se
8-31-90
KRO
please let

-0.009		
-0.010		
-0.009 AU		
0.000 AZ		
0.039		
0.042		
0.040 AU 5	$m = 3 \text{ Can}$	0.9997802
0.077	$y \text{ int}$	0.001
0.083		
0.080 AU 10	Slope	0.0078571
0.159		
0.158		
0.158 AU 20		
0.119	ICV 1511b check	
0.116		
0.118 AU	$x = 14.89$	8.39
0.002	ICB	
0.001	$x = 0$	(1) 60.7
0.001 AU		
0.040	CLA at 511b	
0.040		
0.040 AU	$x = 4.96$	
0.081	CLA at 1011b	
0.079		
0.080 AU	$x = 10.05$	
0.000	cut blk 120070-120100, 120197, 1178	
0.000		
0.000 AU 0	$x = 0$	
0.071		
0.071	$8.71 \times 1.1 = 9.58$	98.0% open
0.071 AU 10		
0.074	AQCS 10W-2 (1-5)	120198
0.072		
0.073 AU 0	$x = 9.16 \times 1.1 = 10.08 \times 5 = 50.40$	
0.143		
0.142	$18.07 \times 1.1 = 19.88$	98.0% open
0.143 AU 10		
0.004	120070	
0.002		
0.003 AU 0	$x = 0$	
0.067		
0.072	$8.78 \times 1.1 = 9.66$	96.6% open
0.070 AU 10		
0.005	120094	
0.004		
0.005 AU 0	$x = 0$	
0.057		
0.058	$7.25 \times 1.1 = 7.98$	79.8% open
0.056 AU 10		
0.108	LCV	
0.113		
0.111 AU	$x = 14.00$	
0.001	CCB	
0.005	$x = 0.25$	(2) 60.7
0.003 AU		
0.003	120095	
0.001		
0.002 AU 0	$x = 0$	
0.057		
0.055	$7.00 \times 1.1 = 7.70$	77.0% open
0.056 AU 10		
0.002	120076	
0.000		
0.001 AU 0	$x = 0$	
0.056		
0.057	$7.00 \times 1.1 = 7.70$	77.0% open
0.056 AU 10		
0.003	120096 OP	
0.002		
0.002 AU 0	$x = 0$	
0.053		
0.054	$6.62 \times 1.1 = 7.28$	72.8% open
0.053 AU 10		
0.027	120076 MS (1-2)	
0.028		
0.027 AU 0	$x = 3.31 \times 1.1 = 3.64 \times 2 = 7.28$	72.8 7.28
0.054		
0.089		
0.092 AU 10	$11.58 \times 1.1 = 12.74$	91.0% open
0.004	120097	
0.000		
0.002 AU 0	$x = 0$	
0.050		
0.054	$6.49 \times 1.1 = 7.14$	71.4% open
0.052 AU 10		

000163

AQUATEC, INC.

Metals Analysis by

Atomic Absorption Spectroscopy (Graphite Furnace)

Metal: TlContract Required Detection Limit (CRDL): 10 ug/lDate Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: ug/l Abs. ug/l Abs. Corr. Coeff.: 0.9983375
10 .033 30 .093 Slope: 0.003
20 .066 — — Y Intercept: 0.009
 FURNACE: 5000 (3030)

Aquatec Lab No.	M	Sample Result*	Sample +20 ppb Spike Result*	Spike Recovery %	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>48/2</u>
<u>BLANK</u> 120197,98		<u>0</u> ✓	<u>21.63</u> ✓	<u>108.2</u> ✓		<u>100.26</u> ✓	<u>100</u> ✓	<u>1</u>		<u><1.2</u> ✓
120197	<u>A</u>	<u>0</u> ✓	<u>8.43</u> ✓	<u>42.2</u> ✓		<u>100.90</u> ✓	<u>100</u> ✓	<u>10</u> ✓		<u><100</u> ✓ <u>W</u>
120198 <u>KA</u>	<u>A</u>	<u>19.80</u> ✓	<u>38.87</u> ✓	<u>95.4</u> <u>W</u>		<u>50</u> ✓	<u>50</u> ✓	<u>5</u> ✓		<u>99.00</u> ✓

QUALIFIERS: D - Duplicate; S - Spike; M - Matrix; A - Aqueous; S - Solid; O - Other

*Results multiplied by 1.1 dilution factor.

Duplicate Analysis

Control Limit (CL) _____

units:

Aquatec Lab No.	(DSR) Duplicate	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
 NC - SR(DSR) < CRDL

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike: _____ ml _____ ug/ml = _____ ug

units:

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	ZR

Qualifiers: N - Not within control limit.

Analyzed By: KPOChecked By: KA

AQUATEC, INC.
Metals Analysis by
Atomic Absorption Spectroscopy (Graphite Furnace)

F-0281

Metal: Tl Contract Required Detection Limit (CRDL): 10 µg/l Date Analyzed: 8-31-90

Analysis from Calibration Curve and Single Spike

Calibration: µg/l Abs. µg/l Abs. Corr. Coeff.: 0.9983375 ✓
10 .073 30 .093 Slope: 0.003 ✓
20 .066 Intercept: 0.004 ✓

Furnace 5000 / 3030

Aquatec Lab No.	Matrix	Mean Absorbances		Spike Recovery %	Observed Conc. (µg/l)	% Solids	g or ml Sample	Digested Volume (ml)	Dilution Factor(s)	Density	Sample Result (SR) units: <u>µg/l</u>
		Sample	Sample + ppb Spike								
581-3#1		.079 ✓									25.00 ✓
		.080 ✓									25.33 ✓
		.076 ✓									24.00 ✓
		.082 ✓									26.00 ✓

QUALIFIERS: Rep-Replicate; Sp-Spike; A-Aqueous; S-Solid; O-Other

Replicate Analysis

Control Limit (CL) _____

Aquatec Lab No.	Replicate (REP)	Sample Result (SR)	RPD

Qualifiers: * - Not within CL;
NC - SR(DSR) < CRDL

Spike Recovery

Control Limit (CL) _____
Spike: _____ ml _____ µg/ml = _____ µg

Aquatec Lab No.	Result		SSR-SR	Spike Added (SA)	SR
	Spiked Sample (SSR)	Sample (SR)			

QUALIFIERS: A-Average of replicate analysis
N-Not within control limit,
NA-Sample concentration is greater than 4 times the spike added therefore SR is non-calculable.

Analyzed By: KRO

Checked By: VIA

000165

7:56 Am
K20
8-31-90

$n=3$ con 0.9983375
Y Int 0.004
Slope 0.003

REL
-0.001 0.003

MEAN= 0.001 STD.DEV.= 0.002 COEF.VAR.= %

0.000 AUTOZERO

TL 0.032 104812 0.034

MEAN= 0.033 STD.DEV.= 0.001 COEF.VAR.= %

TL 0.067 20 0.065

MEAN= 0.066 STD.DEV.= 0.002 COEF.VAR.= %

TL 0.092 30 0.093

MEAN= 0.093 STD.DEV.= 0.001 COEF.VAR.= %

TL 0.079 1CV 581-3#1 $x=25.00$

MEAN= 0.079 STD.DEV.= 0.000 COEF.VAR.= %

TL -0.001 -0.001 1CB $x=-1.67$ ① -1.76

MEAN= -0.001 STD.DEV.= 0.000 COEF.VAR.= %

TL 0.034 0.034 CFA at 1011b $x=10.00$ ✓

MEAN= 0.034 STD.DEV.= 0.000 COEF.VAR.= %

TL 0.067 0.067 CFA at 20 ppb $x=21.00$ ✓

MEAN= 0.067 STD.DEV.= 0.000 COEF.VAR.= %

TL -0.001 -0.002 CFA at 12000-12000, 120197, 198 $x=0$

MEAN= -0.002 STD.DEV.= 0.001 COEF.VAR.= %

TL 0.063 0.062 19.67 $\times 1.1 = 21.63$ 108.2% apm

MEAN= 0.063 STD.DEV.= 0.001 COEF.VAR.= %

TL 0.058 0.059 AQLC9 1CV-4 $x=18.00 \times 1.1 = 19.80 \times 5 = 99.00$
(120198) (1-5)

MEAN= 0.058 STD.DEV.= 0.001 COEF.VAR.= %

000166

TL	0.110	0.110	$35.33 \times 1.1 = 38.87$	95.3% pp ne
MEAN=	0.110	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.002	0.000	120090	$x = 0$
MEAN=	0.001	STD. DEV. =	0.001	COEF. VAR. = %
TL	0.061	0.061	$19.00 \times 1.1 = 20.90$	104.5% pp ne
MEAN=	0.061	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.000	0.001	120094	$x = 0$
MEAN=	0.000	STD. DEV. =	0.001	COEF. VAR. = %
TL	0.046	0.046	$14.00 \times 1.1 = 15.40$	77.0% pp ne
MEAN=	0.046	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.079	0.081	CCU	$x = 25.33$
MEAN=	0.080	STD. DEV. =	0.001	COEF. VAR. = %
TL	-0.001	0.001	CCB	$x = -1.33$ (5) -1.36
MEAN=	0.000	STD. DEV. =	0.001	COEF. VAR. = %
TL	-0.002	-0.001	120095	$x = 0$
MEAN=	-0.001	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.046	0.046	$14.00 \times 1.1 = 15.40$	77.0% pp ne
MEAN=	0.046	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.000	0.000	120096	$x = 0$
MEAN=	0.000	STD. DEV. =	0.000	COEF. VAR. = %
TL	0.045	0.043	$13.33 \times 1.1 = 14.67$	73.3% pp ne
MEAN=	0.044	STD. DEV. =	0.001	COEF. VAR. = %

TL	0.000	-0.002	120096 DP	X = 0
MEAN=	-0.001	STD. DEV.=	0.001	COEF. VAR.= %
TL	0.046	0.044	13.67 x 1.1 = 15.03	75.2% pp ne
MEAN=	0.045	STD. DEV.=	0.002	COEF. VAR.= %
TL	0.024	0.025	120096 m3	X = 7.00 x 1.1 = 7.70 x 5 = 38.50
MEAN=	0.025	STD. DEV.=	0.001	COEF. VAR.= %
TL	0.074	0.075	23.67 x 1.1 = 26.03	91.7% pp ne
MEAN=	0.075	STD. DEV.=	0.001	COEF. VAR.= %
TL	-0.001	-0.002	120097	X = 0
MEAN=	-0.002	STD. DEV.=	0.000	COEF. VAR.= %
TL	0.046	0.047	14.00 x 1.1 = 15.40	77.0% pp ne
MEAN=	0.046	STD. DEV.=	0.001	COEF. VAR.= %
TL	0.076	0.076	CCW	X = 24.00
MEAN=	0.076	STD. DEV.=	0.000	COEF. VAR.= %
TL	0.000	0.002	CCB	X = -1.00 (3) 41.2 ug/l
MEAN=	0.001	STD. DEV.=	0.002	COEF. VAR.= %
TL	-0.001	0.000	120098	X = 0
MEAN=	-0.001	STD. DEV.=	0.001	COEF. VAR.= %
TL	0.066	0.067	20.67 x 1.1 = 22.73	113.7% pp ne
MEAN=	0.066	STD. DEV.=	0.000	COEF. VAR.= %
TL	0.001	0.000	120099	X = 0
MEAN=	0.000	STD. DEV.=	0.001	COEF. VAR.= %

000168

T.L
0.04/ 0.04/ $14.33 \times 1.1 = 15.77$ 78.8°ppm

MEAN= 0.04/ STD.DEV.= 0.000 COEF.VAR.= %

T.L
0.001 0.000 170100 $x=0$

MEAN= 0.001 STD.DEV.= 0.001 COEF.VAR.= %

T.L
0.046 0.046 $x=14.00 \times 1.1 = 15.40$ 77.0°ppm

MEAN= 0.046 STD.DEV.= 0.000 COEF.VAR.= %

T.L
-0.004 -0.002 120197 DILUTE / REPU

MEAN= -0.003 STD.DEV.= 0.002 COEF.VAR.= %

T.L
0.009 0.010

MEAN= 0.010 STD.DEV.= 0.001 COEF.VAR.= %

T.L
-0.003 0.001 120197 $x=0$

MEAN= -0.001 STD.DEV.= 0.002 COEF.VAR.= %

T.L
0.02/ 0.02/ $7.67 \times 1.1 = 8.43$ 42.2°ppm

MEAN= 0.02/ STD.DEV.= 0.001 COEF.VAR.= %

TL
 0.081 0.082 *lw* $x = 26.00$

 MEAN= 0.082 STD. DEV. = 0.001 COEF. VAR. = %

TL
 0.003 0.003 *ccb* $x = -0.33$ *(4)* *21.208*

 MEAN= 0.003 STD. DEV. = 0.000 COEF. VAR. = %

SUPPORTIVE DOCUMENTATION
FOR MERCURY

AQUATEC, INC.

Mercury Analysis by Cold Vapor

Date Analyzed: 09.05.90 Prep Date: 09.04.90
 Contract Required Detection Limit (CRDL): 0.2 ug/l

Calibration: Bottle No. ug/ Hg Abs. Corr. Coeff.: 0.999903567
400 0.05 0.013 Slope: 0.20125
303 0.10 0.022 Y Intercept: 0.0023125
11 0.20 0.042
171 0.30 0.063
228 0.50 0.103

Aquatec Lab No.	Bottle No.	Abs	ug/Hg	(g) or ml Sample	% Solids or Density	Dilution	Sample Results (SR) Units: <u>ug/l</u>
<u>Prep 01K-120353 120155</u> <u>120197 120304</u> <u>120090-100 120306-7</u>	<u>78N</u>	<u>0.003</u>	<u>0.0034</u>	<u>100.00</u>			<u>40.12</u>
<u>120197</u>	<u>407C</u>	<u>0.001</u>	<u>-0.0065</u>	<u>103.40</u>			<u>20.20</u>

Qualifiers: S - Spike; D - Duplicate

Duplicate Analysis

Control Limit (CL) _____

Units: _____

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike _____ ml of _____ ug/ml - _____ ug

Units: _____

Aquatec Lab No.	Duplicate Result (DSR)	Sample Result (SR)	RPD

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	%R

Qualifiers: * - Not within CL
 NC - SR(DSR) < CRDL

Analyzed by: WLU

Checked by: KLA

Qualifiers: N - Not within control limit

Unlabeled by: _____

000171

AQUATEC, INC.

Mercury Analysis by Cold Vapor

Date Analyzed: 09.05.90 Prep Date: 09.04.90
 Contract Required Detection Limit (CRDL): _____ ug/l

Calibration: Bottle No. ug/Hg Abs.
400 0.05 0.013 ✓
303 0.10 0.022 ✓
11 0.20 0.042 ✓
171 0.30 0.063 ✓
228 0.50 0.103 ✓

Corr. Coeff.: 0.999903567 ✓
 Slope: 0.20125 ✓
 Y Intercept: 0.0023125 ✓

Aquatec Lab No.	Bottle No.	Abs	ug/Hg	g or ml Sample	% Solids or Density	Dilution	Sample Results (SR) Units: <u>ug/l</u>
143 TV = 1.50 ug/l	7C	0.036	0.1674				1.67 ✓
	158B	0.037	0.1724				1.72 ✓
	301	0.041	0.1922				1.92 ✓
	6C	0.038	0.1773				1.77 ✓
	199	0.041	0.1922				1.92 ✓
	12	0.032	0.1475				1.48 ✓

Qualifiers: S - Spike; D - Duplicate

Duplicate Analysis

Control Limit (CL) _____

Units: _____

Matrix Spike Recovery

Control Limit (CL) 75-125%

Spike _____ ml of _____ ug/ml = _____ ug

Units: _____

Aquatec Lab No.	Duplicate Result (DSR)	Sample Result (SR)	RPD

Aquatec Lab No.	Spiked Sample (SSR)	Sample (SR)	SSR-SR	Spike Added (SA)	IR

Qualifiers: * - Not within CL
 NC - SR(DSR) < CRDL

Qualifiers: N - Not within control limit

Analyzed by: LAU

Checked by: KA

000172

①
Hy
09.05.90
LNU

AZ	CCB CALIBIK #10	ABS=	0.003	
AZ	CCV INHSEStd #6C	ABS=	0.038	
AZ	120226 #175	ABS=	0.004	
AZ	120224 #185	ABS=	0.001	
AZ	120221 #11C	ABS=	0.001	
AZ	120220 #16	ABS=	0.006	
AZ	120219 #72	ABS=	0.001	
AZ	120218 #91	ABS=	0.001	
AZ	120217 #352C	ABS=	0.004	
AZ	120216 #95N	ABS=	0.004	
AZ	120215 #226	ABS=	0.003	
AZ	120214 #234	ABS=	0.002	
AZ	CCB CALIBIK #16B	ABS=	0.001	12.46 (1.4)
AZ	CCV INHSEStd #301	ABS=	0.041	
AZ	120213 #74C	ABS=	0.001	
AZ	120212 #93	ABS=	0.002	
AZ	120211 #58	ABS=	0.003	
AZ	120210 #83N	ABS=	0.003	
AZ	120209 #332C	ABS=	0.004	
AZ	120208 #66C	ABS=	0.001	
AZ	PREPBK 120208-287 #51	ABS=	0.001	
AZ	120215DP #59	ABS=	0.002	
AZ	120209DP #71	ABS=	0.004	
AZ	120089 #399	ABS=	0.004	
AZ	CCB CALIBIK #113N	ABS=	0.001	
AZ	CCV INHSEStd #58B	ABS=	0.037	
AZ	120088 #34	ABS=	0.002	
AZ	120087 #41	ABS=	0.002	
AZ	120086DP #131	ABS=	0.000	
AZ	120086US #74N	ABS=	0.023	
AZ	120086 #123	ABS=	0.001	
AZ	120085 #180	ABS=	0.002	
AZ	120084 #332	ABS=	0.003	
AZ	LCS #47	ABS=	0.044	
AZ	120045DP #84C	ABS=	0.005	
AZ	Propbk 120045DP 120215DP #122C 120084-89 120209DP	ABS=	0.003	
AZ	ICB CALIBIK #212	ABS=	0.002	
AZ	CCV INHSEStd #7C	ABS=	0.036	
AZ	5.000 #228	ABS=	0.103	
AZ	5.000 #171	ABS=	0.063	
AZ	2.000 #11	ABS=	0.042	
AZ	1.000 #303	ABS=	0.022	
AZ	0.500 #400	ABS=	0.013	12.42 10.38
AZ	0.500 #400	ABS=	0.008	
AZ	0.000 #87N	ABS=	0.002	
AZ	5.000 #298	ABS=	0.065	
	Hg Run 09.05.90		10.33	LNU

IN-EL-MEIR

CHART 13-1003

PERKIN-ELMÉR

CHART 13-1003

000173

②
Hy 09.05.90
LAM

END 09.05.90 13:54 LAM

AZ	CCB CalIBIK #355	ABS= 0.003	13:54 END
AZ	CCV In hose std #12	ABS= 0.032	
AZ	120096 #6	ABS= 0.000	
AZ	120304 #141	ABS= 0.000	
AZ	120303 #189	ABS= off scale	
AZ	120155 #4	ABS= off scale	
AZ	120207 #305	ABS= 0.002	
AZ	120206 #97	ABS= 0.001	
AZ	120197 #407C	ABS= 0.001	
AZ	120100 #165C	ABS= 0.000	

AZ	CCB CalIBIK #187C	ABS= 0.001	
AZ	CCV In hose std #199	ABS= 0.041	
AZ	120099 #334	ABS= 0.001	
AZ	120098 #24	ABS= 0.001	
AZ	120097 #312	ABS= 0.001	
AZ	120096DP #65	ABS= 0.003	
AZ	120096MS #53	ABS= 0.021	
AZ	120095 #175N	ABS= 0.001	
AZ	120094 #200	ABS= 0.004	
AZ	120090 #3	ABS= 0.003	
AZ	Prepbk 120090-120095-100 120155 #78N	ABS= 0.003	
AZ	120227 #175	ABS= 0.002	

AZ	CCB CalIBIK #10	ABS= 0.003	
AZ	CCV In hose std #6C	ABS= 0.038	
AZ	120226 #175	ABS= 0.004	
AZ	120224 #186	ABS= 0.001	
AZ	120221 #111C	ABS= 0.001	
AZ	120220 #16	ABS= 0.006	
AZ	120219 #72	ABS= 0.001	
AZ	120218 #91	ABS= 0.001	

PERKIN-ELMER

000174

AQUATEC. COLD VAPOR MERCURY ANALYSIS

PREP DATE: 09.04.90

ANALYSIS DATE: 09.05.90

ANALYST: LAU

CLIENT ETR	LAB I.D.	INITIAL WT VOL	BOTTLE NO.	ABS.	µg MERCURY	µg/L MERCURY
	3.000		298	0.065	n=5	
	0.000		87N	0.002	r=0.999903567	
	0.500		400	0.008 0.013	Slope = 0.20125	
	1.000		303	0.022	y-int = 0.0023125	
	2.000		11	0.042		
	3.000		171	0.063		
	5.000		228	0.103		
ICV	In hse Std	10 mL	7C	0.036	0.167301304	93.00 1.67
ICB	Cal BIK	100 mL	212	0.002	-0.001552795	
	Prepbik 120045DP 120084-89 120209DP 0.20		122C	0.003	0.003416149	
ITCOR 22794	120045DP	0.30	84C	0.005	0.013354037	
	LCS	0.20 / 10 mL	47	0.044	0.207142857	
ENVSC1 22812	120084	0.33	332	0.003	0.003416149	
	120085	0.46	180	0.002	-0.001552795	
	120086	0.29	123	0.001	-0.006521739	
	120086MS	0.30	74N	0.023	0.102795031	
	120086DP	0.42	131	0.000	-0.011490683	
	120087	0.34	41	0.002	-0.001552795	
	120088	0.36	34	0.002	-0.001552795	
CCV	In hse Std	10 mL	158B	0.037	0.172360248	95.76 1.72
CCB	Cal BIK	100 mL	113N	0.001	-0.006521739	
ENVSC1 22812	120089	0.32	399	0.004	0.008385093	
ITCOR 22843	120209DP	0.25	71 yellow	0.004	0.008385093	
	120215DP	0.24	59	0.002	-0.001552795	
	Prepbik 120208-120227 0.20		51	0.001	-0.006521739	
ITCOR 22843	120208	0.27	66C	0.001	-0.006521739	
	120209	0.22	332C	0.004	0.008385093	
	120210	0.36	83N	0.003	0.003416149	
	120211	0.27	58	0.003	0.003416149	
	120212	0.23	93	0.002	-0.001552795	
	120213	0.22	74C	0.001	-0.006521739	
CCV	In hse Std	10 mL	301	0.041	0.193336025	106.30 1.92
CCB	Cal BIK	100 mL	168	0.001	-0.006521739	

MATRIX SPIKES: 120086MS 1 mL 100 ppb Hg / 100 mL Bottle # 74N witness not spiked by LAU
 _____ 1 mL 100 ppb Hg / 100 mL Bottle # _____ witness _____
 _____ 1 mL 100 ppb Hg / 100 mL Bottle # _____ witness 0001 spiked by _____

AQUATEC. COLD VAPOR MERCURY ANALYSIS
 PREP DATE: 09.04.90 ANALYSIS DATE: 09.05.90 ANALYST: LAU

CLIENT ETR	LAB I.D.	INITIAL WT VOL	BOTTLE NO.	ABS.	ug MERCURY	ug/l MERCURY
ITTCOR 22843	120214	0.32	234	0.002	-0.001552795	
	120215	0.34	226	0.003	0.003416149	
	120216	0.31	95N	0.004	0.008385093	
	120217	0.24	352C	0.004	0.008385093	
	120218	0.23	91 blk	0.001	-0.006521739	
	120219	0.35	72 blk	0.001	-0.006521739	
	120220	0.44	16	0.006	0.018322981	
	120221	0.35	111 C	0.001	-0.006521739	
	120224	0.24	185	0.001	-0.006521739	
✓	120226	0.24	175	0.004	0.008385093	
CCV	In hse Std	10 mL	17744% C	0.038	0.177329193	98.52 1.77
CCB	Cal BIK	100 mL	10	0.003	0.003416149	
ITTCOR 22843	120227	0.29	175 yellow	0.002	-0.001552795	
120303 120304	Prepbk 120090-120100 120155 120197 120206-7 100.00		78N	0.003	0.003416149	
ENVSCI 22812	120090	100.55	3	0.003	0.003416149	
	120094	100.60	200	0.004	0.008385093	
	120095	100.49	175N	0.001	-0.006521739	
	120096 MS	100.25	53	0.021	0.092857143	
	120096 DP	102.13	65	0.003	0.003416149	
	120097	103.15	312	0.001	-0.006521739	
	120098	101.42	2A	0.001	-0.006521739	
✓	120099	103.86	334	0.001	-0.006521739	
CCV	In hse Std	10 mL	199	0.041	0.192236025	106.80 1.92
CCB	Cal BIK	100 mL	187C	0.001	-0.006521739	
ENVSCI 22812	120100	101.25	165C	0.000	-0.011490683	
NEWYRK 22840	120197	103.40	407C	0.001	-0.006521739	
ITTCOR 22843	120206	100.64	97	0.001	-0.006521739	
✓	120207	100.18	305	0.002	-0.001552795	
C184E1 22824	120155	102.80	4	off scale	—	
C184E1 22873	120303	101.40	189	off scale	—	
VTW S-M 22854 120304 120304	120304	100.39	141	0.000	-0.011490683	
ENVSCI 22812	120096	100.30	6	0.000	-0.011490683	
CCV	In hse Std	10 mL	12	0.032	0.147515528	81.95 1.48
CCB	Cal BIK	100 mL	355	0.003	0.003416149	

MATRIX SPIKES: 120096 MS 1 mL 100 ppb Hg / 100 mL Bottle # 53 witness LAU spiked by LAU
 _____ 1 mL 100 ppb Hg / 100 mL Bottle # _____ witness 0017 spiked by _____
 _____ 1 mL 100 ppb Hg / 100 mL Bottle # _____ witness 0017 spiked by _____

SUPPORTIVE DOCUMENTATION
FOR CYANIDE

Method: CYANIDE SPECTROPHOTO
 Date Analyzed: 09-06-90
 Analyst: DMG

Date Entered: 09-06-90
 Entered by: DMG

Batch: KX
 Date Verified: 09-06-90
 Verified by: DMG

Cyanide Calibration:

Estimated Cyanide (ug) = (ln(Transmittance)-Intercept)/Slope

Slope: -0.624143E-01 Intercept: 4.58898 N: 5 R: 0.999972

Amount Cyanide (ug)	Transmittance (%)	Estimated Cyanide (ug)	Absolute Error	Relative Error (%)
0.0	98.5	-0.0173	-0.0173	
0.6	94.9	0.5792	-0.0208	-3.46
2.0	86.7	2.0271	0.0271	1.36
6.0	67.5	6.0378	0.0378	0.63
10.0	52.8	9.9731	-0.0269	-0.27

Cyanide Sample Data:

cal blank <10.0 ug/l

ETR	Lab ID	Chlorinated (Y/N)	Matrix (S/W)	Solids (%)	Sample Amount	Spike Added (mg)	Distillate Volume (ml)	Taken to 100 ml (ml)	Transmit- tance (%)	Time of Analysis	Estimated Cyanide (ug)	Sample Cyanide Results	BITLAB Result	QC Remarks
	CKSTD01	N	W		300.0 ml	0.03	250.0	50.0	67.1	1535	6.13308	0.10222 mg/l		102% recovery
	BLANK01	N	W		300.0 ml		250.0	50.0	98.6	1536	-0.03358	-0.00056 mg/l		
22812	120100	N	W		300.0 ml		250.0	50.0	98.8	1537	-0.06605	-0.00110 mg/l	<0.01	
22840	120197	N	W		300.0 ml		250.0	50.0	98.3	1538	0.01524	0.00025 mg/l	<0.01	
	CKSTD02	N	W		300.0 ml	0.03	250.0	50.0	67.5	1539	6.03785	0.10063 mg/l		101% recovery
	BLANK02	N	W		300.0 ml		250.0	50.0	98.5	1540	-0.01732	-0.00029 mg/l		

000177

KX

Page 1 of 1[illegible]

DI
Blank =
100.0

Analysis

Date: <u>9-6-90</u>	Analyst: <u>Dm G</u>	Date: <u>9-6-90</u>	Analyst: <u>Dm G</u>

[illegible]

DI Blank 100.0

Entered by: Dmb

Date: 9-6-90

Batch: KX

$n=5$
 $r=0.999974546$

SAMPLE PREPARATION PACKAGE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/656-1074

Aquatec, Inc. --- PREP REPORT --- 31-AUG-1990 10:23:00 --- JJO

Prep Method: CLPDIGWAT:ICP

Batch: XI

Solid/Water: W

Date Entered: 08-30-90 ^{31/10/90}

Entered by: BAA

Analyst: FPC

Date Verified: 08-31-90

Prep Date: 08-31-90

Verified by: JJO

Lab ID	Digested Mass (g)	Digestate Volume (ml)	Spike Fraction	Spike ID
=====	=====	=====	=====	=====
120090	100.98	100		
120094	100.22	100		
120095	100.33	100		
120096	100.08	100		
120096DP	100.40	100		
120096MS	100.55	100	1	PW(AA)
120097	100.02	100		
120098	100.68	100		
120099	100.56	100		
120100	100.30	100		
120197	100.38	100		
120198	50.00	50		0489
PB608	100.16	100		

000179

Prep Method: CLPDIGWAT:ICP

Analyst: FPC Batch: XISolid/Water (S/W): WPrep Date (mm-dd-yy): 8/31/90

Lab ID	Digested Mass (g)	Digestate Volume (ml)	Spike Fraction	Spike ID
PB608	100.16	100		
^{ENUSCI} 120090	100.98			
120094	100.22			
120095	100.33			
120096	100.08			
120096MS	100.55		1	PW(AA)
120096DP	100.40			
120097	100.02			
120098	100.68			
120099	100.56			
120100	100.30			
^{NEWYAK} 120197	100.38			
^(ICU-1) 120198(LCS)	50.00	50		0489

ENUSCI 22812
NEWYAK 22840Date: 8-31-90Witness: BAA

Spikes: 1.0mls → 100mls.

New EPA ICP/FL Water Spiking Sol. ✓

4
0.5mls → 100mls. ✓
10ppm Ag

ENTERED000180

Prep Method: CLPDIGWAT:FURN

Batch: XJ

Solid/Water: W

Date Entered: 08-30-90 *Handwritten: 31*

Entered by: BAA

Analyst: FPC

Date Verified: 08-31-90

Prep Date: 08-31-90

Verified by: JJO

Lab ID	Digested Mass (g)	Digestate Volume (ml)	Spike Fraction	Spike ID
=====	=====	=====	=====	=====
120090	100.41	100		
120094	100.15	100		
120095	100.50	100		
120096	100.40	100		
120096DP	100.26	100		
120096MS	100.60	100	1	FW(AA)
120097	100.51	100		
120098	100.80	100		
120099	100.97	100		
120100	100.66	100		
120197	100.90	100		
ICV-2	50.00	50		0590
ICV-4	50.00	50		0389
PB609	100.26	100		

Prep Method: CLPDIGWAT:FURN

Analyst: FAE Batch: XJSolid/Water (S/W): WPrep Date (mm-dd-yy): 8/31/90

Lab ID	Digested Mass (g)	Digestate Volume (ml)	Spike Fraction	Spike ID
PB609	100.26	100		
^{ENUSCT} 120090	100.41	↓		
120094	100.15	↓		
120095	100.50	↓		
120096	100.40	↓		
120096 MS	100.60	↓	1	FW(AA)
120096 DP	100.26	↓		
120097	100.51	↓		
120098	100.80	↓		
120099	100.97	↓		
120100	100.66	↓		
^{NEWYRK} 120197	100.90	↓		
120198 (ICU-2)	50.00	50		
ICU-4	50.00	↓		

ENUSCT 22812
NEWYRK 22840Spike: 1.0 ml → 100 mls.
New EPA Furnace Water Spiking Sol.Date: 8-31-90
Witness: BAA

000182

ENTERED

5000 GRAPHITE FURNACE AUTOSAMPLER

AQUATEC

ELEMENT AsDATE 8-31-90ANALYST KRO/BAA

AZ B
 S1 10
 S2 20
 S3 40
 Reslope

1 ICV 378-42 ICB3 CAA at 10 ppb4 CRA at 20 ppb5 CLP 544 120090-120100 06 120197,98 207 AQ LCB 1CV-2 (12098) 08 209 120090 010 2011 120094 012 2013 CCV14 CCB15 120095 016 2017 120096 018 2019 120096 DP 020 2021 120096 MS 022 2023 120097 024 2025 CCV26 CCB27 120098 028 2029 120099 030 2031 120100 032 2033 120197 034 2035 CCVCCB

5000 PARAMETERS

PEAK HEIGHT

PEAK AREA

TIME

6

AVERAGE

2

500 PARAMETERS

TEMP

RAMP

HOLD

FLOW

DRY

90550

CHAR

1000530

ATOMIZE

2350060

COOL/CLEAN

20515

TUBE

Wall

WAVELENGTH

193.7

SLIT

0.7 LOW

SAMPLE VOLUME

20

MODIFIER VOLUME

5

MATRIX MODIFIER

Ni(NO₃)₂

ADDITIONAL COMMENTS

000183

5000 GRAPHITE FURNACE AUTOSAMPLER

AQUATEC

ELEMENT PbDATE 8-31-90ANALYST BLA

AZ Be
 S1 3
 S2 5
 S3 10

Reslope 10048-31-901 202 ICV 378-5 (1-2)3 ICB cal BIK4 CRA at 3 ppb5 CRA at 10 ppb6 CIPBIK 120197, 198 0 OK7 108 120198 AOLCS ICV-4 0 } 1-10 OK9 1010 CCV OK11 CCB12 CIPBIK 120190-120100 0 OK13 614 AOLCS ICV-4 0 } 1-10 OK15 616 120098 0 OK17 618 CCV19 CCB OK

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

5000 PARAMETERS

PEAK HEIGHT

PEAK AREA

TIME 6AVERAGE 2

500 PARAMETERS

TEMP

RAMP

HOLD

FLOW

DRY 90 5 50 300CHAR 800 30 30 300ATOMIZE 2350 0 6 0COOL/CLEAN 20 5 15 300TUBE WallWAVELENGTH 283-3SLIT 0.7SAMPLE VOLUME 20MODIFIER VOLUME 5MATRIX MODIFIER NH₄H₂PO₄

ADDITIONAL COMMENTS

000184

**ZEEMAN 3030 GRAPHITE FURNACE AUTOSAMPLER
AQUATEC**

ELEMENT Pb

DATE 8-31-90

ANALYST KRO/BAA

1	<u>6</u>	<u>1:55 pm</u>
2	<u>3</u>	
3	<u>5</u>	
4	<u>10</u>	
5	<u>20</u>	
6	<u>1W 378-5</u>	<u>1-2</u> OK
7	<u>1CB</u>	
8	<u>CRA at 3 ppb</u>	OK
9	<u>CRA at 10 ppb</u>	
10	<u>CLP BW 120197, 198</u>	0 (P)
11		10
12	<u>120197</u>	0 OK
13		10
14	<u>120198 AQLCS 1W-4</u>	0 } 1-10 (P)
15		10
16	<u>CCV</u>	
17	<u>CCB</u>	OK
18	<u>CLP BW 120090-120100</u>	0 (P)
19		6
20	<u>AQLCS 1W-4</u>	0 } 1-10 (P)
21		6
22	<u>120090</u>	0 OK
23		6
24	<u>120094</u>	0 OK
25		6
26	<u>120095</u>	0 OK
27		6
28	<u>CCV</u>	
29	<u>CCB</u>	OK
30	<u>120096</u>	0 OK
31		6
32	<u>120096 DP</u>	0 OK
33		6
34	<u>120096 M3</u>	0 } 1-4 OK
35		6
36	<u>120097</u>	0 OK
37		6
38	<u>120098</u>	0 (P)
39		6
40	<u>NH4H2PO4</u>	
	<u>CCV</u>	
	<u>CCB</u>	

Z/3030 PARAMETERS

PEAK HEIGHT	PEAK AREA
-----	-----
TIME	<u>3</u>
AVERAGE	<u>2</u>

FURNACE PARAMETERS

TEMP	RAMP	HOLD	FLOW
----	----	----	----
DRY <u>110</u>	<u>5</u>	<u>65</u>	
CHAR <u>800</u>	<u>30</u>	<u>30</u>	
ATOM <u>2200</u>	<u>0</u>	<u>6</u>	<u>0</u>
COOL/CLEAN <u>20</u>	<u>5</u>	<u>15</u>	

TUBE	<u>platform</u>
WAVELENGTH	<u>283.3</u>
SLIT	<u>0.7</u>
SAMPLE VOLUME	<u>30</u>
MODIFIER VOLUME	<u>5</u>
MATRIX MODIFIER	<u>NH4H2PO4</u>

ADDITIONAL COMMENTS

000185

ZEEMAN 3030 GRAPHITE FURNACE AUTOSAMPLER

AQUATEC

ELEMENT Pb

DATE 8-31-90

ANALYST KRO/BAA

1			
2	120099	0	OK
3		6	
4	120100	0	OK
5		6	
6	120256	0	(R)
7		10	
8	120257	0	(L)
9		10	
10	CCV		OK
11	CCB		
12	120256	0	nodil msa OK
13		5	
14		10	
15		20	
16	120257	0	nodil msa OK
17		5	
18		10	
19		20	
20	CCV		
21	CCB		OK
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

Z/3030 PARAMETERS

PEAK HEIGHT	PEAK AREA
-----	-----
TIME	3
AVERAGE	2

FURNACE PARAMETERS

TEMP	RAMP	HOLD	FLOW
----	----	----	----
DRY			
CHAR			
ATOM			
COOL/CLEAN			
TUBE			
WAVELENGTH			
SLIT			
SAMPLE VOLUME			
MODIFIER VOLUME			
MATRIX MODIFIER			

ADDITIONAL COMMENTS

000186

①

5000 GRAPHITE FURNACE AUTOSAMPLER

AQUATEC

ELEMENT Se DATE 8-31-90 ANALYST KRO

AZ B
 S1 5
 S2 10
 S3 20

Reslope

1 ICV
 2 ICB
 3 CRA at 5 PPB
 4 CRA at 10 PPB
 5 CLPBW 120090-120100, 0
 6 120197, 98 10
 7 AQ LCB ICV-2 (120198) 0 } 1 → 5
 8 120090 10
 9 120090 0
 10 120094 10
 11 120094 0
 12 120094 10
 13 CCV
 14 CCB
 15 120095 0
 16 120095 10
 17 120096 0
 18 120096 10
 19 120096 NP 0
 20 120096 NP 10
 21 120096 MS 0 } 1 → 2
 22 120096 MS 10
 23 120097 0
 24 120097 10
 25 CCV
 26 CCB
 27 120098 0
 28 120098 10
 29 120099 0
 30 120099 10
 31 120100 0
 32 120100 10
 33 120197 0 (P) 1 → 5
 34 120197 10
 35 CCV
CCB

5000 PARAMETERS

PEAK HEIGHT PEAK AREA

TIME

6

AVERAGE

2

500 PARAMETERS

TEMP RAMP HOLD FLOW

DRY

90550

CHAR

1000530

ATOMIZE

2350060

COOL/CLEAN

20515

TUBE

Wall

WAVELENGTH

196.0

SLIT

2.0 LOW

SAMPLE VOLUME

30

MODIFIER VOLUME

5

MATRIX MODIFIER

Ni(NO₃)₂

ADDITIONAL COMMENTS

000187

ZEEMAN 3030 GRAPHITE FURNACE AUTOSAMPLER

AQUATEC

ELEMENT

TIDATE 8-31-90ANALYST KRO

1 B
 2 10
 3 20
 4 30
 5 ICV
 6 ICB
 7 CRA at 10ppb
 8 CRA at 20ppb
 9 CLP BLK 120090-120100, 0 OK
 10 120197, 198 20
 11 AQLCB ICV-4 (120198) 0 } 1-5 OK
 12 20
 13 120090 0 OK
 14 20
 15 120094 0 OK
 16 20
 17 CCV OK
 18 CLB
 19 120095 0 OK
 20 20
 21 120096 0 OK
 22 20
 23 120096 OP 0 OK
 24 20
 25 120096 MS 0 } 1-5 OK
 26 20
 27 120097 0 OK
 28 20
 29 CCV OK
 30 CLB
 31 120098 0 OK
 32 20
 33 120099 0 OK
 34 20
 35 120100 0 OK
 36 20
 37 120197 0 (R) 1-10 OK
 38 20
 39
 40 Mg(NO₃)₂

Z/3030 PARAMETERS

	PEAK HEIGHT	PEAK AREA
TIME		<u>3</u>
AVERAGE		<u>2</u>

FURNACE PARAMETERS

	TEMP	RAMP	HOLD	FLOW
DRY	<u>110</u>	<u>5</u>	<u>65</u>	
CHAR	<u>600</u>	<u>30</u>	<u>30</u>	
ATOM	<u>2200</u>	<u>0</u>	<u>6</u>	<u>0</u>
COOL/CLEAN	<u>20</u>	<u>5</u>	<u>15</u>	

TUBE

WAVELENGTH

SLIT

SAMPLE VOLUME

MODIFIER VOLUME

MATRIX MODIFIER

platform276.90.7305Mg(NO₃)₂

ADDITIONAL COMMENTS

000188

QC SUMMARY



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

	EPA SAMPLE NO.	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOT OUT
01	VBLKB7	105	105	97		0
02	TRIP BLANK	106	104	101		0
03	907601	104	101	94		0
04						
05						
06						
07						
08						
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28						
29						
30						

QC LIMITS

S1 (TOL) = Toluene-d8 (88-110)
 S2 (BFB) = Bromofluorobenzene (86-115)
 S3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: AQUATEC, INC. Contract: C-001762
Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828
Lab File ID: DOAB001GV Lab Sample ID: DOAB001GV
Date Analyzed: 09/07/90 Time Analyzed: 1804
Matrix: (soil/water) WATER Level: (low/med) LOW
Instrument ID: OWAD

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP BLANK	120196	D120196V	1910
02	907601	120197	D120197V	2010
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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14				
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25				
26				
27				
28				
29				
30				

COMMENTS: _____

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID: DNZ003PV

BFB Injection Date: 09/04/90

Instrument ID: OWAD

BFB Injection Time: 2216

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.8
75	30.0 - 60.0% of mass 95	55.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.9
173	Less than 2.0% of mass 174	.0 (.0)1
174	Greater than 50.0% of mass 95	65.6
175	5.0 - 9.0% of mass 174	5.2 (7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	64.7 (98.6)1
177	5.0 - 9.0% of mass 176	5.5 (8.5)2

1-Value is % mass 174

2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200		DOA200HV	09/04/90	2235
02	VSTD020		DOA020HV	09/04/90	2347
03	VSTD150		DOA150HV	09/05/90	0042
04	VSTD100		DOA100HV	09/05/90	0202
05	VSTD050		DOA050HV	09/05/90	0312
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID: DOA007PV

BFB Injection Date: 09/07/90

Instrument ID: OWAD

BFB Injection Time: 1643

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.9
75	30.0 - 60.0% of mass 95	57.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.9
173	Less than 2.0% of mass 174	.0 (.0)1
174	Greater than 50.0% of mass 95	66.4
175	5.0 - 9.0% of mass 174	5.0 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	66.7 (100.4)1
177	5.0 - 9.0% of mass 176	5.2 (7.8)2

1-Value is % mass 174

2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050		DOA050GHV	09/07/90	1656
02	VBLKB7	DOAB001GV	DOAB001GV	09/07/90	1804
03	TRIP BLANK	120196	D120196V	09/07/90	1910
04	907601	120197	D120197V	09/07/90	2010
05					
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22					

VOLATILE ORGANIC ANALYSIS
SUPPORTIVE DOCUMENTATION



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

D120196V

Sample: L#120196 NYS#TRIP_BLANK ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER

Lab ID: 120196

NYS ID: TRIP_BLANK

ETR Number: 22840

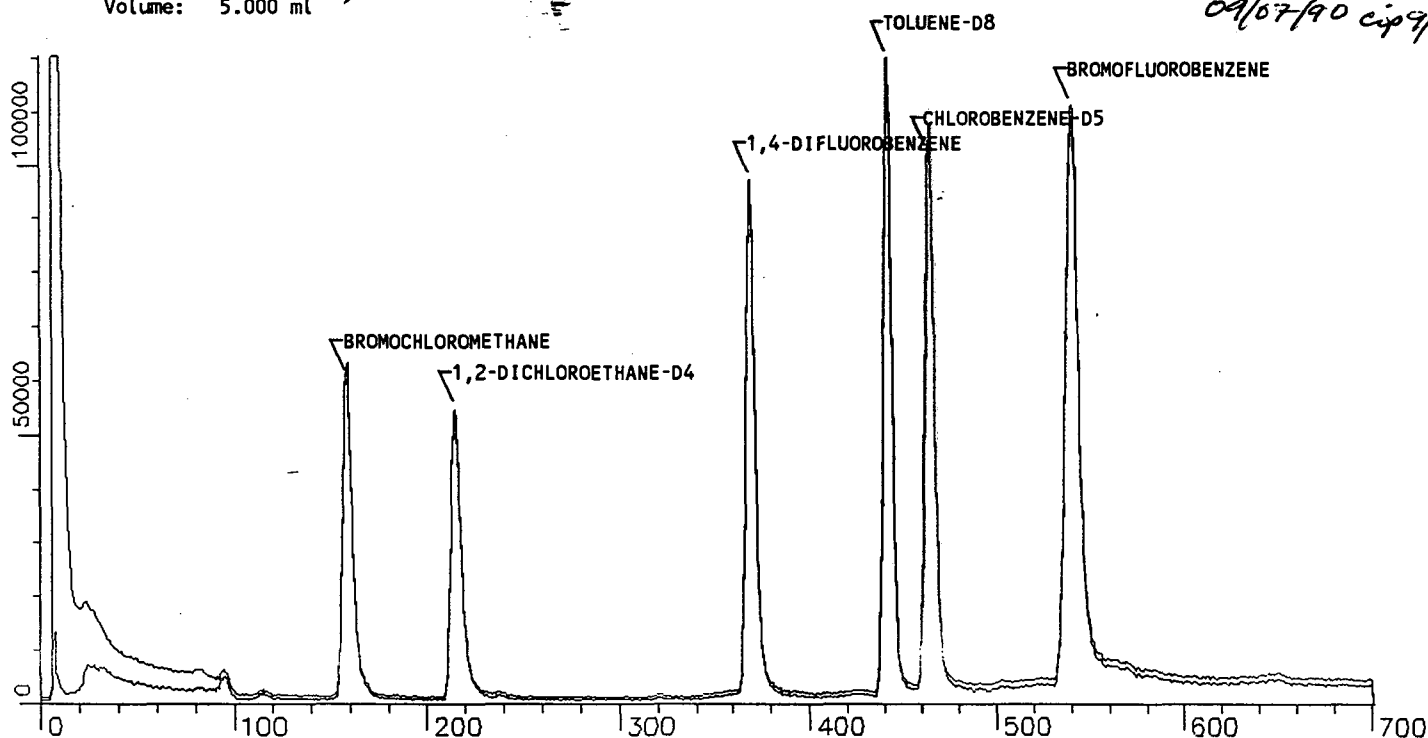
Submitted by: NEWYRK

Volume: 5.000 ml

09/06/90 1910

OWAD -- CMS

09/07/90 cip 9/27/90



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	158	7:54	1	1.000	A BB	37562.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	370	18:30	13	1.000	A BB	177007.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	464	23:12	36	1.000	A BB	150908.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	215	10:45	1	1.361	A BB	132491.	50.583 PPB	101.2	19	1,2-DICHLOROETHANE-D4
42	98	442	22:06	36	0.953	A BB	196766.	53.218 PPB	106.4	42	TOLUENE-D8
46	95	540	27:00	36	1.164	A BB	150479.	52.040 PPB	104.1	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	7:54	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:30	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:12	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:45	0	1.361	1.00	50.58	50.00	3.527	3.487	1.01	19	1,2-DICHLOROETHANE-D4
42	22:06	0	0.953	1.00	53.22	50.00	1.304	1.225	1.06	42	TOLUENE-D8
46	27:00	0	1.164	1.00	52.04	50.00	0.997	0.958	1.04	46	BROMOFLUOROBENZENE

DOA050GHV (09/06/90 16:56) RFs loaded on OWAD 9/06/90 17:54:01

D120196V 2

09/06/90 1910

OWAD -- CMS

Submitted by: NEWYRK

09/07/90 cip 9/27/90

Sample: L#120196 NYS#TRIP_BLANK ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120196 NYS ID: TRIP_BLANK ETR Number: 22840

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	NOT FOUND									2	CHLOROMETHANE
3	NOT FOUND									3	BROMOMETHANE
4	NOT FOUND									4	VINYL CHLORIDE
5	NOT FOUND									5	CHLOROETHANE
6	84	94	4:42	1	0.595	A BB	3290.	2.949 PPB		6	METHYLENE CHLORIDE
7	43	116	5:48	1	0.734	A BB	6481.	4.532 PPB		7	ACETONE
10	NOT FOUND									10	CARBON DISULFIDE
12	NOT FOUND									12	1,1-DICHLOROETHENE
14	NOT FOUND									14	1,1-DICHLOROETHANE
16	NOT FOUND									16	1,2-DICHLOROETHENE (TOTAL)
17	NOT FOUND									17	CHLOROFORM
18	NOT FOUND									18	1,2-DICHLOROETHANE
20	NOT FOUND									20	2-BUTANONE
22	97	241	12:03	13	0.651	A BB	204.	0.088 PPB		22	1,1,1-TRICHLOROETHANE
23	NOT FOUND									23	CARBON TETRACHLORIDE
24	NOT FOUND									24	VINYL ACETATE
25	NOT FOUND									25	BROMODICHLOROMETHANE
26	NOT FOUND									26	1,2-DICHLOROPROPANE
27	NOT FOUND									27	CIS-1,3-DICHLOROPROPENE
28	NOT FOUND									28	TRICHLOROETHENE
29	NOT FOUND									29	DIBROMOCHLOROMETHANE
31	NOT FOUND									31	1,1,2-TRICHLOROETHANE
32	78	321	14:03	13	0.868	A BB	871.	0.253 PPB		32	BENZENE
33	75	320	16:00	13	0.865	A BB	137.	0.268 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	NOT FOUND									34	2-CHLOROETHYL VINYLETHER
35	NOT FOUND									35	BROMOFORM
37	NOT FOUND									37	4-METHYL-2-PENTANONE
38	NOT FOUND									38	2-HEXANONE
39	NOT FOUND									39	1,1,2,2-TETRACHLOROETHANE
40	NOT FOUND									40	TETRACHLOROETHENE
43	92	446	22:18	36	0.961	A BB	844.	0.359 PPB		43	TOLUENE
44	112	466	23:18	36	1.084	A BB	534.	0.173 PPB		44	CHLOROBENZENE
45	NOT FOUND									45	ETHYLBENZENE
47	104	563	28:09	36	1.213	A BB	755.	0.261 PPB		47	STYRENE
48	106	568	28:24	36	1.224	A BB	525.	0.266 PPB		48	M-XYLENE
49	NOT FOUND									49	O- & P-XYLENE
52	106	568	28:24	36	1.224	A BB	525.	0.266 PPB		52	XYLENE (TOTAL)

Sample: L#120196 NYS#TRIP_BLANK ETR#22840 100%

Conditions: GC/MS QWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120196 NYS ID: TRIP_BLANK ETR Number: 22840

Volume: 5.000 ml

D120196V³

09/06/90 1910

QWAD -- CMS

Submitted by: NEWYRK

09/07/90 cip 9/22/90

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03		0.133							2	CHLOROMETHANE
3	1:45		0.222							3	BROMOMETHANE
4	2:12		0.278							4	VINYL CHLORIDE
5	3:00		0.380							5	CHLOROETHANE
6	4:42	0	0.595	1.00	2.95	50.00	0.088	1.485	0.06	6	METHYLENE CHLORIDE
7	5:42	-6	0.722	1.02	4.53	50.00	0.173	1.904	0.09	7	ACETONE
10	6:21		0.804							10	CARBON DISULFIDE
12	7:39		0.968							12	1,1-DICHLOROETHENE
14	8:48		1.114							14	1,1-DICHLOROETHANE
16	9:36		1.215							16	1,2-DICHLOROETHENE (TOTAL)
17	10:00		1.266							17	CHLOROFORM
18	10:51		1.373							18	1,2-DICHLOROETHANE
20	11:06		1.405							20	2-BUTANONE
22	12:00	-3	0.649	1.00	0.09	50.00	0.001	0.652	0.00	22	1,1,1-TRICHLOROETHANE
23	12:21		0.668							23	CARBON TETRACHLORIDE
24	12:57		0.700							24	VINYL ACETATE
25	12:54		0.697							25	BROMODICHLOROMETHANE
26	14:24		0.778							26	1,2-DICHLOROPROPANE
27	14:42		0.795							27	CIS-1,3-DICHLOROPROPENE
28	15:18		0.827							28	TRICHLOROETHENE
29	15:42		0.849							29	DIBROMOCHLOROMETHANE
31	15:57		0.862							31	1,1,2-TRICHLOROETHANE
32	15:54	-9	0.859	1.01	0.25	50.00	0.005	0.971	0.01	32	BENZENE
33	16:06	-6	0.870	0.99	0.27	50.00	0.001	0.144	0.01	33	TRANS-1,3-DICHLOROPROPENE
34	17:09		0.932							34	2-CHLOROETHYL VINYLETHER
35	18:27		0.997							35	BROMOFORM
37	20:30		0.884							37	4-METHYL-2-PENTANONE
38	20:30		0.884							38	2-HEXANONE
39	20:42		0.892							39	1,1,2,2-TETRACHLOROETHANE
40	20:51		0.899							40	TETRACHLOROETHENE
43	22:18	0	0.961	1.00	0.36	50.00	0.006	0.780	0.01	43	TOLUENE
44	23:21	-3	1.006	1.00	0.17	50.00	0.004	1.021	0.00	44	CHLOROBENZENE
45	25:09		1.084							45	ETHYLBENZENE
47	28:12	-3	1.216	1.00	0.26	50.00	0.005	0.960	0.01	47	STYRENE
48	28:27	-3	1.226	1.00	0.27	50.00	0.003	0.654	0.01	48	M-XYLENE
49	29:06		1.254							49	O- & P-XYLENE
52	28:27	-3	1.226	1.00	0.27	50.00	0.003	0.654	0.01	52	XYLENE (TOTAL)

Sample: L#120196 NYS#TRIP_BLANK ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120196 NYS ID: TRIP_BLANK ETR Number: 22840

Volume: 5.000 ml

D120196V¹⁴

09/06/90 1910

OWAD -- CMS

Submitted by: NEWYRK

09/07/90 cip 9/27/90

Summary of Tentatively Identified Compounds

Rank	Scan	Dec. Time	En.RIC Height	Est. Amount	Ref	Name
~~1~~	~~8~~	~~0.40~~	~~591871.~~	~~591.4~~	~~1~~	~~UNKNOWN~~ <i>CO2</i>
1STD	159	7.95	50040.	50.0	1	BROMOCHLOROMETHANE
1STD	370	18.50	61575.	50.0	13	1,4-DIFLUOROBENZENE
1STD	465	23.25	79392.	50.0	36	CHLOROBENZENE-D5

*PTC's for reporting
cip*

PROCEDURE: TCA
DATA FILE: D120196V
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/26/90 19:53:40
09/07/90 CIP 9/27/90

DOA050AHV (09/05/90 5:44) Calib. loaded on DWAD 9/05/90 6:52:18

<--- STANDARDS --->				<--- PLUS UNKNOWN --->				<--- LIST NAMES --->	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	5	4	104	UMRET1/UMUNK1	
2	2	1	0	14	3	1	58	UMRET2/UMUNK2	
3	3	1	0	13	3	1	137	UMRET2/UMUNK3	
4	4	1	0	9	7	2	131	UMRET3/UMUNK4	
5	5	1	0	8	5	5	94	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND >			SEARCH					< SAT >		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-153	159	159		1	995		128	158	-1	1
2	UM	2	-121	22	23	1	2	1000		30			
3	UM	3	-135	36						94			
4	UM	4	-45	45						62			
5	UM	5	-53	62						54			
6	UM	6	-93	96	95	-1	1	996		84	94	-1	1
7	UM	7	-119	116	115	-1	2	996		43	116	1	1
8	UM	8	-121	118						56			
9	UM	9	-133	129						53			
10	UM	10	-133	128	128		1	1000		76			
11	UM	11	-142	138						101	137		1
12	UM	12	-138	153						96			
13	UM	13	-143	143						45	141		1
14	UM	13	-375	370	370		1	990		114	370		1
15	UM	51	-165	162						55			
16	UM	14	-181	177						63			
17	UM	15	-184	180						71			
18	UM	16	-197	193						96			
19	UM	17	-205	201						83			
20	UM	18	-222	217						62			
21	UM	19	-220	215	215		1	995		65	215		1
22	UM	20	-227	222						72			
23	UM	21	-214	209						101	210		1
24	UM	22	-245	240						97	241		1
25	UM	23	-252	247						117			
26	UM	24	-263	258						43			
27	UM	25	-263	259						83			
28	UM	26	-293	289						63			
29	UM	27	-299	295						75			
30	UM	28	-311	307						130			
31	UM	29	-319	315						129			
32	UM	30	-370	366						98			
33	UM	31	-324	320						97			
34	UM	32	-323	319	320	1	1	993		78	321	1	1
35	UM	33	-326	322						75	320		1
36	UM	34	-351	347						63			
37	UM	35	-373	369						173			
38	UM	36	-470	465	465		1	987		117	464	-1	1
39	UM	37	-404	400						43			
40	UM	38	-434	430	430		3	998		43			
41	UM	39	-419	415	416	1	1	843		83			
42	UM	40	-423	419						164			
43	UM	41	-457	453	455	-2	2	964		56			
44	UM	42	-447	443	442	-1	1	997		98	442		1
45	UM	43	-451	447	445	-2	1	934		92	446	1	1
46	UM	44	-472	465						112	466		1
47	UM	45	-508	501						106			
48	UM	46	-547	539	540	1	1	996		95	540		1
49	UM	47	-573	565	565		2	969		104	563	-2	1
50	UM	48	-577	569	568	-1	1	985		106	568		1
51	UM	49	-592	584	585	1	3	986		106			
52	UM	50	-659	651						146			

000197

Sample: L#120196 NYS#TRIP_BLANK ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120196 NYS ID: TRIP_BLANK ETR Number: 22840

Volume: 5.000 ml

D120196V⁶

09/06/90 1910

OWAD -- CMS

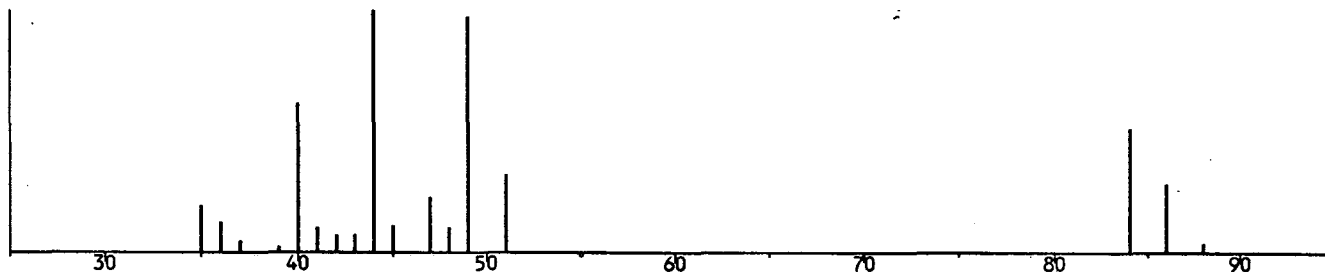
Submitted by: NEWYRK

09/07/90 cip 9/27/90

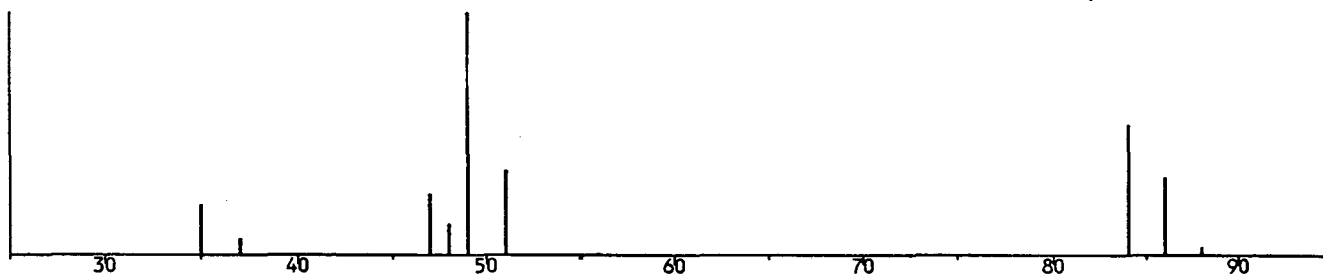
LIBRARYUM#6

METHYLENE CHLORIDE

Unenhanced spectrum -- Scan # 94 Base m/z: 44 --- RIC: 6272. Max intensity: 1292



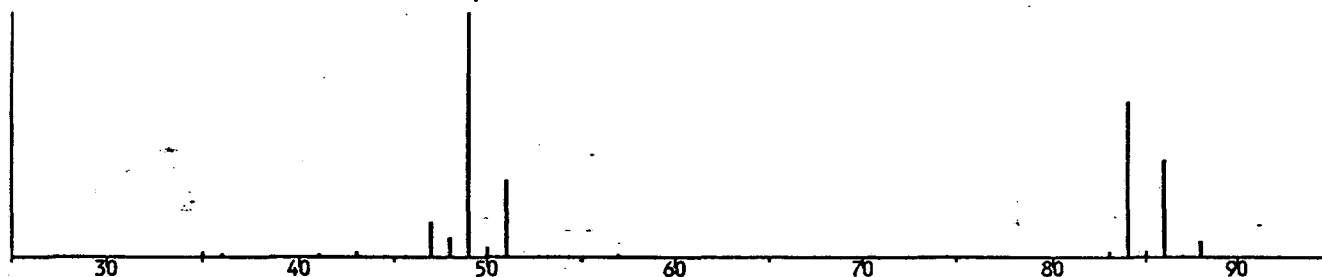
Enhanced (S 15B 2N OT) -- Scan # 94 Base m/z: 49 --- RIC: 3372. Max intensity: 1164



Enhanced DOA050GHV -- Scan # 94 Base m/z: 49 --- RIC: 73728. Max intensity: 24416



LIBRARYUM#6 CAS: 75-09-2 METHANE, DICHLORO- (CH₂Cl₂)



D120197V

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

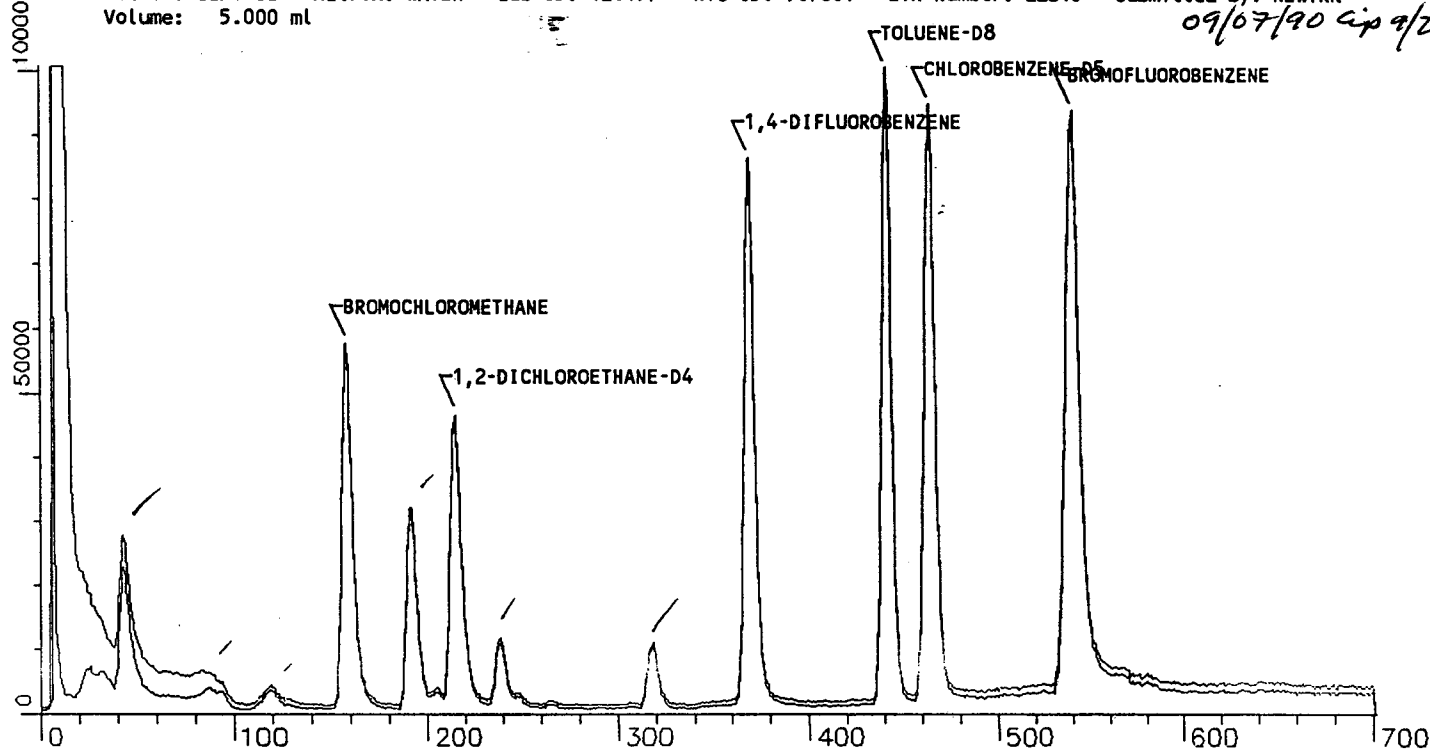
Submitted by: NEWYRK

Volume: 5.000 ml

09/06/90 2010

OWAD -- CMS

09/07/90 Cip 9/27/90



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	158	7:54	1	1.000	A 88	37569.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	369	18:27	13	1.000	A 88	174240.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	464	23:12	36	1.000	A 88	146717.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	215	10:45	1	1.361	A 88	122603.	46.799 PPB	93.6	19	1,2-DICHLOROETHANE-D4
42	98	441	22:03	36	0.950	A 88	186797.	51.964 PPB	103.9	42	TOLUENE-D8
46	95	540	27:00	36	1.164	A 8V	142367.	50.641 PPB	101.3	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	7:54	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:30	3	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:12	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:45	0	1.361	1.00	46.80	50.00	3.263	3.487	0.94	19	1,2-DICHLOROETHANE-D4
42	22:06	3	0.953	1.00	51.96	50.00	1.273	1.225	1.04	42	TOLUENE-D8
46	27:00	0	1.164	1.00	50.64	50.00	0.970	0.958	1.01	46	BROMOFLUOROBENZENE

DOA050GHV (09/06/90 16:56) RFs loaded on OWAD 9/06/90 17:54:01

D120197V²

09/06/90 2010

OWAD -- CMS

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 5.000 ml

09/07/90 Cip 9/27/90

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
~~2~~	~~50~~	~~21~~	~~1.03~~	~~1~~	~~0.133~~	~~A BB~~	~~1446.~~	~~1.237 PPB~~	~~Cip~~	2	CHLOROMETHANE
3	NOT FOUND									3	BROMOMETHANE
4	62	43	2:09	1	0.272	A BB	62060.	59.338 PPB		4	VINYL CHLORIDE
5	NOT FOUND									5	CHLOROETHANE
6	84	94	4:42	1	0.595	A BB	1734.	1.554 PPB		6	METHYLENE CHLORIDE
7	~~43~~	~~119~~	~~5.57~~	~~1~~	~~0.753~~	~~A BV~~	~~14328.~~	~~10.017 PPB~~	~~15/~~	7	ACETONE
~~10~~	~~76~~	~~129~~	~~6.27~~	~~1~~	~~0.816~~	~~A BB~~	~~2878.~~	~~1.219 PPB~~	~~Cip~~	10	CARBON DISULFIDE
12	NOT FOUND									12	1,1-DICHLOROETHENE
14	NOT FOUND									14	1,1-DICHLOROETHANE
16	96	191	9:33	1	1.209	A BB	32970.	31.854 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	NOT FOUND									17	CHLOROFORM
18	NOT FOUND									18	1,2-DICHLOROETHANE
20	NOT FOUND									20	2-BUTANONE
22	NOT FOUND									22	1,1,1-TRICHLOROETHANE
23	NOT FOUND									23	CARBON TETRACHLORIDE
24	NOT FOUND									24	VINYL ACETATE
25	NOT FOUND									25	BROMODICHLOROMETHANE
26	NOT FOUND									26	1,2-DICHLOROPROPANE
27	75	319	15:57	13	0.864	A BB	434.	0.259 PPB		27	CIS-1,3-DICHLOROPROPENE
28	NOT FOUND									28	TRICHLOROETHENE
29	NOT FOUND									29	DIBROMOCHLOROMETHANE
31	NOT FOUND									31	1,1,2-TRICHLOROETHANE
32	78	318	15:54	13	0.862	A BB	22298.	6.590 PPB		32	BENZENE
33	NOT FOUND									33	TRANS-1,3-DICHLOROPROPENE
34	NOT FOUND									34	2-CHLOROETHYL VINYLETHER
35	NOT FOUND									35	BROMOFORM
37	NOT FOUND									37	4-METHYL-2-PENTANONE
38	43	421	21:03	36	0.907	A BB	287.	0.166 PPB		38	2-HEXANONE
39	NOT FOUND									39	1,1,2,2-TETRACHLOROETHANE
40	NOT FOUND									40	TETRACHLOROETHENE
43	92	444	22:12	36	0.957	A BB	725.	0.317 PPB		43	TOLUENE
44	NOT FOUND									44	CHLOROBENZENE
45	NOT FOUND									45	ETHYLBENZENE
47	NOT FOUND									47	STYRENE
48	106	568	28:24	36	1.224	A BB	336.	0.175 PPB		48	M-XYLENE
49	106	568	28:24	36	1.224	A BB	336.	0.187 PPB		49	O- & P-XYLENE
52	106	568	28:24	36	1.224	A*BB	672.	0.350 PPB		52	XYLENE (TOTAL)

D120197V 3

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS QWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 5.000 ml

09/06/90 2010

QWAD -- CMS

09/07/90 cip 9/27/90

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03	0	0.133	1.00	1.24	50.00	0.038	1.556	0.02	2	CHLOROMETHANE
3	1:45		0.222							3	BROMOMETHANE
4	2:12	3	0.278	0.98	59.34	50.00	1.652	1.392	1.19	4	VINYL CHLORIDE
5	3:00		0.380							5	CHLOROETHANE
6	4:42	0	0.595	1.00	1.55	50.00	0.046	1.485	0.03	6	METHYLENE CHLORIDE
7	5:42	-15	0.722	1.04	10.02	50.00	0.381	1.904	0.20	7	ACETONE
10	6:21	-6	0.804	1.02	1.22	50.00	0.077	3.141	0.02	10	CARBON DISULFIDE
12	7:39		0.968							12	1,1-DICHLOROETHENE
14	8:48		1.114							14	1,1-DICHLOROETHANE
16	9:36	3	1.215	0.99	31.85	100.00	0.439	1.378	0.32	16	1,2-DICHLOROETHENE (TOTAL)
17	10:00		1.266							17	CHLOROFORM
18	10:51		1.373							18	1,2-DICHLOROETHANE
20	11:06		1.405							20	2-BUTANONE
22	12:00		0.649							22	1,1,1-TRICHLOROETHANE
23	12:21		0.668							23	CARBON TETRACHLORIDE
24	12:57		0.700							24	VINYL ACETATE
25	12:54		0.697							25	BROMODICHLOROMETHANE
26	14:24		0.778							26	1,2-DICHLOROPROPANE
27	14:42	75*	0.795	1.09	0.26	50.00	0.002	0.481	0.01	27	CIS-1,3-DICHLOROPROPENE
28	15:18		0.827							28	TRICHLOROETHENE
29	15:42		0.849							29	DIBROMOCHLOROMETHANE
31	15:57		0.862							31	1,1,2-TRICHLOROETHANE
32	15:54	0	0.859	1.00	6.59	50.00	0.128	0.971	0.13	32	BENZENE
33	16:06		0.870							33	TRANS-1,3-DICHLOROPROPENE
34	17:09		0.932							34	2-CHLOROETHYL VINYLETHER
35	18:27		0.997							35	BROMOFORM
37	20:30		0.884							37	4-METHYL-2-PENTANONE
38	20:30	33*	0.884	1.03	0.17	50.00	0.002	0.588	0.00	38	2-HEXANONE
39	20:42		0.892							39	1,1,2,2-TETRACHLOROETHANE
40	20:51		0.899							40	TETRACHLOROETHENE
43	22:18	6	0.961	1.00	0.32	50.00	0.005	0.780	0.01	43	TOLUENE
44	23:21		1.006							44	CHLOROBENZENE
45	25:09		1.084							45	ETHYLBENZENE
47	28:12		1.216							47	STYRENE
48	28:27	3	1.226	1.00	0.18	50.00	0.002	0.654	0.00	48	M-XYLENE
49	29:06	42*	1.254	0.98	0.19	50.00	0.002	0.614	0.00	49	O- & P-XYLENE
52	28:27	3	1.226	1.00	0.35	50.00	0.005	0.654	0.01	52	XYLENE (TOTAL)

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

Volume: 5.000 ml

D120197V²¹

09/06/90 2010

OWAD -- CMS

Submitted by: NEWYRK

09/07/90 Cip 9/27/90

Summary of Tentatively Identified Compounds

Rank	Scan	Dec. Time	En.RIC Height	Est. Amount	Ref	Name
~~1~~	~~7~~	~~0.35~~	~~789503.~~	~~860.9~~	~~1~~	~~UNKNOWN~~ <i>CO₂</i>
ISTD	158	7.90	45856.	50.0	1	BROMOCHLOROMETHANE
<i>1634-04-42</i>	239	11.95	8783.	9.6	1	~~UNKNOWN~~ <i>propane, 2-methoxy-2-methyl-</i>
~~3~~	~~319~~	~~15.95~~	~~8863.~~	~~8.1~~	~~13~~	~~UNKNOWN~~ <i>TU #32</i>
ISTD	369	18.45	54796.	50.0	13	1,4-DIFLUOROBENZENE
ISTD	464	23.20	70221.	50.0	36	CHLOROBENZENE-D5

*1 TIC for reporting
cip*

PROCEDURE: TCA
 DATA FILE: D120197V
 REFERENCE: JTAB11
 NAME LIST: UM
 REPORT: UMRET1

DIAGNOSTIC REPORT

09/07/90 Cip 9/27/90
 9/06/90 20:34:07

DDAO50AHV (09/05/90 5:44) Calib. loaded on QWAD 9/05/90 6:52:18

< --- STANDARDS --- >				< --- PLUS UNKNOWN --- >				< --- LIST NAMES --- >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	6	1	182	UMRET1/UMUNK1	
2	2	1	0	14	5	1	48	UMRET2/UMUNK2	
2	2	1	0	13	4	1	1532	UMRET2/UMUNK3	
2	1	1	0	9	5	1	281	UMRET3/UMUNK4	
1	1	1	0	8	5	4	306	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 19 FOUND

< COMPOUND >			SEARCH					< SAT >		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-160	158	158		1	993		128	158		1
2	UM	2	-21	20	21	1	1	996		50	21		1
3	UM	3	-35	34						94			
4	UM	4	-45	44	43	-1	1	1000		62	43		1
5	UM	5	-63	61						64			
6	UM	6	-98	96	94	-2	1	998		84	94		1
7	UM	7	-119	116	119	3	1	999		43	119		1
8	UM	8	-121	118						56			
9	UM	9	-133	130						53			
10	UM	10	-133	129	129		1	998		76	129		1
11	UM	11	-142	139						101			
12	UM	12	-158	154						96			
13	UM	53	-147	143						45	143		1
14	UM	13	-375	369	369		1	989		114	369		1
15	UM	51	-166	161	161		1	978		55	162		1
16	UM	14	-181	176						63			
17	UM	15	-184	179						71			
18	UM	16	-197	192	191	-1	1	996		96	191		1
19	UM	17	-205	200						83			
20	UM	18	-222	217						62			
21	UM	19	-220	215	215		1	995		65	215		1
22	UM	20	-227	222						72			
23	UM	21	-214	209						101			
24	UM	22	-245	240						97			
25	UM	23	-252	246						117			
26	UM	24	-263	257						43			
27	UM	25	-263	264						83			
28	UM	26	-293	294						63			
29	UM	27	-299	300	319	19	1	985		75	319		1
30	UM	28	-311	312						130			
31	UM	29	-319	320						129			
32	UM	30	-370	372						98			
33	UM	31	-324	325						97			
34	UM	32	-323	324	319	-5	1	997		78	318	-1	1
35	UM	33	-326	328						75			
36	UM	34	-351	353						63			
37	UM	35	-373	375						173			
38	UM	36	-470	462						117	464		1
39	UM	37	-404	397						43			
40	UM	38	-434	426	422	-4	1	990		43	421	-1	1
41	UM	39	-419	411						83			
42	UM	40	-423	415						164			
43	UM	41	-457	449						56			
44	UM	42	-447	439	441	2	1	994		98	441		1
45	UM	43	-451	443	444	1	1	924		72	444		1
46	UM	44	-472	460						112			
47	UM	45	-508	495						106			
48	UM	46	-547	533	540	7	1	998		95	540		1
49	UM	47	-573	558	556	-2	4	961		104			
50	UM	48	-577	562	569	7	1	973		106	568	-1	1
51	UM	49	-592	577	567	-10	1	982		106	568	1	1
52	UM	50	-659	642						146			

000203

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

Volume: 5.000 ml

D120197V 7

09/06/90 2010

OWAD -- CMS

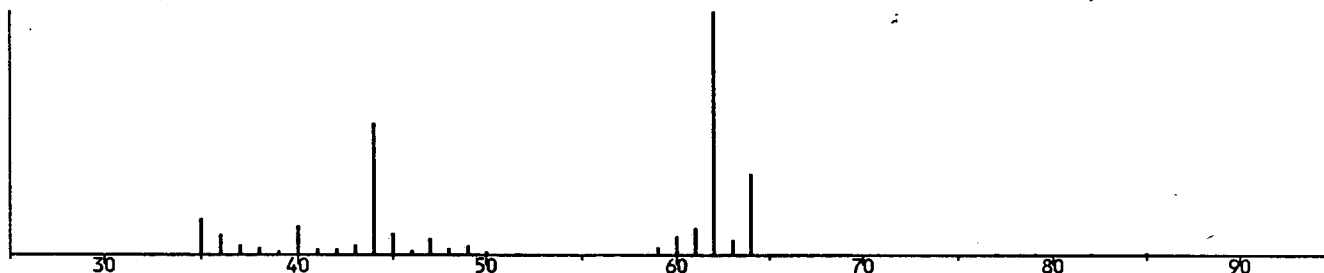
Submitted by: NEWYRK

09/07/90 cip 9/27/90

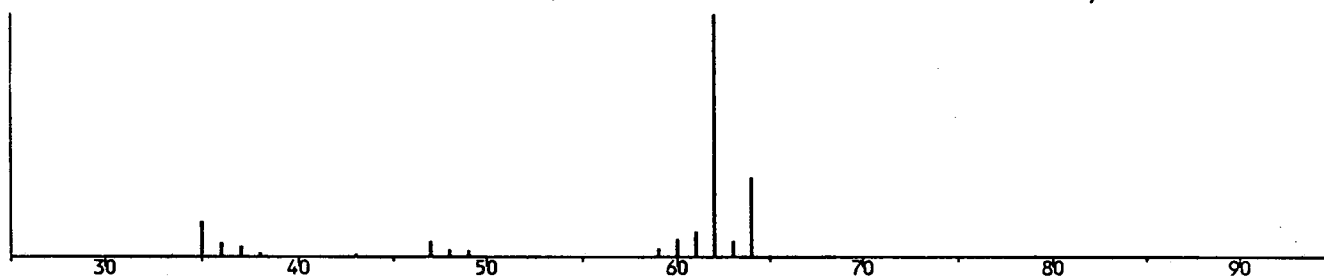
LIBRARYUM#4

VINYL CHLORIDE

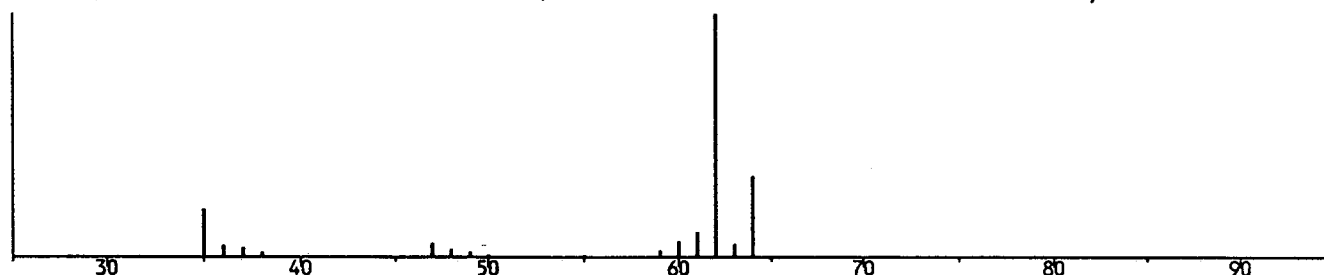
Unenhanced spectrum -- Scan # 43 Base m/z: 62 --- RIC: 27904. Max intensity: 9440



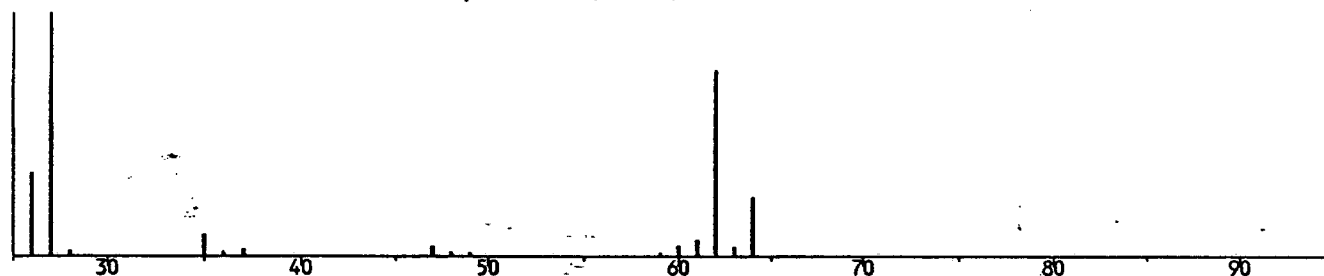
Enhanced (S 15B 2N OT) -- Scan # 43 Base m/z: 62 --- RIC: 16704. Max intensity: 8384



Enhanced DOA050GHV -- Scan # 44 Base m/z: 62 --- RIC: 15056. Max intensity: 7424



LIBRARYUM#4 CAS: 75-01-4 ETHENE, CHLORO- (C2H3Cl)



Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OMAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 5.000 ml

D120197V⁸

09/06/90 2010

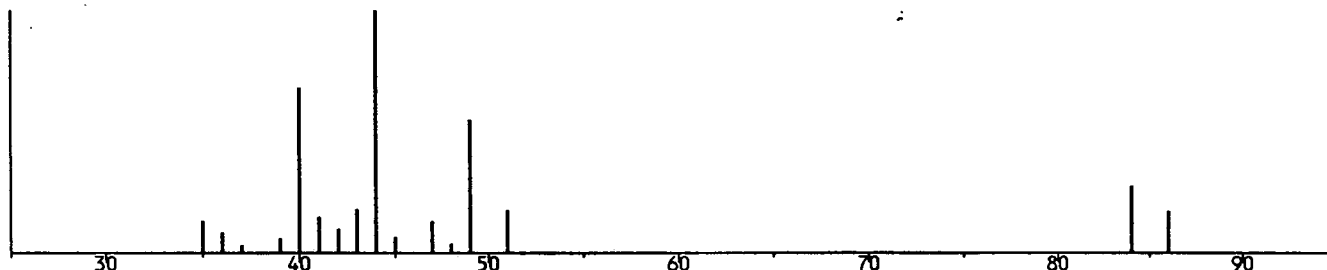
OMAD -- CMS

09/07/90 cip 9/27/90

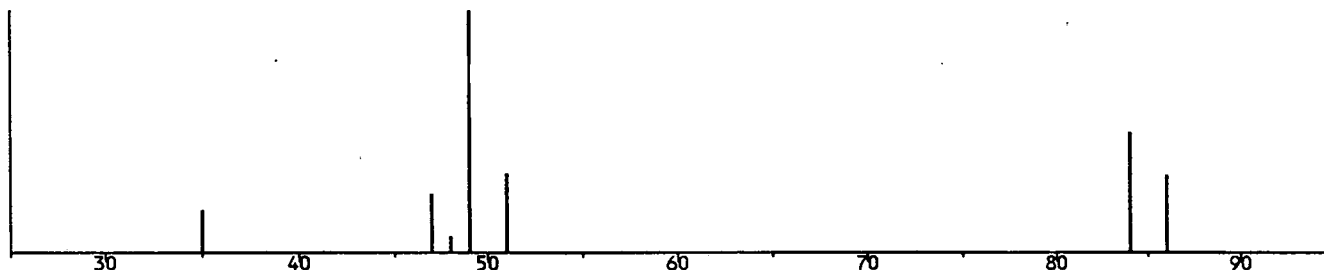
LIBRARYUM#6

METHYLENE CHLORIDE

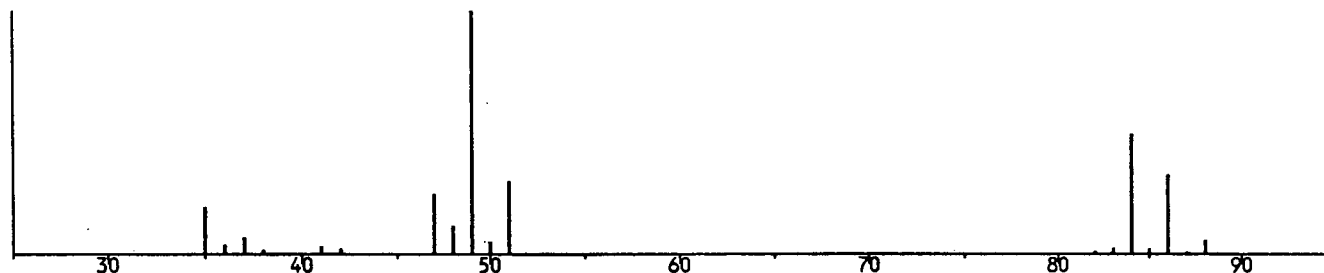
Unenhanced spectrum -- Scan # 94 Base m/z: 44 --- RIC: 4896. Max intensity: 1302



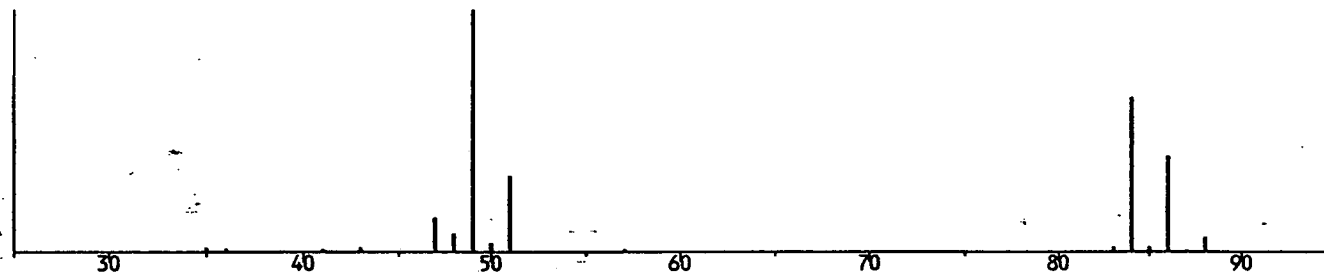
Enhanced (S 158 2N 0T) -- Scan # 94 Base m/z: 49 --- RIC: 1768. Max intensity: 674



Enhanced DOA050GHV -- Scan # 94 Base m/z: 49 --- RIC: 73728. Max intensity: 24416



LIBRARYUM#6 CAS: 75-09-2 METHANE, DICHLORO- (CH₂Cl₂)



Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

Volume: 5.000 ml

D120197V¹²

09/06/90 2010

OWAD -- CMS

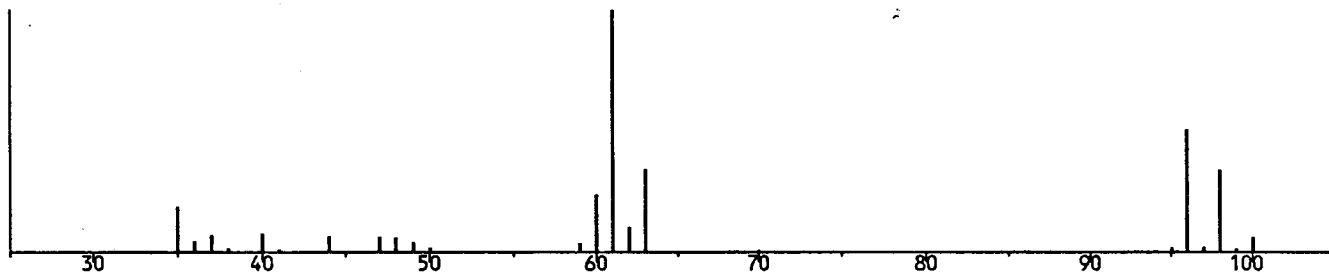
Submitted by: NEWYRK

09/07/90 cap 9/27/90

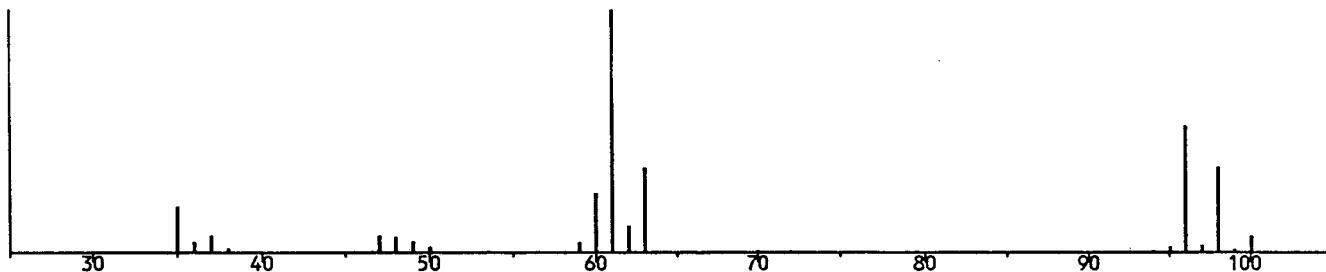
LIBRARYUM#16

1,2-DICHLOROETHENE (TOTAL)

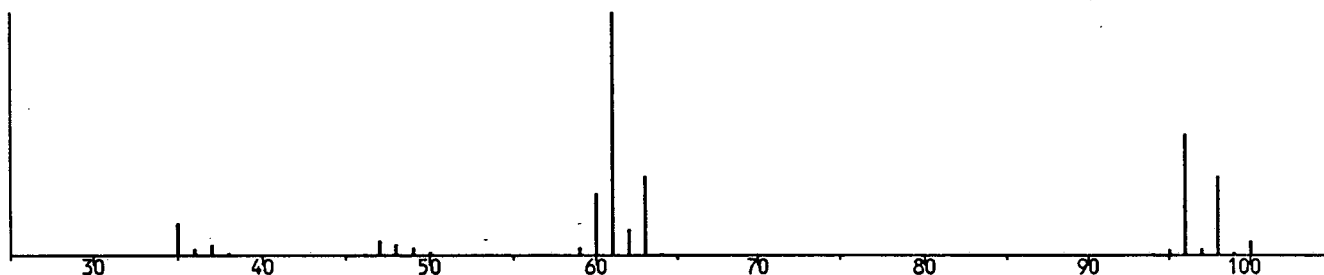
Unenhanced spectrum -- Scan # 191 Base m/z: 61 --- RIC: 32096. Max intensity: 9584



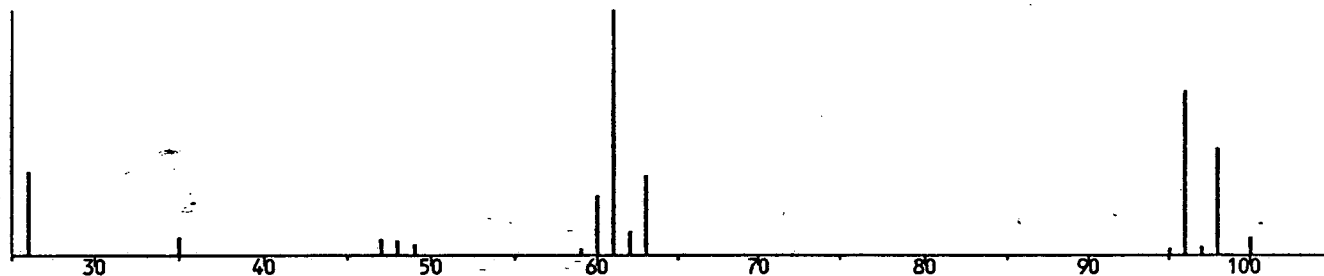
Enhanced (S 15B 2N OT) -- Scan # 191 Base m/z: 61 --- RIC: 27872. Max intensity: 8656



Enhanced DOA050GHV -- Scan # 192 Base m/z: 61 --- RIC: 119808. Max intensity: 39680



LIBRARYUM#16 CAS: 156-60-5 ETHENE, 1,2-DICHLORO-, (E)- (C2H2Cl2)



D120197V¹⁴

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 5.000 ml

09/06/90 2010

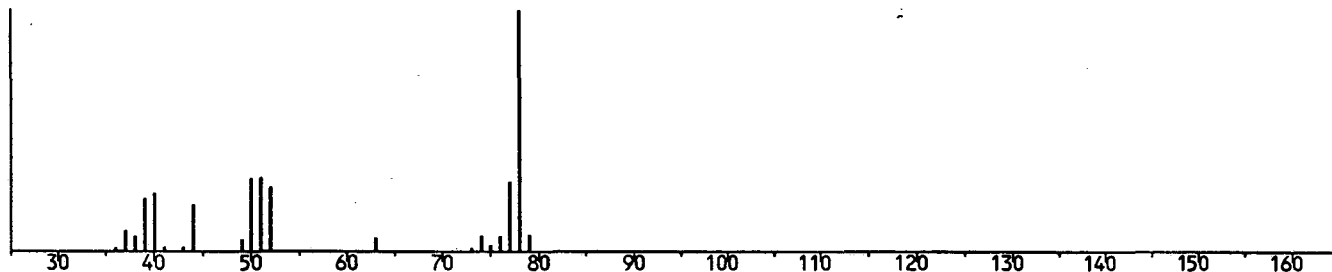
OWAD -- CMS

09/07/90 Cip 9/27/90

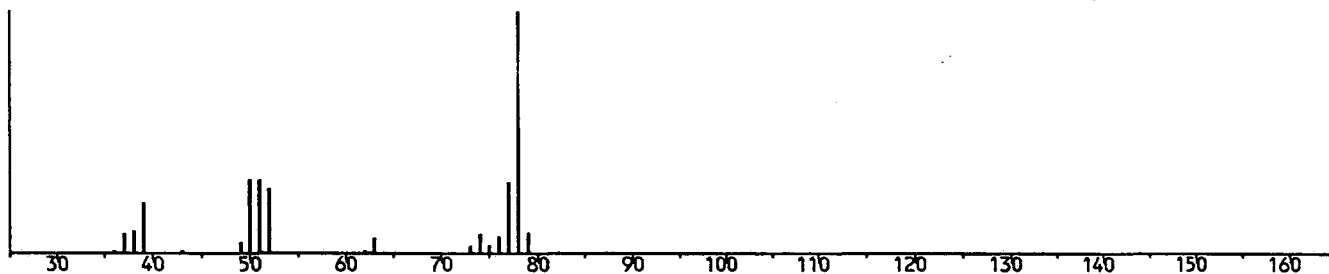
LIBRARYUM#32

BENZENE

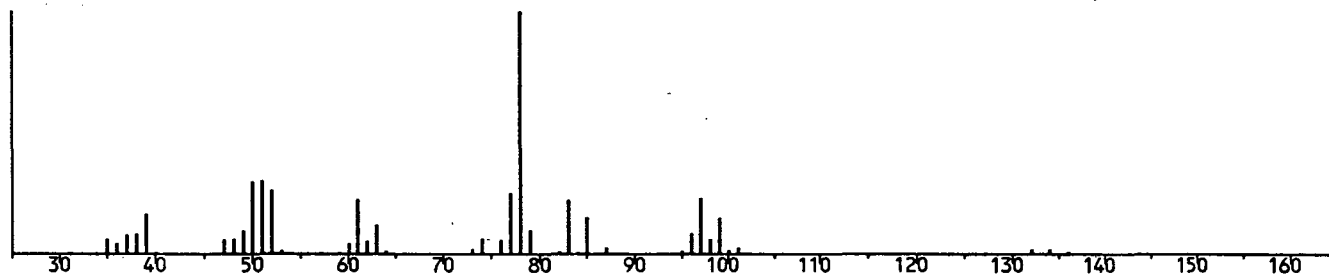
Unenhanced spectrum -- Scan # 318 Base m/z: 78 --- RIC: 10736. Max intensity: 3204



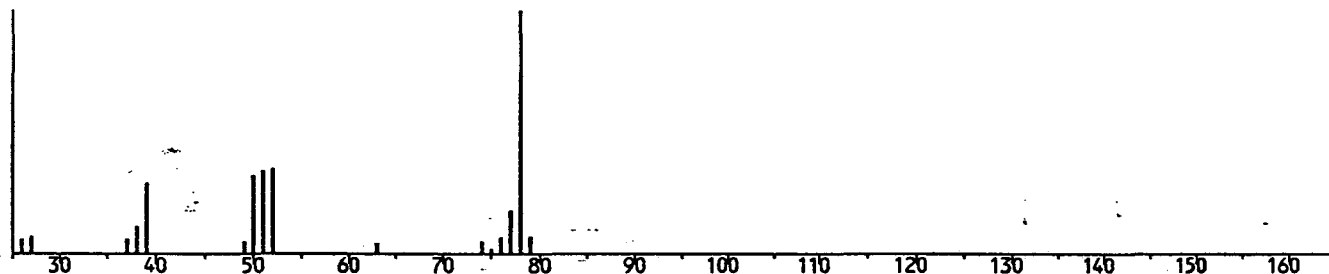
Enhanced (S 158 2N OT) -- Scan # 318 Base m/z: 78 --- RIC: 8992. Max intensity: 3040



Enhanced DOA050GHV -- Scan # 318 Base m/z: 78 --- RIC: 168192. Max intensity: 36928



LIBRARYUM#32 CAS: 71-43-2 BENZENE (ACN)(DOT) (C6H6)



Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

Volume: 5.000 ml

D120197V₅

09/06/90 2010

OWAD -- CMS

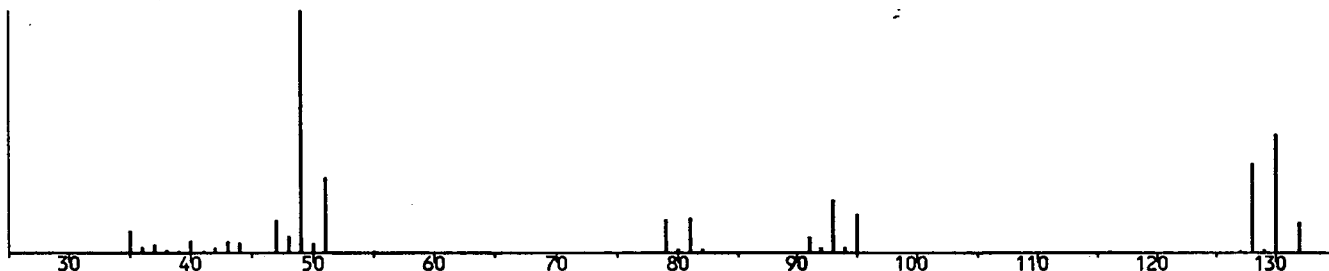
Submitted by: NEWYRK

09/07/90 Cp 9/27/90

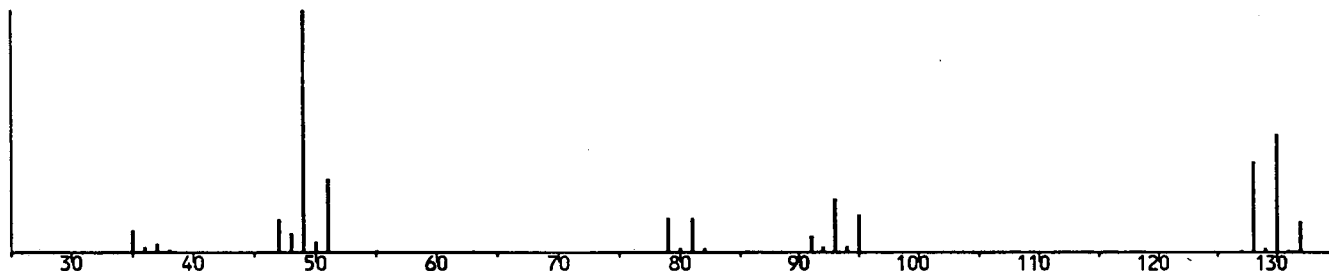
LIBRARYUM#1

BROMOCHLOROMETHANE

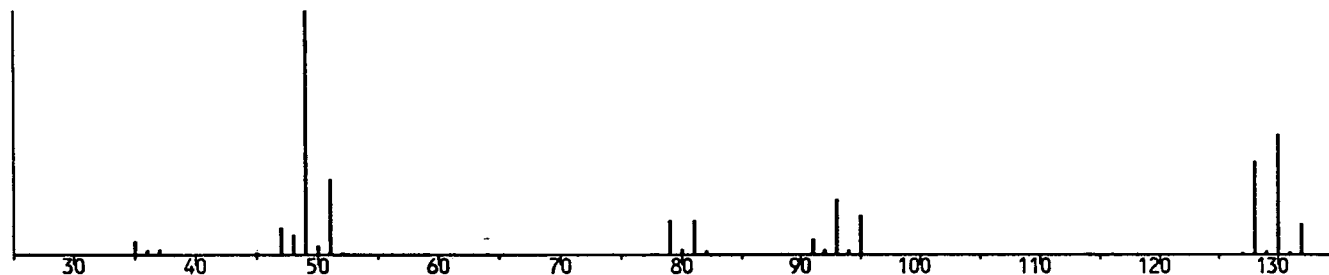
Unenhanced spectrum -- Scan # 158 Base m/z: 49 --- RIC: 57856. Max intensity: 15536



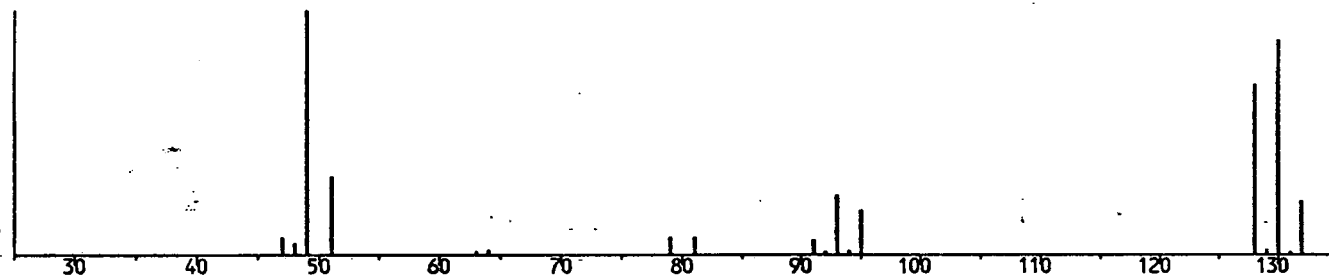
Enhanced (S 15B 2N 0T) -- Scan # 158 Base m/z: 49 --- RIC: 51072. Max intensity: 14336



Enhanced DOA050GHV -- Scan # 158 Base m/z: 49 --- RIC: 68096. Max intensity: 19392



LIBRARYUM#1 CAS: 74-97-5 METHANE, BROMOCHLORO- (CH₂ClBr)



Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS OWAD

Method: CLP.VOL Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840

Volume: 5.000 ml

D120197V₁₉

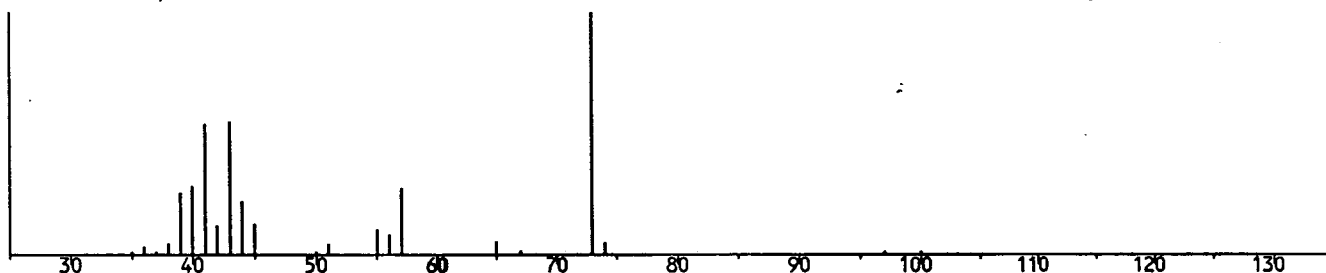
09/06/90 2010

OWAD -- CMS

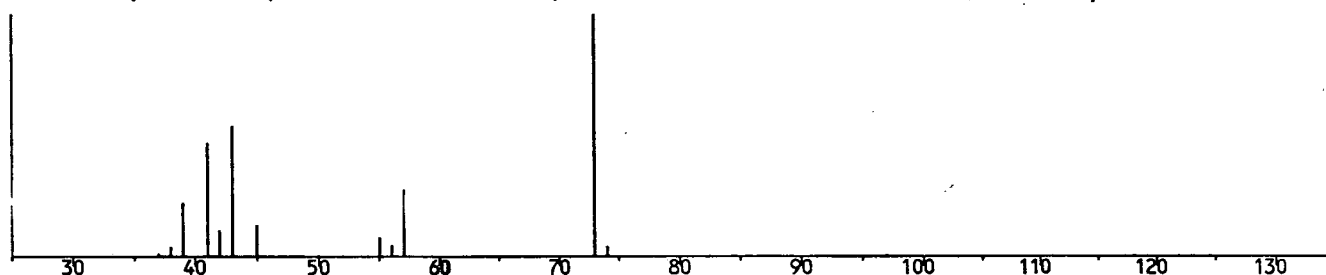
Submitted by: NEWYRK

09/07/90 Cip 9/27/90

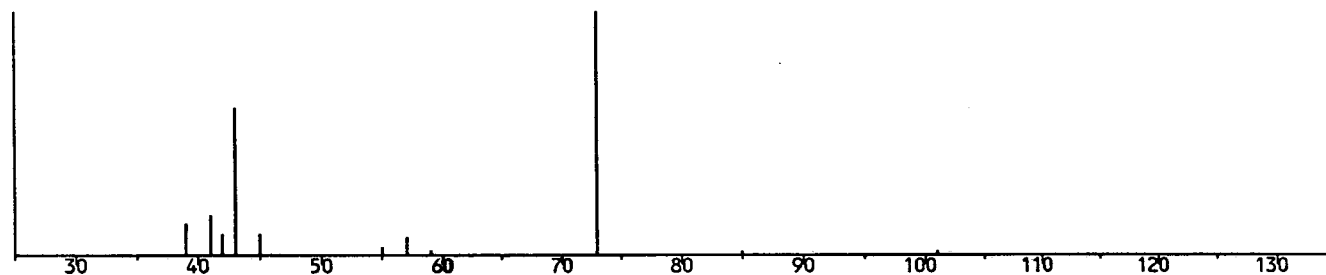
Unenhanced spectrum -- Scan # 239 Base m/z: 73 --- RIC: 11760. Max intensity: 3080



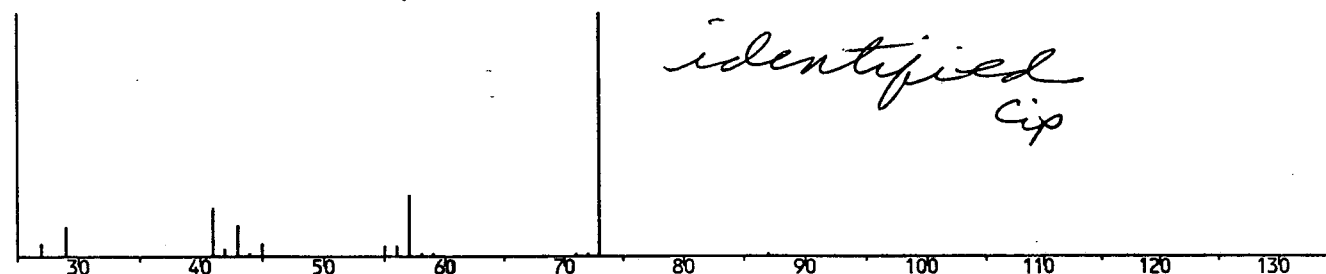
Enhanced (S 15B 2N OT) -- Scan # 239 Base m/z: 73 --- RIC: 8783 Max intensity: 2944



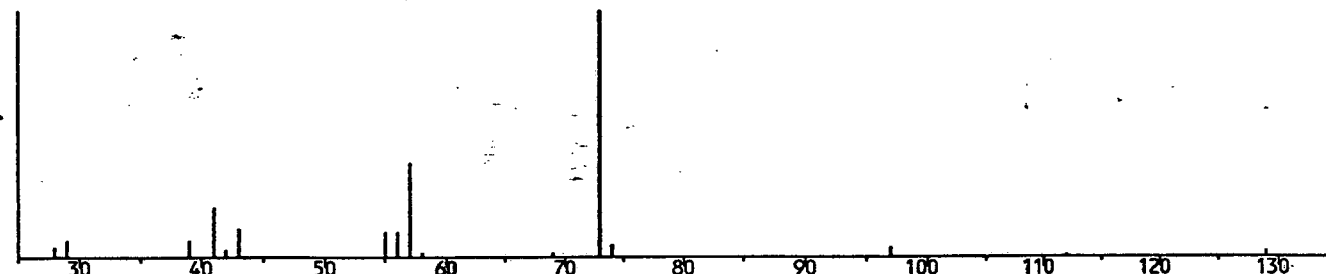
NB# 2718 CAS:36687-98-6 2-BUTANONE, 3-METHOXY-3-METHYL- (C6H12O2) PURITY:873 FIT:922 RFIT:900



NB# 770 CAS: 1634-04-4 PROPANE, 2-METHOXY-2-METHYL- (C5H12O) PURITY:826 FIT:908 RFIT:856



NB# 6652 CAS:62108-41-2 PENTANE, 2-METHOXY-2,4,4-TRIMETHYL- (C9H20O) PURITY:820 FIT:862 RFIT:864



**VOLATILE ORGANIC ANALYSIS
STANDARDS DATA PACKAGE**



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL 802/656-1074

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: OWAD

Calibration Date(s): 09/04/90

09/05/90

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

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

LAB FILE ID:		RRF20 =DOA020HV		RRF50 =DOA050HV				
RRF100=DOA100HV		RRF150=DOA150HV		RRF200=DOA200HV				
COMPOUND		RRF20	RRF50	RRF100	RRF150	RRF200	RRF	% RSD
=====		=====	=====	=====	=====	=====	=====	=====
Chloromethane	#	1.535	1.373	1.341	1.333	1.260	1.369	7.4#
Bromomethane		1.408	1.325	1.242	1.199	.925	1.220	15.0
Vinyl Chloride	*	1.408	1.308	1.273	1.272	1.184	1.289	6.3*
Chloroethane		.864	.867	.794	.798	.709	.806	8.0
Methylene Chloride		1.681	1.554	1.413	1.389	1.226	1.453	11.9
Acetone		2.704	2.352	1.884	1.927	1.773	2.128	18.3
Carbon Disulfide		3.219	3.559	3.546	3.612	3.228	3.433	5.6
1,1-Dichloroethene	*	1.154	1.251	1.192	1.191	1.069	1.171	5.7*
1,1-Dichloroethane	#	2.794	3.138	3.036	3.040	2.693	2.940	6.4#
1,2-Dichloroethene (total)		1.369	1.500	1.430	1.418	1.281	1.400	5.8
Chloroform	*	3.570	3.936	3.775	3.800	3.449	3.706	5.2*
1,2-Dichloroethane		3.101	3.425	3.266	3.298	2.996	3.217	5.3
2-Butanone		.412	.362	.305	.326	.302	.341	13.5
1,1,1-Trichloroethane		.626	.694	.669	.680	.579	.650	7.2
Carbon Tetrachloride		.628	1.499	.695	.713	.615	.830	45.3
Vinyl Acetate		.873	.947	.961	1.058	.934	.955	7.0
Bromodichloromethane		.669	.789	.779	.797	.679	.743	8.5
1,2-Dichloropropane	*	.415	.448	.434	.440	.377	.423	6.7*
cis-1,3-Dichloropropene		.494	.566	.587	.603	.526	.555	8.0
Trichloroethene		.414	.443	.414	.418	.361	.410	7.3
Dibromochloromethane		.491	.586	.592	.621	.536	.565	9.1
1,1,2-Trichloroethane		.389	.420	.402	.404	.350	.393	6.7
Benzene		.948	1.039	.987	1.006	.872	.971	6.6
trans-1,3-Dichloropropene		.483	.538	.579	.614	.557	.554	8.8
Bromoform	#	.367	.471	.464	.491	.420	.443	11.2#
4-Methyl-2-Pentanone		.873	1.045	.928	1.015	.891	.950	8.0
2-Hexanone		.310	.303	.341	.474	.494	.384	24.0
Tetrachloroethene		.486	.516	.474	.473	.406	.471	8.6
1,1,2,2-Tetrachloroethane	#	.892	1.030	.913	.937	.795	.914	9.3#
Toluene	*	.822	.875	.824	.832	.721	.815	7.0*
Chlorobenzene	#	1.059	1.151	1.068	1.068	.920	1.053	7.9#
Ethylbenzene	*	.489	.529	.485	.492	.425	.484	7.7*
Styrene		.990	1.110	1.005	1.028	.889	1.004	7.9
Xylene (total)		.659	.678	.650	.660	.541	.638	8.6
=====		=====	=====	=====	=====	=====	=====	=====
Toluene-d8		1.246	1.377	1.226	1.246	1.127	1.245	7.2
Bromofluorobenzene		.992	1.075	.908	.924	.834	.947	9.7
1,2-Dichloroethane-d4		3.116	3.435	3.115	3.147	2.945	3.152	5.6

FORM VI VOA

1/87 Rev.

000210

DOA200HV₁

09/04/90 2235

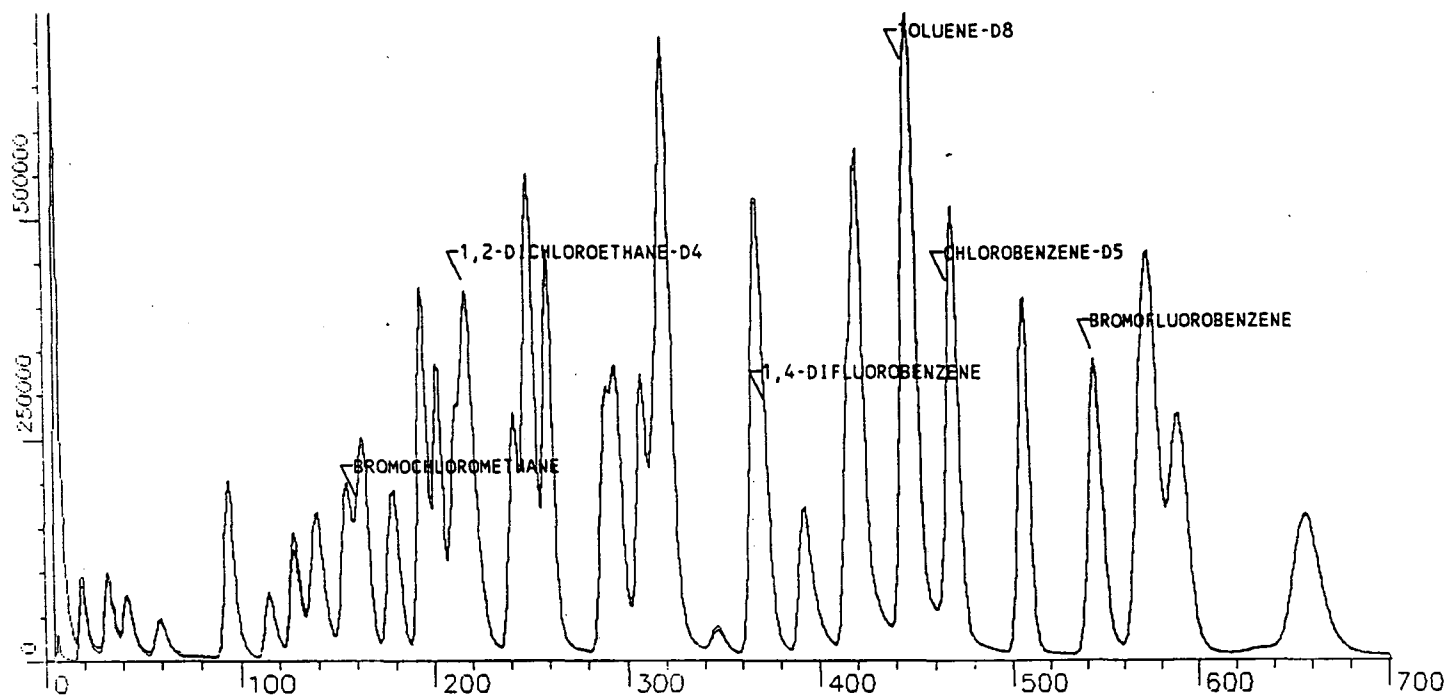
OWAD -- CMS

Sample: VSTD200 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	160	8:00	1	1.000	A 88	42956.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	373	18:39	13	1.000	A 88	207902.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	468	23:24	36	1.000	A 88	178144.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	217	10:51	1	1.356	A 88	506083.	200.000 PPB	400.0	19	1,2-DICHLOROETHANE-D4
42	98	446	22:18	36	0.953	A 88	803304.	200.000 PPB	400.0	42	TOLUENE-D8
46	95	545	27:15	36	1.165	A 88	594153.	200.000 PPB	400.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	8:00	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:39	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:24	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:51	0	1.356	1.00	200.00	200.00	2.945	2.945	1.00	19	1,2-DICHLOROETHANE-D4
42	22:18	0	0.953	1.00	200.00	200.00	1.127	1.127	1.00	42	TOLUENE-D8
46	27:15	0	1.165	1.00	200.00	200.00	0.834	0.834	1.00	46	BROMOFLUOROBENZENE

DOA200HV (09/04/90 22:35) RFs loaded on MSDP2 9/26/90 7:57:19

DOA200HV₂

09/04/90 2235

OWAD -- CMS

Sample: VSTD200 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	19	0:57	1	0.119	A BB	216545.	200.000 PPB		2	CHLOROMETHANE
3	94	33	1:39	1	0.206	A BB	158927.	200.000 PPB		3	BROMOMETHANE
4	62	43	2:09	1	0.269	A BB	203358.	200.000 PPB		4	VINYL CHLORIDE
5	64	60	3:00	1	0.375	A VB	121868.	200.000 PPB		5	CHLOROETHANE
6	84	95	4:45	1	0.594	A BB	210634.	200.000 PPB		6	METHYLENE CHLORIDE
7	43	115	5:45	1	0.719	A BB	304721.	200.000 PPB		7	ACETONE
8	56	116	5:48	1	0.725	A BB	39192.	200.000 PPB		8	ACROLEIN
9	53	128	6:24	1	0.800	A VB	72447.	200.000 PPB		9	ACRYLONITRILE
10	76	128	6:24	1	0.800	A BB	554583.	200.000 PPB		10	CARBON DISULFIDE
11	101	139	6:57	1	0.869	A BB	452271.	200.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	155	7:45	1	0.969	A BV	183754.	200.000 PPB		12	1,1-DICHLOROETHENE
14	63	178	8:54	1	1.112	A BV	462772.	200.000 PPB		14	1,1-DICHLOROETHANE
15	71	181	9:03	1	1.131	A BB	34911.	200.000 PPB		15	TETRAHYDROFURAN
16	96	194	9:42	1	1.212	A BB	440323.	400.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	202	10:06	1	1.262	A BB	592603.	200.000 PPB		17	CHLOROFORM
18	62	219	10:57	1	1.369	A BB	514769.	200.000 PPB		18	1,2-DICHLOROETHANE
20	72	224	11:12	1	1.400	A BB	51938.	200.000 PPB		20	2-BUTANONE
21	101	212	10:36	13	0.568	A BB	364758.	200.000 PPB		21	FREON TF
22	97	242	12:06	13	0.649	A BB	481100.	200.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	250	12:30	13	0.670	A BB	511131.	200.000 PPB		23	CARBON TETRACHLORIDE
24	43	261	13:03	13	0.700	A BB	776367.	200.000 PPB		24	VINYL ACETATE
25	83	260	13:00	13	0.697	A BB	564631.	200.000 PPB		25	BROMODICHLOROMETHANE
26	63	290	14:30	13	0.777	A BB	313794.	200.000 PPB		26	1,2-DICHLOROPROPANE
27	75	295	14:45	13	0.791	A BB	437534.	200.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	308	15:24	13	0.826	A BB	300159.	200.000 PPB		28	TRICHLOROETHENE
29	129	315	15:45	13	0.845	A BB	445770.	200.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	367	18:21	13	0.984	A BB	160966.	200.000 PPB		30	METHYLCYCLOHEXANE
31	97	320	16:00	13	0.858	A VB	291094.	200.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	321	16:03	13	0.861	A BB	725299.	200.000 PPB		32	BENZENE
33	75	322	16:06	13	0.863	A BB	148725.	64.200 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	63	347	17:21	13	0.930	A BB	33882.	200.000 PPB		34	2-CHLOROETHYL VINYLETHYR
35	173	369	18:27	13	0.989	A BB	349550.	200.000 PPB		35	BROMOFORM
37	43	393	19:39	36	0.840	A BB	635145.	200.000 PPB		37	4-METHYL-2-PENTANONE
38	43	424	21:12	36	0.906	A BB	351755.	200.000 PPB		38	2-HEXANONE
39	83	416	20:48	36	0.889	A BB	566582.	200.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	421	21:03	36	0.900	A BB	289303.	200.000 PPB		40	TETRACHLOROETHENE
41	56	447	22:21	36	0.955	A BV	211597.	200.000 PPB		41	BUTYL ACETATE
43	92	449	22:27	36	0.959	A BB	513562.	200.000 PPB		43	TOLUENE
44	112	470	23:30	36	1.004	A BB	655828.	200.000 PPB		44	CHLOROBENZENE
45	106	507	25:21	36	1.083	A BB	302865.	200.000 PPB		45	ETHYLBENZENE
47	104	570	28:30	36	1.218	A BB	633308.	200.000 PPB		47	STYRENE
48	106	575	28:45	36	1.229	A BV	385358.	200.000 PPB		48	M-XYLENE
49	106	589	29:27	36	1.259	A VB	392177.	200.000 PPB		49	O- & P-XYLENE
50	146	656	32:48	36	1.402	A BB	519642.	200.000 PPB		50	O-DICHLOROBENZENE
51	55	164	8:12	1	1.025	A BB	189086.	200.000 PPB		51	CYCLOPENTANE
52	106	575	28:45	36	1.229	A BV	385358.	200.000 PPB		52	XYLENE (TOTAL)
53	45	143	7:09	1	0.894	A BB	78041.	200.000 PPB		53	2-PROPANOL

Sample: VSTD200 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	0:57	0	0.119	1.00	200.00	200.00	1.260	1.260	1.00	2	CHLOROMETHANE
3	1:39	0	0.206	1.00	200.00	200.00	0.925	0.925	1.00	3	BROMOMETHANE
4	2:09	0	0.269	1.00	200.00	200.00	1.184	1.184	1.00	4	VINYL CHLORIDE
5	3:00	0	0.375	1.00	200.00	200.00	0.709	0.709	1.00	5	CHLOROETHANE
6	4:45	0	0.594	1.00	200.00	200.00	1.226	1.226	1.00	6	METHYLENE CHLORIDE
7	5:45	0	0.719	1.00	200.00	200.00	1.773	1.773	1.00	7	ACETONE
8	5:48	0	0.725	1.00	200.00	200.00	0.228	0.228	1.00	8	ACROLEIN
9	6:24	0	0.800	1.00	200.00	200.00	0.422	0.422	1.00	9	ACRYLONITRILE
10	6:24	0	0.800	1.00	200.00	200.00	3.228	3.228	1.00	10	CARBON DISULFIDE
11	6:57	0	0.869	1.00	200.00	200.00	2.632	2.632	1.00	11	TRICHLOROFLUOROMETHANE
12	7:45	0	0.969	1.00	200.00	200.00	1.069	1.069	1.00	12	1,1-DICHLOROETHENE
14	8:54	0	1.112	1.00	200.00	200.00	2.693	2.693	1.00	14	1,1-DICHLOROETHANE
15	9:03	0	1.131	1.00	200.00	200.00	0.203	0.203	1.00	15	TETRAHYDROFURAN
16	9:42	0	1.212	1.00	400.00	400.00	1.281	1.281	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	10:06	0	1.262	1.00	200.00	200.00	3.449	3.449	1.00	17	CHLOROFORM
18	10:57	0	1.369	1.00	200.00	200.00	2.996	2.996	1.00	18	1,2-DICHLOROETHANE
20	11:12	0	1.400	1.00	200.00	200.00	0.302	0.302	1.00	20	2-BUTANONE
21	10:36	0	0.568	1.00	200.00	200.00	0.439	0.439	1.00	21	FREON TF
22	12:06	0	0.649	1.00	200.00	200.00	0.579	0.579	1.00	22	1,1,1-TRICHLOROETHANE
23	12:30	0	0.670	1.00	200.00	200.00	0.615	0.615	1.00	23	CARBON TETRACHLORIDE
24	13:03	0	0.700	1.00	200.00	200.00	0.934	0.934	1.00	24	VINYL ACETATE
25	13:00	0	0.697	1.00	200.00	200.00	0.679	0.679	1.00	25	BROMODICHLOROMETHANE
26	14:30	0	0.777	1.00	200.00	200.00	0.377	0.377	1.00	26	1,2-DICHLOROPROPANE
27	14:45	0	0.791	1.00	200.00	200.00	0.526	0.526	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:24	0	0.826	1.00	200.00	200.00	0.361	0.361	1.00	28	TRICHLOROETHENE
29	15:45	0	0.845	1.00	200.00	200.00	0.536	0.536	1.00	29	DIBROMOCHLOROMETHANE
30	18:21	0	0.984	1.00	200.00	200.00	0.194	0.194	1.00	30	METHYLCYCLOHEXANE
31	16:00	0	0.858	1.00	200.00	200.00	0.350	0.350	1.00	31	1,1,2-TRICHLOROETHANE
32	16:03	0	0.861	1.00	200.00	200.00	0.872	0.872	1.00	32	BENZENE
33	16:06	0	0.863	1.00	64.20	64.20	0.557	0.557	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	17:21	0	0.930	1.00	200.00	200.00	0.041	0.041	1.00	34	2-CHLOROETHYL VINYLETHER
35	18:27	0	0.989	1.00	200.00	200.00	0.420	0.420	1.00	35	BROMOFORM
37	19:39	0	0.840	1.00	200.00	200.00	0.891	0.891	1.00	37	4-METHYL-2-PENTANONE
38	21:12	0	0.906	1.00	200.00	200.00	0.494	0.494	1.00	38	2-HEXANONE
39	20:48	0	0.889	1.00	200.00	200.00	0.795	0.795	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	21:03	0	0.900	1.00	200.00	200.00	0.406	0.406	1.00	40	TETRACHLOROETHENE
41	22:21	0	0.955	1.00	200.00	200.00	0.297	0.297	1.00	41	BUTYL ACETATE
43	22:27	0	0.959	1.00	200.00	200.00	0.721	0.721	1.00	43	TOLUENE
44	23:30	0	1.004	1.00	200.00	200.00	0.920	0.920	1.00	44	CHLOROBENZENE
45	25:21	0	1.083	1.00	200.00	200.00	0.425	0.425	1.00	45	ETHYLBENZENE
47	28:30	0	1.218	1.00	200.00	200.00	0.889	0.889	1.00	47	STYRENE
48	28:45	0	1.229	1.00	200.00	200.00	0.541	0.541	1.00	48	M-XYLENE
49	29:27	0	1.259	1.00	200.00	200.00	0.550	0.550	1.00	49	O- & P-XYLENE
50	32:48	0	1.402	1.00	200.00	200.00	0.729	0.729	1.00	50	O-DICHLOROBENZENE
51	8:12	0	1.025	1.00	200.00	200.00	1.100	1.100	1.00	51	CYCLOPENTANE
52	28:45	0	1.229	1.00	200.00	200.00	0.541	0.541	1.00	52	XYLENE (TOTAL)
53	7:09	0	0.894	1.00	200.00	200.00	0.454	0.454	1.00	53	2-PROPANOL

PROCEDURE: TCA
DATA FILE: DOA200HV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/04/90 23:23:02

DNY050DHV (09/02/90 10:21) Calib. loaded on DWAD 9/02/90 15:11:18

< --- STANDARDS --- >				< --- PLUS UNKNOWN --- >				< --- LIST NAMES --- >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	12	2	146	UMRET1/UMUNK1	
1	1	1	0	14	14	3	70	UMRET2/UMUNK2	
1	1	1	0	13	13	15	128	UMRET2/UMUNK3	
1	1	1	0	9	9	1	370	UMRET3/UMUNK4	
1	1	1	0	8	8	2	333	UMRET4/UMUNK5	

32 COMPOUNDS PROCESSED, 51 FOUND

< COMPOUND >			SEARCH					< SAT >		< CHRO >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-165	160	160			999		128	160		
2	UM	2	-180	18	19			999		50	140		
3	UM	3	-180	32	33			999		94	140		
4	UM	4	-145	43	43			1000		62	140		
5	UM	5	-160	60	60			999		64	140		
6	UM	6	-101	97	95	-2		999		84	140		
7	UM	7	-111	116	115	-1		999		43	140		
8	UM	8	-111	119	116	-3		999		56	140		
9	UM	9	-111	131				1000		53	140		
10	UM	10	-113	129	128	-1		999		76	140		
11	UM	11	-144	138	140	2		999		101	140	-1	
12	UM	12	-160	154	155	1		999		96	140		
13	UM	13	-149	143	143			999		45	140		
14	UM	14	-379	373	373			999		114	140		
15	UM	15	-160	163	164	1		999		55	140		
16	UM	16	-180	178	178			999		63	140		
17	UM	17	-187	182	182			999		71	140	-1	
18	UM	18	-199	194	194			1000		96	140		
19	UM	19	-207	202	203	1		999		83	140	-1	
20	UM	20	-225	220	219	-1		999		62	140		
21	UM	21	-225	218	217	-1		1000		65	140		
22	UM	22	-230	225	224	-1		999		72	140		
23	UM	23	-216	211	212	1		1000		101	140		
24	UM	24	-248	243	242	-1		999		97	140		
25	UM	25	-255	250	250			999		117	140		
26	UM	26	-266	261	261			999		43	140		
27	UM	27	-266	260	260			999		83	140		
28	UM	28	-296	290	290			999		63	140		
29	UM	29	-300	297	295	-2		999		75	140		
30	UM	30	-314	307	308	1		999		130	140		
31	UM	31	-323	316	315	-1		999		129	140		
32	UM	32	-373	366	368	2		999		98	140	-1	
33	UM	33	-327	320	320			999		97	140		
34	UM	34	-326	319	321	2		999		78	140		
35	UM	35	-331	324	322	-2		999		79	140		
36	UM	36	-354	347	347			999		63	140		
37	UM	37	-377	370	370			999		173	140	-1	
38	UM	38	-475	468	468			999		117	140		
39	UM	39	-408	399	393	-6		999		43	140		
40	UM	40	-438	429	424	-5		999		43	140		
41	UM	41	-424	415	416	1		1000		83	140		
42	UM	42	-427	418	421	3		999		164	140		
43	UM	43	-450	450	448	-2		999		56	140		
44	UM	44	-453	444	446	2		999		98	140	-1	
45	UM	45	-456	447	449	2		999		92	140		
46	UM	46	-477	467	470	3		999		112	140		
47	UM	47	-514	503	507	4		1000		105	507		
48	UM	48	-556	544	545	1		999		95	545		
49	UM	49	-580	570	571	1		999		104	570	-1	
50	UM	50	-588	575	575			999		106	575		
51	UM	51	-603	590	589	-1		999		106	589		
52	UM	52	-678	662	657	-5		997		146	656	-1	

000214

DOA020HV₁

09/04/90 2347

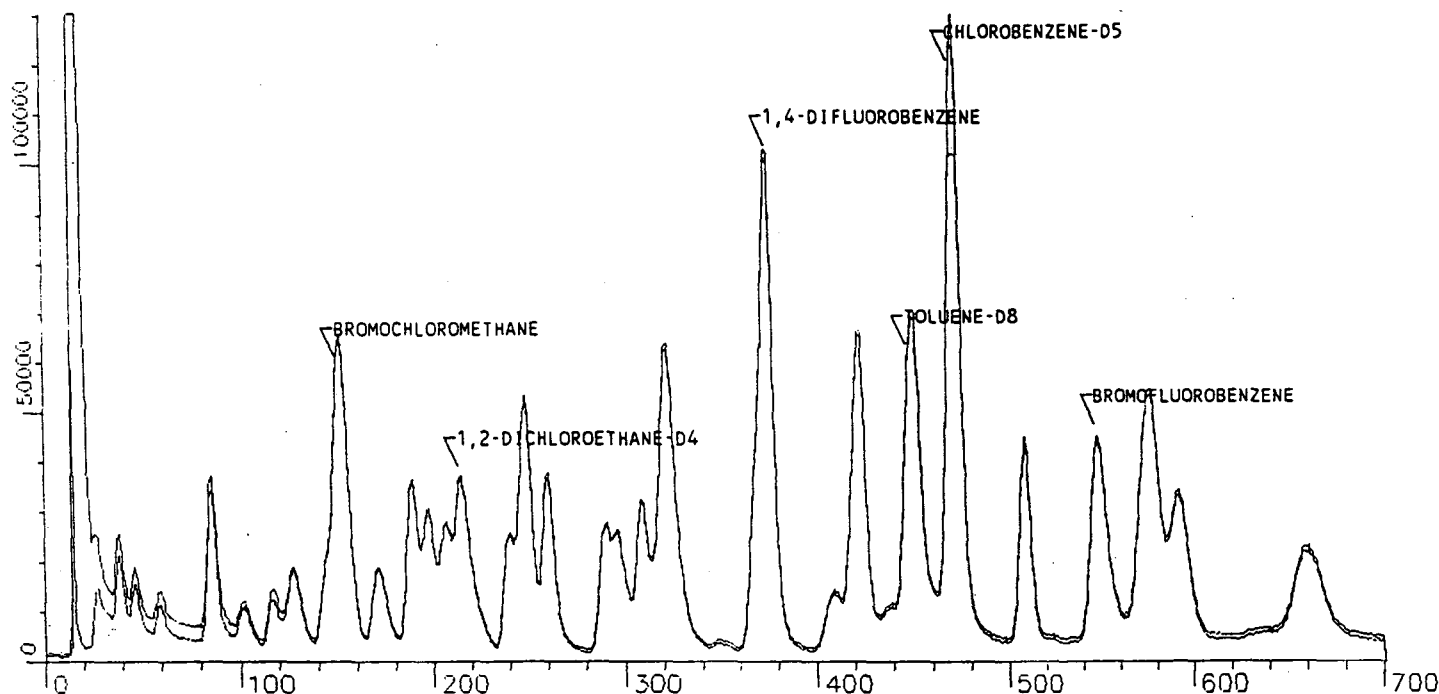
OWAD -- CMS

Sample: VSTD020 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	150	7:30	1	1.000	A BB	41993.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	375	18:45	13	1.000	A BB	192643.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	470	23:30	36	1.000	A BV	158643.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	214	10:42	1	1.427	A BB	52341.	20.000 PPB	40.0	19	1,2-DICHLOROETHANE-D4
42	98	448	22:24	36	0.953	A BB	79088.	20.000 PPB	40.0	42	TOLUENE-D8
46	95	548	27:24	36	1.166	A BB	62947.	20.000 PPB	40.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	7:30	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:45	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:30	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:42	0	1.427	1.00	20.00	20.00	3.116	3.116	1.00	19	1,2-DICHLOROETHANE-D4
42	22:24	0	0.953	1.00	20.00	20.00	1.246	1.246	1.00	42	TOLUENE-D8
46	27:24	0	1.166	1.00	20.00	20.00	0.992	0.992	1.00	46	BROMOFLUOROBENZENE

DOA020HV (09/04/90 23:47) RFs Loaded on MSDP2 9/25/90 17:00:49

DOA020HV₂

09/04/90 2347

OWAD -- CMS

Sample: VSTD020 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	27	1:21	1	0.180	A BB	25782.	20.000 PPB		2	CHLOROMETHANE
3	94	39	1:57	1	0.260	A BB	23651.	20.000 PPB		3	BROMOMETHANE
4	62	47	2:21	1	0.313	A BB	23654.	20.000 PPB		4	VINYL CHLORIDE
5	64	60	3:00	1	0.400	A VB	14506.	20.000 PPB		5	CHLOROETHANE
6	84	86	4:18	1	0.573	A BB	28228.	20.000 PPB		6	METHYLENE CHLORIDE
7	43	102	5:06	1	0.680	A BB	45425.	20.000 PPB		7	ACETONE
8	56	105	5:15	1	0.700	A BB	5171.	20.000 PPB		8	ACROLEIN
9	53	117	5:51	1	0.780	A BB	9317.	20.000 PPB		9	ACRYLONITRILE
10	76	117	5:51	1	0.780	A BB	54064.	20.000 PPB		10	CARBON DISULFIDE
11	101	128	6:24	1	0.853	A BB	47761.	20.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	144	7:12	1	0.960	A BB	19379.	20.000 PPB		12	1,1-DICHLOROETHENE
14	63	170	8:30	1	1.133	A BB	46933.	20.000 PPB		14	1,1-DICHLOROETHANE
15	71	174	8:42	1	1.160	A BB	4518.	20.000 PPB		15	TETRAHYDROFURAN
16	96	189	9:27	1	1.260	A BB	45985.	40.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	198	9:54	1	1.320	A BB	59972.	20.000 PPB		17	CHLOROFORM
18	62	216	10:48	1	1.440	A BB	52080.	20.000 PPB		18	1,2-DICHLOROETHANE
20	72	223	11:09	1	1.487	A BB	6915.	20.000 PPB		20	2-BUTANONE
21	101	206	10:18	13	0.549	A BB	39493.	20.000 PPB		21	FREON TF
22	97	240	12:00	13	0.640	A BB	48274.	20.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	248	12:24	13	0.661	A BB	48373.	20.000 PPB		23	CARBON TETRACHLORIDE
24	43	261	13:03	13	0.696	A VB	67299.	20.000 PPB		24	VINYL ACETATE
25	83	261	13:03	13	0.696	A BB	51574.	20.000 PPB		25	BROMODICHLOROMETHANE
26	63	290	14:30	13	0.773	A BB	31944.	20.000 PPB		26	1,2-DICHLOROPROPANE
27	75	297	14:51	13	0.792	A BB	38094.	20.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	309	15:27	13	0.824	A BB	31907.	20.000 PPB		28	TRICHLOROETHENE
29	129	319	15:57	13	0.851	A BB	37826.	20.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	369	18:27	13	0.984	A BB	17302.	20.000 PPB		30	METHYLCYCLOHEXANE
31	97	323	16:09	13	0.861	A VB	29966.	20.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	321	16:03	13	0.856	A BB	73043.	20.000 PPB		32	BENZENE
33	75	325	16:15	13	0.867	A BB	11959.	6.420 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	63	349	17:27	13	0.931	A BB	2029.	20.000 PPB		34	2-CHLOROETHYL VINYLETHYR
35	173	373	18:39	13	0.995	A BV	28278.	20.000 PPB		35	BROMOFORM
37	43	409	20:27	36	0.870	A BB	55379.	20.000 PPB		37	4-METHYL-2-PENTANONE
38	43	439	21:57	36	0.934	A BV	19700.	20.000 PPB		38	2-HEXANONE
39	83	421	21:03	36	0.896	A BB	56619.	20.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	423	21:09	36	0.900	A BB	30832.	20.000 PPB		40	TETRACHLOROETHENE
41	56	461	23:03	36	0.981	A BV	13411.	20.000 PPB		41	BUTYL ACETATE
43	92	451	22:33	36	0.960	A BB	52182.	20.000 PPB		43	TOLUENE
44	112	473	23:39	36	1.006	A BB	67188.	20.000 PPB		44	CHLOROBENZENE
45	106	509	25:27	36	1.083	A BB	31048.	20.000 PPB		45	ETHYLBENZENE
47	104	573	28:39	36	1.219	A BB	62804.	20.000 PPB		47	STYRENE
48	106	578	28:54	36	1.230	A BV	41806.	20.000 PPB		48	M-XYLENE
49	106	592	29:36	36	1.260	A VB	39964.	20.000 PPB		49	O- & P-XYLENE
50	146	658	32:54	36	1.400	A BB	62338.	20.000 PPB		50	O-DICHLOROBENZENE
51	55	154	7:42	1	1.027	A BB	20950.	20.000 PPB		51	CYCLOPENTANE
52	106	578	28:54	36	1.230	A BV	41806.	20.000 PPB		52	XYLENE (TOTAL)
53	45	127	6:21	1	0.847	A BB	9399.	20.000 PPB		53	2-PROPANOL

DOA020HV 3

09/04/90 2347

OWAD -- CMS

Sample: VSTD020 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:21	0	0.180	1.00	20.00	20.00	1.535	1.535	1.00	2	CHLOROMETHANE
3	1:57	0	0.260	1.00	20.00	20.00	1.408	1.408	1.00	3	BROMOMETHANE
4	2:21	0	0.313	1.00	20.00	20.00	1.408	1.408	1.00	4	VINYL CHLORIDE
5	3:00	0	0.400	1.00	20.00	20.00	0.864	0.864	1.00	5	CHLOROETHANE
6	4:18	0	0.573	1.00	20.00	20.00	1.680	1.680	1.00	6	METHYLENE CHLORIDE
7	5:06	0	0.680	1.00	20.00	20.00	2.704	2.704	1.00	7	ACETONE
8	5:15	0	0.700	1.00	20.00	20.00	0.308	0.308	1.00	8	ACROLEIN
9	5:51	0	0.780	1.00	20.00	20.00	0.555	0.555	1.00	9	ACRYLONITRILE
10	5:51	0	0.780	1.00	20.00	20.00	3.219	3.219	1.00	10	CARBON DISULFIDE
11	6:24	0	0.853	1.00	20.00	20.00	2.843	2.843	1.00	11	TRICHLOROFLUOROMETHANE
12	7:12	0	0.960	1.00	20.00	20.00	1.154	1.154	1.00	12	1,1-DICHLOROETHENE
14	8:30	0	1.133	1.00	20.00	20.00	2.794	2.794	1.00	14	1,1-DICHLOROETHANE
15	8:42	0	1.160	1.00	20.00	20.00	0.269	0.269	1.00	15	TETRAHYDROFURAN
16	9:27	0	1.260	1.00	40.00	40.00	1.369	1.369	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	9:54	0	1.320	1.00	20.00	20.00	3.570	3.570	1.00	17	CHLOROFORM
18	10:48	0	1.440	1.00	20.00	20.00	3.100	3.100	1.00	18	1,2-DICHLOROETHANE
20	11:09	0	1.487	1.00	20.00	20.00	0.412	0.412	1.00	20	2-BUTANONE
21	10:18	0	0.549	1.00	20.00	20.00	0.513	0.513	1.00	21	FREON TF
22	12:00	0	0.640	1.00	20.00	20.00	0.626	0.626	1.00	22	1,1,1-TRICHLOROETHANE
23	12:24	0	0.661	1.00	20.00	20.00	0.628	0.628	1.00	23	CARBON TETRACHLORIDE
24	13:03	0	0.696	1.00	20.00	20.00	0.873	0.873	1.00	24	VINYL ACETATE
25	13:03	0	0.696	1.00	20.00	20.00	0.669	0.669	1.00	25	BROMODICHLOROMETHANE
26	14:30	0	0.773	1.00	20.00	20.00	0.415	0.415	1.00	26	1,2-DICHLOROPROPANE
27	14:51	0	0.792	1.00	20.00	20.00	0.494	0.494	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:27	0	0.824	1.00	20.00	20.00	0.414	0.414	1.00	28	TRICHLOROETHENE
29	15:57	0	0.851	1.00	20.00	20.00	0.491	0.491	1.00	29	DIBROMOCHLOROMETHANE
30	18:27	0	0.984	1.00	20.00	20.00	0.225	0.225	1.00	30	METHYLCYCLOHEXANE
31	16:09	0	0.861	1.00	20.00	20.00	0.389	0.389	1.00	31	1,1,2-TRICHLOROETHANE
32	16:03	0	0.856	1.00	20.00	20.00	0.948	0.948	1.00	32	BENZENE
33	16:15	0	0.867	1.00	6.42	6.42	0.483	0.483	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	17:27	0	0.931	1.00	20.00	20.00	0.026	0.026	1.00	34	2-CHLOROETHYL VINYLETHER
35	18:39	0	0.995	1.00	20.00	20.00	0.367	0.367	1.00	35	BROMOFORM
37	20:27	0	0.870	1.00	20.00	20.00	0.873	0.873	1.00	37	4-METHYL-2-PENTANONE
38	21:57	0	0.934	1.00	20.00	20.00	0.310	0.310	1.00	38	2-HEXANONE
39	21:03	0	0.896	1.00	20.00	20.00	0.892	0.892	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	21:09	0	0.900	1.00	20.00	20.00	0.486	0.486	1.00	40	TETRACHLOROETHENE
41	23:03	0	0.981	1.00	20.00	20.00	0.211	0.211	1.00	41	BUTYL ACETATE
43	22:33	0	0.960	1.00	20.00	20.00	0.822	0.822	1.00	43	TOLUENE
44	23:39	0	1.006	1.00	20.00	20.00	1.059	1.059	1.00	44	CHLOROBENZENE
45	25:27	0	1.083	1.00	20.00	20.00	0.489	0.489	1.00	45	ETHYLBENZENE
47	28:39	0	1.219	1.00	20.00	20.00	0.990	0.990	1.00	47	STYRENE
48	28:54	0	1.230	1.00	20.00	20.00	0.659	0.659	1.00	48	M-XYLENE
49	29:36	0	1.260	1.00	20.00	20.00	0.630	0.630	1.00	49	O- & P-XYLENE
50	32:54	0	1.400	1.00	20.00	20.00	0.982	0.982	1.00	50	O-DICHLOROBENZENE
51	7:42	0	1.027	1.00	20.00	20.00	1.247	1.247	1.00	51	CYCLOPENTANE
52	28:54	0	1.230	1.00	20.00	20.00	0.659	0.659	1.00	52	XYLENE (TOTAL)
53	6:21	0	0.847	1.00	20.00	20.00	0.560	0.560	1.00	53	2-PROPANOL

PROCEDURE: TCA
DATA FILE: DDA020HV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/05/90 0:24:32

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

DNY050DHV (09/02/90 10:21) Calib. loaded on DWAD 9/02/90 15:11:18

< --- STANDARDS --- >				< --- PLUS UNKNOWN --- >				< --- LIST NAMES --- >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	11	4	456	UMRET1/UMUNK1	
2	2	1	0	14	14	4	154	UMRET2/UMUNK2	
3	3	1	0	13	12	5	136	UMRET2/UMUNK3	
4	4	1	0	9	9	4	298	UMRET3/UMUNK4	
5	5	1	0	8	7	4	377	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 48 FOUND

< COMPOUND >			SEARCH					< SAT >		< CHRO >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-165	151	151		1	994		129	150	-1	1
2	UM	2	-20	25	27		1	993		50	27		1
3	UM	3	-34	36	39		1	991		94	39		1
4	UM	4	-45	45	47		1	997		62	47		1
5	UM	5	-63	60	60		1	993		64	60		1
6	UM	6	-101	91	86	-1	1	997		84	86		1
7	UM	7	-121	108	102	-1	1	1000		43	102		1
8	UM	8	-124	110	104	-1	1	998		56	103	1	1
9	UM	9	-136	120						53			
10	UM	10	-134	118	117	-1	2	1000		76	117		1
11	UM	11	-144	127	128	1	1	993		101	128		1
12	UM	12	-160	140	144	4	1	999		96	144		1
13	UM	53	-149	131						45			
14	UM	13	-379	375	375		1	987		114	375		1
15	UM	51	-168	156	154	-1	1	987		55	154		1
16	UM	14	-183	171	170	-1	1	993		63	170		1
17	UM	15	-187	176	174	-2	1	988		71	174		1
18	UM	16	-199	188	189	1	1	999		96	189		1
19	UM	17	-207	197	198	1	2	999		83	198		1
20	UM	18	-225	216	216		2	988		62	216		1
21	UM	19	-223	214	214		1	998		65	214		1
22	UM	20	-230	221	222	1	1	992		72	223	-1	1
23	UM	21	-216	206	207	1	1	1000		101	206	-1	1
24	UM	22	-248	240	241	1	1	998		97	240	-1	1
25	UM	23	-255	247	248	1	1	944		117	248		1
26	UM	24	-266	259	261	1	1	985		43	261		1
27	UM	25	-266	258	261	3	1	1000		83	261		1
28	UM	26	-296	290	290		1	990		63	290		1
29	UM	27	-303	297	297		2	994		75	297		1
30	UM	28	-314	309	309		1	995		130	309		1
31	UM	29	-323	318	319	1	1	997		129	319		1
32	UM	30	-373	370	369	-1	1	982		98	369		1
33	UM	31	-327	322	323	1	1	995		97	323		1
34	UM	32	-326	321	322	1	1	998		78	321	-1	1
35	UM	33	-331	326	325	-1	2	996		75	325		1
36	UM	34	-354	350						63	349		1
37	UM	35	-377	374	374		1	900		173	373	-1	1
38	UM	36	-475	471	471		1	986		117	470	-1	1
39	UM	37	-408	406	409	3	1	990		43	409		1
40	UM	38	-438	436	439	3	1	976		43	409		1
41	UM	39	-424	422	420	1	1	963		83	421	1	1
42	UM	40	-427	425	423	1	1	973		164	423		1
43	UM	41	-459	457	461	4	2	999		56	461		1
44	UM	42	-453	451	448	3	1	998		98	448		1
45	UM	43	-456	454	452	2	1	997		92	451	-1	1
46	UM	44	-477	468	473	5	1	992		112	473		1
47	UM	45	-514	504						106			
48	UM	46	-556	546	548	2	1	1000		95	548		1
49	UM	47	-583	573	574	1	2	996		104	573	-1	1
50	UM	48	-588	578	578		1	994		106	578		1
51	UM	49	-603	592	592		2	998		106	592		1
52	UM	50	-679	666	661	-5	1	988		146			

000218

DOA150HV₁

09/05/90 0042

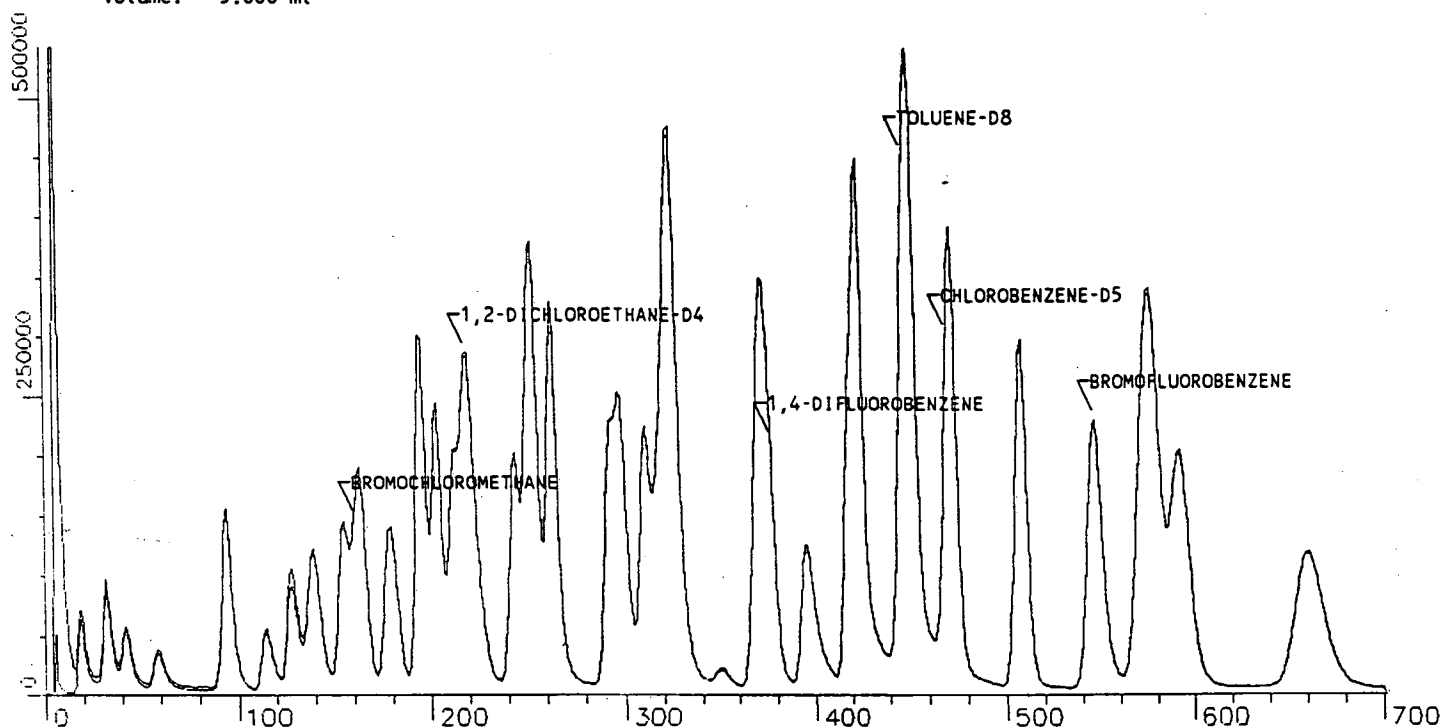
OWAD -- SJF

Sample: VSTD150 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	160	8:00	1	1.000	A BB	38882.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	377	18:51	13	1.000	A BB	180947.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	469	23:27	36	1.000	A BB	154731.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	218	10:54	1	1.362	A BB	367069.	150.000 PPB	300.0	19	1,2-DICHLOROETHANE-D4
42	98	447	22:21	36	0.953	A BB	578231.	150.000 PPB	300.0	42	TOLUENE-D8
46	95	547	27:21	36	1.166	A BB	428740.	150.000 PPB	300.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	8:00	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:51	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:27	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:54	0	1.362	1.00	150.00	150.00	3.147	3.147	1.00	19	1,2-DICHLOROETHANE-D4
42	22:21	0	0.953	1.00	150.00	150.00	1.246	1.246	1.00	42	TOLUENE-D8
46	27:21	0	1.166	1.00	150.00	150.00	0.924	0.924	1.00	46	BROMOFLUOROBENZENE

DOA150HV (09/05/90 0:42) RFs loaded on MSDP2 9/25/90 17:10:29

DOA150HV₂

09/05/90 0042

OWAD -- SJF

Sample: VSTD150 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	19	0:57	1	0.119	A BB	155533.	150.000 PPB		2	CHLOROMETHANE
3	94	32	1:36	1	0.200	A BB	139837.	150.000 PPB		3	BROMOMETHANE
4	62	42	2:06	1	0.263	A BB	148372.	150.000 PPB		4	VINYL CHLORIDE
5	64	59	2:57	1	0.369	A VB	93115.	150.000 PPB		5	CHLOROETHANE
6	84	94	4:42	1	0.588	A BB	162044.	150.000 PPB		6	METHYLENE CHLORIDE
7	43	114	5:42	1	0.713	A BB	224804.	150.000 PPB		7	ACETONE
8	56	116	5:48	1	0.725	A BV	32728.	150.000 PPB		8	ACROLEIN
9	53	127	6:21	1	0.794	A VB	57920.	150.000 PPB		9	ACRYLONITRILE
10	76	128	6:24	1	0.800	A BB	421351.	150.000 PPB		10	CARBON DISULFIDE
11	101	139	6:57	1	0.869	A BB	333292.	150.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	154	7:42	1	0.962	A BV	138942.	150.000 PPB		12	1,1-DICHLOROETHENE
14	63	178	8:54	1	1.112	A BV	354649.	150.000 PPB		14	1,1-DICHLOROETHANE
15	71	181	9:03	1	1.131	A BB	27524.	150.000 PPB		15	TETRAHYDROFURAN
16	96	194	9:42	1	1.212	A BB	330919.	300.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	203	10:09	1	1.269	A BB	443266.	150.000 PPB		17	CHLOROFORM
18	62	220	11:00	1	1.375	A BB	384684.	150.000 PPB		18	1,2-DICHLOROETHANE
20	72	226	11:18	1	1.413	A BB	38068.	150.000 PPB		20	2-BUTANONE
21	101	212	10:36	13	0.562	A BB	282051.	150.000 PPB		21	FREON TF
22	97	244	12:12	13	0.647	A BB	368983.	150.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	252	12:36	13	0.668	A BB	387279.	150.000 PPB		23	CARBON TETRACHLORIDE
24	43	263	13:09	13	0.698	A BB	574521.	150.000 PPB		24	VINYL ACETATE
25	83	263	13:09	13	0.698	A BB	432724.	150.000 PPB		25	BROMODICHLOROMETHANE
26	63	293	14:39	13	0.777	A BB	238701.	150.000 PPB		26	1,2-DICHLOROPROPANE
27	75	298	14:54	13	0.790	A BB	327434.	150.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	311	15:33	13	0.825	A BB	226945.	150.000 PPB		28	TRICHLOROETHENE
29	129	318	15:54	13	0.844	A BB	337123.	150.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	371	18:33	13	0.984	A BB	121074.	150.000 PPB		30	METHYLCYCLOHEXANE
31	97	324	16:12	13	0.859	A VB	219073.	150.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	324	16:12	13	0.859	A BB	546021.	150.000 PPB		32	BENZENE
33	75	326	16:18	13	0.865	A BB	107012.	48.150 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	63	351	17:33	13	0.931	A BB	16557.	150.000 PPB		34	2-CHLOROETHYL VINYLETHER
35	173	374	18:42	13	0.992	A BB	266365.	150.000 PPB		35	BROMOFORM
37	43	395	19:45	36	0.842	A BB	471164.	150.000 PPB		37	4-METHYL-2-PENTANONE
38	43	426	21:18	36	0.908	A BB	219885.	150.000 PPB		38	2-HEXANONE
39	83	418	20:54	36	0.891	A BB	434813.	150.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	423	21:09	36	0.902	A BB	219622.	150.000 PPB		40	TETRACHLOROETHENE
41	56	448	22:24	36	0.955	A BV	156410.	150.000 PPB		41	BUTYL ACETATE
43	92	451	22:33	36	0.962	A BB	386248.	150.000 PPB		43	TOLUENE
44	112	471	23:33	36	1.004	A BB	495645.	150.000 PPB		44	CHLOROBENZENE
45	106	508	25:24	36	1.083	A BB	228433.	150.000 PPB		45	ETHYLBENZENE
47	104	572	28:36	36	1.220	A BB	477339.	150.000 PPB		47	STYRENE
48	106	578	28:54	36	1.232	A BV	306472.	150.000 PPB		48	M-XYLENE
49	106	591	29:33	36	1.260	A VB	282303.	150.000 PPB		49	O- & P-XYLENE
50	146	659	32:57	36	1.405	A BB	398987.	150.000 PPB		50	O-DICHLOROBENZENE
51	55	164	8:12	1	1.025	A BB	139788.	150.000 PPB		51	CYCLOPENTANE
52	106	578	28:54	36	1.232	A BV	306472.	150.000 PPB		52	XYLENE (TOTAL)
53	45	142	7:06	1	0.887	A VB	21463.	150.000 PPB		53	2-PROPANOL

DOA150HV₃

09/05/90 0042

OWAD -- SJF

Sample: VSTD150 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD

Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	0:57	0	0.119	1.00	150.00	150.00	1.333	1.333	1.00	2	CHLOROMETHANE
3	1:36	0	0.200	1.00	150.00	150.00	1.199	1.199	1.00	3	BROMOMETHANE
4	2:06	0	0.263	1.00	150.00	150.00	1.272	1.272	1.00	4	VINYL CHLORIDE
5	2:57	0	0.369	1.00	150.00	150.00	0.798	0.798	1.00	5	CHLOROETHANE
6	4:42	0	0.587	1.00	150.00	150.00	1.389	1.389	1.00	6	METHYLENE CHLORIDE
7	5:42	0	0.713	1.00	150.00	150.00	1.927	1.927	1.00	7	ACETONE
8	5:48	0	0.725	1.00	150.00	150.00	0.281	0.281	1.00	8	ACROLEIN
9	6:21	0	0.794	1.00	150.00	150.00	0.497	0.497	1.00	9	ACRYLONITRILE
10	6:24	0	0.800	1.00	150.00	150.00	3.612	3.612	1.00	10	CARBON DISULFIDE
11	6:57	0	0.869	1.00	150.00	150.00	2.857	2.857	1.00	11	TRICHLOROFLUOROMETHANE
12	7:42	0	0.962	1.00	150.00	150.00	1.191	1.191	1.00	12	1,1-DICHLOROETHENE
14	8:54	0	1.112	1.00	150.00	150.00	3.040	3.040	1.00	14	1,1-DICHLOROETHANE
15	9:03	0	1.131	1.00	150.00	150.00	0.236	0.236	1.00	15	TETRAHYDROFURAN
16	9:42	0	1.212	1.00	300.00	300.00	1.418	1.418	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	10:09	0	1.269	1.00	150.00	150.00	3.800	3.800	1.00	17	CHLOROFORM
18	11:00	0	1.375	1.00	150.00	150.00	3.298	3.298	1.00	18	1,2-DICHLOROETHANE
20	11:18	0	1.413	1.00	150.00	150.00	0.326	0.326	1.00	20	2-BUTANONE
21	10:36	0	0.562	1.00	150.00	150.00	0.520	0.520	1.00	21	FREON TF
22	12:12	0	0.647	1.00	150.00	150.00	0.680	0.680	1.00	22	1,1,1-TRICHLOROETHANE
23	12:36	0	0.668	1.00	150.00	150.00	0.713	0.713	1.00	23	CARBON TETRACHLORIDE
24	13:09	0	0.698	1.00	150.00	150.00	1.058	1.058	1.00	24	VINYL ACETATE
25	13:09	0	0.698	1.00	150.00	150.00	0.797	0.797	1.00	25	BROMODICHLOROMETHANE
26	14:39	0	0.777	1.00	150.00	150.00	0.440	0.440	1.00	26	1,2-DICHLOROPROPANE
27	14:54	0	0.790	1.00	150.00	150.00	0.603	0.603	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:33	0	0.825	1.00	150.00	150.00	0.418	0.418	1.00	28	TRICHLOROETHENE
29	15:54	0	0.844	1.00	150.00	150.00	0.621	0.621	1.00	29	DIBROMOCHLOROMETHANE
30	18:33	0	0.984	1.00	150.00	150.00	0.223	0.223	1.00	30	METHYLCYCLOHEXANE
31	16:12	0	0.859	1.00	150.00	150.00	0.404	0.404	1.00	31	1,1,2-TRICHLOROETHANE
32	16:12	0	0.859	1.00	150.00	150.00	1.006	1.006	1.00	32	BENZENE
33	16:18	0	0.865	1.00	48.15	48.15	0.614	0.614	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	17:33	0	0.931	1.00	150.00	150.00	0.031	0.031	1.00	34	2-CHLOROETHYL VINYLETHER
35	18:42	0	0.992	1.00	150.00	150.00	0.491	0.491	1.00	35	BROMOFORM
37	19:45	0	0.842	1.00	150.00	150.00	1.015	1.015	1.00	37	4-METHYL-2-PENTANONE
38	21:18	0	0.908	1.00	150.00	150.00	0.474	0.474	1.00	38	2-HEXANONE
39	20:54	0	0.891	1.00	150.00	150.00	0.937	0.937	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	21:09	0	0.902	1.00	150.00	150.00	0.473	0.473	1.00	40	TETRACHLOROETHENE
41	22:24	0	0.955	1.00	150.00	150.00	0.337	0.337	1.00	41	BUTYL ACETATE
43	22:33	0	0.962	1.00	150.00	150.00	0.832	0.832	1.00	43	TOLUENE
44	23:33	0	1.004	1.00	150.00	150.00	1.068	1.068	1.00	44	CHLOROBENZENE
45	25:24	0	1.083	1.00	150.00	150.00	0.492	0.492	1.00	45	ETHYLBENZENE
47	28:36	0	1.220	1.00	150.00	150.00	1.028	1.028	1.00	47	STYRENE
48	28:54	0	1.232	1.00	150.00	150.00	0.660	0.660	1.00	48	M-XYLENE
49	29:33	0	1.260	1.00	150.00	150.00	0.608	0.608	1.00	49	O- & P-XYLENE
50	32:57	0	1.405	1.00	150.00	150.00	0.860	0.860	1.00	50	O-DICHLOROBENZENE
51	8:12	0	1.025	1.00	150.00	150.00	1.198	1.198	1.00	51	CYCLOPENTANE
52	28:54	0	1.232	1.00	150.00	150.00	0.660	0.660	1.00	52	XYLENE (TOTAL)
53	7:06	0	0.887	1.00	150.00	150.00	0.184	0.184	1.00	53	2-PROPANOL

PROCEDURE: TCA
DATA FILE: DOA15CHV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/05/90 1:24:14

DNY050DHV (09/02/90 10:21) Calib. loaded on DWAD 9/02/90 15:11:18

STANDARDS				PLUS UNKNOWN				LIST NAMES	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	11	1	179	UMRET1/UMUNK1	
2	2	1	0	14	14	12	57	UMRET2/UMUNK2	
2	2	1	0	13	13	18	115	UMRET2/UMUNK3	
1	1	1	0	9	9	1	393	UMRET3/UMUNK4	
1	1	1	0	8	8	2	273	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 50 FOUND

COMPOUND			SEARCH			SAT		CHRO					
NO	LIB	ENTRY	RES	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-1603	160	160		1	9994		128	160		
2	UM	2	-1800	18	19		1	9995		50	19		
3	UM	3	-1800	31	32		1	9996		94	32		
4	UM	4	-1400	42	42		1	9999		62	42		
5	UM	5	-1500	59	59		1	9997		64	59		
6	UM	6	-1011	96	94	-2	1	9995		94	94		
7	UM	7	-1011	115	114	-1	1	9996		43	114		
8	UM	8	-1011	118	115	-3	1	9997		56	116		
9	UM	9	-1011	130			1			53			
10	UM	10	-1011	128	128		1	1000		76	128		
11	UM	11	-1444	138	139	1	1	9994		101	139		
12	UM	12	-1600	153	155	2	1	9999		96	154		
13	UM	13	-1499	143			1			45	143		
14	UM	14	-1379	377	377		1	9990		114	377		
15	UM	15	-1788	163	164	1	1	9999		55	164		
16	UM	16	-1788	178	178		1	9992		63	178		
17	UM	17	-1822	182	182		1	9984		71	181		
18	UM	18	-1999	194	194		1	1000		96	194		
19	UM	19	-2007	203	203		2	9996		83	203		
20	UM	20	-2225	221	220	-1	1	9987		62	220		
21	UM	21	-2230	219	218	-1	1	9999		65	218		
22	UM	22	-2300	226	226		3	9997		72	226		
23	UM	23	-2116	212	212		1	1000		101	212		
24	UM	24	-2448	244	244		1	9998		97	244		
25	UM	25	-2555	251	252	1	1	9998		117	252		
26	UM	26	-2666	262	263	1	1	9994		43	263		
27	UM	27	-2666	262	263	1	1	9997		83	263		
28	UM	28	-2992	292	293	1	1	9992		63	293		
29	UM	29	-3000	299	298	-1	3	9997		75	298		
30	UM	30	-3114	311	311		1	9996		120	311		
31	UM	31	-3223	320	319	-1	1	9994		129	318		
32	UM	32	-3700	370	371	1	1	9993		98	371		
33	UM	33	-327	324	324		1	9993		97	324		
34	UM	34	-326	323	324	1	2	9998		78	324		
35	UM	35	-331	328	325	-3	3	9996		75	325		
36	UM	36	-354	351	351		1	9999		63	351		
37	UM	37	-377	374	374		1	9991		173	374		
38	UM	38	-475	469	469		1	9988		117	469		
39	UM	39	-408	401	395	-6	1	9992		43	395		
40	UM	40	-438	431	426	-5	1	9993		43	426		
41	UM	41	-424	417	418	1	1	1000		83	418		
42	UM	42	-427	420	423	3	1	9977		164	423		
43	UM	43	-459	451	449	-2	1	9995		56	449		
44	UM	44	-453	446	447	1	1	9998		98	447		
45	UM	45	-456	448	451	3	1	9997		92	451		
46	UM	46	-477	469	472	3	1	9997		112	471		
47	UM	47	-514	505	508	3	1	9996		106	508		
48	UM	48	-556	546	546		1	9997		95	547		
49	UM	49	-583	573	573		1	1000		104	572		
50	UM	50	-588	577	578	1	1	9995		106	578		
51	UM	51	-603	592	592		2	9997		106	591		
52	UM	52	-678	665	661	-4	1	9998		146	659		

000222

DOA100HV₁

09/05/90 0202

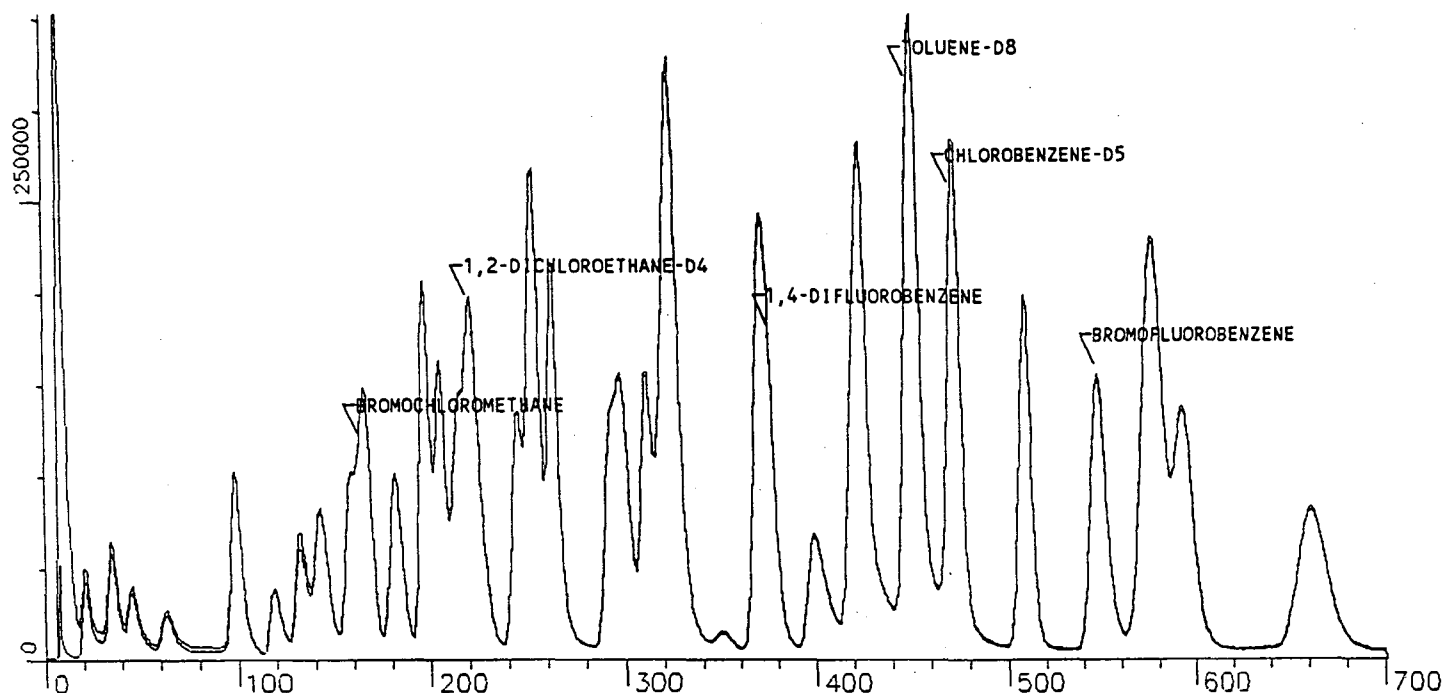
OWAD -- SJF

Sample: VSTD100 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	163	8:09	1	1.000	A BB	40031.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	376	18:48	13	1.000	A BB	186285.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	471	23:33	36	1.000	A BB	158067.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	220	11:00	1	1.350	A BB	249366.	100.000 PPB	200.0	19	1,2-DICHLOROETHANE-D4
42	98	449	22:27	36	0.953	A BB	387672.	100.000 PPB	200.0	42	TOLUENE-D8
46	95	548	27:24	36	1.163	A BB	287027.	100.000 PPB	200.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	8:09	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:48	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:33	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	11:00	0	1.350	1.00	100.00	100.00	3.115	3.115	1.00	19	1,2-DICHLOROETHANE-D4
42	22:27	0	0.953	1.00	100.00	100.00	1.226	1.226	1.00	42	TOLUENE-D8
46	27:24	0	1.163	1.00	100.00	100.00	0.908	0.908	1.00	46	BROMOFLUOROBENZENE

DOA100HV (09/05/90 2: 2) RFs loaded on MSDP2 9/25/90 17:05:39

DOA100HV₂

09/05/90 0202

OWAD -- SJF

Sample: VSTD100 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	21	1:03	1	0.129	A BB	107377.	100.000 PPB		2	CHLOROMETHANE
3	94	35	1:45	1	0.215	A BB	99425.	100.000 PPB		3	BROMOMETHANE
4	62	46	2:18	1	0.282	A BB	101957.	100.000 PPB		4	VINYL CHLORIDE
5	64	64	3:12	1	0.393	A VB	63604.	100.000 PPB		5	CHLOROETHANE
6	84	99	4:57	1	0.607	A BB	113131.	100.000 PPB		6	METHYLENE CHLORIDE
7	43	119	5:57	1	0.730	A BB	150839.	100.000 PPB		7	ACETONE
8	56	120	6:00	1	0.736	A BB	22101.	100.000 PPB		8	ACROLEIN
9	53	127	6:21	1	0.779	A VB	57920.	100.000 PPB		9	ACRYLONITRILE
10	76	132	6:36	1	0.810	A BB	283862.	100.000 PPB		10	CARBON DISULFIDE
11	101	143	7:09	1	0.877	A BB	227918.	100.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	158	7:54	1	0.969	A BB	95401.	100.000 PPB		12	1,1-DICHLOROETHENE
14	63	181	9:03	1	1.110	A BV	243048.	100.000 PPB		14	1,1-DICHLOROETHANE
15	71	184	9:12	1	1.129	A BB	20075.	100.000 PPB		15	TETRAHYDROFURAN
16	96	197	9:51	1	1.209	A BB	228911.	200.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	205	10:15	1	1.258	A BB	302231.	100.000 PPB		17	CHLOROFORM
18	62	222	11:06	1	1.362	A BB	261488.	100.000 PPB		18	1,2-DICHLOROETHANE
20	72	228	11:24	1	1.399	A BB	24388.	100.000 PPB		20	2-BUTANONE
21	101	215	10:45	13	0.572	A BB	194626.	100.000 PPB		21	FREON TF
22	97	245	12:15	13	0.652	A BV	249386.	100.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	253	12:39	13	0.673	A BB	259093.	100.000 PPB		23	CARBON TETRACHLORIDE
24	43	264	13:12	13	0.702	A BB	357963.	100.000 PPB		24	VINYL ACETATE
25	83	264	13:12	13	0.702	A BB	290151.	100.000 PPB		25	BROMODICHLOROMETHANE
26	63	293	14:39	13	0.779	A BB	161822.	100.000 PPB		26	1,2-DICHLOROPROPANE
27	75	299	14:57	13	0.795	A BB	218687.	100.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	311	15:33	13	0.827	A BB	154296.	100.000 PPB		28	TRICHLOROETHENE
29	129	319	15:57	13	0.848	A BB	220414.	100.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	370	18:30	13	0.984	A BB	80999.	100.000 PPB		30	METHYLCYCLOHEXANE
31	97	324	16:12	13	0.862	A VB	149922.	100.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	324	16:12	13	0.862	A BB	367868.	100.000 PPB		32	BENZENE
33	75	327	16:21	13	0.870	A BB	69243.	32.100 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	63	351	17:33	13	0.934	A BB	9160.	100.000 PPB		34	2-CHLOROETHYL VINYLETHER
35	173	373	18:39	13	0.992	A BB	172788.	100.000 PPB		35	BROMOFORM
37	43	399	19:57	36	0.847	A BB	293217.	100.000 PPB		37	4-METHYL-2-PENTANONE
38	43	430	21:30	36	0.913	A BB	107708.	100.000 PPB		38	2-HEXANONE
39	83	420	21:00	36	0.892	A BB	288784.	100.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	424	21:12	36	0.900	A BB	149690.	100.000 PPB		40	TETRACHLOROETHENE
41	56	451	22:33	36	0.958	A BV	95561.	100.000 PPB		41	BUTYL ACETATE
43	92	452	22:36	36	0.960	A BB	260449.	100.000 PPB		43	TOLUENE
44	112	473	23:39	36	1.004	A BB	337601.	100.000 PPB		44	CHLOROBENZENE
45	106	509	25:27	36	1.081	A BB	153280.	100.000 PPB		45	ETHYLBENZENE
47	104	574	28:42	36	1.219	A BB	317679.	100.000 PPB		47	STYRENE
48	106	579	28:57	36	1.229	A BV	205414.	100.000 PPB		48	M-XYLENE
49	106	593	29:39	36	1.259	A VB	190212.	100.000 PPB		49	O- & P-XYLENE
50	146	660	33:00	36	1.401	A BB	266801.	100.000 PPB		50	O-DICHLOROBENZENE
51	55	167	8:21	1	1.025	A BB	96263.	100.000 PPB		51	CYCLOPENTANE
52	106	579	28:57	36	1.229	A BV	205414.	100.000 PPB		52	XYLENE (TOTAL)
53	45	147	7:21	1	0.902	A BB	18338.	100.000 PPB		53	2-PROPANOL

DOA100HV₃

09/05/90 0202

OWAD -- SJF

Sample: VSTD100 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AOUTEC

Volume: 5.000 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03	0	0.129	1.00	100.00	100.00	1.341	1.341	1.00	2	CHLOROMETHANE
3	1:45	0	0.215	1.00	100.00	100.00	1.242	1.242	1.00	3	BROMOMETHANE
4	2:18	0	0.282	1.00	100.00	100.00	1.273	1.273	1.00	4	VINYL CHLORIDE
5	3:12	0	0.393	1.00	100.00	100.00	0.794	0.794	1.00	5	CHLOROETHANE
6	4:57	0	0.607	1.00	100.00	100.00	1.413	1.413	1.00	6	METHYLENE CHLORIDE
7	5:57	0	0.730	1.00	100.00	100.00	1.884	1.884	1.00	7	ACETONE
8	6:00	0	0.736	1.00	100.00	100.00	0.276	0.276	1.00	8	ACROLEIN
9	6:21	0	0.779	1.00	100.00	100.00	0.723	0.723	1.00	9	ACRYLONITRILE
10	6:36	0	0.810	1.00	100.00	100.00	3.546	3.546	1.00	10	CARBON DISULFIDE
11	7:09	0	0.877	1.00	100.00	100.00	2.847	2.847	1.00	11	TRICHLOROFLUOROMETHANE
12	7:54	0	0.969	1.00	100.00	100.00	1.192	1.192	1.00	12	1,1-DICHLOROETHENE
14	9:03	0	1.110	1.00	100.00	100.00	3.036	3.036	1.00	14	1,1-DICHLOROETHANE
15	9:12	0	1.129	1.00	100.00	100.00	0.251	0.251	1.00	15	TETRAHYDROFURAN
16	9:51	0	1.209	1.00	200.00	200.00	1.430	1.430	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	10:15	0	1.258	1.00	100.00	100.00	3.775	3.775	1.00	17	CHLOROFORM
18	11:06	0	1.362	1.00	100.00	100.00	3.266	3.266	1.00	18	1,2-DICHLOROETHANE
20	11:24	0	1.399	1.00	100.00	100.00	0.305	0.305	1.00	20	2-BUTANONE
21	10:45	0	0.572	1.00	100.00	100.00	0.522	0.522	1.00	21	FREON TF
22	12:15	0	0.652	1.00	100.00	100.00	0.669	0.669	1.00	22	1,1,1-TRICHLOROETHANE
23	12:39	0	0.673	1.00	100.00	100.00	0.695	0.695	1.00	23	CARBON TETRACHLORIDE
24	13:12	0	0.702	1.00	100.00	100.00	0.961	0.961	1.00	24	VINYL ACETATE
25	13:12	0	0.702	1.00	100.00	100.00	0.779	0.779	1.00	25	BROMODICHLOROMETHANE
26	14:39	0	0.779	1.00	100.00	100.00	0.434	0.434	1.00	26	1,2-DICHLOROPROPANE
27	14:57	0	0.795	1.00	100.00	100.00	0.587	0.587	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:33	0	0.827	1.00	100.00	100.00	0.414	0.414	1.00	28	TRICHLOROETHENE
29	15:57	0	0.848	1.00	100.00	100.00	0.592	0.592	1.00	29	DIBROMOCHLOROMETHANE
30	18:30	0	0.984	1.00	100.00	100.00	0.217	0.217	1.00	30	METHYLCYCLOHEXANE
31	16:12	0	0.862	1.00	100.00	100.00	0.402	0.402	1.00	31	1,1,2-TRICHLOROETHANE
32	16:12	0	0.862	1.00	100.00	100.00	0.987	0.987	1.00	32	BENZENE
33	16:21	0	0.870	1.00	32.10	32.10	0.579	0.579	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	17:33	0	0.934	1.00	100.00	100.00	0.025	0.025	1.00	34	2-CHLOROETHYL VINYLETHER
35	18:39	0	0.992	1.00	100.00	100.00	0.464	0.464	1.00	35	BROMOFORM
37	19:57	0	0.847	1.00	100.00	100.00	0.928	0.928	1.00	37	4-METHYL-2-PENTANONE
38	21:30	0	0.913	1.00	100.00	100.00	0.341	0.341	1.00	38	2-HEXANONE
39	21:00	0	0.892	1.00	100.00	100.00	0.913	0.913	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	21:12	0	0.900	1.00	100.00	100.00	0.474	0.474	1.00	40	TETRACHLOROETHENE
41	22:33	0	0.958	1.00	100.00	100.00	0.302	0.302	1.00	41	BUTYL ACETATE
43	22:36	0	0.960	1.00	100.00	100.00	0.824	0.824	1.00	43	TOLUENE
44	23:39	0	1.004	1.00	100.00	100.00	1.068	1.068	1.00	44	CHLOROBENZENE
45	25:27	0	1.081	1.00	100.00	100.00	0.485	0.485	1.00	45	ETHYLBENZENE
47	28:42	0	1.219	1.00	100.00	100.00	1.005	1.005	1.00	47	STYRENE
48	28:57	0	1.229	1.00	100.00	100.00	0.650	0.650	1.00	48	M-XYLENE
49	29:39	0	1.259	1.00	100.00	100.00	0.602	0.602	1.00	49	O- & P-XYLENE
50	33:00	0	1.401	1.00	100.00	100.00	0.844	0.844	1.00	50	O-DICHLOROBENZENE
51	8:21	0	1.025	1.00	100.00	100.00	1.202	1.202	1.00	51	CYCLOPENTANE
52	28:57	0	1.229	1.00	100.00	100.00	0.650	0.650	1.00	52	XYLENE (TOTAL)
53	7:21	0	0.902	1.00	100.00	100.00	0.229	0.229	1.00	53	2-PROPANOL

PROCEDURE: TCA
DATA FILE: DOA100HV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/05/90 2:41:26

DNY050DHV (09/02/90 10:21) Calib. loaded on QWAD 9/02/90 15:11:18

< --- STANDARDS --- >				> --- PLUS UNKNOWN --- <				> --- LIST NAMES --- <	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	11	1	125	UMRET1/UMUNK1	
2	2	1	0	14	14	6	62	UMRET2/UMUNK2	
2	2	1	0	13	13	16	85	UMRET2/UMUNK3	
2	2	1	0	9	9	1	227	UMRET3/UMUNK4	
1	1	1	0	8	8	2	293	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 50 FOUND

< COMPOUND >			SEARCH					> SAT >		CHRO		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-165	164	164				128	163	-1	
2	UM	2	-20	21	21				50	304		
3	UM	3	-34	35	35				94	355		
4	UM	4	-45	46	46				62	466		
5	UM	5	-63	63	64		1		64	500		
6	UM	6	-101	100	99		-1		84	500		
7	UM	7	-121	120	119		-1		43	119		
8	UM	8	-124	123	120		-3	1000	56	120		
9	UM	9	-136	134					53	130		
10	UM	10	-134	132	132				76	132		
11	UM	11	-144	142	143		1		101	142		
12	UM	12	-160	158	159		1		96	158		
13	UM	53	-149	147					45	147	-1	
14	UM	13	-379	376	376				114	376		
15	UM	51	-168	166	167		1		55	167		
16	UM	14	-183	181	181				53	181		
17	UM	15	-187	185	185				71	184	-1	
18	UM	16	-199	197	197				96	197		
19	UM	17	-207	205	205				83	205		
20	UM	18	-225	223	222		-1		986	223		
21	UM	19	-223	221	220		-1		65	220		
22	UM	20	-230	228	228				72	228		
23	UM	21	-216	214	215		-1		997	215		
24	UM	22	-248	246	245		-1		97	245		
25	UM	23	-255	253	253				117	253		
26	UM	24	-266	264	264				43	264		
27	UM	25	-266	263	263			1000	83	264	1	
28	UM	26	-296	293	293				63	293		
29	UM	27	-303	300	299		-1		75	299		
30	UM	28	-314	311	311				130	311		
31	UM	29	-322	320	319		-1		129	319		
32	UM	30	-373	369	370		1		986	370		
33	UM	31	-327	324	324				97	324		
34	UM	32	-326	323	324		1		997	324		
35	UM	33	-331	328	326		-2	1000	75	327	1	
36	UM	34	-354	350	350				63	351	1	
37	UM	35	-377	373	373				173	373		
38	UM	36	-475	471	471				117	471		
39	UM	37	-408	403	399		-4		43	399		
40	UM	38	-438	433	431		-2		971	430	-1	
41	UM	39	-424	419	420		1		997	420		
42	UM	40	-427	422	424				83	420		
43	UM	41	-459	454	452		-2		164	454		
44	UM	42	-453	448	449		1		56	451	-1	
45	UM	43	-456	451	452		1		98	449		
46	UM	44	-477	470	473				92	452		
47	UM	45	-514	506	509		3		112	473		
48	UM	46	-556	547	548		1		106	509		
49	UM	47	-583	574	575		1		95	548		
50	UM	48	-588	578	579		1	1000	104	574	-1	
51	UM	49	-603	593	593		2		997	579		
52	UM	50	-678	666	661		-5		106	593		
									984			
									995	146	-1	

000226

DOA050HV₁

09/05/90 0312

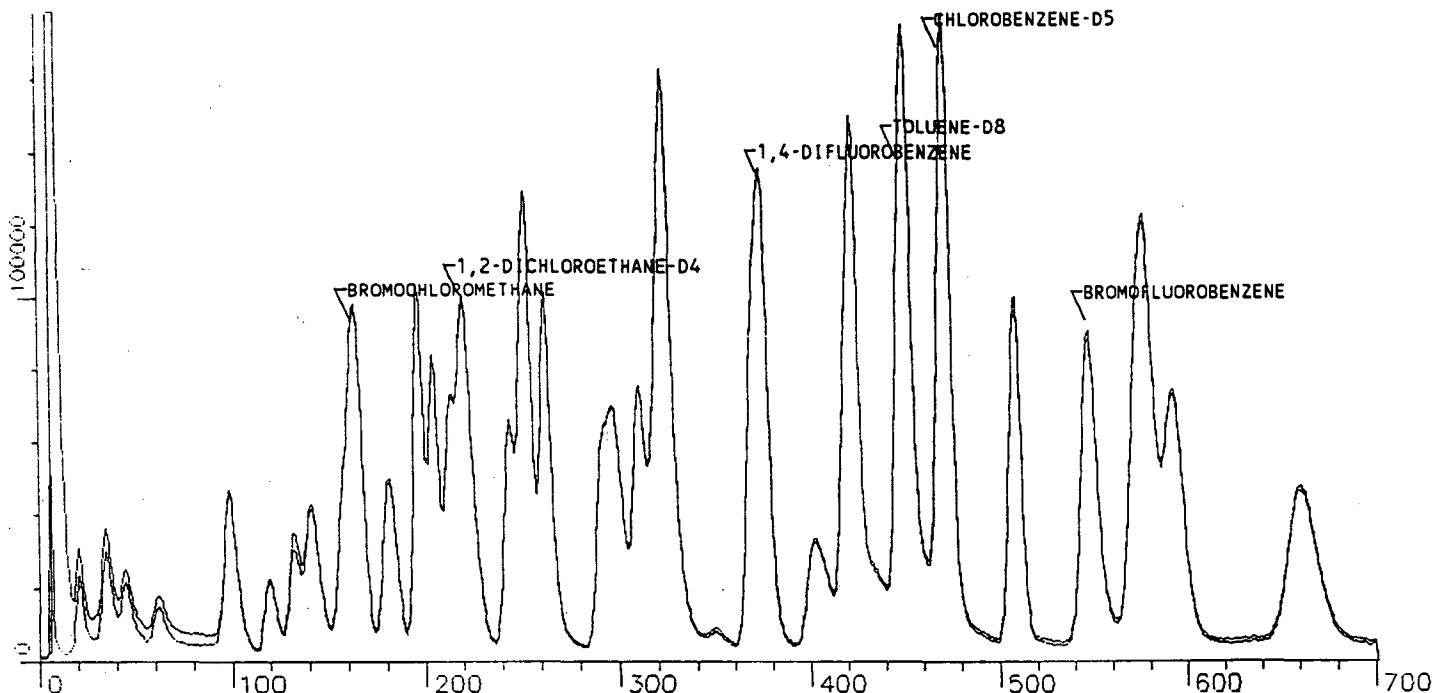
OWAD -- SJF

Sample: VSTD050 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	162	8:06	1	1.000	A BB	38185.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	375	18:45	13	1.000	A BB	173934.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	470	23:30	36	1.000	A BB	146919.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	219	10:57	1	1.352	A BB	131152.	50.000 PPB	100.0	19	1,2-DICHLOROETHANE-D4
42	98	447	22:21	36	0.951	A BB	202370.	50.000 PPB	100.0	42	TOLUENE-D8
46	95	548	27:24	36	1.166	A BB	158009.	50.000 PPB	100.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	8:06	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:45	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:30	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:57	0	1.352	1.00	50.00	50.00	3.435	3.435	1.00	19	1,2-DICHLOROETHANE-D4
42	22:21	0	0.951	1.00	50.00	50.00	1.377	1.377	1.00	42	TOLUENE-D8
46	27:24	0	1.166	1.00	50.00	50.00	1.075	1.075	1.00	46	BROMOFLUOROBENZENE

DOA050HV (09/05/90 3:12) RFs loaded on MSDP2 9/25/90 16:56:41

DOA050HV₂

09/05/90 0312

OWAD -- SJF

Sample: VSTD050 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	21	1:03	1	0.130	A BB	52434.	50.000 PPB		2	CHLOROMETHANE
3	94	35	1:45	1	0.216	A BV	50612.	50.000 PPB		3	BROMOMETHANE
4	62	45	2:15	1	0.278	A BB	49953.	50.000 PPB		4	VINYL CHLORIDE
5	64	62	3:06	1	0.383	A VB	33095.	50.000 PPB		5	CHLOROETHANE
6	84	99	4:57	1	0.611	A BB	59358.	50.000 PPB		6	METHYLENE CHLORIDE
7	43	119	5:57	1	0.735	A BB	89823.	50.000 PPB		7	ACETONE
8	56	121	6:03	1	0.747	A BB	13034.	50.000 PPB		8	ACROLEIN
9	53	132	6:36	1	0.815	A BB	23370.	50.000 PPB		9	ACRYLONITRILE
10	76	132	6:36	1	0.815	A BB	135891.	50.000 PPB		10	CARBON DISULFIDE
11	101	142	7:06	1	0.877	A BB	112762.	50.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	157	7:51	1	0.969	A BB	47764.	50.000 PPB		12	1,1-DICHLOROETHENE
14	63	180	9:00	1	1.111	A BV	119843.	50.000 PPB		14	1,1-DICHLOROETHANE
15	71	184	9:12	1	1.136	A BB	11606.	50.000 PPB		15	TETRAHYDROFURAN
16	96	196	9:48	1	1.210	A BB	114582.	100.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	204	10:12	1	1.259	A BB	150294.	50.000 PPB		17	CHLOROFORM
18	62	221	11:03	1	1.364	A BB	130789.	50.000 PPB		18	1,2-DICHLOROETHANE
20	72	226	11:18	1	1.395	A BB	13832.	50.000 PPB		20	2-BUTANONE
21	101	214	10:42	13	0.571	A BB	100219.	50.000 PPB		21	FREON TF
22	97	244	12:12	13	0.651	A BB	120630.	50.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	253	12:39	13	0.675	A BB	260660.	50.000 PPB		23	CARBON TETRACHLORIDE
24	43	263	13:09	13	0.701	A BB	164679.	50.000 PPB		24	VINYL ACETATE
25	83	263	13:09	13	0.701	A BB	137186.	50.000 PPB		25	BROMODICHLOROMETHANE
26	63	292	14:36	13	0.779	A BB	77984.	50.000 PPB		26	1,2-DICHLOROPROPANE
27	75	299	14:57	13	0.797	A BB	98380.	50.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	311	15:33	13	0.829	A BB	77025.	50.000 PPB		28	TRICHLOROETHENE
29	129	319	15:57	13	0.851	A BB	101916.	50.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	369	18:27	13	0.984	A BB	39916.	50.000 PPB		30	METHYLCYCLOHEXANE
31	97	324	16:12	13	0.864	A VB	72996.	50.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	323	16:09	13	0.861	A BB	180771.	50.000 PPB		32	BENZENE
33	75	326	16:18	13	0.869	A BB	30016.	16.050 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	63	350	17:30	13	0.933	A BB	3880.	50.000 PPB		34	2-CHLOROETHYL VINYLETHER
35	173	373	18:39	13	0.995	A BB	81925.	50.000 PPB		35	BROMOFORM
37	43	403	20:09	36	0.857	A BB	153588.	50.000 PPB		37	4-METHYL-2-PENTANONE
38	43	433	21:39	36	0.921	A BB	44478.	50.000 PPB		38	2-HEXANONE
39	83	419	20:57	36	0.891	A BB	151326.	50.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	423	21:09	36	0.900	A BB	75853.	50.000 PPB		40	TETRACHLOROETHENE
41	56	456	22:48	36	0.970	A BV	51357.	50.000 PPB		41	BUTYL ACETATE
43	92	451	22:33	36	0.960	A BB	128563.	50.000 PPB		43	TOLUENE
44	112	472	23:36	36	1.004	A BB	169166.	50.000 PPB		44	CHLOROBENZENE
45	106	508	25:24	36	1.081	A BB	77657.	50.000 PPB		45	ETHYLBENZENE
47	104	574	28:42	36	1.221	A BB	163017.	50.000 PPB		47	STYRENE
48	106	578	28:54	36	1.230	A BV	99669.	50.000 PPB		48	M-XYLENE
49	106	592	29:36	36	1.260	A VB	97961.	50.000 PPB		49	O- & P-XYLENE
50	146	661	33:03	36	1.406	A BB	143790.	50.000 PPB		50	O-DICHLOROBENZENE
51	55	166	8:18	1	1.025	A BB	48543.	50.000 PPB		51	CYCLOPENTANE
52	106	578	28:54	36	1.230	A BV	99669.	50.000 PPB		52	XYLENE (TOTAL)
53	45	149	7:27	1	0.920	A BB	10743.	50.000 PPB		53	2-PROPANOL

DOA050HV₃

09/05/90 0312

OWAD -- SJF

Sample: VSTD050 CRV#DOA

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AOUTEC

Volume: 5.000 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03	0	0.130	1.00	50.00	50.00	1.373	1.373	1.00	2	CHLOROMETHANE
3	1:45	0	0.216	1.00	50.00	50.00	1.325	1.325	1.00	3	BROMOMETHANE
4	2:15	0	0.278	1.00	50.00	50.00	1.308	1.308	1.00	4	VINYL CHLORIDE
5	3:06	0	0.383	1.00	50.00	50.00	0.867	0.867	1.00	5	CHLOROETHANE
6	4:57	0	0.611	1.00	50.00	50.00	1.554	1.554	1.00	6	METHYLENE CHLORIDE
7	5:57	0	0.735	1.00	50.00	50.00	2.352	2.352	1.00	7	ACETONE
8	6:03	0	0.747	1.00	50.00	50.00	0.341	0.341	1.00	8	ACROLEIN
9	6:36	0	0.815	1.00	50.00	50.00	0.612	0.612	1.00	9	ACRYLONITRILE
10	6:36	0	0.815	1.00	50.00	50.00	3.559	3.559	1.00	10	CARBON DISULFIDE
11	7:06	0	0.877	1.00	50.00	50.00	2.953	2.953	1.00	11	TRICHLOROFLUOROMETHANE
12	7:51	0	0.969	1.00	50.00	50.00	1.251	1.251	1.00	12	1,1-DICHLOROETHENE
14	9:00	0	1.111	1.00	50.00	50.00	3.138	3.138	1.00	14	1,1-DICHLOROETHANE
15	9:12	0	1.136	1.00	50.00	50.00	0.304	0.304	1.00	15	TETRAHYDROFURAN
16	9:48	0	1.210	1.00	100.00	100.00	1.500	1.500	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	10:12	0	1.259	1.00	50.00	50.00	3.936	3.936	1.00	17	CHLOROFORM
18	11:03	0	1.364	1.00	50.00	50.00	3.425	3.425	1.00	18	1,2-DICHLOROETHANE
20	11:18	0	1.395	1.00	50.00	50.00	0.362	0.362	1.00	20	2-BUTANONE
21	10:42	0	0.571	1.00	50.00	50.00	0.576	0.576	1.00	21	FREON 12
22	12:12	0	0.651	1.00	50.00	50.00	0.694	0.694	1.00	22	1,1,1-TRICHLOROETHANE
23	12:39	0	0.675	1.00	50.00	50.00	1.499	1.499	1.00	23	CARBON TETRACHLORIDE
24	13:09	0	0.701	1.00	50.00	50.00	0.947	0.947	1.00	24	VINYL ACETATE
25	13:09	0	0.701	1.00	50.00	50.00	0.789	0.789	1.00	25	BROMODICHLOROMETHANE
26	14:36	0	0.779	1.00	50.00	50.00	0.448	0.448	1.00	26	1,2-DICHLOROPROPANE
27	14:57	0	0.797	1.00	50.00	50.00	0.566	0.566	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:33	0	0.829	1.00	50.00	50.00	0.443	0.443	1.00	28	TRICHLOROETHENE
29	15:57	0	0.851	1.00	50.00	50.00	0.586	0.586	1.00	29	DIBROMOCHLOROMETHANE
30	18:27	0	0.984	1.00	50.00	50.00	0.229	0.229	1.00	30	METHYLCYCLOHEXANE
31	16:12	0	0.864	1.00	50.00	50.00	0.420	0.420	1.00	31	1,1,2-TRICHLOROETHANE
32	16:09	0	0.861	1.00	50.00	50.00	1.039	1.039	1.00	32	BENZENE
33	16:18	0	0.869	1.00	16.05	16.05	0.538	0.538	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	17:30	0	0.933	1.00	50.00	50.00	0.022	0.022	1.00	34	2-CHLOROETHYL VINYL ETHER
35	18:39	0	0.995	1.00	50.00	50.00	0.471	0.471	1.00	35	BROMOFORM
37	20:09	0	0.857	1.00	50.00	50.00	1.045	1.045	1.00	37	4-METHYL-2-PENTANONE
38	21:39	0	0.921	1.00	50.00	50.00	0.303	0.303	1.00	38	2-HEXANONE
39	20:57	0	0.891	1.00	50.00	50.00	1.030	1.030	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	21:09	0	0.900	1.00	50.00	50.00	0.516	0.516	1.00	40	TETRACHLOROETHENE
41	22:48	0	0.970	1.00	50.00	50.00	0.350	0.350	1.00	41	BUTYL ACETATE
43	22:33	0	0.960	1.00	50.00	50.00	0.875	0.875	1.00	43	TOLUENE
44	23:36	0	1.004	1.00	50.00	50.00	1.151	1.151	1.00	44	CHLOROBENZENE
45	25:24	0	1.081	1.00	50.00	50.00	0.529	0.529	1.00	45	ETHYLBENZENE
47	28:42	0	1.221	1.00	50.00	50.00	1.110	1.110	1.00	47	STYRENE
48	28:54	0	1.230	1.00	50.00	50.00	0.678	0.678	1.00	48	M-XYLENE
49	29:36	0	1.260	1.00	50.00	50.00	0.667	0.667	1.00	49	O- & P-XYLENE
50	33:03	0	1.406	1.00	50.00	50.00	0.979	0.979	1.00	50	O-DICHLOROBENZENE
51	8:18	0	1.025	1.00	50.00	50.00	1.271	1.271	1.00	51	CYCLOPENTANE
52	28:54	0	1.230	1.00	50.00	50.00	0.678	0.678	1.00	52	XYLENE (TOTAL)
53	7:27	0	0.920	1.00	50.00	50.00	0.281	0.281	1.00	53	2-PROPANOL

PROCEDURE: TCA
 DATA FILE: DDA050HV
 REFERENCE: JTAB11
 NAME LIST: UM
 REPORT: UMRET1

DIAGNOSTIC REPORT

9/05/90 3:56:06

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

DNY050DHV (09/02/90 10:21) Calib. loaded on DWAD 9/02/90 15:11:18

< ---- STANDARDS ---- >				> --- PLUS UNKNOWN --- <				> - LIST NAMES - <	
PRDC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	11	1	62	UMRET1/UMUNK1	
2	2	1	0	14	14	12	50	UMRET2/UMUNK2	
2	2	1	0	13	12	13	84	UMRET2/UMUNK3	
2	2	1	0	9	9	1	50	UMRET3/UMUNK4	
1	1	1	0	8	8	4	264	UMRET4/UMUNK5	

32 COMPOUNDS PROCESSED, 49 FOUND

< COMPOUND >			> SEARCH <				> SAT <		> CHRO <				
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-165	162	162		1	994		128	162		1
2	UM	2	-20	21	21		1	991		50	21		1
3	UM	3	-34	34	35	1	1	994		94	35		1
4	UM	4	-45	45	45		1	997		62	45		1
5	UM	5	-63	63	62	-1	1	998		64	62		1
6	UM	6	-101	100	99	-1	1	996		84	99		1
7	UM	7	-121	119	119		1	997		43	119		1
8	UM	8	-124	122	121	-1	1	997		56	121		1
9	UM	9	-136	134						53	133		1
10	UM	10	-134	132	132		1	1000		76	132		1
11	UM	11	-144	142	142		1	993		101	142		1
12	UM	12	-160	157	158	1	1	1000		96	157	-1	1
13	UM	53	-149	146						45			
14	UM	13	-375	375	375		1	989		114	375		1
15	UM	51	-168	165	166	1	1	991		55	166		1
16	UM	14	-183	180	180		1	993		63	180		1
17	UM	15	-187	184	184		1	983		71	184		1
18	UM	16	-199	196	196		1	998		96	196		1
19	UM	17	-207	204	204		2	994		83	204		1
20	UM	18	-225	222	221	-1	1	986		62	221		1
21	UM	19	-223	220	219	-1	2	995		65	219		1
22	UM	20	-230	227	227		3	997		72	226	-1	1
23	UM	21	-216	213	213		1	998		101	214	1	1
24	UM	22	-248	245	244	-1	1	997		97	244		1
25	UM	23	-255	252	252		1	946		117	252		1
26	UM	24	-266	263	263		1	995		43	263		1
27	UM	25	-266	263	263		1	997		83	263		1
28	UM	26	-296	292	292		1	991		63	292		1
29	UM	27	-303	299	299		3	999		75	299		1
30	UM	28	-314	310	311	1	1	999		130	311		1
31	UM	29	-323	319	319		1	993		129	319		1
32	UM	30	-373	369	369		1	986		98	369		1
33	UM	31	-327	323	324	1	1	997		97	324		1
34	UM	32	-326	322	323	1	3	999		78	323		1
35	UM	33	-331	327	325	-2	3	996		75	326		1
36	UM	34	-354	350						63	350		1
37	UM	35	-377	373	373		1	982		173	373		1
38	UM	36	-475	470	470		1	984		117	470		1
39	UM	37	-408	403	403		1	993		43	403		1
40	UM	38	-438	433	433		1	967		43	433		1
41	UM	39	-424	419	419		1	996		83	419		1
42	UM	40	-427	422	423	1	1	980		164	423		1
43	UM	41	-439	454	453	-1	1	1000		56			1
44	UM	42	-453	448	448		1	996		98	447	-1	1
45	UM	43	-456	451	451		1	997		92	451		1
46	UM	44	-477	469	472	3	1	998		112	472		1
47	UM	45	-514	505	508	3	1	994		106	508		1
48	UM	46	-556	546	547	1	1	998		95	548		1
49	UM	47	-593	573	574	1	1	1000		104	574		1
50	UM	48	-588	578	578		2	996		106	578		1
51	UM	49	-603	592	592		2	999		106	592		1
52	UM	50	-678	665	661	-4	1	995		146	661		1

000230

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: OWAD

Calibration Date: 09/07/90

Time: 1656

Lab File ID: DOA050GHV

Init. Calib. Date(s): 09/04/90

09/05/90

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

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

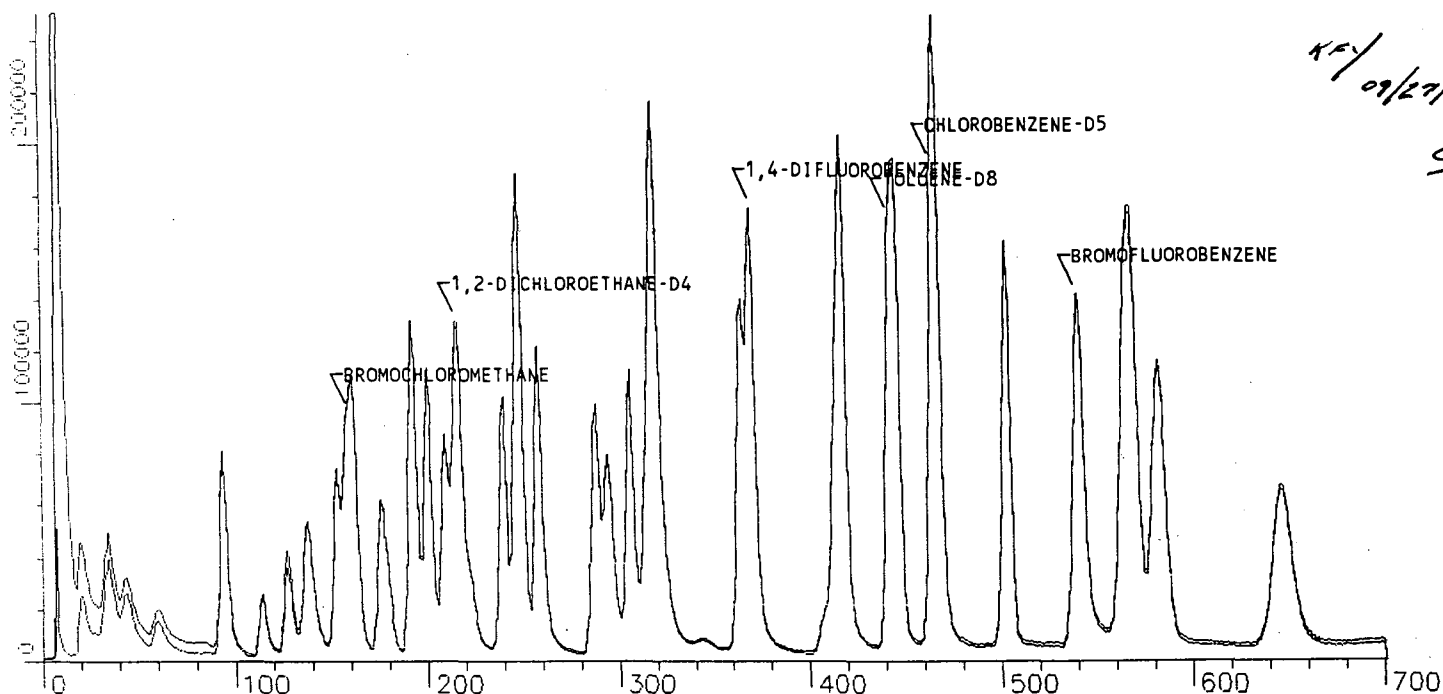
COMPOUND	RRF	RRF50	%D
Chloromethane	#1.369	1.556	13.7 #
Bromomethane	1.220	1.242	1.8
Vinyl Chloride	*1.289	1.392	8.0 *
Chloroethane	.806	.851	5.5
Methylene Chloride	1.453	1.485	2.2
Acetone	2.128	1.904	10.6
Carbon Disulfide	3.433	3.141	8.5
1,1-Dichloroethene	*1.171	1.149	1.9 *
1,1-Dichloroethane	#2.940	2.947	.2 #
1,2-Dichloroethene (total)	1.400	1.378	1.6
Chloroform	*3.706	3.801	2.5 *
1,2-Dichloroethane	3.217	3.471	7.9
2-Butanone	.341	.280	18.1
1,1,1-Trichloroethane	.650	.652	.4
Carbon Tetrachloride	.830	.562	32.3
Vinyl Acetate	.955	.554	41.9
Bromodichloromethane	.743	.684	7.9
1,2-Dichloropropane	*.423	.414	2.1 *
cis-1,3-Dichloropropene	.555	.481	13.4
Trichloroethene	.410	.414	1.0
Dibromochloromethane	.565	.487	13.8
1,1,2-Trichloroethane	.393	.378	3.9
Benzene	.971	.971	.1
trans-1,3-Dichloropropene	.554	.450	18.8
Bromoform	#.443	.359	19.0 #
4-Methyl-2-Pentanone	.950	.579	39.1
2-Hexanone	.384	.588	53.0
Tetrachloroethene	.471	.462	1.9
1,1,2,2-Tetrachloroethane	#.914	.748	18.1 #
Toluene	*.815	.780	4.3 *
Chlorobenzene	#1.053	1.021	3.1 #
Ethylbenzene	*.484	.472	2.5 *
Styrene	1.004	.960	4.4
Xylene (total)	.638	.654	2.6
Toluene-d8	1.245	1.225	1.6
Bromofluorobenzene	.947	.958	1.2
1,2-Dichloroethane-d4	3.152	3.487	10.6

Sample: VSTD050 CRV#DOA-G
 Conditions: GC/MS OWAD
 Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AOUTEC
 Volume: 5.000 ml

DOA050GHV₁

09/06/90 1656
 OWAD -- CMS
 09/07/90

RF/ 09/27/90
 3



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	158	7:54	1	1.000	A BB	42072.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	370	18:30	13	1.000	A BB	203698.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	464	23:12	36	1.000	A BB	174787.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	215	10:45	1	1.361	A BB	146691.	50.000 PPB	100.0	19	1,2-DICHLOROETHANE-D4
42	98	442	22:06	36	0.953	A BB	214122.	50.000 PPB	100.0	42	TOLUENE-D8
46	95	540	27:00	36	1.164	A BB	167459.	50.000 PPB	100.0	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	7:54	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:30	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:12	0	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:45	0	1.361	1.00	50.00	50.00	3.487	3.487	1.00	19	1,2-DICHLOROETHANE-D4
42	22:06	0	0.953	1.00	50.00	50.00	1.225	1.225	1.00	42	TOLUENE-D8
46	27:00	0	1.164	1.00	50.00	50.00	0.958	0.958	1.00	46	BROMOFLUOROBENZENE

DOA050GHV (09/06/90 16:56) RFs loaded on MSDP1 9/27/90 22:55:31

09/06/90 1656

OWAD -- CMS

Sample: VSTD050 CRV#DOA-G

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	50	21	1:03	1	0.133	A BB	65466.	50.000 PPB		2	CHLOROMETHANE
3	94	35	1:45	1	0.222	A BB	52250.	50.000 PPB		3	BROMOMETHANE
4	62	44	2:12	1	0.278	A BB	58562.	50.000 PPB		4	VINYL CHLORIDE
5	64	60	3:00	1	0.380	A VB	35783.	50.000 PPB		5	CHLOROETHANE
6	84	94	4:42	1	0.595	A BB	62472.	50.000 PPB		6	METHYLENE CHLORIDE
7	43	114	5:42	1	0.722	A BB	80089.	50.000 PPB		7	ACETONE
8	56	116	5:48	1	0.734	A BB	7826.	50.000 PPB		8	ACROLEIN
9	53	127	6:21	1	0.804	A BB	16479.	50.000 PPB		9	ACRYLONITRILE
10	76	127	6:21	1	0.804	A BV	132167.	50.000 PPB		10	CARBON DISULFIDE
11	101	138	6:54	1	0.873	A BB	125859.	50.000 PPB		11	TRICHLOROFLUOROMETHANE
12	96	153	7:39	1	0.968	A BB	48329.	50.000 PPB		12	1,1-DICHLOROETHENE
14	63	176	8:48	1	1.114	A BB	123991.	50.000 PPB		14	1,1-DICHLOROETHANE
15	71	179	8:57	1	1.133	A BB	8061.	50.000 PPB		15	TETRAHYDROFURAN
16	96	192	9:36	1	1.215	A BB	115912.	100.000 PPB		16	1,2-DICHLOROETHENE (TOTAL)
17	83	200	10:00	1	1.266	A BB	159896.	50.000 PPB		17	CHLOROFORM
18	62	217	10:51	1	1.373	A BB	146050.	50.000 PPB		18	1,2-DICHLOROETHANE
20	72	222	11:06	1	1.405	A BB	11768.	50.000 PPB		20	2-BUTANONE
21	101	209	10:27	13	0.565	A BB	97817.	50.000 PPB		21	FREON TF
22	97	240	12:00	13	0.649	A BB	132784.	50.000 PPB		22	1,1,1-TRICHLOROETHANE
23	117	247	12:21	13	0.668	A VB	114431.	50.000 PPB		23	CARBON TETRACHLORIDE
24	43	259	12:57	13	0.700	A VB	112946.	50.000 PPB		24	VINYL ACETATE
25	83	258	12:54	13	0.697	A BB	139368.	50.000 PPB		25	BROMODICHLOROMETHANE
26	63	288	14:24	13	0.778	A BB	84297.	50.000 PPB		26	1,2-DICHLOROPROPANE
27	75	294	14:42	13	0.795	A BB	97910.	50.000 PPB		27	CIS-1,3-DICHLOROPROPENE
28	130	306	15:18	13	0.827	A BB	84331.	50.000 PPB		28	TRICHLOROETHENE
29	129	314	15:42	13	0.849	A BB	99230.	50.000 PPB		29	DIBROMOCHLOROMETHANE
30	98	364	18:12	13	0.984	A BB	43116.	50.000 PPB		30	METHYLCYCLOHEXANE
31	97	319	15:57	13	0.862	A VB	76950.	50.000 PPB		31	1,1,2-TRICHLOROETHANE
32	78	318	15:54	13	0.859	A BB	197802.	50.000 PPB		32	BENZENE
33	75	322	16:06	13	0.870	A BB	29418.	16.050 PPB		33	TRANS-1,3-DICHLOROPROPENE
34	NOT FOUND										
35	173	369	18:27	13	0.997	A BB	73029.	50.000 PPB		34	2-CHLOROETHYL VINYLETHER
37	43	410	20:30	36	0.884	A BB	101127.	50.000 PPB		35	BROMOFORM
38	43	445	22:15	36	0.959	A BB	22015.	50.000 PPB		37	4-METHYL-2-PENTANONE
39	83	414	20:42	36	0.892	A BB	130694.	50.000 PPB		38	2-HEXANONE
40	164	417	20:51	36	0.899	A BB	80755.	50.000 PPB		39	1,1,2,2-TETRACHLOROETHANE
41	56	442	22:06	36	0.953	A BB	5454.	50.000 PPB		40	TETRACHLOROETHENE
43	92	446	22:18	36	0.961	A BB	136271.	50.000 PPB		41	BUTYL ACETATE
44	112	467	23:21	36	1.006	A BB	178437.	50.000 PPB		43	TOLUENE
45	106	503	25:09	36	1.084	A BB	82486.	50.000 PPB		44	CHLOROBENZENE
47	104	564	28:12	36	1.216	A BV	167751.	50.000 PPB		45	ETHYLBENZENE
48	106	569	28:27	36	1.226	A BV	114347.	50.000 PPB		47	STYRENE
49	106	582	29:06	36	1.254	A VB	107267.	50.000 PPB		48	M-XYLENE
50	146	646	32:18	36	1.392	A BB	139477.	50.000 PPB		49	O- & P-XYLENE
51	55	162	8:06	1	1.025	A BB	49606.	50.000 PPB		50	O-DICHLOROBENZENE
52	106	569	28:27	36	1.226	A BV	114347.	50.000 PPB		51	CYCLOPENTANE
53	45	140	7:00	1	0.886	A BB	5222.	50.000 PPB		52	XYLENE (TOTAL)
										53	2-PROPANOL

Sample: VSTD050 CRV#DOA-G

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD

Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

09/06/90 1656

OWAD -- CMS

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03	0	0.133	1.00	50.00	50.00	1.556	1.556	1.00	2	CHLOROMETHANE
3	1:45	0	0.222	1.00	50.00	50.00	1.242	1.242	1.00	3	BROMOMETHANE
4	2:12	0	0.278	1.00	50.00	50.00	1.392	1.392	1.00	4	VINYL CHLORIDE
5	3:00	0	0.380	1.00	50.00	50.00	0.851	0.851	1.00	5	CHLOROETHANE
6	4:42	0	0.595	1.00	50.00	50.00	1.485	1.485	1.00	6	METHYLENE CHLORIDE
7	5:42	0	0.722	1.00	50.00	50.00	1.904	1.904	1.00	7	ACETONE
8	5:48	0	0.734	1.00	50.00	50.00	0.186	0.186	1.00	8	ACROLEIN
9	6:21	0	0.804	1.00	50.00	50.00	0.392	0.392	1.00	9	ACRYLONITRILE
10	6:21	0	0.804	1.00	50.00	50.00	3.141	3.141	1.00	10	CARBON DISULFIDE
11	6:54	0	0.873	1.00	50.00	50.00	2.991	2.991	1.00	11	TRICHLOROFLUOROMETHANE
12	7:39	0	0.968	1.00	50.00	50.00	1.149	1.149	1.00	12	1,1-DICHLOROETHENE
14	8:48	0	1.114	1.00	50.00	50.00	2.947	2.947	1.00	14	1,1-DICHLOROETHANE
15	8:57	0	1.133	1.00	50.00	50.00	0.192	0.192	1.00	15	TETRAHYDROFURAN
16	9:36	0	1.215	1.00	100.00	100.00	1.378	1.378	1.00	16	1,2-DICHLOROETHENE (TOTAL)
17	10:00	0	1.266	1.00	50.00	50.00	3.800	3.800	1.00	17	CHLOROFORM
18	10:51	0	1.373	1.00	50.00	50.00	3.471	3.471	1.00	18	1,2-DICHLOROETHANE
20	11:06	0	1.405	1.00	50.00	50.00	0.280	0.280	1.00	20	2-BUTANONE
21	10:27	0	0.565	1.00	50.00	50.00	0.480	0.480	1.00	21	FREON TF
22	12:00	0	0.649	1.00	50.00	50.00	0.652	0.652	1.00	22	1,1,1-TRICHLOROETHANE
23	12:21	0	0.668	1.00	50.00	50.00	0.562	0.562	1.00	23	CARBON TETRACHLORIDE
24	12:57	0	0.700	1.00	50.00	50.00	0.554	0.554	1.00	24	VINYL ACETATE
25	12:54	0	0.697	1.00	50.00	50.00	0.684	0.684	1.00	25	BROMODICHLOROMETHANE
26	14:24	0	0.778	1.00	50.00	50.00	0.414	0.414	1.00	26	1,2-DICHLOROPROPANE
27	14:42	0	0.795	1.00	50.00	50.00	0.481	0.481	1.00	27	CIS-1,3-DICHLOROPROPENE
28	15:18	0	0.827	1.00	50.00	50.00	0.414	0.414	1.00	28	TRICHLOROETHENE
29	15:42	0	0.849	1.00	50.00	50.00	0.487	0.487	1.00	29	DIBROMOCHLOROMETHANE
30	18:12	0	0.984	1.00	50.00	50.00	0.212	0.212	1.00	30	METHYLCYCLOHEXANE
31	15:57	0	0.862	1.00	50.00	50.00	0.378	0.378	1.00	31	1,1,2-TRICHLOROETHANE
32	15:54	0	0.859	1.00	50.00	50.00	0.971	0.971	1.00	32	BENZENE
33	16:06	0	0.870	1.00	16.05	16.05	0.450	0.450	1.00	33	TRANS-1,3-DICHLOROPROPENE
34	16:21	0	0.926	1.00	50.00	50.00	0.359	0.359	1.00	34	2-CHLOROETHYL VINYLETHER
35	18:27	0	0.997	1.00	50.00	50.00	0.579	0.579	1.00	35	BROMOFORM
37	20:30	0	0.884	1.00	50.00	50.00	0.126	0.126	1.00	37	4-METHYL-2-PENTANONE
38	22:15	0	0.959	1.00	50.00	50.00	0.748	0.748	1.00	38	2-HEXANONE
39	20:42	0	0.892	1.00	50.00	50.00	0.462	0.462	1.00	39	1,1,2,2-TETRACHLOROETHANE
40	20:51	0	0.899	1.00	50.00	50.00	0.031	0.031	1.00	40	TETRACHLOROETHENE
41	22:06	0	0.953	1.00	50.00	50.00	0.780	0.780	1.00	41	BUTYL ACETATE
43	22:18	0	0.961	1.00	50.00	50.00	1.021	1.021	1.00	43	TOLUENE
44	23:21	0	1.006	1.00	50.00	50.00	0.472	0.472	1.00	44	CHLOROBENZENE
45	25:09	0	1.084	1.00	50.00	50.00	0.960	0.960	1.00	45	ETHYLBENZENE
47	28:12	0	1.216	1.00	50.00	50.00	0.654	0.654	1.00	47	STYRENE
48	28:27	0	1.226	1.00	50.00	50.00	0.614	0.614	1.00	48	M-XYLENE
49	29:06	0	1.254	1.00	50.00	50.00	0.798	0.798	1.00	49	O- & P-XYLENE
50	32:18	0	1.392	1.00	50.00	50.00	1.179	1.179	1.00	50	O-DICHLOROBENZENE
51	8:06	0	1.025	1.00	50.00	50.00	0.654	0.654	1.00	51	CYCLOPENTANE
52	28:27	0	1.226	1.00	50.00	50.00	0.124	0.124	1.00	52	XYLENE (TOTAL)
53	7:00	0	0.886	1.00	50.00	50.00				53	2-PROPANOL

DOA050GHV 4

09/06/90 1656

OWAD -- CMS

Sample: VSTD050 CRV#DOA-G

Conditions: GC/MS OWAD

Method: 624 Matrix: STANDARD Curve: DOA Submitted by: AQUATEC

Volume: 5.000 ml

Scan	Time	Height	Amount	Ref	Name
158	7.90	62233.	50.0	1	BROMOCHLOROMETHANE
370	18.50	80125.	50.0	13	1,4-DIFLUOROBENZENE
465	23.25	106191.	50.0	36	CHLOROBENZENE-D5
248	12.40	182688.	146.8	1	UNKNOWN
466	23.30	242000.	113.9	36	UNKNOWN
161	8.05	105594.	84.8	1	UNKNOWN
365	18.25	134486.	83.9	13	UNKNOWN
567	28.35	167430.	78.8	36	UNKNOWN
8	0.40	50450.	40.5	1	UNKNOWN
241	12.05	26176.	21.0	1	UNKNOWN

Asp

PROCEDURE: TCA
DATA FILE: DDA050GHV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/8/90 17:35:35
09/07/90 Lip 9/27/90

DDA050AHV (09/05/90 5:44) Calib. loaded on DWAD 9/05/90 5:52.18

STANDARDS				PLUS UNKNOWNNS				LIST NAMES	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	11	2	92	UMRET1/UMUNK1	
2	1	1	259	14	14	16	40	UMRET2/UMUNK2	
3	1	1	0	13	12	32	50	UMRET2/UMUNK3	
4	1	1	0	9	8	2	500	UMRET3/UMUNK4	
5	1	1	0	8	8	2	212	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 48 FOUND

COMPOUND			SEARCH					SAT		CHRO		
NO	LIS	ENTRY	REF	PRED	SEL	DELTA	PEAKS	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-163	158	158		1	128	158			
2	UM	2	-121	21	21		1	50	50			
3	UM	3	-138	34	35		1	94	94			
4	UM	4	-49	44	44		1	62	62			
5	UM	5	-26	61	60		1	64	60			
6	UM	6	-98	95	94		1	64	64			
7	UM	7	-119	115	114		1	40	114			
8	UM	8	-121	117	116		1	56	116			
9	UM	9	-130	128			1	50	128			
10	UM	10	-130	127	127		1	76	127			
11	UM	11	-140	137	138		1	101	138			
12	UM	12	-150	152	153		1	96	153			
13	UM	13	-147	142			1	45	140			
14	UM	14	-375	369	370		1	114	370			
15	UM	15	-166	161	162		1	55	162			
16	UM	16	-181	176	176		1	63	176			
17	UM	17	-184	179	180		1	71	179			
18	UM	18	-197	192	192		1	96	192			
19	UM	19	-200	200	200		1	82	200			
20	UM	20	-200	217	217		1	62	200			
21	UM	21	-200	215	215		1	65	215			
22	UM	22	-227	222	223		1	72	223			
23	UM	23	-209	209	209		1	101	209			
24	UM	24	-240	240	240		1	97	240			
25	UM	25	-247	247	247		1	117	247			
26	UM	26	-258	258	258		1	43	258			
27	UM	27	-258	258	258		1	83	258			
28	UM	28	-294	294	294		1	63	294			
29	UM	29	-306	306	306		1	75	306			
30	UM	30	-314	314	315		1	130	314			
31	UM	31	-324	324	324		1	129	324			
32	UM	32	-318	318	318		1	98	318			
33	UM	33	-321	321	322		1	97	321			
34	UM	34	-346	346			1	75	346			
35	UM	35	-373	368	369		1	63	369			
36	UM	36	-470	465	465		1	173	465			
37	UM	37	-404	401	410		9	117	404			
38	UM	38	-424	429			1	43	410			
39	UM	39	-419	415	414		1	43	414			
40	UM	40	-422	419	417		1	83	417			
41	UM	41	-437	450	444		1	164	444			
42	UM	42	-447	441	442		1	56	442			
43	UM	43	-451	443	446		1	98	446			
44	UM	44	-472	465	467		1	92	467			
45	UM	45	-508	501	503		1	112	467			
46	UM	46	-547	539	540		1	106	503			
47	UM	47	-573	565	565		1	95	540			
48	UM	48	-577	568	569		1	104	564			
49	UM	49	-592	583	582		1	106	569			
50	UM	50	-659	649	646		1	106	582			
								146	646			

000236

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID (Standard): DOA050GHV

Date Analyzed: 09/07/90

Instrument ID: OWAD

Time Analyzed: 1656

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

Column: (pack/cap) PACK

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT	AREA #	RT	AREA #	RT
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	42072	7.90	203698	18.50	174787	23.20
=====	=====	=====	=====	=====	=====	=====
UPPER LIMIT	84144		407396		349574	
=====	=====	=====	=====	=====	=====	=====
LOWER LIMIT	21036		101849		87394	
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKB7	37971	8.00	164925	18.55	143373	23.30
02 TRIP BLANK	37562	7.90	177007	18.50	150908	23.20
03 907601	37569	7.90	174240	18.45	146717	23.20
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

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

Column used to flag internal standard area values with an asterisk

VOLATILE ORGANIC ANALYSIS

RAW QC DATA PACKAGE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403

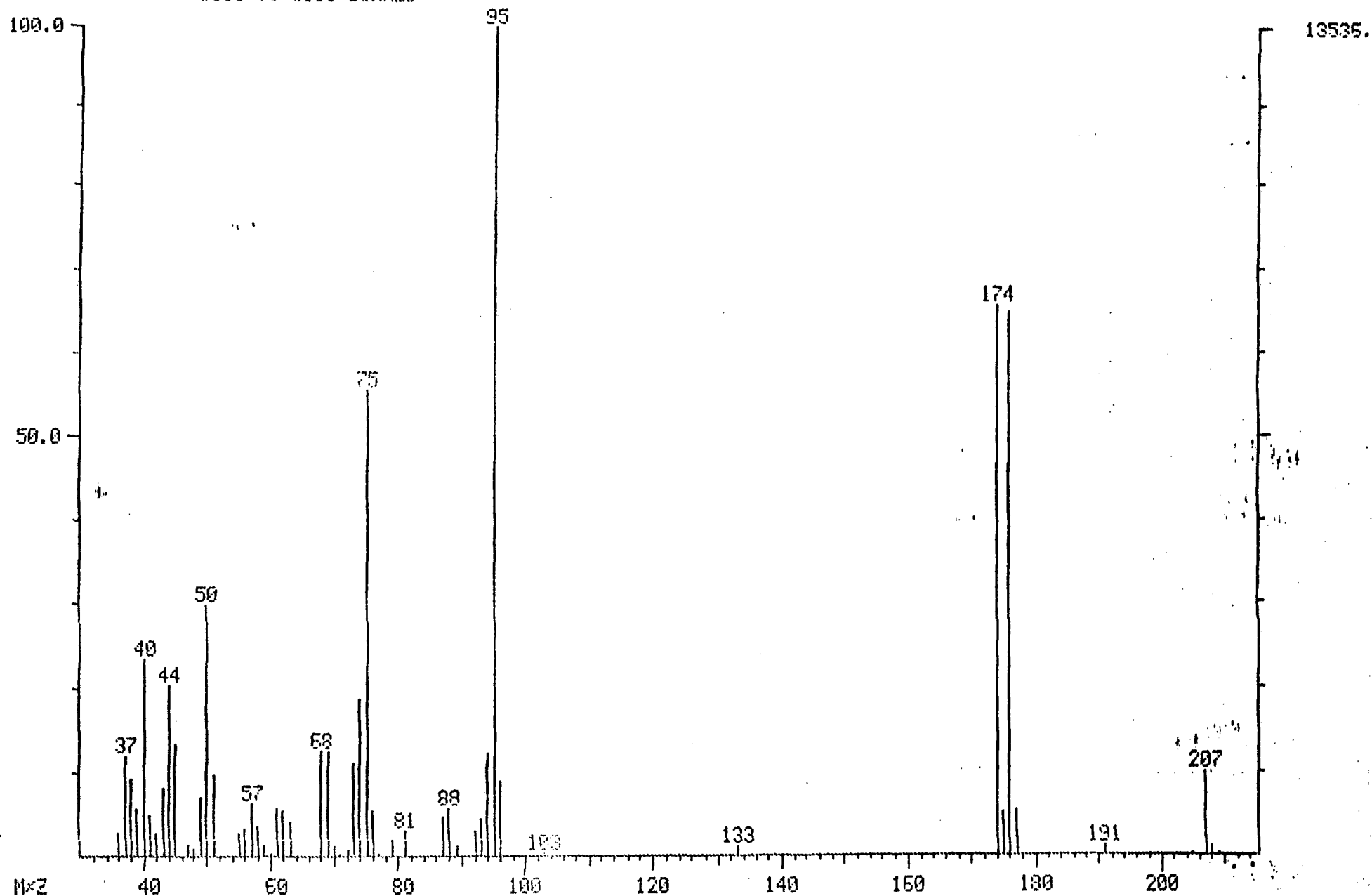
TEL. 802/658-1074

MASS SPECTRUM
09/04/90 22:16:00 + 5:36
SAMPLE: 8FED02
CONDS.: GC/MS ONAD
#111 TO #113 SUMMED

DATA: D12003PU #112
CAL1: D12003PU #2

BASE M/Z: 95
RIC: 81152.

000238



Mass List
 09/04/90 22:16:00 + 5:36
 Sample: BFBD02
 Conds.: GC/MS QWAD
 #111 to #113 Summed

Data: DNZ003PV # 112
 Cali: DNZ003PV # 2

Base m/z: 95
 RIC: 81152.

36 209 Mass	0.00 % RA	0.00 % RIC	# Inten.	Minima Maxima Mass	Min inten:	0. % RA % RIC	Inten.
36.00?	2.79	0.47	378.	191.00	1.14	0.19	154.
37.00?	11.78	1.96	1594.	205.00	0.24	0.04	32.
38.00?	9.18	1.53	1242.	207.00	10.03	1.67	1338.
39.00?	5.77	0.96	781.	208.00	1.14	0.19	154.
40.00?	23.46	3.91	3176.	209.00	0.24	0.04	32.
41.00?	4.89	0.82	662.				
42.00?	2.58	0.43	349.				
43.00?	8.04	1.34	1088.				
44.00?	20.12	3.36	2724.				
45.00?	13.21	2.20	1798.				
47.00?	1.45	0.24	196.				
48.00?	0.73	0.12	99.				
49.00?	6.93	1.16	938.				
50.00?	29.85	4.98	4040.				
51.00?	9.81	1.64	1328.				
55.00?	2.71	0.45	367.				
56.00?	3.11	0.52	421.				
57.00?	6.31	1.05	854.				
58.00?	3.62	0.60	490.				
59.00?	1.36	0.23	184.				
60.00?	0.30	0.05	41.				
61.00?	5.59	0.93	757.				
62.00?	5.49	0.92	743.				
63.00?	3.97	0.66	537.				
68.00?	12.41	2.07	1680.				
69.00?	12.34	2.06	1670.				
70.00	1.15	0.19	156.				
71.00	0.30	0.05	41.				
72.00	0.93	0.16	126.				
73.00	11.07	1.85	1498.				
74.00	18.65	3.11	2524.				
75.00	55.26	9.22	7480.				
76.00	5.32	0.89	720.				
77.00	0.37	0.06	50.				
79.00	1.91	0.32	259.				
81.00	2.90	0.48	392.				
87.00	4.49	0.75	608.				
88.00	5.77	0.96	781.				
89.00	1.18	0.20	160.				
92.00	3.03	0.51	410.				
93.00	4.17	0.70	565.				
94.00	11.98	2.00	1622.				
95.00	100.00	16.68	13536.				
96.00	8.85	1.48	1198.				
103.00	0.24	0.04	33.				
133.00	1.06	0.18	143.				
174.00	65.60	10.94	8880.				
175.00	5.19	0.87	703.				
176.00	64.66	10.78	8752.				
177.00	5.51	0.92	746.				

MASS CHROMATOGRAMS

09/04/90 22:15:00

SAMPLE: BFB002

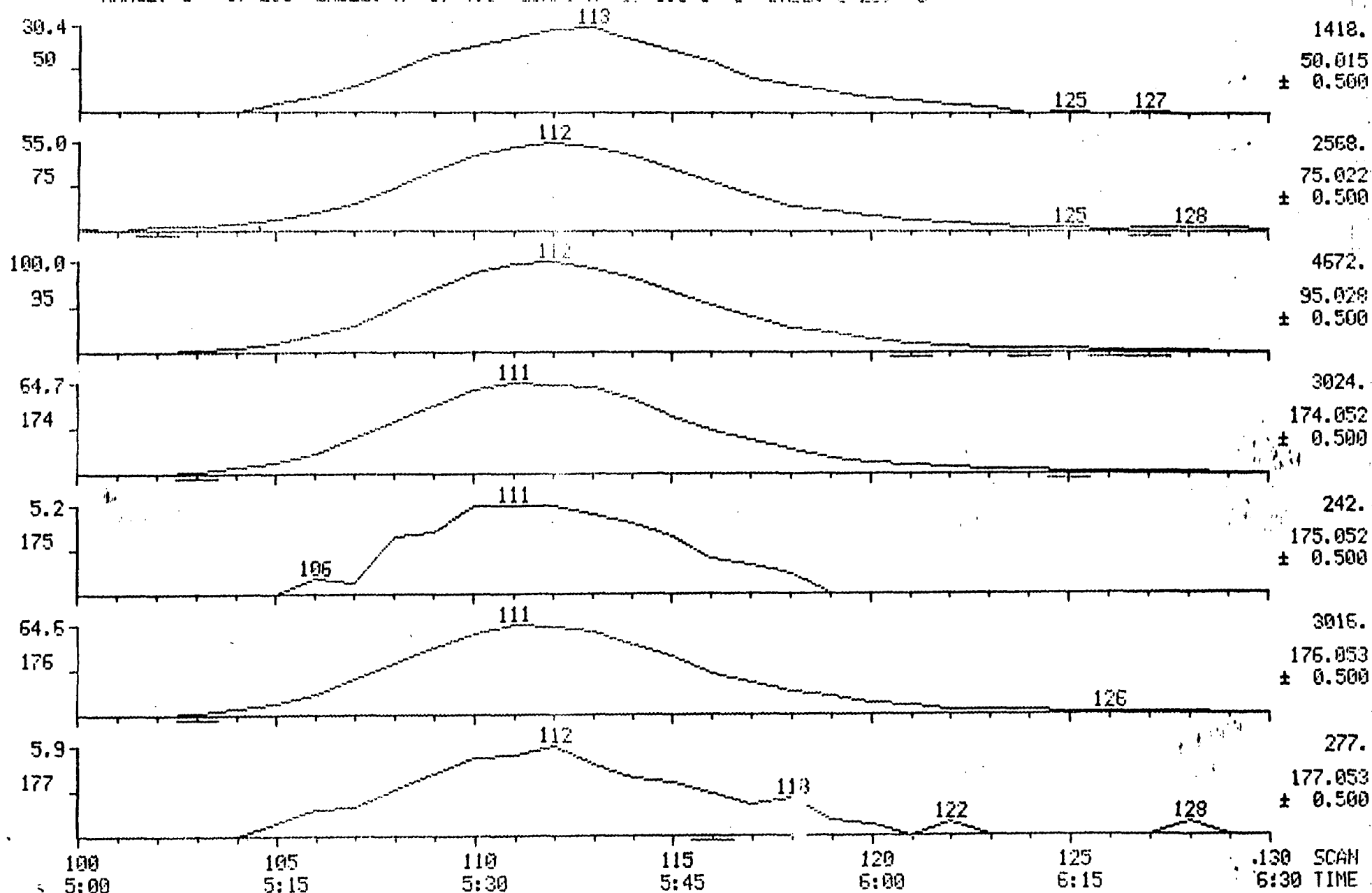
CONDS.: GC/MS QHAD

RANGE: G 1, 280 LABEL: N 0, 4.0 QUAT: A 0, 1.0 J 0 BASE: U 20, 3

DATA: DH2003PU #1

SCANS 100 TO 130

CALL: DH2003PU #2



MASS SPECTRUM

09/07/90 15:43:00 + 5:21

SAMPLE: BF8007

COND.: GC/MS QWAD

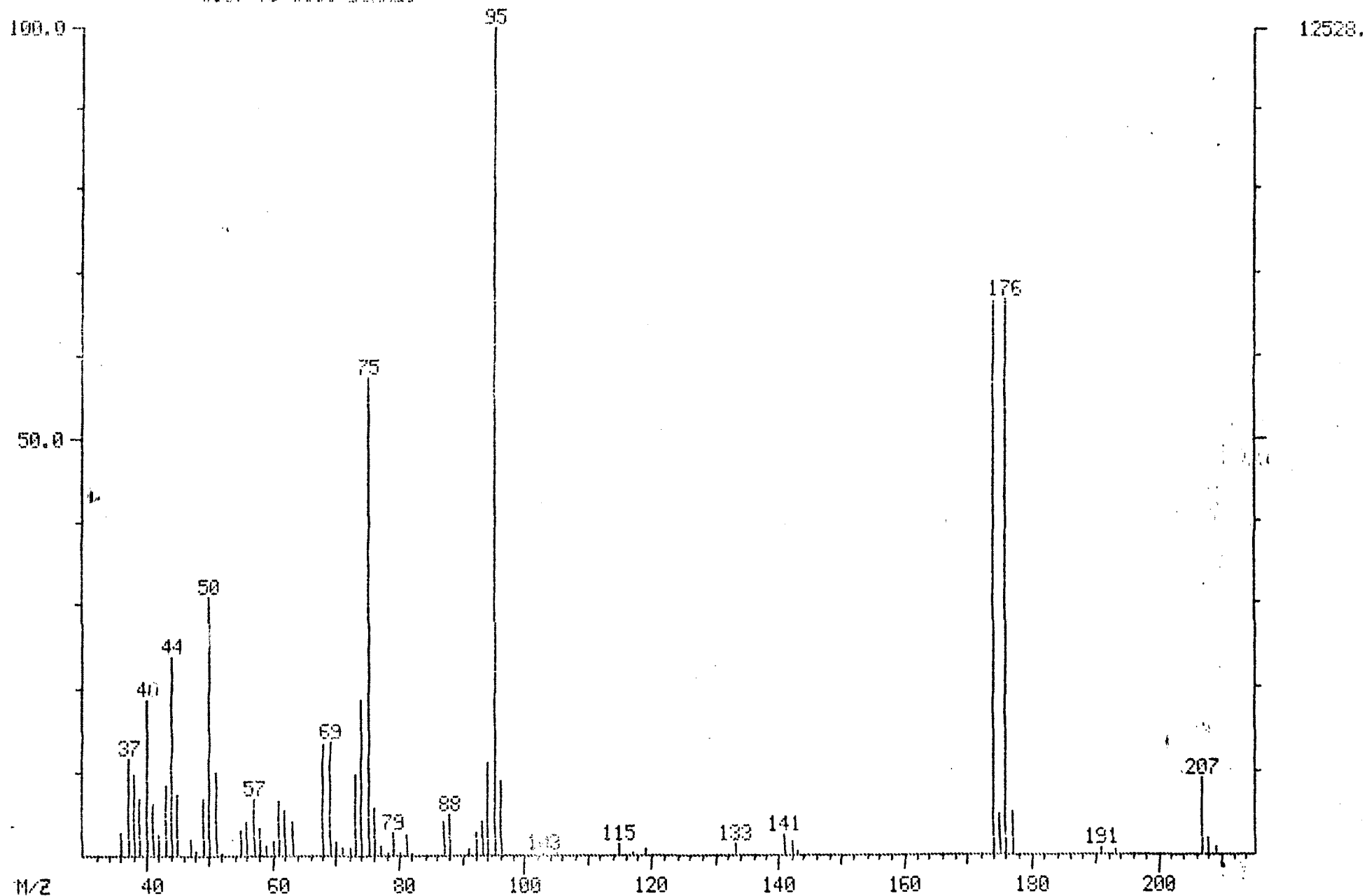
#107 TO #108 SUMMED

DATA: 000007PV #107

CALI: 000007PV #2

BASE M/Z: 95

RIC: 76672.



Mass List *09/07/90* *09/27/90*
 09/07/90 16:43:00 + 5:21
 Sample: BFBD07
 Conds.: GC/MS QWAD
 #107 to #108 Summed

Data: DDA007PV # 107
 Call: DDA007PV # 2

Base m/z: 95
 RIC: 76672.

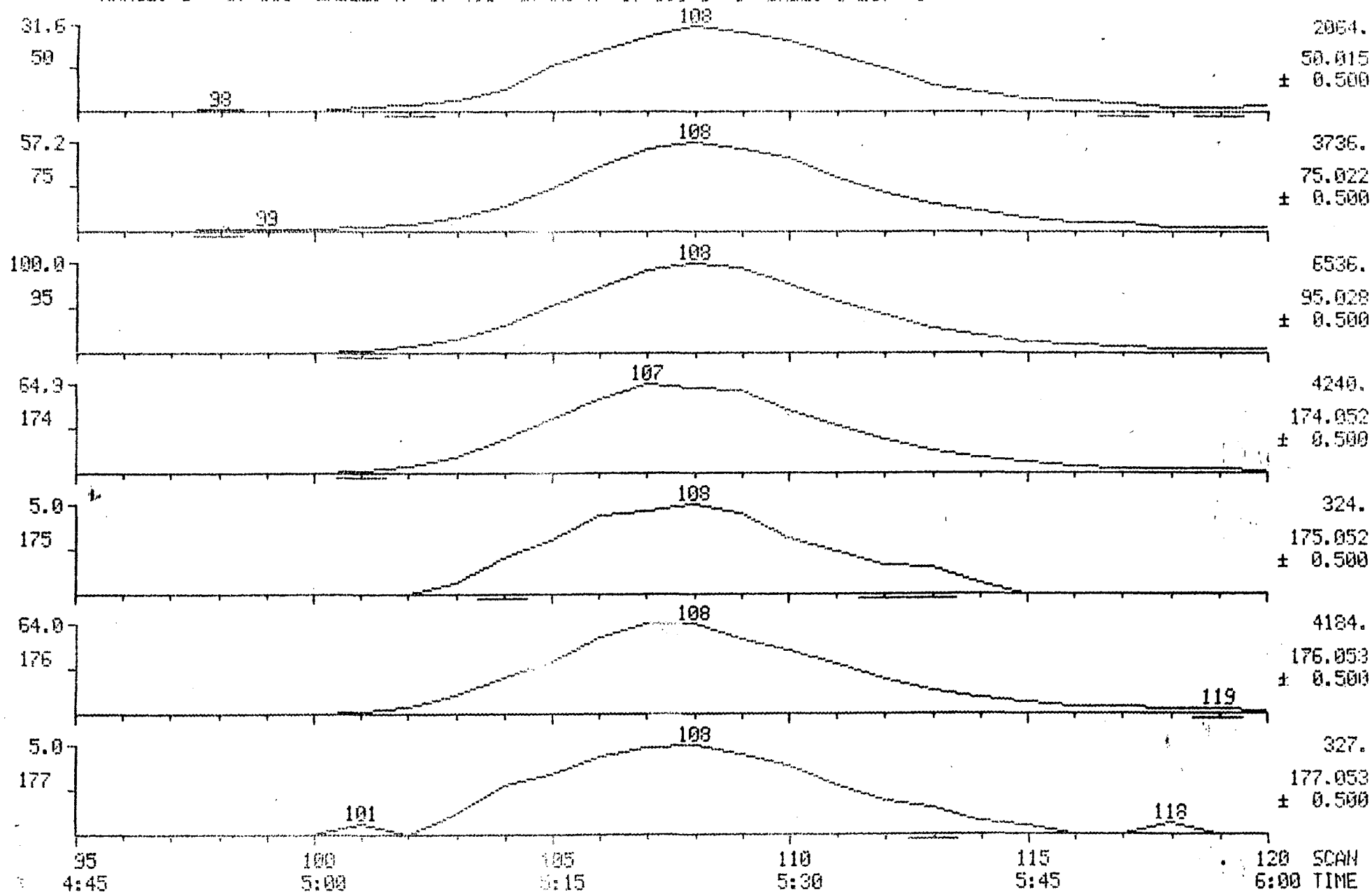
36 209 Mass	0.00 % RA	0.00 % RIC	0 # Inten.	Minima Maxima Mass	Min inten:	0 % RA % RIC	Inten.
36.00?	2.58	0.42	323.	115.00	1.29	0.21	161.
37.00?	11.59	1.89	1452.	117.00	0.31	0.05	33.
38.00?	9.71	1.59	1216.	119.00	0.79	0.10	99.
39.00?	6.60	1.08	827.	133.00	1.27	0.21	169.
40.00?	18.55	3.03	2324.	141.00	2.35	0.28	310.
41.00?	6.13	1.00	768.	142.00	1.63	0.27	210.
42.00?	2.51	0.41	315.	143.00	0.57	0.09	71.
43.00?	8.21	1.34	1028.	174.00	66.41	10.85	8320.
44.00?	23.53	3.84	2948.	175.00	4.96	0.81	581.
45.00?	7.19	1.18	901.	176.00	66.67	10.89	8362.
47.00?	1.96	0.32	246.	177.00	5.17	0.85	443.
48.00?	0.45	0.07	57.	191.00	0.79	0.13	99.
49.00?	6.68	1.09	837.	193.00	0.42	0.07	52.
50.00?	30.87	5.04	3868.	207.00	9.05	1.43	1104.
51.00?	9.85	1.61	1234.	208.00	1.84	0.30	220.
52.00?	0.26	0.04	33.	209.00	0.85	0.14	107.
55.00?	2.94	0.48	368.				
56.00?	3.98	0.65	499.				
57.00?	6.80	1.11	852.				
58.00?	3.24	0.53	406.				
59.00?	1.17	0.19	146.				
60.00?	1.64	0.27	205.				
61.00?	6.38	1.04	799.				
62.00?	5.40	0.88	677.				
63.00?	4.12	0.67	516.				
68.00?	13.06	2.13	1636.				
69.00	13.46	2.20	1686.				
70.00	1.58	0.26	198.				
71.00	0.77	0.13	97.				
72.00	0.74	0.12	93.				
73.00	9.66	1.58	1210.				
74.00	18.55	3.03	2324.				
75.00	57.34	9.37	7184.				
76.00	5.52	0.90	692.				
77.00	1.07	0.17	134.				
78.00	0.26	0.04	32.				
79.00	2.63	0.43	330.				
80.00	0.35	0.06	44.				
81.00	2.35	0.38	295.				
82.00	0.26	0.04	33.				
87.00	4.00	0.65	501.				
88.00	4.75	0.78	595.				
91.00	0.69	0.11	87.				
92.00	2.71	0.44	339.				
93.00	3.98	0.65	498.				
94.00	10.92	1.78	1368.				
95.00	100.00	16.34	12528.				
96.00	8.86	1.45	1110.				
103.00	0.28	0.05	35.				
105.00	0.26	0.04	33.				

09/07/90
 09/05/90 16:43:00
 SAMPLE: BFB007
 COND.: GC/MS QMAD

DATA: D0A007PV #1
 CALI: D0A007PV #2

SCANS 95 TO 120

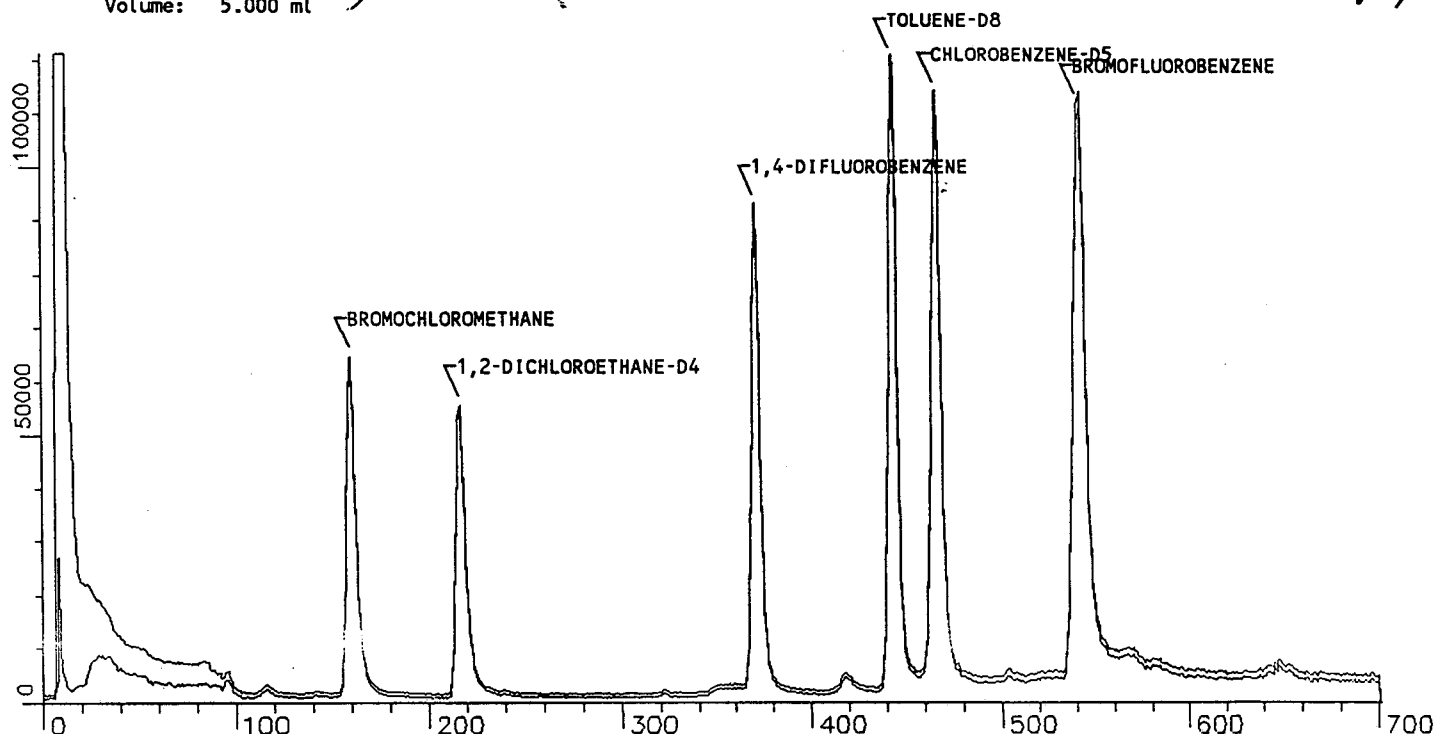
RANGE: G 1.153 LABEL: N 0.4.0 QMAD: A 0.1.0 J 0 BASE: U 20, 3



Sample: BLANK SMO#VBLKB7
 Conditions: GC/MS QWAD
 Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
 Volume: 5.000 ml

DOAB001GV 1

09/06/90 1804
 QWAD -- CMS
 09/07/90 cip 9/27/90



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	128	160	8:00	1	1.000	A BB	37971.	50.000 PPB		1	BROMOCHLOROMETHANE
13	114	371	18:33	13	1.000	A BB	164925.	50.000 PPB		13	1,4-DIFLUOROBENZENE
36	117	466	23:18	36	1.000	A BB	143373.	50.000 PPB		36	CHLOROBENZENE-D5
19	65	217	10:51	1	1.356	A BB	128997.	48.718 PPB	97.4	19	1,2-DICHLOROETHANE-04
42	98	443	22:09	36	0.951	A BB	184811.	52.611 PPB	105.2	42	TOLUENE-D8
46	95	541	27:03	36	1.161	A BB	143659.	52.292 PPB	104.6	46	BROMOFLUOROBENZENE

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	7:54	-6	1.000	1.00	50.00	50.00	1.000	1.000	1.00	1	BROMOCHLOROMETHANE
13	18:30	-3	1.000	1.00	50.00	50.00	1.000	1.000	1.00	13	1,4-DIFLUOROBENZENE
36	23:12	-6	1.000	1.00	50.00	50.00	1.000	1.000	1.00	36	CHLOROBENZENE-D5
19	10:45	-6	1.361	1.00	48.72	50.00	3.397	3.487	0.97	19	1,2-DICHLOROETHANE-D4
42	22:06	-3	0.953	1.00	52.61	50.00	1.289	1.225	1.05	42	TOLUENE-D8
46	27:00	-3	1.164	1.00	52.29	50.00	1.002	0.958	1.05	46	BROMOFLUOROBENZENE

DOA050GHV (09/06/90 16:56) RFs loaded on QWAD 9/06/90 17:54:01

Sample: BLANK SMO#VBLKB7
 Conditions: GC/MS OWAD
 Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
 Volume: 5.000 ml

DOAB001GV 2

09/06/90 1804

OWAD -- CMS

09/07/90 Cip 9/27/90

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
~~2~~	~~50~~	~~22~~	~~1:06~~	~~1~~	~~0.138~~	~~A BB~~	~~1933.~~	~~1.636 PPB~~	~~Cip~~	2	CHLOROMETHANE
~~3~~	~~94~~	~~35~~	~~1:45~~	~~1~~	~~0.219~~	~~A BB~~	~~152.~~	~~0.161 PPB~~		3	BROMOMETHANE
4	NOT FOUND									4	VINYL CHLORIDE
5	NOT FOUND									5	CHLOROETHANE
6	84	96	4:48	1	0.600	A BB	2183.	1.936 PPB		6	METHYLENE CHLORIDE
7	43	116	5:48	1	0.725	A BB	8627.	5.967 PPB		7	ACETONE
8	NOT FOUND									8	ACROLEIN
9	NOT FOUND									9	ACRYLONITRILE
10	NOT FOUND									10	CARBON DISULFIDE
11	NOT FOUND									11	TRICHLOROFLUOROMETHANE
12	NOT FOUND									12	1,1-DICHLOROETHENE
14	NOT FOUND									14	1,1-DICHLOROETHANE
15	NOT FOUND									15	TETRAHYDROFURAN
16	NOT FOUND									16	1,2-DICHLOROETHENE (TOTAL)
17	NOT FOUND									17	CHLOROFORM
18	NOT FOUND									18	1,2-DICHLOROETHANE
20	NOT FOUND									20	2-BUTANONE
21	NOT FOUND									21	FREON TF
22	NOT FOUND									22	1,1,1-TRICHLOROETHANE
23	NOT FOUND									23	CARBON TETRACHLORIDE
24	NOT FOUND									24	VINYL ACETATE
25	NOT FOUND									25	BROMODICHLOROMETHANE
26	NOT FOUND									26	1,2-DICHLOROPROPANE
27	NOT FOUND									27	CIS-1,3-DICHLOROPROPENE
28	NOT FOUND									28	TRICHLOROETHENE
29	NOT FOUND									29	DIBROMOCHLOROMETHANE
30	NOT FOUND									30	METHYLCYCLOHEXANE
31	NOT FOUND									31	1,1,2-TRICHLOROETHANE
32	78	322	16:06	13	0.868	A BB	1412.	0.441 PPB		32	BENZENE
33	NOT FOUND									33	TRANS-1,3-DICHLOROPROPENE
34	NOT FOUND									34	2-CHLOROETHYL VINYLETHER
35	NOT FOUND									35	BROMOFORM
37	NOT FOUND									37	4-METHYL-2-PENTANONE
38	NOT FOUND									38	2-HEXANONE
39	83	417	20:51	36	0.895	A BB	1004.	0.468 PPB		39	1,1,2,2-TETRACHLOROETHANE
40	164	419	20:57	36	0.899	A BB	180.	0.136 PPB		40	TETRACHLOROETHENE
41	NOT FOUND									41	BUTYL ACETATE
43	92	446	22:18	36	0.957	A BB	1321.	0.591 PPB		43	TOLUENE
44	112	468	23:24	36	1.004	A BB	1346.	0.460 PPB		44	CHLOROBENZENE
45	106	504	25:12	36	1.082	A BB	611.	0.452 PPB		45	ETHYLBENZENE
47	104	565	28:15	36	1.212	A BB	2118.	0.770 PPB		47	STYRENE
48	106	570	28:30	36	1.223	A BB	1765.	0.941 PPB	Cip	48	M-XYLENE
49	106	584	29:12	36	1.253	A BB	1470.	0.835 PPB		49	O- & P-XYLENE
50	146	648	32:24	36	1.391	A BB	4826.	2.109 PPB		50	O-DICHLOROBENZENE Cip
51	NOT FOUND									51	CYCLOPENTANE
52	106	570	28:30	36	1.223	A*BB	3235.	1.724 PPB	Cip	52	XYLENE (TOTAL)
53	NOT FOUND									53	2-PROPANOL

Sample: BLANK SMO#VBLKB7
 Conditions: GC/MS OWAD
 Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
 Volume: 5.000 ml

DOAB001GV₃

09/06/90 1804
 OWAD -- CMS

09/07/90 Cip 9/27/90

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	1:03	-3	0.133	1.03	1.64	50.00	0.051	1.556	0.03	2	CHLOROMETHANE
3	1:45	0	0.222	0.99	0.16	50.00	0.004	1.242	0.00	3	BROMOMETHANE
4	2:12		0.278							4	VINYL CHLORIDE
5	3:00		0.380							5	CHLOROETHANE
6	4:42	-6	0.595	1.01	1.94	50.00	0.057	1.485	0.04	6	METHYLENE CHLORIDE
7	5:42	-6	0.722	1.00	5.97	50.00	0.227	1.904	0.12	7	ACETONE
8	5:48		0.734							8	ACROLEIN
9	6:21		0.804							9	ACRYLONITRILE
10	6:21		0.804							10	CARBON DISULFIDE
11	6:54		0.873							11	TRICHLOROFLUOROMETHANE
12	7:39		0.968							12	1,1-DICHLOROETHENE
14	8:48		1.114							14	1,1-DICHLOROETHANE
15	8:57		1.133							15	TETRAHYDROFURAN
16	9:36		1.215							16	1,2-DICHLOROETHENE (TOTAL)
17	10:00		1.266							17	CHLOROFORM
18	10:51		1.373							18	1,2-DICHLOROETHANE
20	11:06		1.405							20	2-BUTANONE
21	10:27		0.565							21	FREON TF
22	12:00		0.649							22	1,1,1-TRICHLOROETHANE
23	12:21		0.668							23	CARBON TETRACHLORIDE
24	12:57		0.700							24	VINYL ACETATE
25	12:54		0.697							25	BROMODICHLOROMETHANE
26	14:24		0.778							26	1,2-DICHLOROPROPANE
27	14:42		0.795							27	CIS-1,3-DICHLOROPROPENE
28	15:18		0.827							28	TRICHLOROETHENE
29	15:42		0.849							29	DIBROMOCHLOROMETHANE
30	18:12		0.984							30	METHYLCYCLOHEXANE
31	15:57		0.862							31	1,1,2-TRICHLOROETHANE
32	15:54	-12	0.859	1.01	0.44	50.00	0.009	0.971	0.01	32	BENZENE
33	16:06		0.870							33	TRANS-1,3-DICHLOROPROPENE
34	17:09		0.932							34	2-CHLOROETHYL VINYLETHER
35	18:27		0.997							35	BROMOFORM
37	20:30		0.884							37	4-METHYL-2-PENTANONE
38	20:30		0.884							38	2-HEXANONE
39	20:42	-9	0.892	1.00	0.47	50.00	0.007	0.748	0.01	39	1,1,2,2-TETRACHLOROETHANE
40	20:51	-6	0.899	1.00	0.14	50.00	0.001	0.462	0.00	40	TETRACHLOROETHENE
41	22:06		0.953							41	BUTYL ACETATE
43	22:18	0	0.961	1.00	0.59	50.00	0.009	0.780	0.01	43	TOLUENE
44	23:21	-3	1.006	1.00	0.46	50.00	0.009	1.021	0.01	44	CHLOROBENZENE
45	25:09	-3	1.004	1.00	0.45	50.00	0.004	0.472	0.01	45	ETHYLBENZENE
47	28:12	-3	1.216	1.00	0.77	50.00	0.015	0.960	0.02	47	STYRENE
48	28:27	-3	1.226	1.00	0.94	50.00	0.012	0.654	0.02	48	M-XYLENE
49	29:06	-6	1.254	1.00	0.84	50.00	0.010	0.614	0.02	49	O- & P-XYLENE
50	32:18	-6	1.392	1.00	2.11	50.00	0.034	0.798	0.04	50	O-DICHLOROBENZENE
51	8:06		1.025							51	CYCLOPENTANE
52	28:27	-3	1.226	1.00	1.72	50.00	0.023	0.654	0.03	52	XYLENE (TOTAL)
53	7:00		0.886							53	2-PROPANOL

Sample: BLANK SMO#VBLK87
Conditions: GC/MS OWAD
Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
Volume: 5.000 ml

DOAB001GV¹⁹

09/06/90 1804
OWAD -- CMS

09/07/90 c.p. 9/27/90

Summary of Tentatively Identified Compounds

Rank	Scan	Dec. Time	En.RIC Height	Est. Amount	Ref	Name
~~1~~	~~9~~	~~0.45~~	~~588799.~~	~~577.3~~	~~1~~	~~UNKNOWN~~ <i>CO₂</i>
ISTD	160	8.00	50998.	50.0	1	BROMOCHLOROMETHANE
ISTD	371	18.55	59178.	50.0	13	1,4-DIFLUOROBENZENE
ISTD	466	23.30	81448.	50.0	36	CHLOROBENZENE-D5
~~2~~	~~542~~	~~27.10~~	~~93183.~~	~~57.2~~	~~36~~	~~UNKNOWN~~ <i>SS#46</i>

*Ø TIC's for reporting
cip*

PROCEDURE: TCA
DATA FILE: DOAB001GV
REFERENCE: JTAB11
NAME LIST: UM
REPORT: UMRET1

DIAGNOSTIC REPORT

9/26/90 18:43:53
09/07/90 CJP 9/27/90

DOA050AHV (09/05/90 5:44) Calib. loaded on DWAD 9/05/90 6:52:18

<----- STANDARDS ----->				<----- PLUS UNKNOWN ----->				<----- LIST NAMES ----->	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	13	4	2	126	UMRET1/UMUNK1	
2	2	1	0	14	4	1	255	UMRET2/UMUNK2	
3	2	1	0	13	3	1	216	UMRET2/UMUNK3	
3	2	1	0	9	7	3	105	UMRET3/UMUNK4	
1	1	1	0	8	7	4	151	UMRET4/UMUNK5	

52 COMPOUNDS PROCESSED, 20 FOUND

< COMPOUND >			SEARCH					< SAT >		CHRD			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	UM	1	-163	160	160		1	992		128	160		1
2	UM	2	-21	23	24	1	2	995		50	22	-2	1
3	UM	3	-35	37						94	35		1
4	UM	4	-45	46						62			
5	UM	5	-63	63						64			
6	UM	6	-98	97	96	-1	1	1000		84	96		1
7	UM	7	-119	117	116	-1	1	999		43	116		1
8	UM	8	-121	119						56			
9	UM	9	-133	130						53			
10	UM	10	-132	129						76			
11	UM	11	-142	139						101			
12	UM	12	-158	154						94			
13	UM	53	-147	144						45			
14	UM	13	-375	371	371		1	991		114	371		1
15	UM	51	-166	164						55			
16	UM	14	-181	179						63			
17	UM	15	-184	182						71			
18	UM	16	-197	195						96			
19	UM	17	-205	203						83			
20	UM	18	-222	220						62			
21	UM	19	-220	218	217	-1	1	995		65	217		1
22	UM	20	-227	225	228	3	1	933		72			
23	UM	21	-214	212						101			
24	UM	22	-245	243						97			
25	UM	23	-252	250						117			
26	UM	24	-263	261						43			
27	UM	25	-263	260						53			
28	UM	26	-293	290						63			
29	UM	27	-299	296						75			
30	UM	28	-311	308						130			
31	UM	29	-319	316						129			
32	UM	30	-370	367						99			
33	UM	31	-324	321						97			
34	UM	32	-323	320	322	2	1	985		78	322		1
35	UM	33	-324	323						75			
36	UM	34	-351	348						63			
37	UM	35	-373	370						173			
38	UM	36	-470	466	466		1	988		117	466		1
39	UM	37	-404	401						43			
40	UM	38	-434	430	431	1	1	977		43			
41	UM	39	-419	416	417	1	1	841		83	417		1
42	UM	40	-423	419						164	419		1
43	UM	41	-457	453	454	1	3	983		56			
44	UM	42	-447	443	443		1	995		98	443		1
45	UM	43	-451	447	446	-1	1	901		92	446		1
46	UM	44	-472	466						112	466		1
47	UM	45	-508	502	503	1	1	953		106	504	1	1
48	UM	46	-547	540	541	1	1	998		95	541		1
49	UM	47	-573	566	567	1	1	978		104	566	-2	1
50	UM	48	-577	570	570		2	985		106	570		1
51	UM	49	-592	584	584		2	992		106	584		1
52	UM	50	-659	650	648	-2	1	929		146	648		1

000248

Sample: BLANK SMO#VBLKB7
Conditions: GC/MS OWAD
Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
Volume: 5.000 ml

DOAB001GV 7

09/06/90 1804

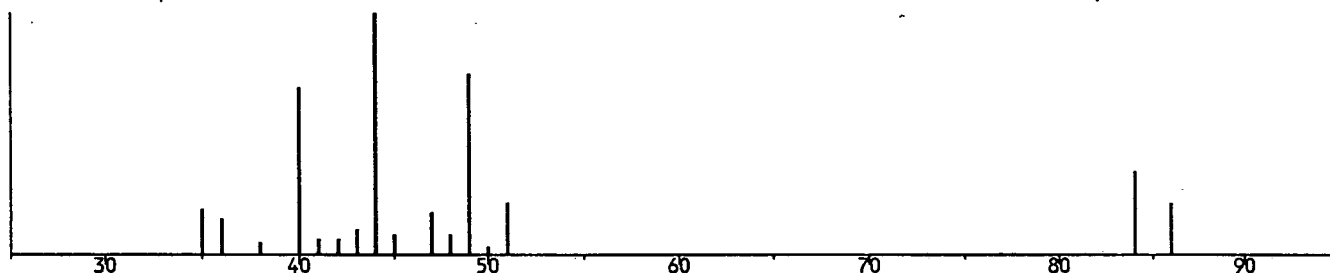
OWAD -- CMS

09/07/90 Cip 9/27/90

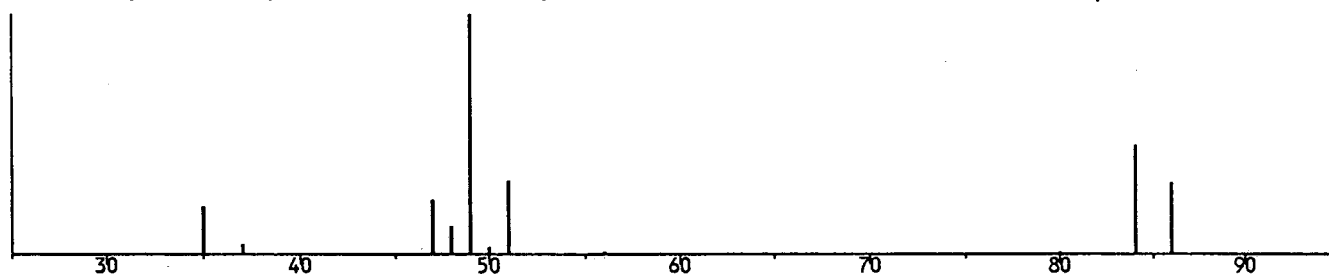
LIBRARYUM#6

METHYLENE CHLORIDE

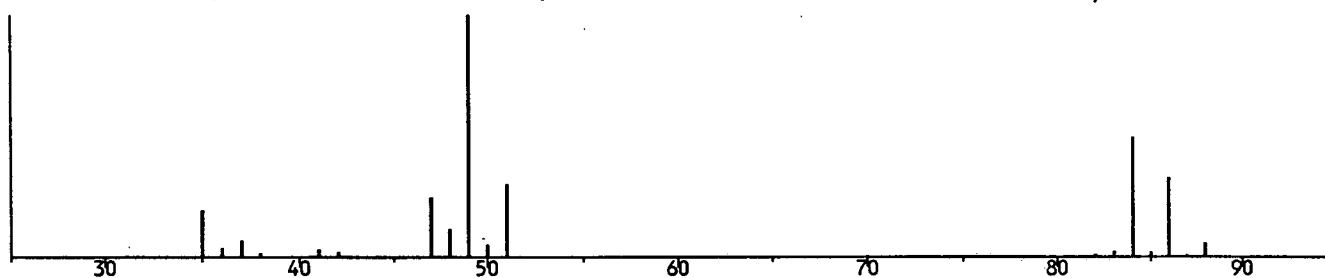
Unenhanced spectrum -- Scan # 96 Base m/z: 44 --- RIC: 5672. Max intensity: 1362



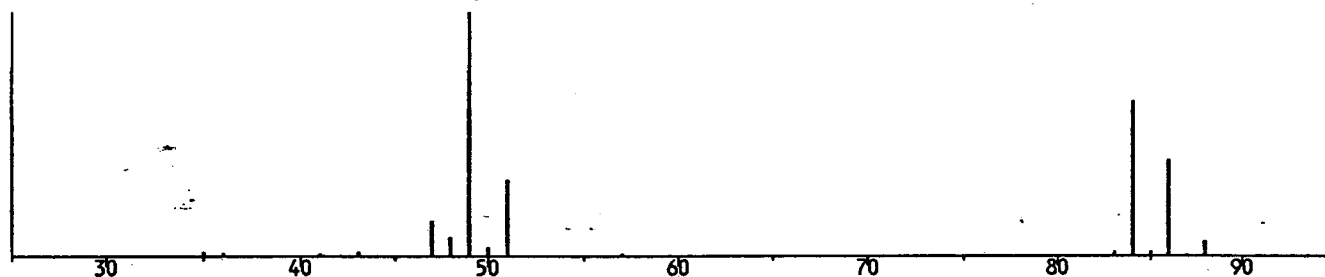
Enhanced (S 15B 2N 0T) -- Scan # 96 Base m/z: 49 --- RIC: 2632. Max intensity: 983



Enhanced DOA050GHV -- Scan # 94 Base m/z: 49 --- RIC: 73728. Max intensity: 24416



LIBRARYUM#6 CAS: 75-09-2 METHANE, DICHLORO- (CH₂Cl₂)



Sample: BLANK SMO#VBLKB7
Conditions: GC/MS OWAD
Method: 624 Matrix: WATER BLANK Submitted by: AQUATEC
Volume: 5.000 ml

DOAB001GV₈

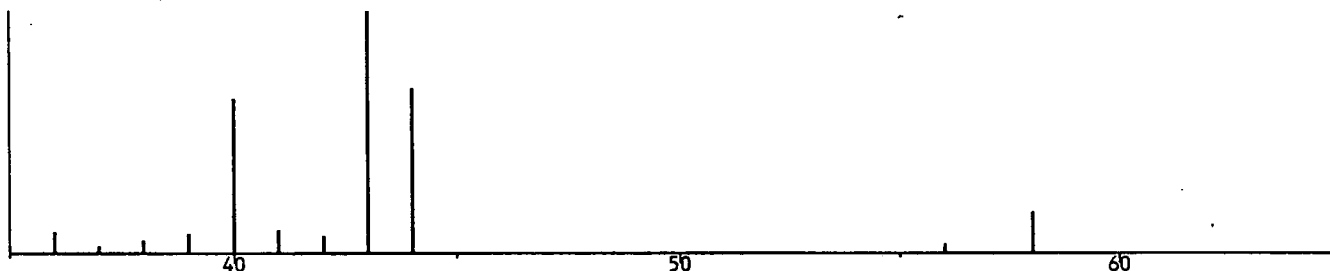
09/06/90 1804
OWAD -- CMS

09/07/90 cip 9/27/90

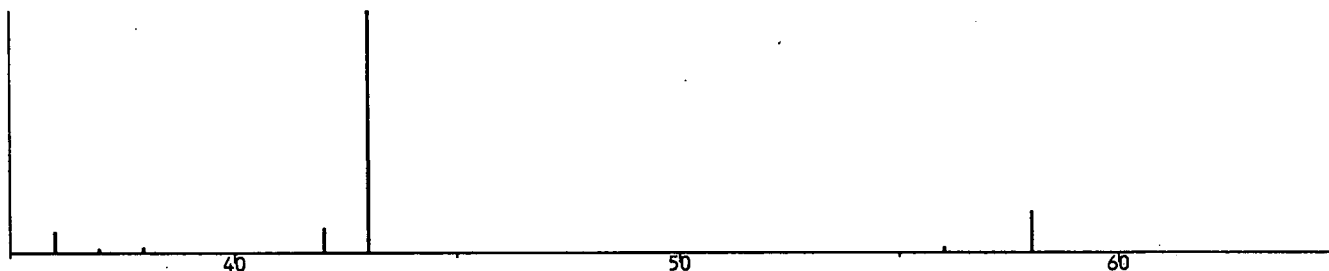
LIBRARYUM#7

ACETONE

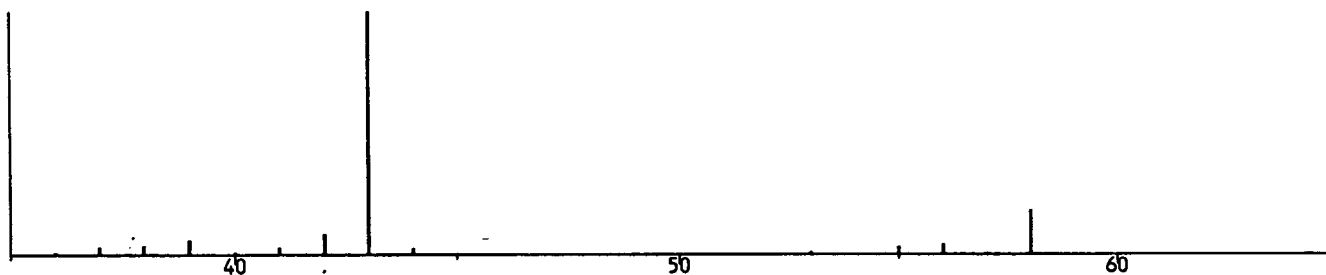
Unenhanced spectrum -- Scan # 116 Base m/z: 43 --- RIC: 3484. Max intensity: 1186



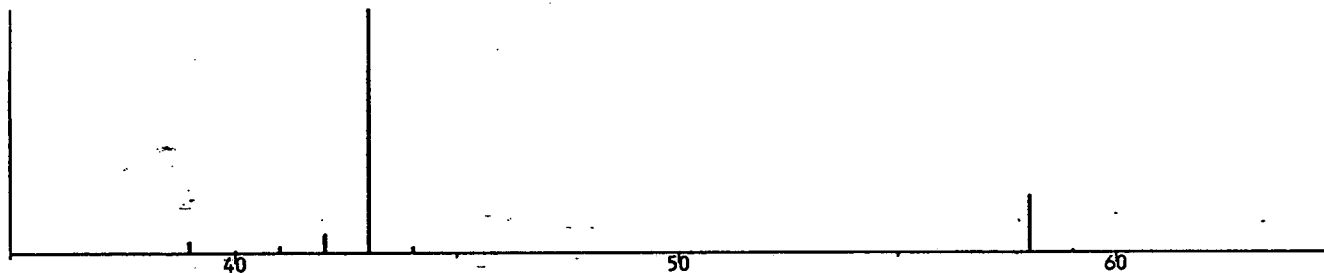
Enhanced (S 15B 2N 0T) -- Scan # 116 Base m/z: 43 --- RIC: 1392. Max intensity: 980



Enhanced DOA050GHV -- Scan # 114 Base m/z: 43 --- RIC: 22400. Max intensity: 14288



LIBRARYUM#7 CAS: 67-64-1 2-PROPANONE (C3H6O)



QC SUMMARY



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	SBLKL8	61	65	70	41	64	60		0
02	907601	62	69	77	39	61	61		0
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

S1 (NBZ) = Nitrobenzene-d5	QC LIMITS
S2 (EBP) = 2-Fluorobiphenyl	(35-114)
S3 (TPH) = Terphenyl-d14	(43-116)
S4 (PHL) = Phenol-d6	(33-141)
S5 (2FP) = 2-Eluorophenol	(10-94)
S6 (TBP) = 2,4,6-Tribromophenol	(21-100)
	(10-123)

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

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID: BB0830L8S

Lab Sample ID: BB0830L8S

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 09/04/90

Time Analyzed: 2025

Matrix: (soil/water) WATER

Level: (low/med) LOW

Instrument ID: 5100B

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	907601	120197	B120197S	09/04/90
02				
03				
04				
05				
06				
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30				

COMMENTS:

5B
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI Case No.: RB090 SAS No.: _____ SDG No.: 0828

Lab File ID: BII006PS DFTPP Injection Date: 08/30/90

Instrument ID: 5100B DFTPP Injection Time: 1828

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.3
68	Less than 2.0% of mass 69	.0(.0)1
69	Mass 69 relative abundance	46.9
70	Less than 2.0% of mass 69	.0(.0)1
127	40.0 - 60.0% of mass 198	51.4
197	Less than 1.0% of mass 198	.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.1
365	Greater than 1.00% of mass 198	2.2
441	Present, but less than mass 443	6.6
442	Greater than 40.0% of mass 198	42.7
443	17.0 - 23.0% of mass 442	7.9(18.6)2

1-Value is % mass 69

2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160		BIJ160BS	08/30/90	1851
02	SSTD020		BIJ020BS	08/30/90	2018
03	SSTD120		BIJ120BS	08/30/90	2125
04	SSTD080		BIJ080BS	08/30/90	2235
05	SSTD050		BIJ050BS	08/30/90	2343
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID: BIJ007PS

DFTPP Injection Date: 09/04/90

Instrument ID: 5100B

DFTPP Injection Time: 1017

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.2
68	Less than 2.0% of mass 69	.6(1.1)1
69	Mass 69 relative abundance	50.9
70	Less than 2.0% of mass 69	.4(.8)1
127	40.0 - 60.0% of mass 198	52.1
197	Less than 1.0% of mass 198	.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	20.6
365	Greater than 1.00% of mass 198	2.4
441	Present, but less than mass 443	8.3
442	Greater than 40.0% of mass 198	57.5
443	17.0 - 23.0% of mass 442	10.5(18.2)2

1-Value is % mass 69

2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050		BIJ050DBS	09/04/90	1045
02	SBLKL8	BB0830L8S	BB0830L8S	09/04/90	2025
03	907601	120197	B120197S	09/04/90	2131
04					
05					
06					
07					
08					
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10					
11					
12					
13					
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16					
17					
18					
19					
20					
21					
22					

SEMI-VOLATILE ORGANIC ANALYSIS
SUPPORTIVE DOCUMENTATION



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/656-1074

B120197S₁

09/04/90 2131

5100B -- BES

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS 5100B

Method: NYS.SEMI Matrix: WATER

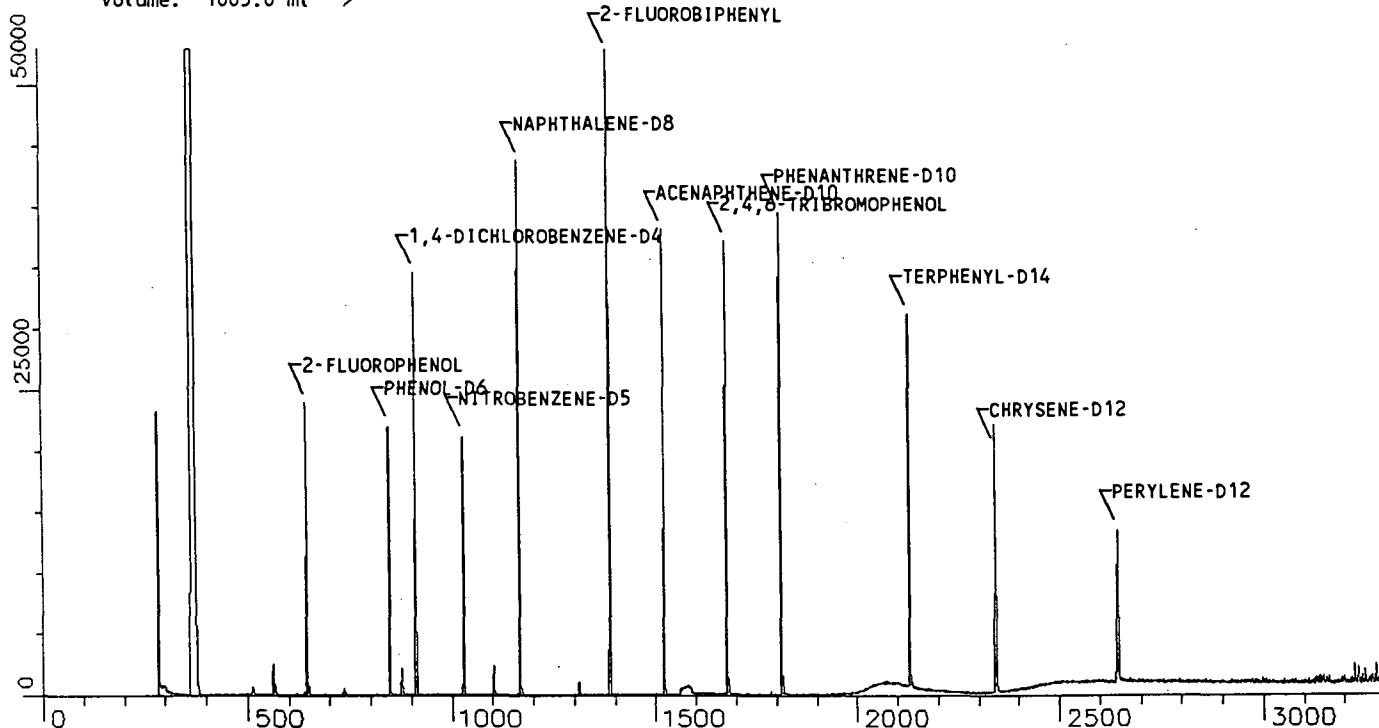
Lab ID: 120197

NYS ID: 907601

ETR Number: 22840

Submitted by: NEWYRK

Volume: 1005.0 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	910	15:10	1	1.000	A BB	12285.	40.000 NG/UL		1	1,4-DICHLORO BENZENE-D4
10	136	1168	19:28	10	1.000	A BB	44334.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1520	25:20	28	1.000	A BB	18658.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1813	30:13	44	1.000	A BB	38535.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2342	39:02	60	1.000	A BB	18468.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2644	44:04	68	1.000	A BB	15900.	40.000 NG/UL		68	PERYLENE-D12
3	112	645	10:45	1	0.709	A BB	19987.	61.222 NG/UL	61.2	3	2-FLUOROPHENOL
4	99	846	14:06	1	0.930	A BB	16547.	39.468 NG/UL	39.5	4	PHENOL-D6
19	82	1028	17:08	10	0.880	A BB	16752.	31.210 NG/UL	62.4	19	NITROBENZENE-D5
37	172	1386	23:06	28	0.912	A BB	35082.	34.577 NG/UL	69.2	37	2-FLUOROBIPHENYL
56	330	1678	27:58	28	1.104	A BB	6613.	61.394 NG/UL	61.4	56	2,4,6-TRIBROMOPHENOL
67	244	2130	35:30	60	0.909	A BB	24801.	38.514 NG/UL	77.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:08	-2	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLORO BENZENE-D4
10	19:27	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:19	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:10	-3	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:00	-2	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	43:59	-5	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:41	-4	0.706	1.00	61.22	50.00	1.302	1.063	1.22	3	2-FLUOROPHENOL
4	14:05	-1	0.931	1.00	39.47	50.00	1.078	1.365	0.79	4	PHENOL-D6
19	17:07	-1	0.880	1.00	31.21	50.00	0.302	0.484	0.62	19	NITROBENZENE-D5
37	23:05	-1	0.912	1.00	34.58	50.00	1.504	2.175	0.69	37	2-FLUOROBIPHENYL
56	27:55	-3	1.103	1.00	61.39	50.00	0.284	0.231	1.23	56	2,4,6-TRIBROMOPHENOL
67	35:27	-3	0.909	1.00	38.51	50.00	1.074	1.395	0.77	67	TERPHENYL-D14

BIJ050DBS (09/04/90 10:45) RFs loaded on 5100B 9/04/90 11:50:55

Sample: L#120197 NYS#907601 ETR#22840 100%

09/04/90 2131

Conditions: GC/MS 5100B

5100B -- BES

Method: NYS.SEM1 Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 1005.0 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
5	NOT FOUND									5	PHENOL
7	NOT FOUND									7	BIS(2-CHLOROETHYL)ETHER
8	NOT FOUND									8	2-CHLOROPHENOL
9	NOT FOUND									9	1,3-DICHLOROBENZENE
11	NOT FOUND									11	1,4-DICHLOROBENZENE
12	NOT FOUND									12	BENZYL ALCOHOL
13	NOT FOUND									13	1,2-DICHLOROBENZENE
14	NOT FOUND									14	2-METHYLPHENOL
15	NOT FOUND									15	BIS(2-CHLOROISOPROPYL)ETHER
16	NOT FOUND									16	4-METHYLPHENOL
17	NOT FOUND									17	N-NITROSO-DI-N-PROPYLAMINE
18	NOT FOUND									18	HEXACHLOROETHANE
20	NOT FOUND									20	NITROBENZENE
21	NOT FOUND									21	ISOPHORONE
22	NOT FOUND									22	2-NITROPHENOL
23	NOT FOUND									23	2,4-DIMETHYLPHENOL
24	NOT FOUND									24	BENZOIC ACID
25	NOT FOUND									25	BIS(2-CHLOROETHOXY)METHANE
26	NOT FOUND									26	2,4-DICHLOROPHENOL
27	NOT FOUND									27	1,2,4-TRICHLOROBENZENE
29	NOT FOUND									29	NAPHTHALENE
30	NOT FOUND									30	4-CHLOROANILINE
31	NOT FOUND									31	HEXACHLOROBUTADIENE
32	NOT FOUND									32	4-CHLORO-3-METHYLPHENOL
33	NOT FOUND									33	2-METHYLNAPHTHALENE
34	NOT FOUND									34	HEXACHLOROCYCLOPENTADIENE
35	NOT FOUND									35	2,4,6-TRICHLOROPHENOL
36	NOT FOUND									36	2,4,5-TRICHLOROPHENOL
38	NOT FOUND									38	2-CHLORONAPHTHALENE
39	NOT FOUND									39	2-NITROANILINE
40	NOT FOUND									40	DIMETHYLPHTHALATE
41	NOT FOUND									41	ACENAPHTHYLENE
42	NOT FOUND									42	2,6-DINITROTOLUENE
43	NOT FOUND									43	3-NITROANILINE
45	NOT FOUND									45	ACENAPHTHENE
46	NOT FOUND									46	2,4-DINITROPHENOL
47	NOT FOUND									47	4-NITROPHENOL
48	NOT FOUND									48	DIBENZOFURAN
49	NOT FOUND									49	2,4-DINITROTOLUENE
50	NOT FOUND									50	DIETHYLPHTHALATE
51	NOT FOUND									51	4-CHLOROPHENYL-PHENYLETHER
52	NOT FOUND									52	FLUORENE
53	NOT FOUND									53	4-NITROANILINE
54	NOT FOUND									54	4,6-DINITRO-2-METHYLPHENOL
55	NOT FOUND									55	N-NITROSODIPHENYLAMINE (1)
57	NOT FOUND									57	4-BROMOPHENYL-PHENYLETHER
58	NOT FOUND									58	HEXACHLOROBENZENE
59	266	1785	29.45	44	0.985	A BB	100.	0.821 NG/UL		59	PENTACHLOROPHENOL
61	NOT FOUND									61	PHENANTHRENE
62	NOT FOUND									62	ANTHRACENE
63	149	1934	32.14	44	1.067	A BB	171.	0.167 NG/UL		63	DI-N-BUTYLPHTHALATE
64	NOT FOUND									64	FLUORANTHENE
66	202	2101	35.01	60	0.897	A BB	111.	0.145 NG/UL		66	PYRENE
69	NOT FOUND									69	BUTYLBENZYLPHTHALATE
70	NOT FOUND									70	3,3'-DICHLOROBENZIDINE
71	NOT FOUND									71	BENZO(A)ANTHRACENE
72	149	2344	39.04	60	1.001	A BB	164.	0.367 NG/UL		72	BIS(2-ETHYLHEXYL)PHTHALATE
73	NOT FOUND									73	CHRYSENE
74	NOT FOUND									74	DI-N-OCTYLPHTHALATE
75	NOT FOUND									75	BENZO(B)FLUORANTHENE
76	NOT FOUND									76	BENZO(K)FLUORANTHENE
77	NOT FOUND									77	BENZO(A)PYRENE
78	NOT FOUND									78	INDENO(1,2,3-CD)PYRENE
79	NOT FOUND									79	DIBENZ(A,H)ANTHRACENE
80	NOT FOUND									80	BENZO(G,H,I)PERYLENE

B120197S₃

Sample: L#120197 NYS#907601 ETR#22840 100%

Conditions: GC/MS 5100B

Method: NYS.SEMI Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 1005.0 ml

09/04/90 2131

5100B -- BES

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
5	14:08		0.934							5	PHENOL
7	14:24		0.952							7	BIS(2-CHLOROETHYL)ETHER
8	14:31		0.959							8	2-CHLOROPHENOL
9	15:00		0.991							9	1,3-DICHLOROBENZENE
11	15:12		1.004							11	1,4-DICHLOROBENZENE
12	15:42		1.037							12	BENZYL ALCOHOL
13	15:49		1.045							13	1,2-DICHLOROBENZENE
14	16:08		1.066							14	2-METHYLPHENOL
15	16:15		1.074							15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:38		1.099							16	4-METHYLPHENOL
17	16:44		1.106							17	N-NITROSO-DI-N-PROPYLAMINE
18	16:52		1.115							18	HEXACHLOROETHANE
20	17:10		0.883							20	NITROBENZENE
21	17:58		0.924							21	ISOPHORONE
22	18:14		0.937							22	2-NITROPHENOL
23	18:23		0.945							23	2,4-DIMETHYLPHENOL
24	18:49		0.967							24	BENZOIC ACID
25	18:44		0.963							25	BIS(2-CHLOROETHOXY)METHANE
26	19:00		0.977							26	2,4-DICHLOROPHENOL
27	19:18		0.992							27	1,2,4-TRICHLOROBENZENE
29	19:31		1.003							29	NAPHTHALENE
30	19:45		1.015							30	4-CHLOROANILINE
31	20:07		1.034							31	HEXACHLOROBUTADIENE
32	21:20		1.097							32	4-CHLORO-3-METHYLPHENOL
33	21:48		1.121							33	2-METHYLNAPHTHALENE
34	22:33		0.891							34	HEXACHLOROCYCLOPENTADIENE
35	22:49		0.901							35	2,4,6-TRICHLOROPHENOL
36	22:56		0.906							36	2,4,5-TRICHLOROPHENOL
38	23:25		0.925							38	2-CHLORONAPHTHALENE
39	23:51		0.942							39	2-NITROANILINE
40	24:33		0.970							40	DIMETHYLPHTHALATE
41	24:49		0.980							41	ACENAPHTHYLENE
42	24:46		0.978							42	2,6-DINITROTOLUENE
43	25:13		0.996							43	3-NITROANILINE
45	25:25		1.004							45	ACENAPHTHENE
46	25:33		1.009							46	2,4-DINITROPHENOL
47	25:43		1.016							47	4-NITROPHENOL
48	25:56		1.024							48	DIBENZOFURAN
49	26:03		1.029							49	2,4-DINITROTOLUENE
50	26:52		1.061							50	DIETHYLPHTHALATE
51	27:04		1.069							51	4-CHLOROPHENYL-PHENYLETHER
52	27:05		1.070							52	FLUORENE
53	27:14		1.076							53	4-NITROANILINE
54	27:23		0.908							54	4,6-DINITRO-2-METHYLPHENOL
55	27:28		0.910							55	N-NITROSODIPHENYLAMINE (1)
57	28:40		0.950							57	4-BROMOPHENYL-PHENYLETHER
58	29:10		0.967							58	HEXACHLOROBENZENE
59	29:44	1	~~0.986~~	1.00	~~0.82~~	50.00	~~0.002~~	~~0.126~~	0.02	59	PENTACHLOROPHENOL
61	30:15		1.003							61	PHENANTHRENE
62	30:24		1.008							62	ANTHRACENE
63	32:11	3	~~1.067~~	1.00	~~0.17~~	50.00	~~0.004~~	~~1.063~~	0.00	63	DI-N-BUTYLPHTHALATE
64	34:13		1.134							64	FLUORANTHENE
66	34:58	3	~~0.897~~	1.00	~~0.15~~	50.00	~~0.005~~	~~1.658~~	0.00	66	PYRENE
69	37:07		0.952							69	BUTYLBENZYLPHTHALATE
70	38:49		0.995							70	3,3'-DICHLOROBENZIDINE
71	38:56		0.998							71	BENZO(A)ANTHRACENE
72	39:02	2	~~1.001~~	1.00	~~0.37~~	50.00	~~0.007~~	~~0.967~~	0.01	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:05		1.002							73	CHRYSENE
74	40:55		0.930							74	DI-N-OCTYLPHTHALATE
75	42:30		0.966							75	BENZO(B)FLUORANTHENE
76	42:36		0.969							76	BENZO(K)FLUORANTHENE
77	43:46		0.995							77	BENZO(A)PYRENE
78	49:17		1.120							78	INDENO(1,2,3-CD)PYRENE
79	49:18		1.121							79	DIBENZ(A,H)ANTHRACENE
80	50:51		1.156							80	BENZO(G,H,I)PERYLENE

B120197S₂₂

Sample: L#120197 NYS#907601 ETR#22840 100%

09/04/90 2131

Conditions: GC/MS 51008

51008 -- BES

Method: NYS.SEMI Matrix: WATER Lab ID: 120197 NYS ID: 907601 ETR Number: 22840 Submitted by: NEWYRK

Volume: 1005.0 ml

Summary of Tentatively Identified Compounds

Rank	Scan	Dec. Time	En.RIC Height	Est. Amount	Ref	Name
~~3~~	~~285~~	~~4.75~~	~~12015.~~	~~17.4~~	~~1~~	~~UNKNOWN~~
~~4~~	~~364~~	~~6.67~~	~~11791.~~	~~17.1~~	~~1~~	~~UNKNOWN~~ } methylbenzene - VOA
~~1~~	~~375~~	~~6.25~~	~~278527.~~	~~403.6~~	~~1~~	~~UNKNOWN~~
~~2~~	~~646~~	~~10.77~~	~~19871.~~	~~28.8~~	~~1~~	~~UNKNOWN~~ SS#3
ISTD	910	15.17	27601.	40.0	1	1,4-DICHLOROBENZENE-D4
ISTD	1168	19.47	31276.	40.0	10	NAPHTHALENE-D8
ISTD	1520	25.33	28416.	40.0	28	ACENAPHTHENE-D10
ISTD	1813	30.22	26272.	40.0	44	PHENANTHRENE-D10
ISTD	2343	39.05	15248.	40.0	60	CHRYSENE-D12
ISTD	2644	44.07	8880.	40.0	68	PERYLENE-D12
~~5~~	~~3233~~	~~53.88~~	~~1137.~~	~~5.1~~	~~68~~	~~UNKNOWN~~ noise - spectral noise

PROCEDURE: TCA
 DATA FILE: B120197S
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

9/04/90 22:21:55

BIJ050ABS (08/31/90 1:40) Calib. loaded on 5100B 8/31/90 3:01:08

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				> - LIST NAMES - <	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	3	1	115	ABRET1/ABUNK1	
2	2	1	0	11	3	1	44	ABRET2/ABUNK2	
2	2	1	0	10	2	1	0	ABRET2/ABUNK3	
2	2	1	0	10	2	1	0	ABRET3/ABUNK4	
2	2	1	0	9	3	1	0	ABRET3/ABUNK5	
2	2	1	0	9	2	1	0	ABRET4/ABUNK6	
2	2	1	0	10	4	1	27	ABRET4/ABUNK7	
2	2	1	0	9	4	1	0	ABRET5/ABUNK8	
2	2	1	0	11	2	1	0	ABRET6/ABUNK9	
1	1	1	0	4	1	1	0	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 14 FOUND

< COMPOUND >		SEARCH					>< SAT ><		CHRO			
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-910	910	910	1	992	.	152	910	.	1
2	AB	2	-310	315	.	.	.	.	42	.	.	.
3	AB	3	-644	646	646	1	986	.	112	645	-1	1
4	AB	4	-847	847	846	-1	971	.	99	846	.	1
5	AB	5	-850	850	.	.	.	.	94	.	.	.
6	AB	6	-853	853	.	.	.	.	93	.	.	.
7	AB	7	-866	866	.	.	.	.	93	.	.	.
8	AB	8	-874	874	.	.	.	.	128	.	.	.
9	AB	9	-903	902	.	.	.	.	146	.	.	.
10	AB	10	-1169	1168	1168	1	983	.	136	1168	.	1
11	AB	11	-914	914	.	.	.	.	146	.	.	.
12	AB	12	-944	944	.	.	.	.	108	.	.	.
13	AB	13	-952	952	.	.	.	.	146	.	.	.
14	AB	14	-970	970	.	.	.	.	108	.	.	.
15	AB	15	-977	977	.	.	.	.	45	.	.	.
16	AB	16	-1000	999	.	.	.	.	108	.	.	.
17	AB	17	-1006	1005	.	.	.	.	70	.	.	.
18	AB	18	-1014	1013	.	.	.	.	117	.	.	.
19	AB	19	-1029	1028	1028	1	996	.	82	1028	.	1
20	AB	20	-1032	1032	.	.	.	.	77	.	.	.
21	AB	21	-1080	1079	.	.	.	.	82	.	.	.
22	AB	22	-1096	1095	.	.	.	.	139	.	.	.
23	AB	23	-1105	1104	.	.	.	.	107	.	.	.
24	AB	24	-1129	1128	.	.	.	.	122	.	.	.
25	AB	25	-1126	1125	.	.	.	.	93	.	.	.
26	AB	26	-1142	1141	.	.	.	.	162	.	.	.
27	AB	27	-1160	1159	.	.	.	.	180	.	.	.
28	AB	28	-1521	1520	1520	1	985	.	164	1520	.	1
29	AB	29	-1173	1172	.	.	.	.	128	.	.	.
30	AB	30	-1187	1186	.	.	.	.	127	.	.	.
31	AB	31	-1209	1208	.	.	.	.	225	.	.	.
32	AB	32	-1282	1281	.	.	.	.	107	.	.	.
33	AB	33	-1310	1309	.	.	.	.	142	.	.	.
34	AB	34	-1355	1354	.	.	.	.	237	.	.	.
35	AB	35	-1371	1370	.	.	.	.	196	.	.	.
36	AB	36	-1377	1376	.	.	.	.	196	.	.	.
37	AB	37	-1387	1386	1386	1	998	.	172	1386	.	1
38	AB	38	-1407	1406	.	.	.	.	162	.	.	.

000259

40	AB	40	-1475	1474	.	.	.	163	.	.	.
41	AB	41	-1491	1490	.	.	.	152	.	.	.
42	AB	42	-1489	1488	.	.	.	165	.	.	.
43	AB	43	-1515	1514	.	.	.	138	.	.	.
44	AB	44	-1813	1813	1813	.	1	981	188	1813	1
45	AB	45	-1528	1527	.	.	.	.	153	.	.
46	AB	46	-1535	1534	.	.	.	.	184	.	.
47	AB	47	-1544	1543	.	.	.	.	109	.	.
48	AB	48	-1559	1558	.	.	.	.	168	.	.
49	AB	49	-1566	1565	.	.	.	.	165	.	.
50	AB	50	-1614	1613	.	.	.	.	149	.	.
51	AB	51	-1626	1625	.	.	.	.	204	.	.
52	AB	52	-1627	1627	.	.	.	.	166	.	.
53	AB	53	-1636	1636	.	.	.	.	138	.	.
54	AB	54	-1645	1645	.	.	.	.	198	.	.
55	AB	55	-1650	1650	.	.	.	.	169	.	.
56	AB	56	-1678	1678	1678	.	1	971	330	1678	1
57	AB	57	-1722	1722	.	.	.	.	248	.	.
58	AB	58	-1752	1752	.	.	.	.	284	.	.
59	AB	59	-1786	1786	1786	.	1	1000	266	1785	-1
60	AB	60	-2343	2343	2343	.	1	949	240	2342	-1
61	AB	61	-1818	1818	.	.	.	.	178	.	.
62	AB	62	-1827	1827	.	.	.	.	178	.	.
63	AB	63	-1934	1934	.	.	.	.	149	1934	1
64	AB	64	-2056	2056	.	.	.	.	202	.	.
65	AB	65	-2130	2130	2130	.	1	898	184	2130	1
66	AB	66	-2101	2101	.	.	.	.	202	2101	1
67	AB	67	-2130	2130	2130	.	1	992	244	2130	1
68	AB	68	-2644	2644	2644	.	1	957	264	2644	1
69	AB	69	-2231	2231	.	.	.	.	149	.	.
70	AB	70	-2332	2332	.	.	.	.	252	.	.
71	AB	71	-2339	2339	.	.	.	.	228	.	.
72	AB	72	-2345	2345	.	.	.	.	149	2344	1
73	AB	73	-2348	2348	.	.	.	.	228	.	.
74	AB	74	-2458	2458	.	.	.	.	149	.	.
75	AB	75	-2554	2554	.	.	.	.	252	.	.
76	AB	76	-2560	2560	.	.	.	.	252	.	.
77	AB	77	-2631	2631	.	.	.	.	252	.	.
78	AB	78	-2962	2962	.	.	.	.	276	.	.
79	AB	79	-2964	2964	.	.	.	.	278	.	.
80	AB	80	-3057	3057	.	.	.	.	276	.	.

SEMI-VOLATILE ORGANIC ANALYSIS
STANDARDS DATA PACKAGE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: 5100B

Calibration Date(s): 08/30/90

08/30/90

Min $\overline{RRF}$ for SPCC(#) = 0.050

Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF20 =BIJ020BS		RRF50 =BIJ050BS		RRF80 =BIJ080BS		RRF120=BIJ120BS		RRF160=BIJ160BS	
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD			
Phenol		*1.929	1.967	2.038	2.026	2.023	1.997	2.3*			
bis(2-Chloroethyl) ether		1.532	1.543	1.570	1.556	1.566	1.553	1.0			
2-Chlorophenol		1.333	1.353	1.438	1.444	1.448	1.403	4.0			
1,3-Dichlorobenzene		1.642	1.564	1.563	1.527	1.500	1.559	3.4			
1,4-Dichlorobenzene		*1.712	1.608	1.606	1.565	1.528	1.604	4.3*			
Benzyl alcohol		.664	.726	.758	.786	.816	.750	7.8			
1,2-Dichlorobenzene		1.595	1.548	1.523	1.497	1.488	1.530	2.8			
2-Methylphenol		1.191	1.370	1.361	1.377	1.453	1.350	7.1			
bis(2-Chloroisopropyl) ether		1.128	1.196	1.232	1.215	1.177	1.190	3.4			
4-Methylphenol		1.200	1.414	1.398	1.439	1.519	1.394	8.5			
N-Nitroso-di-n-propylamine #		.793	.867	.941	.947	.921	.894	7.2#			
Hexachloroethane		.838	.820	.802	.782	.761	.800	3.8			
Nitrobenzene		.399	.404	.424	.424	.413	.413	2.7			
Isophorone		.700	.756	.802	.822	.806	.777	6.4			
2-Nitrophenol		*.151	.173	.191	.199	.203	.183	11.8*			
2,4-Dimethylphenol		.362	.375	.402	.408	.407	.391	5.4			
Benzoic acid			.178	.188	.208	.227	.200	10.8			
bis(2-Chloroethoxy) methane		.488	.500	.519	.525	.510	.508	2.9			
2,4-Dichlorophenol		*.297	.299	.321	.322	.317	.311	3.9*			
1,2,4-Trichlorobenzene		.344	.335	.337	.326	.315	.332	3.4			
Naphthalene		1.150	1.103	1.097	1.066	1.007	1.085	4.9			
4-Chloroaniline		.293	.348	.377	.380	.378	.355	10.5			
Hexachlorobutadiene		*.223	.214	.212	.201	.190	.208	6.2*			
4-Chloro-3-methylphenol		*.286	.308	.341	.342	.328	.321	7.4*			
2-Methylnaphthalene		.715	.712	.745	.705	.671	.709	3.7			
Hexachlorocyclopentadiene #		.394	.420	.466	.435	.415	.426	6.3#			
2,4,6-Trichlorophenol		*.395	.401	.456	.432	.414	.419	5.9*			
2,4,5-Trichlorophenol			.508	.523	.503	.490	.506	2.7			
2-Chloronaphthalene		1.528	1.461	1.507	1.389	1.303	1.437	6.4			
2-Nitroaniline			.334	.367	.370	.367	.360	4.8			
Dimethylphthalate		1.570	1.543	1.637	1.583	1.559	1.579	2.3			
Acenaphthylene		2.237	2.161	2.200	2.068	1.931	2.119	5.8			
2,6-Dinitrotoluene		.283	.324	.346	.339	.324	.323	7.6			
3-Nitroaniline			.264	.307	.320	.326	.304	9.1			
Acenaphthene		*1.588	1.541	1.524	1.438	1.412	1.500	4.9*			
2,4-Dinitrophenol		#	.146	.181	.188	.205	.180	13.6#			
4-Nitrophenol		#	.262	.302	.307	.309	.295	7.5#			

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: 5100B

Calibration Date(s): 08/30/90

08/30/90

Min RRF for SPCC(#) = 0.050

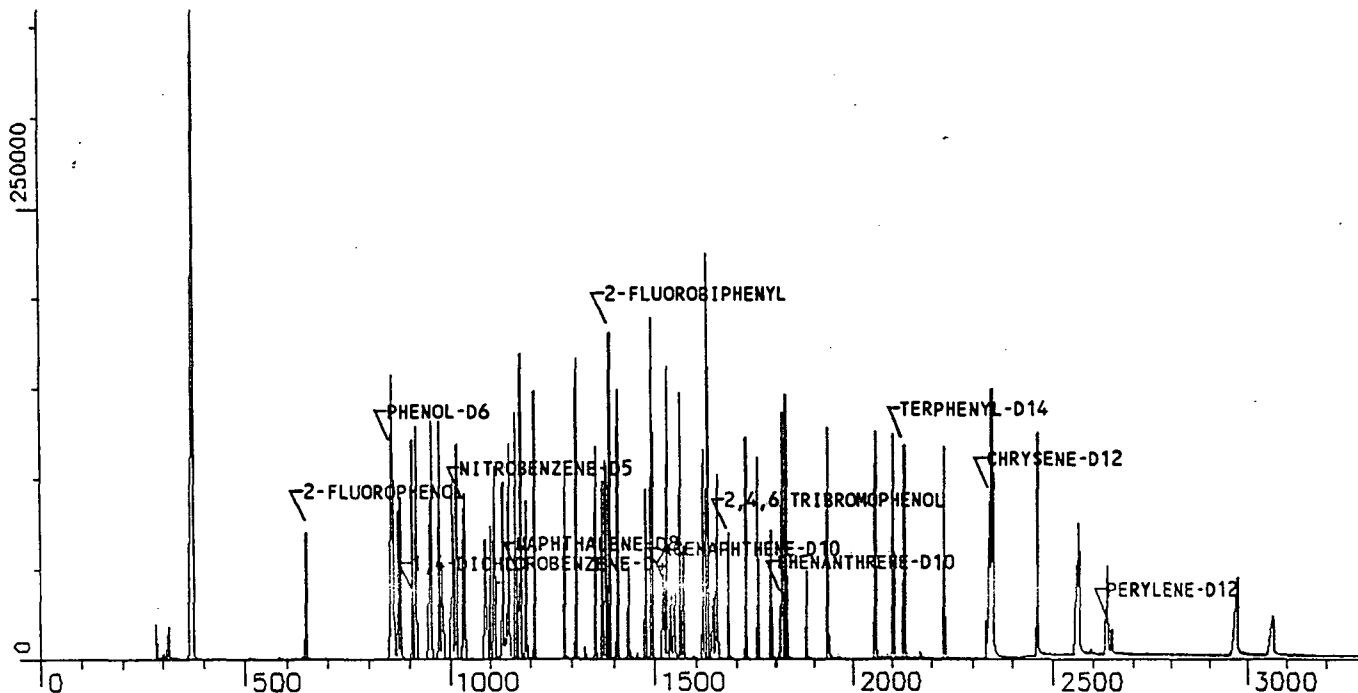
Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF20 =BIJ020BS		RRF50 =BIJ050BS		RRF80 =BIJ080BS		RRF120=BIJ120BS		RRF160=BIJ160BS	
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	RRF	%	RSD		
Dibenzofuran		2.201	2.097	2.058	1.986	1.912	2.051	5.4			
2,4-Dinitrotoluene		.369	.450	.473	.477	.480	.450	10.4			
Diethylphthalate		1.664	1.735	1.746	1.722	1.710	1.715	1.9			
4-Chlorophenyl-phenylether		.789	.726	.694	.647	.625	.696	9.3			
Fluorene		1.665	1.582	1.506	1.413	1.369	1.507	8.0			
4-Nitroaniline			.202	.236	.261	.269	.242	12.5			
4,6-Dinitro-2-methylphenol			.101	.113	.124	.130	.117	10.8			
N-Nitrosodiphenylamine (1)	*	.379	.388	.386	.410	.408	.394	3.5*			
4-Bromophenyl-phenylether		.204	.195	.194	.197	.198	.197	2.0			
Hexachlorobenzene		.232	.211	.212	.216	.218	.218	3.8			
Pentachlorophenol	*		.111	.120	.128	.135	.123	8.4*			
Phenanthrene		1.057	1.010	1.009	.982	.964	1.004	3.5			
Anthracene		1.037	1.004	1.038	1.011	.985	1.015	2.2			
Di-n-butylphthalate		1.039	1.156	1.257	1.290	1.275	1.204	8.8			
Fluoranthene	*	.966	.935	.948	1.014	.984	.969	3.2*			
Pyrene		1.962	1.924	1.941	1.941	2.028	1.959	2.1			
Butylbenzylphthalate		.644	.763	.832	.910	.994	.829	16.2			
3,3'-Dichlorobenzidine		.059	.072	.088	.101	.117	.087	26.1			
Benzo(a)anthracene		1.364	1.368	1.418	1.426	1.442	1.403	2.5			
Chrysene		1.624	1.520	1.538	1.561	1.573	1.563	2.5			
bis(2-Ethylhexyl)phthalate		.895	1.095	1.231	1.277	1.321	1.164	14.8			
Di-n-octylphthalate	*	1.742	2.057	2.432	2.363	2.683	2.255	16.1*			
Benzo(b)fluoranthene		1.392	1.465	1.507	1.554	1.699	1.523	7.6			
Benzo(k)fluoranthene		1.619	1.436	1.609	1.372	1.372	1.482	8.3			
Benzo(a)pyrene	*	1.290	1.283	1.315	1.348	1.400	1.327	3.6*			
Indeno(1,2,3-cd)pyrene		1.228	1.231	1.418	1.310	1.276	1.293	6.0			
Dibenz(a,h)anthracene		.995	1.016	1.128	1.033	1.085	1.051	5.1			
Benzo(g,h,i)perylene		.978	.991	1.146	1.091	1.076	1.056	6.7			
Nitrobenzene-d5		.458	.481	.504	.523	.509	.495	5.2			
2-Fluorobiphenyl		2.247	2.090	2.154	1.941	1.784	2.043	9.0			
Terphenyl-d14		1.432	1.384	1.405	1.428	1.520	1.434	3.6			
Phenol-d6		1.426	1.508	1.636	1.640	1.665	1.575	6.6			
2-Fluorophenol		1.089	1.199	1.262	1.279	1.275	1.221	6.6			
2,4,6-Tribromophenol		.167	.177	.187	.190	.198	.184	6.4			

(1) Cannot be separated from Diphenylamine

Sample: SSTD160 CRV#BIJ
 Conditions: GC/MS 51008
 Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC
 Volume: 0.00100 ml

BIJ160BS 1
 08/30/90 1851
 51008 -- BES



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	912	15:12	1	1.000	A 88	13701.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1171	19:31	10	1.000	A 88	50779.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1523	25:23	28	1.000	A 88	22282.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1815	30:15	44	1.000	A 88	41311.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2345	39:05	60	1.000	A 88	20146.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2645	44:05	68	1.000	A 88	15871.	40.000 NG/UL		68	PERYLENE-D12
3	112	648	10:48	1	0.711	A 88	69859.	160.000 NG/UL	160.0	3	2-FLUOROPHENOL
4	99	854	14:14	1	0.936	A 88	91235.	160.000 NG/UL	160.0	4	PHENOL-D6
19	82	1033	17:13	10	0.882	A 88	103303.	160.000 NG/UL	320.0	19	NITROBENZENE-D5
37	172	1390	23:10	28	0.913	A 88	159016.	160.000 NG/UL	320.0	37	2-FLUOROBIPHENYL
56	330	1680	28:00	28	1.103	A 88	17619.	160.000 NG/UL	160.0	56	2,4,6-TRIBROMOPHENOL
67	244	2132	35:32	60	0.909	A 88	122498.	160.000 NG/UL	320.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:12	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:31	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:23	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:15	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:05	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	44:05	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:48	0	0.711	1.00	160.00	160.00	1.275	1.275	1.00	3	2-FLUOROPHENOL
4	14:14	0	0.936	1.00	160.00	160.00	1.665	1.665	1.00	4	PHENOL-D6
19	17:13	0	0.882	1.00	160.00	160.00	0.509	0.509	1.00	19	NITROBENZENE-D5
37	23:10	0	0.913	1.00	160.00	160.00	1.784	1.784	1.00	37	2-FLUOROBIPHENYL
56	28:00	0	1.103	1.00	160.00	160.00	0.198	0.198	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:32	0	0.909	1.00	160.00	160.00	1.520	1.520	1.00	67	TERPHENYL-D14

BIJ160BS (08/30/90 18:51) RFs Loaded on 51008 8/30/90 20:45:48

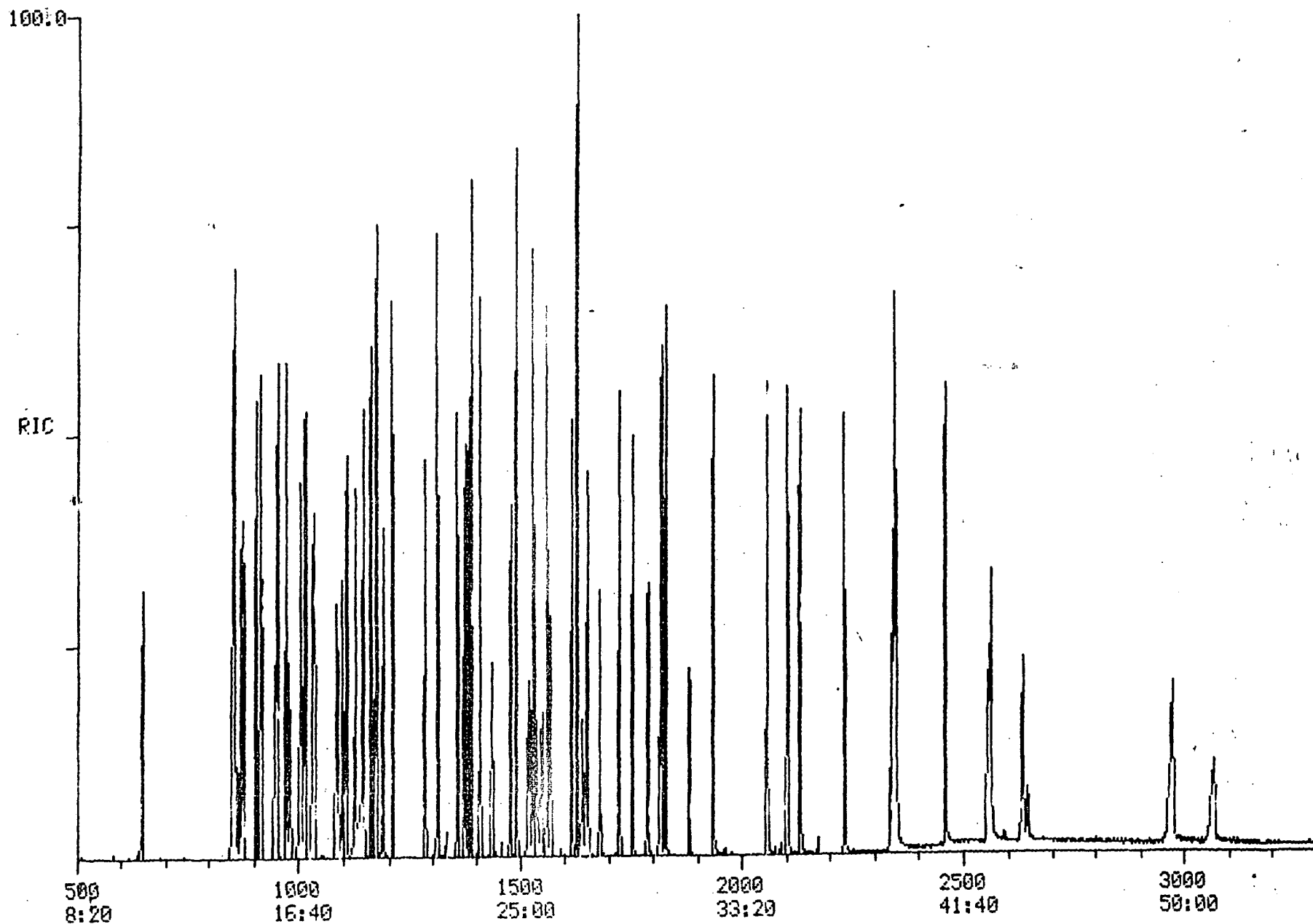
RIC
08/30/90 18:51:00
SAMPLE: SST0160 CRV#BIJ
CONOS.: GC/MS 5100B
RANGE: G 1,3300 LABEL: N 0, 4.0

DATA: BIJ160BS #1
CALI: BIJ160BS #2

SCANS 500 TO 3300

QUAN: A 0, 1.0 J 0 BASE: U 20, 3

225280.



000264

SCAN
TIME

BIJ160BS 2

08/30/90 1851

5100B -- BES

Sample: SSTD160 CRV#BIJ

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	315	5:15	1	0.345	A BB	24248.	160.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	856	14:16	1	0.939	A BV	110864.	160.000 NG/UL		5	PHENOL
6	93	858	14:18	1	0.941	A BV	209175.	160.000 NG/UL		6	ANILINE
7	93	871	14:31	1	0.955	A VV	85815.	160.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	877	14:37	1	0.962	A BB	79347.	160.000 NG/UL		8	2-CHLOROPHENOL
9	146	905	15:05	1	0.992	A BB	82204.	160.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	916	15:16	1	1.004	A BB	83744.	160.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	950	15:50	1	1.042	A BB	44712.	160.000 NG/UL		12	BENZYL ALCOHOL
13	146	954	15:54	1	1.046	A BB	81566.	160.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	974	16:14	1	1.068	A BB	79635.	160.000 NG/UL		14	2-METHYLPHENOL
15	45	980	16:20	1	1.075	A BB	64496.	160.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	1005	16:45	1	1.102	A BB	83251.	160.000 NG/UL		16	4-METHYLPHENOL
17	70	1014	16:54	1	1.112	A BB	50467.	160.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1016	16:56	1	1.114	A BB	41680.	160.000 NG/UL		18	HEXACHLOROETHANE
20	77	1037	17:17	10	0.886	A BB	83969.	160.000 NG/UL		20	NITROBENZENE
21	82	1085	18:05	10	0.927	A BV	163693.	160.000 NG/UL		21	ISOPHORONE
22	139	1099	18:19	10	0.939	A BB	41155.	160.000 NG/UL		22	2-NITROPHENOL
23	107	1109	18:29	10	0.947	A BB	82645.	160.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	122	1146	19:06	10	0.979	A VV	46138.	160.000 NG/UL		24	BENZOIC ACID
25	93	1129	18:49	10	0.964	A BB	103565.	160.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1146	19:06	10	0.979	A BB	64291.	160.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1163	19:23	10	0.993	A BB	64073.	160.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1176	19:36	10	1.004	A BB	204554.	160.000 NG/UL		29	NAPHTHALENE
30	127	1190	19:50	10	1.016	A BV	76809.	160.000 NG/UL		30	4-CHLOROANILINE
31	225	1211	20:11	10	1.034	A BB	38599.	160.000 NG/UL		31	HEXACHLOROBTADIENE
32	107	1285	21:25	10	1.097	A BB	66601.	160.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1313	21:53	10	1.121	A BB	136293.	160.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1357	22:37	28	0.891	A BB	36999.	160.000 NG/UL		34	HEXACHLOROCYCLOPENTADIENE
35	196	1373	22:53	28	0.902	A BV	36857.	160.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	196	1380	23:00	28	0.906	A VB	43679.	160.000 NG/UL		36	2,4,5-TRICHLOROPHENOL
38	162	1410	23:30	28	0.926	A BB	116148.	160.000 NG/UL		38	2-CHLORONAPHTHALENE
39	65	1436	23:56	28	0.943	A BB	32722.	160.000 NG/UL		39	2-NITROANILINE
40	163	1479	24:39	28	0.971	A BB	138965.	160.000 NG/UL		40	DIMETHYLPHthalate
41	152	1493	24:53	28	0.980	A BB	172132.	160.000 NG/UL		41	ACENAPHTHYLENE
42	165	1492	24:52	28	0.980	A BB	28854.	160.000 NG/UL		42	2,6-DINITROTOLUENE
43	138	1519	25:19	28	0.997	A BV	29055.	160.000 NG/UL		43	3-NITROANILINE
45	153	1530	25:30	28	1.005	A BB	125825.	160.000 NG/UL		45	ACENAPHTHENE
46	184	1539	25:39	28	1.011	A BB	18246.	160.000 NG/UL		46	2,4-DINITROPHENOL
47	109	1549	25:49	28	1.017	A BV	27572.	160.000 NG/UL		47	4-NITROPHENOL
48	168	1562	26:02	28	1.026	A BB	170445.	160.000 NG/UL		48	DIBENZOFURAN
49	165	1570	26:10	28	1.031	A BB	42805.	160.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1618	26:58	28	1.062	A BV	152426.	160.000 NG/UL		50	DIETHYLPHthalate
51	204	1629	27:09	28	1.070	A BB	55738.	160.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETHER
52	166	1630	27:10	28	1.070	A BB	122002.	160.000 NG/UL		52	FLUORENE
53	138	1642	27:22	28	1.078	A BV	23992.	160.000 NG/UL		53	4-NITROANILINE
54	198	1650	27:30	44	0.909	A BB	21440.	160.000 NG/UL		54	4,6-DINITRO-2-METHYLPHENOL
55	169	1653	27:33	44	0.911	A BB	67458.	160.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1724	28:44	44	0.950	A BB	32777.	160.000 NG/UL		57	4-BROMOPHENYL-PHENYLETHER
58	284	1755	29:15	44	0.967	A BB	35990.	160.000 NG/UL		58	HEXACHLOROBENZENE
59	266	1788	29:48	44	0.985	A BB	22281.	160.000 NG/UL		59	PENTACHLOROPHENOL
61	178	1821	30:21	44	1.003	A BV	159255.	160.000 NG/UL		61	PHENANTHRENE
62	178	1830	30:30	44	1.008	A VV	162793.	160.000 NG/UL		62	ANTHRACENE
63	149	1936	32:16	44	1.067	A BB	210672.	160.000 NG/UL		63	DI-N-BUTYLPHthalate
64	202	2059	34:19	44	1.134	A BV	162572.	160.000 NG/UL		64	FLUORANTHENE
65	184	2133	35:33	60	0.910	A BB	2517.	160.000 NG/UL		65	BENZIDINE
66	202	2104	35:04	60	0.897	A BV	163407.	160.000 NG/UL		66	PYRENE
69	149	2233	37:13	60	0.952	A BV	80077.	160.000 NG/UL		69	BUTYLBENZYLPHthalate
70	252	2335	38:55	60	0.996	A BB	9412.	160.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2342	39:02	60	0.999	A BV	116179.	160.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2347	39:07	60	1.001	A BV	106463.	160.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHthalate
73	228	2351	39:11	60	1.003	A VB	126755.	160.000 NG/UL		73	CHRYSENE
74	149	2461	41:01	68	0.930	A BV	170327.	160.000 NG/UL		74	DI-N-OCTYLPHthalate
75	252	2559	42:39	68	0.967	A BV	107884.	160.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2564	42:44	68	0.969	A VB	87069.	160.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2635	43:55	68	0.996	A BB	88900.	160.000 NG/UL		77	BENZO(A)PYRENE
78	276	2974	49:34	68	1.124	A BB	81018.	160.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2974	49:34	68	1.124	A BV	68893.	160.000 NG/UL		79	DIBENZ(A,H)ANTHRACENE
80	276	3067	51:07	68	1.160	A BB	68302.	160.000 NG/UL		80	BENZO(G,H,I)PERYLENE

BIJ160BS₃08/30/90 1851
5100B -- BES

Sample: SSTD160 CRV#BIJ

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD

Curve: BIJ - Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:15	0	0.345	1.00	160.00	160.00	0.442	0.442	1.00	2	N-NITROSODIMETHYLAMINE
5	14:16	0	0.939	1.00	160.00	160.00	2.023	2.023	1.00	5	PHENOL
6	14:18	0	0.941	1.00	160.00	160.00	3.817	3.817	1.00	6	ANILINE
7	14:31	0	0.955	1.00	160.00	160.00	1.566	1.566	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:37	0	0.962	1.00	160.00	160.00	1.448	1.448	1.00	8	2-CHLOROPHENOL
9	15:05	0	0.992	1.00	160.00	160.00	1.500	1.500	1.00	9	1,3-DICHLOROBENZENE
11	15:16	0	1.004	1.00	160.00	160.00	1.528	1.528	1.00	11	1,4-DICHLOROBENZENE
12	15:50	0	1.042	1.00	160.00	160.00	0.816	0.816	1.00	12	BENZYL ALCOHOL
13	15:54	0	1.046	1.00	160.00	160.00	1.488	1.488	1.00	13	1,2-DICHLOROBENZENE
14	16:14	0	1.068	1.00	160.00	160.00	1.453	1.453	1.00	14	2-METHYLPHENOL
15	16:20	0	1.075	1.00	160.00	160.00	1.177	1.177	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:45	0	1.102	1.00	160.00	160.00	1.519	1.519	1.00	16	4-METHYLPHENOL
17	16:54	0	1.112	1.00	160.00	160.00	0.921	0.921	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:56	0	1.114	1.00	160.00	160.00	0.761	0.761	1.00	18	HEXACHLOROETHANE
20	17:17	0	0.886	1.00	160.00	160.00	0.413	0.413	1.00	20	NITROBENZENE
21	18:05	0	0.927	1.00	160.00	160.00	0.806	0.806	1.00	21	ISOPHORONE
22	18:19	0	0.939	1.00	160.00	160.00	0.203	0.203	1.00	22	2-NITROPHENOL
23	18:29	0	0.947	1.00	160.00	160.00	0.407	0.407	1.00	23	2,4-DIMETHYLPHENOL
24	19:06	0	0.979	1.00	160.00	160.00	0.227	0.227	1.00	24	BENZOIC ACID
25	18:49	0	0.964	1.00	160.00	160.00	0.510	0.510	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:06	0	0.979	1.00	160.00	160.00	0.317	0.317	1.00	26	2,4-DICHLOROPHENOL
27	19:23	0	0.993	1.00	160.00	160.00	0.315	0.315	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:36	0	1.004	1.00	160.00	160.00	1.007	1.007	1.00	29	NAPHTHALENE
30	19:50	0	1.016	1.00	160.00	160.00	0.378	0.378	1.00	30	4-CHLOROANILINE
31	20:11	0	1.034	1.00	160.00	160.00	0.190	0.190	1.00	31	HEXACHLOROBTADIENE
32	21:25	0	1.097	1.00	160.00	160.00	0.328	0.328	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:53	0	1.121	1.00	160.00	160.00	0.671	0.671	1.00	33	2-METHYLNAPHTHALENE
34	22:37	0	0.891	1.00	160.00	160.00	0.415	0.415	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:53	0	0.902	1.00	160.00	160.00	0.414	0.414	1.00	35	2,4,6-TRICHLOROPHENOL
36	23:00	0	0.906	1.00	160.00	160.00	0.490	0.490	1.00	36	2,4,5-TRICHLOROPHENOL
38	23:30	0	0.926	1.00	160.00	160.00	1.303	1.303	1.00	38	2-CHLORONAPHTHALENE
39	23:56	0	0.943	1.00	160.00	160.00	0.367	0.367	1.00	39	2-NITROANILINE
40	24:39	0	0.971	1.00	160.00	160.00	1.559	1.559	1.00	40	DIMETHYLPHTHALATE
41	24:53	0	0.980	1.00	160.00	160.00	1.931	1.931	1.00	41	ACENAPHTHYLENE
42	24:52	0	0.980	1.00	160.00	160.00	0.324	0.324	1.00	42	2,6-DINITROTOLUENE
43	25:19	0	0.997	1.00	160.00	160.00	0.326	0.326	1.00	43	3-NITROANILINE
45	25:30	0	1.005	1.00	160.00	160.00	1.412	1.412	1.00	45	ACENAPHTHENE
46	25:39	0	1.011	1.00	160.00	160.00	0.205	0.205	1.00	46	2,4-DINITROPHENOL
47	25:49	0	1.017	1.00	160.00	160.00	0.309	0.309	1.00	47	4-NITROPHENOL
48	26:02	0	1.026	1.00	160.00	160.00	1.912	1.912	1.00	48	DIBENZOFURAN
49	26:10	0	1.031	1.00	160.00	160.00	0.480	0.480	1.00	49	2,4-DINITROTOLUENE
50	26:58	0	1.062	1.00	160.00	160.00	1.710	1.710	1.00	50	DIETHYLPHTHALATE
51	27:09	0	1.070	1.00	160.00	160.00	0.625	0.625	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:10	0	1.070	1.00	160.00	160.00	1.369	1.369	1.00	52	FLUORENE
53	27:22	0	1.078	1.00	160.00	160.00	0.269	0.269	1.00	53	4-NITROANILINE
54	27:30	0	0.909	1.00	160.00	160.00	0.130	0.130	1.00	54	4,6-DINITRO-2-METHYLPHENOL
55	27:33	0	0.911	1.00	160.00	160.00	0.408	0.408	1.00	55	N-NITROSODIPHENYLAMINE (1)
57	28:44	0	0.950	1.00	160.00	160.00	0.198	0.198	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:15	0	0.967	1.00	160.00	160.00	0.218	0.218	1.00	58	HEXACHLOROBENZENE
59	29:48	0	0.985	1.00	160.00	160.00	0.135	0.135	1.00	59	PENTACHLOROPHENOL
61	30:21	0	1.003	1.00	160.00	160.00	0.964	0.964	1.00	61	PHENANTHRENE
62	30:30	0	1.008	1.00	160.00	160.00	0.985	0.985	1.00	62	ANTHRACENE
63	32:16	0	1.067	1.00	160.00	160.00	1.275	1.275	1.00	63	DI-N-BUTYLPHTHALATE
64	34:19	0	1.134	1.00	160.00	160.00	0.984	0.984	1.00	64	FLUORANTHENE
65	35:33	0	0.910	1.00	160.00	160.00	0.077	0.077	1.00	65	BENZIDINE
66	35:04	0	0.897	1.00	160.00	160.00	2.028	2.028	1.00	66	PYRENE
69	37:13	0	0.952	1.00	160.00	160.00	0.994	0.994	1.00	69	BUTYLBENZYLPHTHALATE
70	38:55	0	0.996	1.00	160.00	160.00	0.117	0.117	1.00	70	3,3'-DICHLOROBENZIDINE
71	39:02	0	0.999	1.00	160.00	160.00	1.442	1.442	1.00	71	BENZO(A)ANTHRACENE
72	39:07	0	1.001	1.00	160.00	160.00	1.321	1.321	1.00	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:11	0	1.003	1.00	160.00	160.00	1.573	1.573	1.00	73	CHRYSENE
74	41:01	0	0.930	1.00	160.00	160.00	2.683	2.683	1.00	74	DI-N-OCTYLPHTHALATE
75	42:39	0	0.967	1.00	160.00	160.00	1.699	1.699	1.00	75	BENZO(B)FLUORANTHENE
76	42:44	0	0.969	1.00	160.00	160.00	1.372	1.372	1.00	76	BENZO(K)FLUORANTHENE
77	43:55	0	0.996	1.00	160.00	160.00	1.400	1.400	1.00	77	BENZO(A)PYRENE
78	49:34	0	1.124	1.00	160.00	160.00	1.276	1.276	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:34	0	1.124	1.00	160.00	160.00	1.085	1.085	1.00	79	DIBENZ(A,H)ANTHRACENE
80	51:07	0	1.160	1.00	160.00	160.00	1.076	1.076	1.00	80	BENZO(G,H,I)PERYLENE

PROCEDURE: TCA
 DATA FILE: BIJ160BS
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

8/30/90 19:59:50

BIH050DBS (08/27/90 17:24) Calib. loaded on 5100B 8/30/90 19:55:08

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	8	2	133	ABRET1/ABUNK1	
2	2	1	0	11	11	2	110	ABRET2/ABUNK2	
2	2	1	0	10	10	1	323	ABRET2/ABUNK3	
2	2	1	0	10	10	16	141	ABRET3/ABUNK4	
2	2	1	0	9	9	3	106	ABRET3/ABUNK5	
2	2	1	0	9	9	1	229	ABRET4/ABUNK6	
2	2	1	0	10	10	2	101	ABRET4/ABUNK7	
2	2	1	0	9	8	8	72	ABRET5/ABUNK8	
2	2	1	0	11	11	16	194	ABRET6/ABUNK9	
1	1	1	0	4	4	56	97	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 78 FOUND

< COMPOUND >			SEARCH					>< SAT ><	> CHRD <				
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-920	912	912	.	1	987	.	152	912	.	1
2	AB	2	-203	195	.	.	.	.	.	42	.	.	.
3	AB	3	-656	649	648	-1	1	987	.	112	648	.	1
4	AB	4	-860	853	854	1	1	983	.	99	854	.	1
5	AB	5	-863	856	857	1	1	986	.	94	856	-1	1
6	AB	6	-863	856	857	1	2	992	.	93	858	1	1
7	AB	7	-876	869	871	2	1	991	.	93	871	.	1
8	AB	8	-885	878	877	-1	1	997	.	128	877	.	1
9	AB	9	-913	906	905	-1	1	999	.	146	905	.	1
10	AB	10	-1179	1171	1171	.	1	981	.	136	1171	.	1
11	AB	11	-924	917	916	-1	1	999	.	146	916	.	1
12	AB	12	-955	948	950	2	1	984	.	108	950	.	1
13	AB	13	-961	954	954	.	1	995	.	146	954	.	1
14	AB	14	-982	975	974	-1	1	987	.	108	974	.	1
15	AB	15	-986	979	979	.	1	994	.	45	980	1	1
16	AB	16	-1011	1004	1005	1	1	984	.	108	1005	.	1
17	AB	17	-1015	1008	1007	-1	2	986	.	70	.	.	.
18	AB	18	-1023	1016	1016	.	1	988	.	117	1016	.	1
19	AB	19	-1039	1032	1033	1	1	998	.	82	1033	.	1
20	AB	20	-1043	1037	1037	.	1	997	.	77	1037	.	1
21	AB	21	-1090	1084	1085	1	1	995	.	82	1085	.	1
22	AB	22	-1107	1101	1100	-1	1	977	.	139	1099	-1	1
23	AB	23	-1116	1110	1109	-1	1	994	.	107	1109	.	1
24	AB	24	-1144	1138	1146	8	1	959	.	122	1146	.	1
25	AB	25	-1135	1129	1129	.	1	996	.	93	1129	.	1
26	AB	26	-1155	1149	1146	-3	1	990	.	162	1146	.	1
27	AB	27	-1170	1164	1163	-1	1	987	.	180	1163	.	1
28	AB	28	-1531	1523	1523	.	1	992	.	164	1523	.	1
29	AB	29	-1183	1175	1176	1	2	994	.	128	1176	.	1
30	AB	30	-1198	1190	1190	.	1	974	.	127	1190	.	1
31	AB	31	-1218	1210	1211	1	2	1000	.	225	1211	.	1
32	AB	32	-1295	1287	1285	-2	1	980	.	107	1285	.	1
33	AB	33	-1320	1312	1313	1	1	985	.	142	1313	.	1
34	AB	34	-1364	1356	1357	1	1	996	.	237	1357	.	1
35	AB	35	-1382	1374	1373	-1	2	1000	.	196	1373	.	1
36	AB	36	-1391	1382	1380	-2	2	993	.	196	1380	.	1
37	AB	37	-1397	1390	1390	.	1	995	.	172	1390	.	1

000267

000267

37	AB	37	-1477	1477	1479	2	1	994	163	1479	1
40	AB	40	-1484	1477	1479	2	1	994	163	1479	1
41	AB	41	-1501	1494	1493	-1	1	995	152	1493	1
42	AB	42	-1499	1492	1492	.	1	980	165	1492	1
43	AB	43	-1527	1520	1519	-1	1	959	138	1519	1
44	AB	44	-1823	1815	1815	.	1	984	188	1815	1
45	AB	45	-1538	1530	1530	.	1	996	153	1530	1
46	AB	46	-1548	1540	1539	-1	1	988	184	1539	1
47	AB	47	-1562	1554	1549	-5	1	968	109	1549	1
48	AB	48	-1569	1561	1562	1	1	981	168	1562	1
49	AB	49	-1577	1569	1570	1	1	978	165	1570	1
50	AB	50	-1623	1615	1618	3	1	995	149	1618	1
51	AB	51	-1636	1628	1629	1	1	953	204	1629	1
52	AB	52	-1637	1630	1630	.	1	997	166	1630	1
53	AB	53	-1648	1641	1642	1	1	943	138	1642	1
54	AB	54	-1657	1650	1650	.	1	981	198	1650	1
55	AB	55	-1660	1653	1653	.	2	995	169	1653	1
56	AB	56	-1689	1681	1681	.	1	969	330	1680	-1
57	AB	57	-1731	1723	1724	1	1	974	248	1724	1
58	AB	58	-1763	1755	1755	.	1	990	284	1755	1
59	AB	59	-1798	1790	1788	-2	1	1000	266	1788	1
60	AB	60	-2353	2345	2345	.	1	950	240	2345	1
61	AB	61	-1828	1821	1821	.	2	996	178	1821	1
62	AB	62	-1837	1830	1830	.	2	996	178	1830	1
63	AB	63	-1942	1935	1936	1	1	989	149	1936	1
64	AB	64	-2066	2059	2059	.	1	997	202	2059	1
65	AB	65	-2139	2132	.	.	.	.	184	2133	1
66	AB	66	-2112	2105	2104	-1	1	972	202	2104	1
67	AB	67	-2139	2132	2132	.	2	990	244	2132	1
68	AB	68	-2659	2646	2646	.	1	967	264	2645	-1
69	AB	69	-2238	2233	2233	.	1	989	149	2233	1
70	AB	70	-2343	2337	2335	-2	1	995	252	2335	1
71	AB	71	-2350	2343	2342	-1	2	994	228	2342	1
72	AB	72	-2352	2345	2347	2	1	979	149	2347	1
73	AB	73	-2358	2351	2351	.	2	995	228	2351	1
74	AB	74	-2465	2457	2461	4	1	972	149	2461	1
75	AB	75	-2567	2558	2559	1	2	959	252	2559	1
76	AB	76	-2573	2564	2564	.	2	959	252	2564	1
77	AB	77	-2646	2636	2635	-1	1	907	252	2635	1
78	AB	78	-2988	2995	2996	1	2	995	276	.	.
79	AB	79	-2987	2994	2993	-1	4	994	278	2993	1
80	AB	80	-3084	3097	3097	.	7	996	276	.	.

BIJ020BS 1

08/30/90 2018

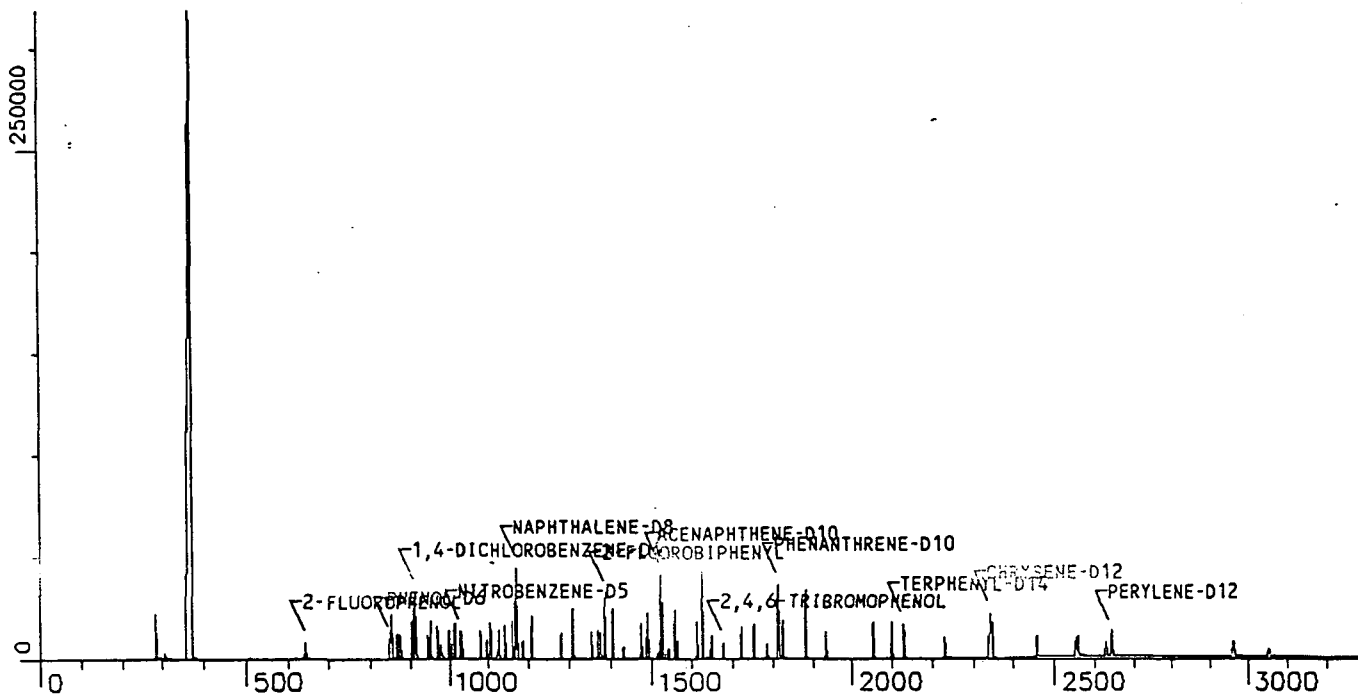
51008 -- BES

Sample: SST020 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	910	15:10	1	1.000	A BB	12312.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1168	19:28	10	1.000	A BB	45110.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1521	25:21	28	1.000	A BB	19190.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1812	30:12	44	1.000	A BB	37310.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2342	39:02	60	1.000	A BV	18651.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2643	44:03	68	1.000	A BB	15010.	40.000 NG/UL		68	PERYLENE-D12
3	112	643	10:43	1	0.707	A BB	6705.	20.000 NG/UL	20.0	3	2-FLUOROPHENOL
4	99	845	14:05	1	0.929	A BB	8778.	20.000 NG/UL	20.0	4	PHENOL-D6
19	82	1027	17:07	10	0.879	A BB	10335.	20.000 NG/UL	40.0	19	NITROBENZENE-D5
37	172	1386	23:06	28	0.911	A BB	21564.	20.000 NG/UL	40.0	37	2-FLUOROBIPHENYL
56	330	1677	27:57	28	1.103	A BB	1605.	20.000 NG/UL	20.0	56	2,4,6-TRIBROMOPHENOL
67	244	2129	35:29	60	0.909	A BB	13352.	20.000 NG/UL	40.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:10	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:28	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:21	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:12	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:02	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	44:03	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:43	0	0.707	1.00	20.00	20.00	1.089	1.089	1.00	3	2-FLUOROPHENOL
4	14:05	0	0.929	1.00	20.00	20.00	1.426	1.426	1.00	4	PHENOL-D6
19	17:07	0	0.879	1.00	20.00	20.00	0.458	0.458	1.00	19	NITROBENZENE-D5
37	23:06	0	0.911	1.00	20.00	20.00	2.247	2.247	1.00	37	2-FLUOROBIPHENYL
56	27:57	0	1.103	1.00	20.00	20.00	0.167	0.167	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:29	0	0.909	1.00	20.00	20.00	1.432	1.432	1.00	67	TERPHENYL-D14

BIJ020BS (08/30/90 20:18) RFs Loaded on 51008 8/30/90 21:22:29

000269

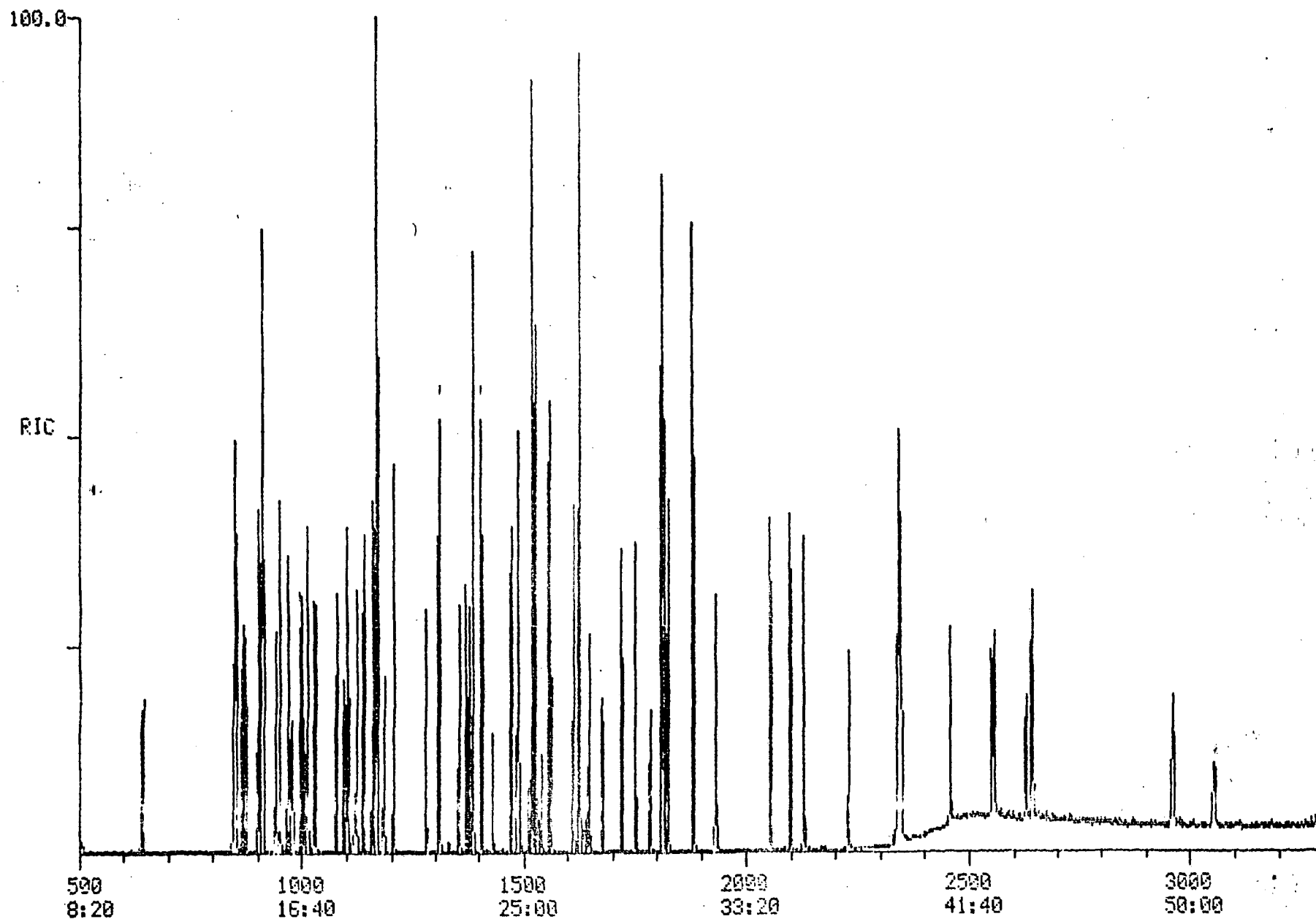
RIC
08/30/90 20:18:00
SAMPLE: SSTD020 CRV#BIJ
CONDS.: GC/MS 5100B
RANGE: G 1,3300 LABEL: N 0, 4.0

DATA: BIJ020B5 #1
CALI: BIJ020B5 #2

SCANS 500 TO 3300

000270

45120.



SCAN
TIME

BIJ020BS 2

08/30/90 2018

51008 -- BES

Sample: SST020 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	307	5:07	1	0.337	A BB	2420.	20.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	848	14:08	1	0.932	A BB	11874.	20.000 NG/UL		5	PHENOL
6	93	851	14:11	1	0.935	A BB	22313.	20.000 NG/UL		6	ANILINE
7	93	865	14:25	1	0.951	A BB	9428.	20.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	872	14:32	1	0.958	A BB	8204.	20.000 NG/UL		8	2-CHLOROPHENOL
9	146	902	15:02	1	0.991	A BB	10109.	20.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	913	15:13	1	1.003	A BB	10537.	20.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	942	15:42	1	1.035	A BB	4089.	20.000 NG/UL		12	BENZYL ALCOHOL
13	146	951	15:51	1	1.045	A BB	9818.	20.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	968	16:08	1	1.064	A BB	7332.	20.000 NG/UL		14	2-METHYLPHENOL
15	45	976	16:16	1	1.073	A BB	6944.	20.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	997	16:37	1	1.096	A BB	7390.	20.000 NG/UL		16	4-METHYLPHENOL
17	70	1004	16:44	1	1.103	A BB	4883.	20.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1013	16:53	1	1.113	A BB	5156.	20.000 NG/UL		18	HEXACHLOROETHANE
20	77	1031	17:11	10	0.883	A BB	9010.	20.000 NG/UL		20	NITROBENZENE
21	82	1078	17:58	10	0.923	A BB	15778.	20.000 NG/UL		21	ISOPHORONE
22	139	1095	18:15	10	0.937	A BB	3395.	20.000 NG/UL		22	2-NITROPHENOL
23	107	1103	18:23	10	0.944	A BB	8155.	20.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	NOT FOUND									24	BENZOIC ACID
25	93	1124	18:44	10	0.962	A BB	11006.	20.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1141	19:01	10	0.977	A BB	6689.	20.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1160	19:20	10	0.993	A BB	7760.	20.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1172	19:32	10	1.003	A BB	25948.	20.000 NG/UL		29	NAPHTHALENE
30	127	1186	19:46	10	1.015	A BB	6604.	20.000 NG/UL		30	4-CHLOROANILINE
31	225	1209	20:09	10	1.035	A BB	5037.	20.000 NG/UL		31	HEXACHLOROBUTADIENE
32	107	1281	21:21	10	1.097	A BB	6455.	20.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1309	21:49	10	1.121	A BB	16123.	20.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1355	22:35	28	0.891	A BB	3778.	20.000 NG/UL		34	HEXACHLOROCYCLOPENTADIENE
35	196	1370	22:50	28	0.901	A BB	3788.	20.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	NOT FOUND									36	2,4,5-TRICHLOROPHENOL
38	162	1406	23:26	28	0.924	A BB	14658.	20.000 NG/UL		38	2-CHLORONAPHTHALENE
39	NOT FOUND									39	2-NITROANILINE
40	163	1474	24:34	28	0.969	A BB	15068.	20.000 NG/UL		40	DIMETHYLPHTHALATE
41	152	1490	24:50	28	0.980	A BB	21460.	20.000 NG/UL		41	ACENAPHTHYLENE
42	165	1487	24:47	28	0.978	A BB	2712.	20.000 NG/UL		42	2,6-DINITROTOLUENE
43	NOT FOUND									43	3-NITROANILINE
45	153	1527	25:27	28	1.004	A BB	15236.	20.000 NG/UL		45	ACENAPHTHENE
46	NOT FOUND									46	2,4-DINITROPHENOL
47	NOT FOUND									47	4-NITROPHENOL
48	168	1558	25:58	28	1.024	A BB	21121.	20.000 NG/UL		48	DIBENZOFURAN
49	165	1564	26:04	28	1.028	A BB	3543.	20.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1613	26:53	28	1.060	A BB	15962.	20.000 NG/UL		50	DIETHYLPHTHALATE
51	204	1625	27:05	28	1.068	A BB	7566.	20.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETHER
52	166	1626	27:06	28	1.069	A BB	15973.	20.000 NG/UL		52	FLUORENE
53	NOT FOUND									53	4-NITROANILINE
54	NOT FOUND									54	4,6-DINITRO-2-METHYLPHENOL
55	169	1649	27:29	44	0.910	A BB	7073.	20.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1721	28:41	44	0.950	A BB	3801.	20.000 NG/UL		57	4-BROMOPHENYL-PHENYLETHER
58	284	1751	29:11	44	0.966	A BB	4320.	20.000 NG/UL		58	HEXACHLOROBENZENE
59	NOT FOUND									59	PENTACHLOROPHENOL
61	178	1817	30:17	44	1.003	A BV	19724.	20.000 NG/UL		61	PHENANTHRENE
62	178	1826	30:26	44	1.008	A VB	19345.	20.000 NG/UL		62	ANTHRACENE
63	149	1934	32:14	44	1.067	A BB	19384.	20.000 NG/UL		63	DI-N-BUTYLPHTHALATE
64	202	2055	34:15	44	1.134	A BB	18024.	20.000 NG/UL		64	FLUORANTHENE
65	NOT FOUND									65	BENZIDINE
66	202	2100	35:00	60	0.897	A BB	18301.	20.000 NG/UL		66	PYRENE
69	149	2230	37:10	60	0.952	A BB	6010.	20.000 NG/UL		69	BUTYLBENZYLPHTHALATE
70	252	2332	38:52	60	0.996	A BB	553.	20.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2338	38:58	60	0.998	A BV	12717.	20.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2345	39:05	60	1.001	A BB	8344.	20.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHTHALATE
73	228	2347	39:07	60	1.002	A VV	15143.	20.000 NG/UL		73	CHRYSENE
74	149	2458	40:58	68	0.930	A BV	13070.	20.000 NG/UL		74	DI-N-OCTYLPHTHALATE
75	252	2553	42:33	68	0.966	A BV	10446.	20.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2558	42:38	68	0.968	A VV	12149.	20.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2629	43:49	68	0.995	A BV	9683.	20.000 NG/UL		77	BENZO(A)PYRENE
78	276	2960	49:20	68	1.120	A BB	9216.	20.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2961	49:21	68	1.120	A BB	7471.	20.000 NG/UL		79	DIBENZO(A,H)ANTHRACENE
80	276	3055	50:55	68	1.156	A BB	7340.	20.000 NG/UL		80	BENZO(G,H,1)PERYLENE

BIJ020BS₃08/30/90 2018
51008 -- BES

Sample: SST0020 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD

Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:07	0	0.337	1.00	20.00	20.00	0.393	0.393	1.00	2	N-NITROSODIMETHYLAMINE
5	14:08	0	0.932	1.00	20.00	20.00	1.929	1.929	1.00	5	PHENOL
6	14:11	0	0.935	1.00	20.00	20.00	3.625	3.625	1.00	6	ANILINE
7	14:25	0	0.951	1.00	20.00	20.00	1.532	1.532	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:32	0	0.958	1.00	20.00	20.00	1.333	1.333	1.00	8	2-CHLOROPHENOL
9	15:02	0	0.991	1.00	20.00	20.00	1.642	1.642	1.00	9	1,3-DICHLOROBENZENE
11	15:13	0	1.003	1.00	20.00	20.00	1.712	1.712	1.00	11	1,4-DICHLOROBENZENE
12	15:42	0	1.035	1.00	20.00	20.00	0.664	0.664	1.00	12	BENZYL ALCOHOL
13	15:51	0	1.045	1.00	20.00	20.00	1.595	1.595	1.00	13	1,2-DICHLOROBENZENE
14	16:08	0	1.064	1.00	20.00	20.00	1.191	1.191	1.00	14	2-METHYLPHENOL
15	16:16	0	1.073	1.00	20.00	20.00	1.128	1.128	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:37	0	1.096	1.00	20.00	20.00	1.200	1.200	1.00	16	4-METHYLPHENOL
17	16:44	0	1.103	1.00	20.00	20.00	0.793	0.793	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:53	0	1.113	1.00	20.00	20.00	0.838	0.838	1.00	18	HEXACHLOROETHANE
20	17:11	0	0.883	1.00	20.00	20.00	0.399	0.399	1.00	20	NITROBENZENE
21	17:58	0	0.923	1.00	20.00	20.00	0.700	0.700	1.00	21	ISOPHORONE
22	18:15	0	0.937	1.00	20.00	20.00	0.151	0.151	1.00	22	2-NITROPHENOL
23	18:23	0	0.944	1.00	20.00	20.00	0.362	0.362	1.00	23	2,4-DIMETHYLPHENOL
24	19:06		0.979							24	BENZOIC ACID
25	18:44	0	0.962	1.00	20.00	20.00	0.488	0.488	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:01	0	0.977	1.00	20.00	20.00	0.297	0.297	1.00	26	2,4-DICHLOROPHENOL
27	19:20	0	0.993	1.00	20.00	20.00	0.344	0.344	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:32	0	1.003	1.00	20.00	20.00	1.150	1.150	1.00	29	NAPHTHALENE
30	19:46	0	1.015	1.00	20.00	20.00	0.293	0.293	1.00	30	4-CHLOROANILINE
31	20:09	0	1.035	1.00	20.00	20.00	0.223	0.223	1.00	31	HEXACHLOROBUTADIENE
32	21:21	0	1.097	1.00	20.00	20.00	0.286	0.286	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:49	0	1.121	1.00	20.00	20.00	0.715	0.715	1.00	33	2-METHYLNAPHTHALENE
34	22:35	0	0.891	1.00	20.00	20.00	0.394	0.394	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:50	0	0.901	1.00	20.00	20.00	0.395	0.395	1.00	35	2,4,6-TRICHLOROPHENOL
36	23:00		0.906							36	2,4,5-TRICHLOROPHENOL
38	23:26	0	0.924	1.00	20.00	20.00	1.528	1.528	1.00	38	2-CHLORONAPHTHALENE
39	23:56		0.943							39	2-NITROANILINE
40	24:34	0	0.969	1.00	20.00	20.00	1.570	1.570	1.00	40	DIMETHYLPHTHALATE
41	24:50	0	0.980	1.00	20.00	20.00	2.237	2.237	1.00	41	ACENAPHTHYLENE
42	24:47	0	0.978	1.00	20.00	20.00	0.283	0.283	1.00	42	2,6-DINITROTOLUENE
43	25:19		0.997							43	3-NITROANILINE
45	25:27	0	1.004	1.00	20.00	20.00	1.588	1.588	1.00	45	ACENAPHTHENE
46	25:39		1.011							46	2,4-DINITROPHENOL
47	25:49		1.017							47	4-NITROPHENOL
48	25:58	0	1.024	1.00	20.00	20.00	2.201	2.201	1.00	48	DIBENZOFURAN
49	26:04	0	1.028	1.00	20.00	20.00	0.369	0.369	1.00	49	2,4-DINITROTOLUENE
50	26:53	0	1.060	1.00	20.00	20.00	1.664	1.664	1.00	50	DIETHYLPHTHALATE
51	27:05	0	1.068	1.00	20.00	20.00	0.789	0.789	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:06	0	1.069	1.00	20.00	20.00	1.665	1.665	1.00	52	FLUORENE
53	27:22		1.078							53	4-NITROANILINE
54	27:30		0.909							54	4,6-DINITRO-2-METHYLPHENOL
55	27:29	0	0.910	1.00	20.00	20.00	0.379	0.379	1.00	55	N-NITROSODIPHENYLAMINE (1)
57	28:41	0	0.950	1.00	20.00	20.00	0.204	0.204	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:11	0	0.966	1.00	20.00	20.00	0.232	0.232	1.00	58	HEXACHLOROBENZENE
59	29:48		0.985							59	PENTACHLOROPHENOL
61	30:17	0	1.003	1.00	20.00	20.00	1.057	1.057	1.00	61	PHENANTHRENE
62	30:26	0	1.008	1.00	20.00	20.00	1.037	1.037	1.00	62	ANTHRACENE
63	32:14	0	1.067	1.00	20.00	20.00	1.039	1.039	1.00	63	DI-N-BUTYLPHTHALATE
64	34:15	0	1.134	1.00	20.00	20.00	0.966	0.966	1.00	64	FLUORANTHENE
65	35:33		0.910							65	BENZIDINE
66	35:00	0	0.897	1.00	20.00	20.00	1.962	1.962	1.00	66	PYRENE
69	37:10	0	0.952	1.00	20.00	20.00	0.644	0.644	1.00	69	BUTYLBENZYLPHTHALATE
70	38:52	0	0.996	1.00	20.00	20.00	0.059	0.059	1.00	70	3,3'-DICHLOROBENZIDINE
71	38:58	0	0.998	1.00	20.00	20.00	1.364	1.364	1.00	71	BENZO(A)ANTHRACENE
72	39:05	0	1.001	1.00	20.00	20.00	0.895	0.895	1.00	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:07	0	1.002	1.00	20.00	20.00	1.624	1.624	1.00	73	CHRYSENE
74	40:58	0	0.930	1.00	20.00	20.00	1.742	1.742	1.00	74	01-N-OCTYLPHTHALATE
75	42:33	0	0.966	1.00	20.00	20.00	1.392	1.392	1.00	75	BENZO(B)FLUORANTHENE
76	42:38	0	0.968	1.00	20.00	20.00	1.619	1.619	1.00	76	BENZO(K)FLUORANTHENE
77	43:49	0	0.995	1.00	20.00	20.00	1.290	1.290	1.00	77	BENZO(A)PYRENE
78	49:20	0	1.120	1.00	20.00	20.00	1.228	1.228	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:21	0	1.120	1.00	20.00	20.00	0.995	0.995	1.00	79	DIBENZ(A,H)ANTHRACENE
80	50:55	0	1.156	1.00	20.00	20.00	0.978	0.978	1.00	80	BENZO(G,H,I)PERYLENE

PROCEDURE: TCA
 DATA FILE: BIJ020BS
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

8/30/90 21:07:16

BIJ160BS (08/30/90 18:51) Calib. loaded on 5100B 8/30/90 20:48:35

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	9	4	236	ABRET1/ABUNK1	
2	2	1	0	11	11	1	280	ABRET2/ABUNK2	
2	2	1	0	10	10	1	684	ABRET2/ABUNK3	
2	2	1	0	10	10	4	106	ABRET3/ABUNK4	
2	2	1	0	9	8	1	118	ABRET3/ABUNK5	
2	2	1	0	9	9	1	179	ABRET4/ABUNK6	
2	2	1	0	10	9	1	130	ABRET4/ABUNK7	
2	2	1	0	9	8	4	80	ABRET5/ABUNK8	
2	2	1	0	11	11	16	142	ABRET6/ABUNK9	
1	1	1	0	4	4	1	249	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 77 FOUND

< COMPOUND >			>< SEARCH ><					>< SAT ><		>< CHRD ><			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-912	910	910	.	1	993	.	152	910	.	1
2	AB	2	-315	307	307	.	2	978	.	42	307	.	1
3	AB	3	-648	641	643	2	1	990	.	112	643	.	1
4	AB	4	-854	848	845	-3	1	972	.	99	845	.	1
5	AB	5	-856	850	848	-2	1	972	.	94	848	.	1
6	AB	6	-858	852	851	-1	1	994	.	93	851	.	1
7	AB	7	-871	865	865	.	1	995	.	93	865	.	1
8	AB	8	-877	872	872	.	1	996	.	128	872	.	1
9	AB	9	-905	900	902	2	2	998	.	146	902	.	1
10	AB	10	-1171	1168	1168	.	1	978	.	136	1168	.	1
11	AB	11	-916	911	913	2	1	996	.	146	913	.	1
12	AB	12	-950	945	942	-3	1	985	.	108	942	.	1
13	AB	13	-954	949	951	2	1	997	.	146	951	.	1
14	AB	14	-974	969	968	-1	1	985	.	108	968	.	1
15	AB	15	-980	975	976	1	1	993	.	45	976	.	1
16	AB	16	-1005	1000	997	-3	1	983	.	108	997	.	1
17	AB	17	-1014	1009	1004	-5	1	986	.	70	1004	.	1
18	AB	18	-1016	1011	1013	2	1	984	.	117	1013	.	1
19	AB	19	-1033	1028	1027	-1	1	995	.	82	1027	.	1
20	AB	20	-1037	1032	1031	-1	1	998	.	77	1031	.	1
21	AB	21	-1085	1079	1078	-1	1	995	.	82	1078	.	1
22	AB	22	-1099	1092	1095	3	1	969	.	139	1095	.	1
23	AB	23	-1109	1102	1103	1	1	995	.	107	1103	.	1
24	AB	24	-1146	1138	1121	-17	1	965	.	122	1121	.	1
25	AB	25	-1129	1122	1124	2	1	995	.	93	1124	.	1
26	AB	26	-1146	1138	1141	3	1	991	.	162	1141	.	1
27	AB	27	-1163	1155	1160	5	1	990	.	180	1160	.	1
28	AB	28	-1523	1521	1521	.	1	990	.	164	1521	.	1
29	AB	29	-1176	1172	1172	.	1	995	.	128	1172	.	1
30	AB	30	-1190	1186	1186	.	1	968	.	127	1186	.	1
31	AB	31	-1211	1207	1209	2	1	996	.	225	1209	.	1
32	AB	32	-1285	1282	1280	-2	1	990	.	107	1281	1	1
33	AB	33	-1313	1310	1309	-1	1	948	.	142	1309	.	1
34	AB	34	-1357	1354	1355	1	1	996	.	237	1355	.	1
35	AB	35	-1373	1370	1370	.	2	996	.	196	1370	.	1
36	AB	36	-1380	1377	1376	-1	2	993	.	196	1376	.	1
37	AB	37	-1390	1386	1386	.	1	996	.	172	1386	.	1

000273

000273

37	AB	37	-1430	1432	.	.	.	83	1432	.	1
40	AB	40	-1479	1475	1474	-1	1	991	163	1474	1
41	AB	41	-1493	1489	1490	1	1	995	152	1490	1
42	AB	42	-1492	1488	1487	-1	1	979	165	1487	1
43	AB	43	-1519	1515	1514	-1	1	968	138	1514	1
44	AB	44	-1815	1812	1812	.	1	976	188	1812	1
45	AB	45	-1530	1525	1527	2	1	1000	153	1527	1
46	AB	46	-1539	1534	1533	-1	1	989	184	1533	1
47	AB	47	-1549	1544	1542	-2	1	976	109	1542	1
48	AB	48	-1562	1558	1558	.	1	975	168	1558	1
49	AB	49	-1570	1566	1564	-2	1	978	165	1564	1
50	AB	50	-1618	1614	1613	-1	1	995	149	1613	1
51	AB	51	-1629	1625	1626	1	1	956	204	1625	-1
52	AB	52	-1630	1627	1626	-1	1	998	166	1626	1
53	AB	53	-1642	1639	.	.	.	.	138	.	.
54	AB	54	-1650	1647	1644	-3	1	983	198	1644	1
55	AB	55	-1653	1650	1649	-1	1	992	169	1649	1
56	AB	56	-1680	1677	1677	.	1	990	330	1677	1
57	AB	57	-1724	1721	1722	1	1	967	248	1721	-1
58	AB	58	-1755	1752	1752	.	1	988	284	1751	-1
59	AB	59	-1788	1785	1785	.	1	999	266	1785	1
60	AB	60	-2345	2342	2342	.	1	942	240	2342	1
61	AB	61	-1821	1818	1817	-1	2	997	178	1817	1
62	AB	62	-1830	1827	1826	-1	2	997	178	1826	1
63	AB	63	-1936	1933	1934	1	1	987	149	1934	1
64	AB	64	-2059	2056	2055	-1	1	991	202	2055	1
65	AB	65	-2133	2130	.	.	.	.	184	2137	1
66	AB	66	-2104	2101	2100	-1	1	957	202	2100	1
67	AB	67	-2132	2129	2129	.	1	995	244	2129	1
68	AB	68	-2645	2643	2643	.	1	970	264	2643	1
69	AB	69	-2233	2230	2230	.	1	975	149	2230	1
70	AB	70	-2335	2332	2332	.	1	995	252	2332	1
71	AB	71	-2342	2339	2338	-1	2	993	228	2338	1
72	AB	72	-2347	2344	2345	1	1	960	149	2345	1
73	AB	73	-2351	2348	2347	-1	2	996	228	2347	1
74	AB	74	-2461	2457	2458	1	1	965	149	2458	1
75	AB	75	-2559	2555	2553	-2	2	969	252	2553	1
76	AB	76	-2564	2560	2558	-2	2	969	252	2558	1
77	AB	77	-2635	2630	2629	-1	1	917	252	2629	1
78	AB	78	-2974	2962	2960	-2	1	985	276	2960	1
79	AB	79	-2974	2962	2961	-1	1	994	278	2961	1
80	AB	80	-3067	3053	3055	2	1	995	276	3055	1

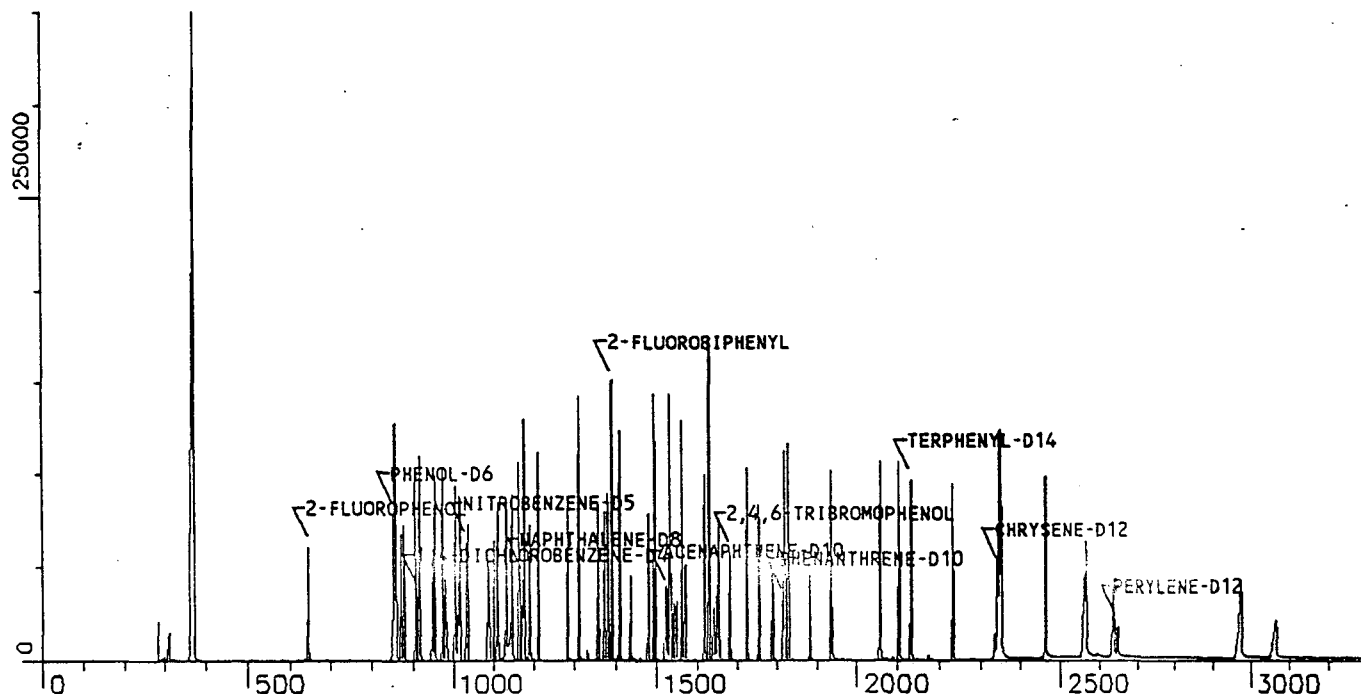
BIJ120BS₁08/30/90 2125
51008 -- BES

Sample: SSTD120 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	912	15:12	1	1.000	A BB	13325.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1171	19:31	10	1.000	A BB	48012.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1523	25:23	28	1.000	A BB	21421.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1815	30:15	44	1.000	A BB	39912.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2345	39:05	60	1.000	A BV	20892.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2646	44:06	68	1.000	A BB	18833.	40.000 NG/UL		68	PERYLENE-D12
3	112	646	10:46	1	0.708	A BB	51118.	120.000 NG/UL	120.0	3	2-FLUOROPHENOL
4	99	852	14:12	1	0.934	A BB	65553.	120.000 NG/UL	120.0	4	PHENOL-D6
19	82	1032	17:12	10	0.881	A BB	75325.	120.000 NG/UL	240.0	19	NITROBENZENE-D5
37	172	1390	23:10	28	0.913	A BB	124728.	120.000 NG/UL	240.0	37	2-FLUOROBIPHENYL
56	330	1681	28:01	28	1.104	A BB	12221.	120.000 NG/UL	120.0	56	2,4,6-TRIBROMOPHENOL
67	244	2133	35:33	60	0.910	A BV	89531.	120.000 NG/UL	240.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:12	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:31	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:23	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:15	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:05	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	44:06	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:46	0	0.708	1.00	120.00	120.00	1.279	1.279	1.00	3	2-FLUOROPHENOL
4	14:12	0	0.934	1.00	120.00	120.00	1.640	1.640	1.00	4	PHENOL-D6
19	17:12	0	0.881	1.00	120.00	120.00	0.523	0.523	1.00	19	NITROBENZENE-D5
37	23:10	0	0.913	1.00	120.00	120.00	1.941	1.941	1.00	37	2-FLUOROBIPHENYL
56	28:01	0	1.104	1.00	120.00	120.00	0.190	0.190	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:33	0	0.910	1.00	120.00	120.00	1.428	1.428	1.00	67	TERPHENYL-D14

BIJ120BS (08/30/90 21:25) RFs Loaded on 51008 8/30/90 22:32:00

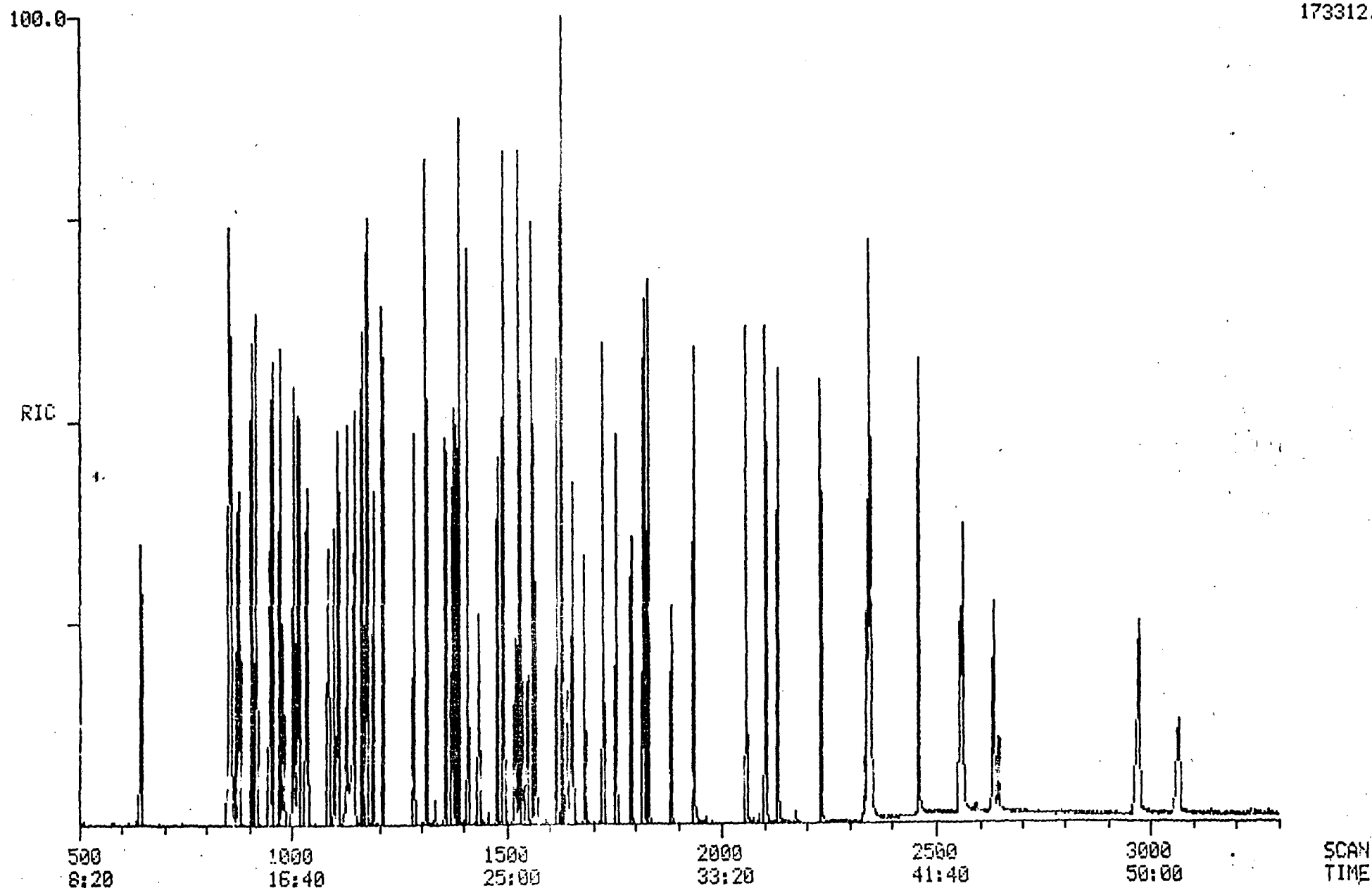
RIC
08/30/90 21:25:00
SAMPLE: SST0120 CRU#BIJ
CONDS.: GC/MS 5100B
RANGE: G 1.3300 LABEL: N 0, 4.0

DATA: BIJ120BS #1
CALI: BIJ120BS #2

SCANS 500 TO 3300

000276

173312.



BIJ120BS₂

08/30/90 2125

51008 -- BES

Sample: SSTD120 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	311	5:11	1	0.341	A BB	18818.	120.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	855	14:15	1	0.937	A BV	81005.	120.000 NG/UL		5	PHENOL
6	93	856	14:16	1	0.939	A BV	153631.	120.000 NG/UL		6	ANILINE
7	93	870	14:30	1	0.954	A VV	62200.	120.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	876	14:36	1	0.961	A BB	57704.	120.000 NG/UL		8	2-CHLOROPHENOL
9	146	905	15:05	1	0.992	A BB	61042.	120.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	916	15:16	1	1.004	A BB	62568.	120.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	948	15:48	1	1.039	A BV	31431.	120.000 NG/UL		12	BENZYL ALCOHOL
13	146	954	15:54	1	1.046	A BB	59854.	120.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	973	16:13	1	1.067	A BV	55046.	120.000 NG/UL		14	2-METHYLPHENOL
15	45	979	16:19	1	1.073	A BB	48569.	120.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	1004	16:44	1	1.101	A BB	57513.	120.000 NG/UL		16	4-METHYLPHENOL
17	70	1012	16:52	1	1.110	A BB	37838.	120.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1016	16:56	1	1.114	A BB	31249.	120.000 NG/UL		18	HEXACHLOROETHANE
20	77	1036	17:16	10	0.885	A BB	61074.	120.000 NG/UL		20	NITROBENZENE
21	82	1084	18:04	10	0.926	A BB	118456.	120.000 NG/UL		21	ISOPHORONE
22	139	1099	18:19	10	0.939	A BB	28693.	120.000 NG/UL		22	2-NITROPHENOL
23	107	1108	18:28	10	0.946	A BB	58821.	120.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	122	1142	19:02	10	0.975	A BB	29917.	120.000 NG/UL		24	BENZOIC ACID
25	93	1129	18:49	10	0.964	A BB	75690.	120.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1114	19:06	10	0.979	A BB	46356.	120.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1163	19:23	10	0.993	A BB	46907.	120.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1176	19:36	10	1.004	A BB	153585.	120.000 NG/UL		29	NAPHTHALENE
30	127	1190	19:50	10	1.016	A BB	54674.	120.000 NG/UL		30	4-CHLOROANILINE
31	225	1211	20:11	10	1.034	A BB	28952.	120.000 NG/UL		31	HEXACHLOROBUTADIENE
32	107	1284	21:24	10	1.096	A BB	49313.	120.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1313	21:53	10	1.121	A BB	101480.	120.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1357	22:37	28	0.891	A BB	27977.	120.000 NG/UL		34	HEXACHLOROCYCLOPENTADIENE
35	196	1373	22:53	28	0.902	A BV	27740.	120.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	196	1380	23:00	28	0.906	A VB	32295.	120.000 NG/UL		36	2,4,5-TRICHLOROPHENOL
38	162	1410	23:30	28	0.926	A BB	89247.	120.000 NG/UL		38	2-CHLORONAPHTHALENE
39	65	1436	23:56	28	0.943	A BB	23789.	120.000 NG/UL		39	2-NITROANILINE
40	163	1478	24:38	28	0.970	A BB	101713.	120.000 NG/UL		40	DIMETHYLPHthalate
41	152	1494	24:54	28	0.981	A BB	132918.	120.000 NG/UL		41	ACENAPHTHYLENE
42	165	1492	24:52	28	0.980	A BB	21800.	120.000 NG/UL		42	2,6-DINITROTOLUENE
43	138	1519	25:19	28	0.997	A BV	20535.	120.000 NG/UL		43	3-NITROANILINE
45	153	1531	25:31	28	1.005	A BB	92385.	120.000 NG/UL		45	ACENAPHTHENE
46	184	1539	25:39	28	1.011	A BB	12107.	120.000 NG/UL		46	2,4-DINITROPHENOL
47	109	1549	25:49	28	1.017	A BV	19720.	120.000 NG/UL		47	4-NITROPHENOL
48	168	1562	26:02	28	1.026	A BB	127595.	120.000 NG/UL		48	DIBENZOFURAN
49	165	1570	26:10	28	1.031	A BB	30677.	120.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1618	26:58	28	1.062	A BV	110634.	120.000 NG/UL		50	DIETHYLPHthalate
51	204	1629	27:09	28	1.070	A BB	41573.	120.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETHER
52	166	1631	27:11	28	1.071	A BB	90778.	120.000 NG/UL		52	FLUORENE
53	138	1641	27:21	28	1.077	A BV	16743.	120.000 NG/UL		53	4-NITROANILINE
54	198	1649	27:29	44	0.909	A BB	14819.	120.000 NG/UL		54	4,6-DINITRO-2-METHYLPHENOL
55	169	1653	27:33	44	0.911	A BB	49062.	120.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1725	28:45	44	0.950	A BB	23572.	120.000 NG/UL		57	4-BROMOPHENYL-PHENYLETHER
58	284	1755	29:15	44	0.967	A BB	25896.	120.000 NG/UL		58	HEXACHLOROBENZENE
59	266	1789	29:49	44	0.986	A BB	15319.	120.000 NG/UL		59	PENTACHLOROPHENOL
61	178	1821	30:21	44	1.003	A BV	117556.	120.000 NG/UL		61	PHENANTHRENE
62	178	1830	30:30	44	1.008	A VB	121003.	120.000 NG/UL		62	ANTHRACENE
63	149	1937	32:17	44	1.067	A BV	154502.	120.000 NG/UL		63	DI-N-BUTYLPHthalate
64	202	2059	34:19	44	1.134	A BV	121408.	120.000 NG/UL		64	FLUORANTHENE
65	184	2133	35:33	60	0.940	A BB	1878.	65.000 NG/UL		65	BENZOTRIENE
66	202	2104	35:04	60	0.897	A BV	121654.	120.000 NG/UL		66	PYRENE
69	149	2233	37:13	60	0.952	A BV	57024.	120.000 NG/UL		69	BUTYLBENZYLPHthalate
70	252	2335	38:55	60	0.996	A BB	6313.	120.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2342	39:02	60	0.999	A BV	89404.	120.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2347	39:07	60	1.001	A BB	80050.	120.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHthalate
73	228	2351	39:11	60	1.003	A VB	97862.	120.000 NG/UL		73	CHRYSENE
74	149	2461	41:01	68	0.930	A BV	133531.	120.000 NG/UL		74	DI-N-OCTYLPHthalate
75	252	2559	42:39	68	0.967	A BV	87818.	120.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2564	42:44	68	0.969	A VV	77544.	120.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2635	43:55	68	0.996	A BB	76165.	120.000 NG/UL		77	BENZO(A)PYRENE
78	276	2971	49:31	68	1.123	A BV	73991.	120.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2973	49:33	68	1.124	A BB	58367.	120.000 NG/UL		79	DIBENZ(A,N)ANTHRACENE
80	276	3066	51:06	68	1.159	A BV	61616.	120.000 NG/UL		80	BENZO(G,N,I)PERYLENE

000277

BIJ120BS₃08/30/90 2125.
51008 -- BES

Sample: SSTD120 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD

Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:11	0	0.341	1.00	120.00	120.00	0.471	0.471	1.00	2	N-NITROSODIMETHYLAMINE
5	14:15	0	0.937	1.00	120.00	120.00	2.026	2.026	1.00	5	PHENOL
6	14:16	0	0.939	1.00	120.00	120.00	3.843	3.843	1.00	6	ANILINE
7	14:30	0	0.954	1.00	120.00	120.00	1.556	1.556	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:36	0	0.961	1.00	120.00	120.00	1.444	1.444	1.00	8	2-CHLOROPHENOL
9	15:05	0	0.992	1.00	120.00	120.00	1.527	1.527	1.00	9	1,3-DICHLOROBENZENE
11	15:16	0	1.004	1.00	120.00	120.00	1.565	1.565	1.00	11	1,4-DICHLOROBENZENE
12	15:48	0	1.039	1.00	120.00	120.00	0.786	0.786	1.00	12	BENZYL ALCOHOL
13	15:54	0	1.046	1.00	120.00	120.00	1.497	1.497	1.00	13	1,2-DICHLOROBENZENE
14	16:13	0	1.067	1.00	120.00	120.00	1.377	1.377	1.00	14	2-METHYLPHENOL
15	16:19	0	1.073	1.00	120.00	120.00	1.215	1.215	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:44	0	1.101	1.00	120.00	120.00	1.439	1.439	1.00	16	4-METHYLPHENOL
17	16:52	0	1.110	1.00	120.00	120.00	0.947	0.947	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:56	0	1.114	1.00	120.00	120.00	0.782	0.782	1.00	18	HEXACHLOROETHANE
20	17:16	0	0.885	1.00	120.00	120.00	0.424	0.424	1.00	20	NITROBENZENE
21	18:04	0	0.926	1.00	120.00	120.00	0.822	0.822	1.00	21	ISOPHORONE
22	18:19	0	0.939	1.00	120.00	120.00	0.199	0.199	1.00	22	2-NITROPHENOL
23	18:28	0	0.946	1.00	120.00	120.00	0.408	0.408	1.00	23	2,4-DIMETHYLPHENOL
24	19:02	0	0.975	1.00	120.00	120.00	0.208	0.208	1.00	24	BENZOIC ACID
25	18:49	0	0.964	1.00	120.00	120.00	0.525	0.525	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:06	0	0.979	1.00	120.00	120.00	0.322	0.322	1.00	26	2,4-DICHLOROPHENOL
27	19:23	0	0.993	1.00	120.00	120.00	0.326	0.326	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:36	0	1.004	1.00	120.00	120.00	1.066	1.066	1.00	29	NAPHTHALENE
30	19:50	0	1.016	1.00	120.00	120.00	0.380	0.380	1.00	30	4-CHLOROANILINE
31	20:11	0	1.034	1.00	120.00	120.00	0.201	0.201	1.00	31	HEXACHLOROBUTADIENE
32	21:24	0	1.096	1.00	120.00	120.00	0.342	0.342	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:53	0	1.121	1.00	120.00	120.00	0.705	0.705	1.00	33	2-METHYLNAPHTHALENE
34	22:37	0	0.891	1.00	120.00	120.00	0.435	0.435	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:53	0	0.902	1.00	120.00	120.00	0.432	0.432	1.00	35	2,4,6-TRICHLOROPHENOL
36	23:00	0	0.906	1.00	120.00	120.00	0.503	0.503	1.00	36	2,4,5-TRICHLOROPHENOL
38	23:30	0	0.926	1.00	120.00	120.00	1.389	1.389	1.00	38	2-CHLORONAPHTHALENE
39	23:56	0	0.943	1.00	120.00	120.00	0.370	0.370	1.00	39	2-NITROANILINE
40	24:38	0	0.970	1.00	120.00	120.00	1.583	1.583	1.00	40	DIMETHYLPHTHALATE
41	24:54	0	0.981	1.00	120.00	120.00	2.068	2.068	1.00	41	ACENAPHTHYLENE
42	24:52	0	0.980	1.00	120.00	120.00	0.339	0.339	1.00	42	2,6-DINITROTOLUENE
43	25:19	0	0.997	1.00	120.00	120.00	0.320	0.320	1.00	43	3-NITROANILINE
45	25:31	0	1.005	1.00	120.00	120.00	1.438	1.438	1.00	45	ACENAPHTHENE
46	25:39	0	1.011	1.00	120.00	120.00	0.188	0.188	1.00	46	2,4-DINITROPHENOL
47	25:49	0	1.017	1.00	120.00	120.00	0.307	0.307	1.00	47	4-NITROPHENOL
48	26:02	0	1.026	1.00	120.00	120.00	1.986	1.986	1.00	48	DIBENZOFURAN
49	26:10	0	1.031	1.00	120.00	120.00	0.477	0.477	1.00	49	2,4-DINITROTOLUENE
50	26:58	0	1.062	1.00	120.00	120.00	1.722	1.722	1.00	50	DIETHYLPHTHALATE
51	27:09	0	1.070	1.00	120.00	120.00	0.647	0.647	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:11	0	1.071	1.00	120.00	120.00	1.413	1.413	1.00	52	FLUORENE
53	27:21	0	1.077	1.00	120.00	120.00	0.261	0.261	1.00	53	4-NITROANILINE
54	27:29	0	0.909	1.00	120.00	120.00	0.124	0.124	1.00	54	4,6-DINITRO-2-METHYLPHENOL
55	27:33	0	0.911	1.00	120.00	120.00	0.410	0.410	1.00	55	N-NITROSODIPHEYLAMINE (1)
57	28:45	0	0.950	1.00	120.00	120.00	0.197	0.197	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:15	0	0.967	1.00	120.00	120.00	0.216	0.216	1.00	58	HEXACHLOROBENZENE
59	29:49	0	0.986	1.00	120.00	120.00	0.128	0.128	1.00	59	PENTACHLOROPHENOL
61	30:21	0	1.003	1.00	120.00	120.00	0.982	0.982	1.00	61	PHENANTHRENE
62	30:30	0	1.008	1.00	120.00	120.00	1.011	1.011	1.00	62	ANTHRACENE
63	32:17	0	1.067	1.00	120.00	120.00	1.290	1.290	1.00	63	DI-N-BUTYLPHTHALATE
64	34:19	0	1.134	1.00	120.00	120.00	1.014	1.014	1.00	64	FLUORANTHENE
65	35:33	0	0.910	1.00	120.00	120.00	0.055	0.055	1.00	65	BENZIDINE
66	35:04	0	0.897	1.00	120.00	120.00	1.941	1.941	1.00	66	PYRENE
69	37:13	0	0.952	1.00	120.00	120.00	0.910	0.910	1.00	69	BUTYLBENZYLPHTHALATE
70	38:55	0	0.996	1.00	120.00	120.00	0.101	0.101	1.00	70	3,3'-DICHLOROBENZIDINE
71	39:02	0	0.999	1.00	120.00	120.00	1.426	1.426	1.00	71	BENZO(A)ANTHRACENE
72	39:07	0	1.001	1.00	120.00	120.00	1.277	1.277	1.00	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:11	0	1.003	1.00	120.00	120.00	1.561	1.561	1.00	73	CHRYSENE
74	41:01	0	0.930	1.00	120.00	120.00	2.363	2.363	1.00	74	DI-N-OCTYLPHTHALATE
75	42:39	0	0.967	1.00	120.00	120.00	1.554	1.554	1.00	75	BENZO(B)FLUORANTHENE
76	42:44	0	0.969	1.00	120.00	120.00	1.372	1.372	1.00	76	BENZO(K)FLUORANTHENE
77	43:55	0	0.996	1.00	120.00	120.00	1.348	1.348	1.00	77	BENZO(A)PYRENE
78	49:31	0	1.123	1.00	120.00	120.00	1.310	1.310	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:33	0	1.124	1.00	120.00	120.00	1.033	1.033	1.00	79	DIBENZO(A,H)ANTHRACENE
80	51:06	0	1.159	1.00	120.00	120.00	1.091	1.091	1.00	80	BENZO(G,H,I)PERYLENE

PROCEDURE: TCA
 DATA FILE: BIJ120BS
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

8/30/90 22:16:25

BIJ160BS (08/30/90 18:51) Calib. loaded on 5100B 8/30/90 20:48:35

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	9	1	91	ABRET1/ABUNK1	
2	2	1	0	11	11	1	79	ABRET2/ABUNK2	
2	2	1	0	10	10	2	132	ABRET2/ABUNK3	
2	2	1	0	10	10	8	44	ABRET3/ABUNK4	
2	2	1	0	9	9	3	63	ABRET3/ABUNK5	
2	2	1	0	9	8	1	46	ABRET4/ABUNK6	
2	2	1	0	10	9	2	75	ABRET4/ABUNK7	
2	2	1	0	9	8	8	46	ABRET5/ABUNK8	
2	2	1	0	11	11	16	42	ABRET6/ABUNK9	
1	1	1	0	4	4	12	123	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 77 FOUND

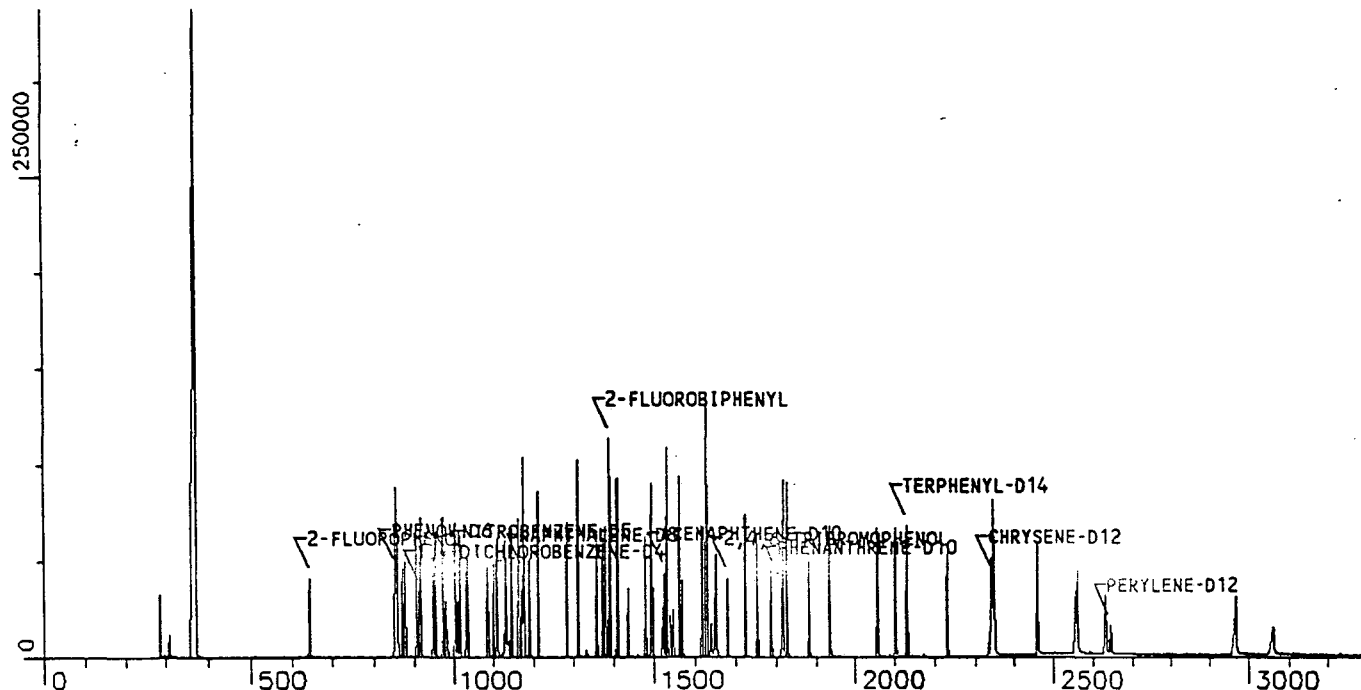
< COMPOUND ><			SEARCH					>< SAT ><		> CHRO < < < <			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-912	912	912	.	1	989	.	152	912	.	1
2	AB	2	-315	311	311	.	1	959	.	42	311	.	1
3	AB	3	-648	646	646	.	1	987	.	112	646	.	1
4	AB	4	-854	853	852	-1	1	980	.	99	852	.	1
5	AB	5	-856	855	855	.	1	983	.	94	855	.	1
6	AB	6	-858	857	855	-2	1	948	.	93	856	1	1
7	AB	7	-871	870	870	.	1	992	.	93	870	.	1
8	AB	8	-877	876	876	.	1	995	.	128	876	.	1
9	AB	9	-905	904	905	1	1	998	.	146	905	.	1
10	AB	10	-1171	1171	1171	.	1	982	.	136	1171	.	1
11	AB	11	-916	915	916	1	1	997	.	146	916	.	1
12	AB	12	-950	949	948	-1	1	984	.	108	948	.	1
13	AB	13	-954	953	954	1	1	993	.	146	954	.	1
14	AB	14	-974	973	973	.	1	985	.	108	973	.	1
15	AB	15	-980	979	979	.	1	996	.	45	979	.	1
16	AB	16	-1005	1004	1004	.	1	987	.	108	1004	.	1
17	AB	17	-1014	1013	1012	-1	1	989	.	70	1012	.	1
18	AB	18	-1016	1015	1015	.	1	987	.	117	1016	1	1
19	AB	19	-1033	1032	1032	.	1	996	.	82	1032	.	1
20	AB	20	-1037	1036	1036	.	1	995	.	77	1036	.	1
21	AB	21	-1085	1084	1084	.	1	993	.	82	1084	.	1
22	AB	22	-1099	1098	1099	1	1	969	.	139	1099	.	1
23	AB	23	-1109	1108	1108	.	1	991	.	107	1108	.	1
24	AB	24	-1146	1145	1142	-3	2	997	.	122	1142	.	1
25	AB	25	-1129	1128	1129	1	1	994	.	93	1129	.	1
26	AB	26	-1146	1145	1146	1	1	992	.	162	1146	.	1
27	AB	27	-1163	1162	1163	1	1	990	.	180	1163	.	1
28	AB	28	-1523	1524	1524	.	1	995	.	164	1523	-1	1
29	AB	29	-1176	1176	1176	.	2	995	.	128	1176	.	1
30	AB	30	-1190	1190	1190	.	1	975	.	127	1190	.	1
31	AB	31	-1211	1211	1211	.	1	999	.	225	1211	.	1
32	AB	32	-1285	1285	1284	-1	1	987	.	107	1284	.	1
33	AB	33	-1313	1313	1313	.	1	986	.	142	1313	.	1
34	AB	34	-1357	1357	1357	.	1	997	.	237	1357	.	1
35	AB	35	-1373	1373	1373	.	2	997	.	196	1373	.	1
36	AB	36	-1380	1380	1380	.	2	991	.	196	1380	.	1
37	AB	37	-1390	1390	1390	.	1	995	.	172	1390	.	1

000279

37	AB	37	-1430	1430	1430	1	701	83	1430	1	
40	AB	40	-1479	1479	1478	-1	1	991	163	1478	1
41	AB	41	-1493	1493	1494	1	1	995	152	1494	1
42	AB	42	-1492	1492	1492	.	1	982	165	1492	1
43	AB	43	-1519	1519	1519	.	1	966	138	1519	1
44	AB	44	-1815	1815	1815	.	1	977	188	1815	1
45	AB	45	-1530	1530	1531	1	1	1000	153	1531	1
46	AB	46	-1539	1539	1539	.	1	985	184	1539	1
47	AB	47	-1549	1549	1549	.	1	980	109	1549	1
48	AB	48	-1562	1562	1562	.	1	976	168	1562	1
49	AB	49	-1570	1570	1570	.	1	983	165	1570	1
50	AB	50	-1618	1618	1618	.	1	996	149	1618	1
51	AB	51	-1629	1629		.	.		204	1629	1
52	AB	52	-1630	1630	1631	1	1	995	166	1631	1
53	AB	53	-1642	1642	1641	-1	1	943	138	1641	1
54	AB	54	-1650	1650	1650	.	1	987	198	1649	-1
55	AB	55	-1653	1653	1653	.	2	993	169	1653	1
56	AB	56	-1680	1680	1681	1	1	984	330	1681	1
57	AB	57	-1724	1724		.	.		248	1725	1
58	AB	58	-1755	1755	1755	.	1	967	284	1755	1
59	AB	59	-1788	1788	1789	1	1	1000	266	1789	1
60	AB	60	-2345	2346	2346	.	1	955	240	2345	-1
61	AB	61	-1821	1821	1821	.	2	995	178	1821	1
62	AB	62	-1830	1830	1830	.	2	995	178	1830	1
63	AB	63	-1936	1936	1937	1	1	990	149	1937	1
64	AB	64	-2059	2059	2059	.	1	998	202	2059	1
65	AB	65	-2133	2134		.	.		184	2133	1
66	AB	66	-2104	2105	2104	-1	1	979	202	2104	1
67	AB	67	-2132	2133	2133	.	2	995	244	2133	1
68	AB	68	-2645	2646	2646	.	1	966	264	2646	1
69	AB	69	-2233	2233	2233	.	1	989	149	2233	1
70	AB	70	-2335	2335	2335	.	1	996	252	2335	1
71	AB	71	-2342	2342	2342	.	2	993	228	2342	1
72	AB	72	-2347	2347	2347	.	1	967	149	2347	1
73	AB	73	-2351	2351	2351	.	2	998	228	2351	1
74	AB	74	-2461	2461	2461	.	1	964	149	2461	1
75	AB	75	-2559	2559	2559	.	2	957	252	2559	1
76	AB	76	-2564	2564	2564	.	2	958	252	2564	1
77	AB	77	-2635	2635	2635	.	1	901	252	2635	1
78	AB	78	-2974	2986	2987	1	3	982	276		.
79	AB	79	-2974	2986	2987	1	2	995	278	2988	1
80	AB	80	-3067	3082	3081	-1	2	997	276	3083	2

Sample: SST080 CRV#BIJ
 Conditions: GC/MS 51008
 Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC
 Volume: 0.00100 ml

BIJ080BS
 08/30/90 2235
 51008 -- BES



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XRec	No	Name
1	152	912	15:12	1	1.000	A BB	13184.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1171	19:31	10	1.000	A BB	49105.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1523	25:23	28	1.000	A BB	21087.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1814	30:14	44	1.000	A BB	42565.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2344	39:04	60	1.000	A BB	20779.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2645	44:05	68	1.000	A BB	16734.	40.000 NG/UL		68	PERYLENE-D12
3	112	645	10:45	1	0.707	A BB	33277.	80.000 NG/UL	80.0	3	2-FLUOROPHENOL
4	99	850	14:10	1	0.932	A BB	43135.	80.000 NG/UL	80.0	4	PHENOL-D6
19	82	1031	17:11	10	0.880	A BB	49503.	80.000 NG/UL	160.0	19	NITROBENZENE-D5
37	172	1389	23:09	28	0.912	A BB	90860.	80.000 NG/UL	160.0	37	2-FLUOROBIPHENYL
56	330	1680	28:00	28	1.103	A BB	7875.	80.000 NG/UL	80.0	56	2,4,6-TRIBROMOPHENOL
67	244	2131	35:31	60	0.909	A BV	58380.	80.000 NG/UL	160.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:12	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:31	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:23	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:14	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:04	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	44:05	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:45	0	0.707	1.00	80.00	80.00	1.262	1.262	1.00	3	2-FLUOROPHENOL
4	14:10	0	0.932	1.00	80.00	80.00	1.636	1.636	1.00	4	PHENOL-D6
19	17:11	0	0.880	1.00	80.00	80.00	0.504	0.504	1.00	19	NITROBENZENE-D5
37	23:09	0	0.912	1.00	80.00	80.00	2.154	2.154	1.00	37	2-FLUOROBIPHENYL
56	28:00	0	1.103	1.00	80.00	80.00	0.187	0.187	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:31	0	0.909	1.00	80.00	80.00	1.405	1.405	1.00	67	TERPHENYL-D14

BIJ080BS (08/30/90 22:35) RFs loaded on 51008 8/30/90 23:38:35

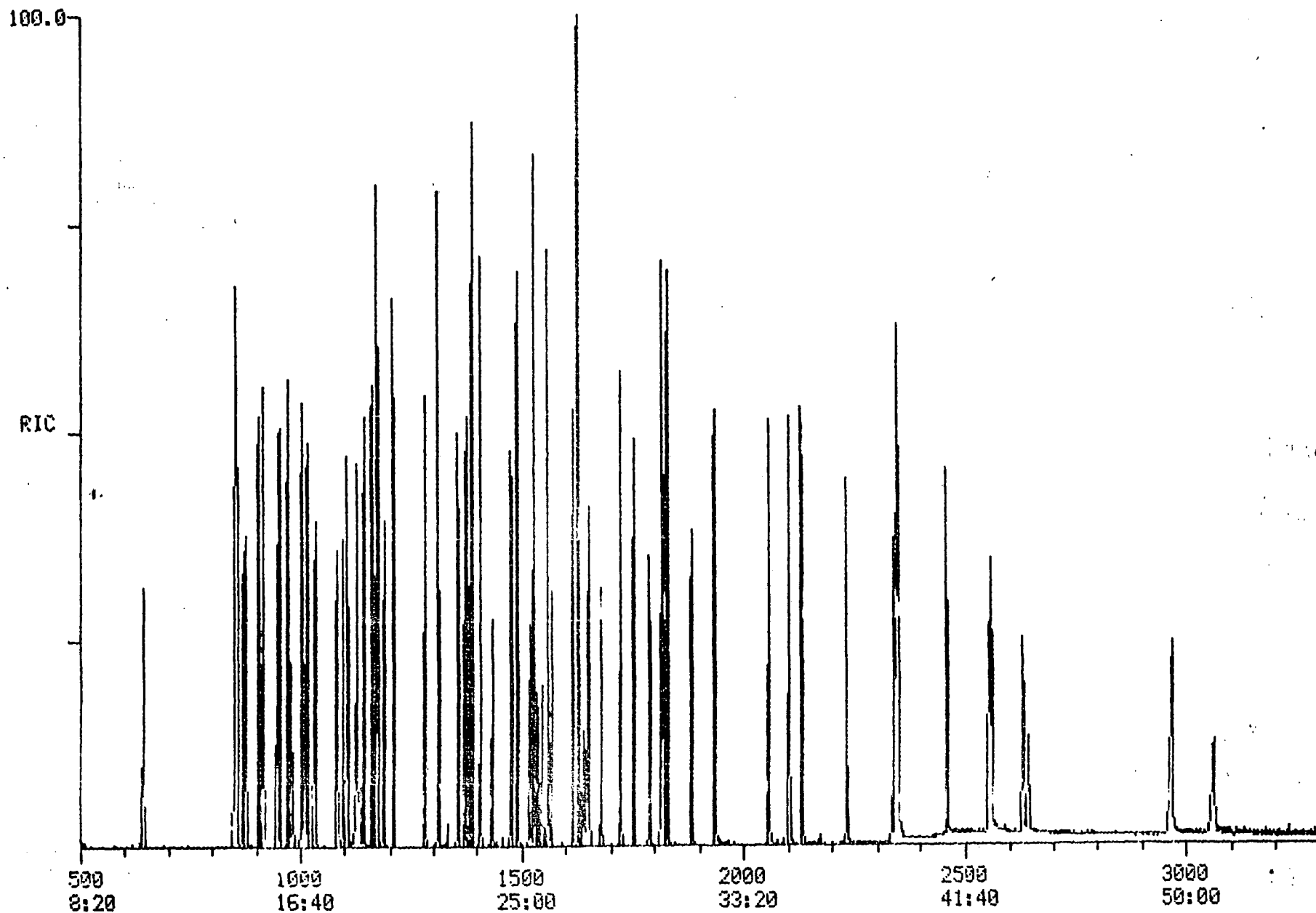
RIC
08/30/90 22:35:00
SAMPLE: SST0000 CRU#BIJ
CONDS.: GC/MS 5100B
RANGE: G 1.3300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BIJ08005 #1
CALI: BIJ08005 #2

SCANS 500 TO 3300

000282

131072.



SCAN
TIME

BIJ080BS 2

08/30/90 2235

51008 -- BES

Sample: SST0080 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	309	5:09	1	0.339	A BB	12211.	80.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	853	14:13	1	0.935	A BB	53735.	80.000 NG/UL		5	PHENOL
6	93	855	14:15	1	0.937	A BV	104051.	80.000 NG/UL		6	ANILINE
7	93	869	14:29	1	0.953	A VV	41401.	80.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	875	14:35	1	0.959	A BB	37913.	80.000 NG/UL		8	2-CHLOROPHENOL
9	146	905	15:05	1	0.992	A BB	41208.	80.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	916	15:16	1	1.004	A BB	42336.	80.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	947	15:47	1	1.038	A BV	19984.	80.000 NG/UL		12	BENZYL ALCOHOL
13	146	953	15:53	1	1.045	A BB	40157.	80.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	972	16:12	1	1.066	A BV	35879.	80.000 NG/UL		14	2-METHYLPHENOL
15	45	979	16:19	1	1.073	A BB	32480.	80.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	1003	16:43	1	1.100	A BB	36864.	80.000 NG/UL		16	4-METHYLPHENOL
17	70	1010	16:50	1	1.107	A BV	24815.	80.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1016	16:56	1	1.114	A BB	21153.	80.000 NG/UL		18	HEXACHLOROETHANE
20	77	1035	17:15	10	0.884	A BB	41623.	80.000 NG/UL		20	NITROBENZENE
21	82	1083	18:03	10	0.925	A BB	78800.	80.000 NG/UL		21	ISOPHORONE
22	139	1099	18:19	10	0.939	A BB	18711.	80.000 NG/UL		22	2-NITROPHENOL
23	107	1108	18:28	10	0.946	A BB	39445.	80.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	122	1136	18:56	10	0.970	A VV	18505.	80.000 NG/UL		24	BENZOIC ACID
25	93	1128	18:48	10	0.963	A BB	50967.	80.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1145	19:05	10	0.978	A BB	31508.	80.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1162	19:22	10	0.992	A BB	33128.	80.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1175	19:35	10	1.003	A BB	107696.	80.000 NG/UL		29	NAPHTHALENE
30	127	1189	19:49	10	1.015	A BB	37039.	80.000 NG/UL		30	4-CHLOROANILINE
31	225	1211	20:11	10	1.034	A BB	20849.	80.000 NG/UL		31	HEXACHLOROBUTADIENE
32	107	1284	21:24	10	1.096	A BB	33485.	80.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1312	21:52	10	1.120	A BB	73166.	80.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1357	22:37	28	0.891	A BB	19668.	80.000 NG/UL		34	HEXACHLOROCYCLOPENTADIENE
35	196	1373	22:53	28	0.902	A BV	19228.	80.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	196	1379	22:59	28	0.905	A VB	22039.	80.000 NG/UL		36	2,4,5-TRICHLOROPHENOL
38	162	1409	23:29	28	0.925	A BB	63545.	80.000 NG/UL		38	2-CHLORONAPHTHALENE
39	65	1435	23:55	28	0.942	A BB	15491.	80.000 NG/UL		39	2-NITROANILINE
40	163	1477	24:37	28	0.970	A BB	69043.	80.000 NG/UL		40	DIMETHYLPHTHALATE
41	152	1493	24:53	28	0.980	A BB	92771.	80.000 NG/UL		41	ACENAPHTHYLENE
42	165	1491	24:51	28	0.979	A BB	14589.	80.000 NG/UL		42	2,6-DINITROTOLUENE
43	138	1517	25:17	28	0.996	A BV	12954.	80.000 NG/UL		43	3-NITROANILINE
45	153	1530	25:30	28	1.005	A BB	64276.	80.000 NG/UL		45	ACENAPHTHENE
46	184	1537	25:37	28	1.009	A BB	7628.	80.000 NG/UL		46	2,4-DINITROPHENOL
47	109	1547	25:47	28	1.016	A BV	12755.	80.000 NG/UL		47	4-NITROPHENOL
48	168	1561	26:01	28	1.025	A BB	86804.	80.000 NG/UL		48	DIBENZOFURAN
49	165	1568	26:08	28	1.030	A BB	19935.	80.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1616	26:56	28	1.061	A BV	73651.	80.000 NG/UL		50	DIETHYLPHTHALATE
51	204	1628	27:08	28	1.069	A BB	29248.	80.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETHER
52	166	1630	27:10	28	1.070	A BB	63494.	80.000 NG/UL		52	FLUORENE
53	138	1639	27:19	28	1.076	A BV	9939.	80.000 NG/UL		53	4-NITROANILINE
54	198	1648	27:28	44	0.908	A BB	9605.	80.000 NG/UL		54	4,6-DINITRO-2-METHYLPHENOL
55	169	1652	27:32	44	0.911	A BB	32837.	80.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1724	28:44	44	0.950	A BB	16473.	80.000 NG/UL		57	4-BROMOPHENYL-PHENYLETHER
58	284	1754	29:14	44	0.967	A BB	18027.	80.000 NG/UL		58	HEXACHLOROBENZENE
59	266	1788	29:48	44	0.986	A BB	10253.	80.000 NG/UL		59	PENTACHLOROPHENOL
61	178	1820	30:20	44	1.003	A BV	85914.	80.000 NG/UL		61	PHENANTHRENE
62	178	1829	30:29	44	1.008	A VB	88390.	80.000 NG/UL		62	ANTHRACENE
63	149	1936	32:16	44	1.067	A BB	107029.	80.000 NG/UL		63	DI-N-BUTYLPHTHALATE
64	202	2057	34:17	44	1.134	A BB	80734.	80.000 NG/UL		64	FLUORANTHENE
65	184	2131	35:31	60	0.909	A BB	1218.	80.000 NG/UL		65	BENZIDINE
66	202	2103	35:03	60	0.897	A BV	80663.	80.000 NG/UL		66	PYRENE
69	149	2232	37:12	60	0.952	A BV	34568.	80.000 NG/UL		69	BUTYLBENZYLPHTHALATE
70	252	2334	38:54	60	0.996	A BB	3638.	80.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2341	39:01	60	0.999	A BV	58917.	80.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2346	39:06	60	1.001	A BV	51156.	80.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHTHALATE
73	228	2350	39:10	60	1.003	A VV	63898.	80.000 NG/UL		73	CHRYSENE
74	149	2459	40:59	68	0.930	A VV	81410.	80.000 NG/UL		74	DI-N-OCTYLPHTHALATE
75	252	2556	42:36	68	0.966	A BV	50431.	80.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2562	42:42	68	0.969	A VV	53834.	80.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2633	43:53	68	0.995	A BV	44025.	80.000 NG/UL		77	BENZO(A)PYRENE
78	276	2966	49:26	68	1.121	A BB	47463.	80.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2968	49:28	68	1.122	A BV	37739.	80.000 NG/UL		79	DIBENZ(A,N)ANTHRACENE
80	276	3061	51:01	68	1.157	A BV	38360.	80.000 NG/UL		80	BENZO(G,H,I)PERYLENE

BIJ080BS 3

08/30/90 2235

51008 -- BES

Sample: SST0080 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:09	0	0.339	1.00	80.00	80.00	0.463	0.463	1.00	2	N-NITROSODIMETHYLAMINE
5	14:13	0	0.935	1.00	80.00	80.00	2.038	2.038	1.00	5	PHENOL
6	14:15	0	0.937	1.00	80.00	80.00	3.946	3.946	1.00	6	ANILINE
7	14:29	0	0.953	1.00	80.00	80.00	1.570	1.570	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:35	0	0.959	1.00	80.00	80.00	1.438	1.438	1.00	8	2-CHLOROPHENOL
9	15:05	0	0.992	1.00	80.00	80.00	1.563	1.563	1.00	9	1,3-DICHLOROBENZENE
11	15:16	0	1.004	1.00	80.00	80.00	1.606	1.606	1.00	11	1,4-DICHLOROBENZENE
12	15:47	0	1.038	1.00	80.00	80.00	0.758	0.758	1.00	12	BENZYL ALCOHOL
13	15:53	0	1.045	1.00	80.00	80.00	1.523	1.523	1.00	13	1,2-DICHLOROBENZENE
14	16:12	0	1.066	1.00	80.00	80.00	1.361	1.361	1.00	14	2-METHYLPHENOL
15	16:19	0	1.073	1.00	80.00	80.00	1.232	1.232	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:43	0	1.100	1.00	80.00	80.00	1.398	1.398	1.00	16	4-METHYLPHENOL
17	16:50	0	1.107	1.00	80.00	80.00	0.941	0.941	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:56	0	1.114	1.00	80.00	80.00	0.802	0.802	1.00	18	HEXACHLOROETHANE
20	17:15	0	0.884	1.00	80.00	80.00	0.424	0.424	1.00	20	NITROBENZENE
21	18:03	0	0.925	1.00	80.00	80.00	0.802	0.802	1.00	21	ISOPHORONE
22	18:19	0	0.939	1.00	80.00	80.00	0.191	0.191	1.00	22	2-NITROPHENOL
23	18:28	0	0.946	1.00	80.00	80.00	0.402	0.402	1.00	23	2,4-DIMETHYLPHENOL
24	18:56	0	0.970	1.00	80.00	80.00	0.188	0.188	1.00	24	BENZOIC ACID
25	18:48	0	0.963	1.00	80.00	80.00	0.519	0.519	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:05	0	0.978	1.00	80.00	80.00	0.321	0.321	1.00	26	2,4-DICHLOROPHENOL
27	19:22	0	0.992	1.00	80.00	80.00	0.337	0.337	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:35	0	1.003	1.00	80.00	80.00	1.097	1.097	1.00	29	NAPHTHALENE
30	19:49	0	1.015	1.00	80.00	80.00	0.377	0.377	1.00	30	4-CHLOROANILINE
31	20:11	0	1.034	1.00	80.00	80.00	0.212	0.212	1.00	31	HEXACHLOROBUTADIENE
32	21:24	0	1.096	1.00	80.00	80.00	0.341	0.341	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:52	0	1.120	1.00	80.00	80.00	0.745	0.745	1.00	33	2-METHYLNAPHTHALENE
34	22:37	0	0.891	1.00	80.00	80.00	0.466	0.466	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:53	0	0.902	1.00	80.00	80.00	0.456	0.456	1.00	35	2,4,6-TRICHLOROPHENOL
36	22:59	0	0.905	1.00	80.00	80.00	0.523	0.523	1.00	36	2,4,5-TRICHLOROPHENOL
38	23:29	0	0.925	1.00	80.00	80.00	1.507	1.507	1.00	38	2-CHLORONAPHTHALENE
39	23:55	0	0.942	1.00	80.00	80.00	0.367	0.367	1.00	39	2-NITROANILINE
40	24:37	0	0.970	1.00	80.00	80.00	1.637	1.637	1.00	40	DIMETHYLPHthalate
41	24:53	0	0.980	1.00	80.00	80.00	2.200	2.200	1.00	41	ACENAPHTHYLENE
42	24:51	0	0.979	1.00	80.00	80.00	0.346	0.346	1.00	42	2,6-DINITROTOLUENE
43	25:17	0	0.996	1.00	80.00	80.00	0.307	0.307	1.00	43	3-NITROANILINE
45	25:30	0	1.005	1.00	80.00	80.00	1.524	1.524	1.00	45	ACENAPHTHENE
46	25:37	0	1.009	1.00	80.00	80.00	0.181	0.181	1.00	46	2,4-DINITROPHENOL
47	25:47	0	1.016	1.00	80.00	80.00	0.302	0.302	1.00	47	4-NITROPHENOL
48	26:01	0	1.025	1.00	80.00	80.00	2.058	2.058	1.00	48	DIBENZOFURAN
49	26:08	0	1.030	1.00	80.00	80.00	0.473	0.473	1.00	49	2,4-DINITROTOLUENE
50	26:56	0	1.061	1.00	80.00	80.00	1.746	1.746	1.00	50	DIETHYLPHthalate
51	27:08	0	1.069	1.00	80.00	80.00	0.694	0.694	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:10	0	1.070	1.00	80.00	80.00	1.506	1.506	1.00	52	FLUORENE
53	27:19	0	1.076	1.00	80.00	80.00	0.236	0.236	1.00	53	4-NITROANILINE
54	27:28	0	0.908	1.00	80.00	80.00	0.113	0.113	1.00	54	4,6-DINITRO-2-METHYLPHENOL
55	27:32	0	0.911	1.00	80.00	80.00	0.386	0.386	1.00	55	N-NITROSODIPHENYLAMINE (1)
57	28:44	0	0.950	1.00	80.00	80.00	0.194	0.194	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:14	0	0.967	1.00	80.00	80.00	0.212	0.212	1.00	58	HEXACHLOROBENZENE
59	29:48	0	0.986	1.00	80.00	80.00	0.120	0.120	1.00	59	PENTACHLOROPHENOL
61	30:20	0	1.003	1.00	80.00	80.00	1.009	1.009	1.00	61	PHENANTHRENE
62	30:29	0	1.008	1.00	80.00	80.00	1.038	1.038	1.00	62	ANTHRACENE
63	32:16	0	1.067	1.00	80.00	80.00	1.257	1.257	1.00	63	DI-N-BUTYLPHthalate
64	34:17	0	1.134	1.00	80.00	80.00	0.948	0.948	1.00	64	FLUORANTHENE
65	35:31	0	0.909	1.00	80.00	80.00	0.036	0.036	1.00	65	BENZIDINE
66	35:03	0	0.897	1.00	80.00	80.00	1.941	1.941	1.00	66	PYRENE
69	37:12	0	0.952	1.00	80.00	80.00	0.832	0.832	1.00	69	BUTYLBENZYLPHthalate
70	38:54	0	0.996	1.00	80.00	80.00	0.088	0.088	1.00	70	3,3'-DICHLOROBENZIDINE
71	39:01	0	0.999	1.00	80.00	80.00	1.418	1.418	1.00	71	BENZO(A)ANTHRACENE
72	39:06	0	1.001	1.00	80.00	80.00	1.231	1.231	1.00	72	BIS(2-ETHYLHEXYL)PHthalate
73	39:10	0	1.003	1.00	80.00	80.00	1.538	1.538	1.00	73	CHRYSENE
74	40:59	0	0.930	1.00	80.00	80.00	2.432	2.432	1.00	74	DI-N-OCTYLPHthalate
75	42:36	0	0.966	1.00	80.00	80.00	1.507	1.507	1.00	75	BENZO(B)FLUORANTHENE
76	42:42	0	0.969	1.00	80.00	80.00	1.609	1.609	1.00	76	BENZO(K)FLUORANTHENE
77	43:53	0	0.995	1.00	80.00	80.00	1.315	1.315	1.00	77	BENZO(A)PYRENE
78	49:26	0	1.121	1.00	80.00	80.00	1.418	1.418	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:28	0	1.122	1.00	80.00	80.00	1.128	1.128	1.00	79	DIBENZ(A,H)ANTHRACENE
80	51:01	0	1.157	1.00	80.00	80.00	1.146	1.146	1.00	80	BENZO(G,H,I)PERYLENE

000284

PROCEDURE: TCA
 DATA FILE: BIJ080BS
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

8/30/90 23:24:16

BIJ160BS (08/30/90 18:51) Calib. loaded on 5100B 8/30/90 20:48:35

< ---- STANDARDS ----- >				> --- PLUS UNKNOWN --- >				> - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	9	1	128	ABRET1/ABUNK1	
2	2	1	0	11	11	1	143	ABRET2/ABUNK2	
2	2	1	0	10	10	2	283	ABRET2/ABUNK3	
2	2	1	0	10	10	4	49	ABRET3/ABUNK4	
2	2	1	0	9	9	3	78	ABRET3/ABUNK5	
2	2	1	0	9	8	1	95	ABRET4/ABUNK6	
2	2	1	0	10	10	2	109	ABRET4/ABUNK7	
2	2	1	0	9	8	4	57	ABRET5/ABUNK8	
2	2	1	0	11	11	16	78	ABRET6/ABUNK9	
1	1	1	0	4	4	6	130	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 78 FOUND

< COMPOUND >			> SEARCH >					> SAT >		> CHRO >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-912	912	912	.	1	991	.	152	912	.	1
2	AB	2	-315	309	309	.	1	962	.	42	309	.	1
3	AB	3	-648	644	645	1	1	986	.	112	645	.	1
4	AB	4	-854	852	850	-2	1	974	.	99	850	.	1
5	AB	5	-856	854	853	-1	1	982	.	94	853	.	1
6	AB	6	-858	856	855	-1	1	992	.	93	855	.	1
7	AB	7	-871	869	869	.	1	994	.	93	869	.	1
8	AB	8	-877	875	875	.	1	996	.	128	875	.	1
9	AB	9	-905	903	905	2	1	998	.	146	905	.	1
10	AB	10	-1171	1171	1171	.	1	981	.	136	1171	.	1
11	AB	11	-916	915	916	1	1	997	.	146	916	.	1
12	AB	12	-950	949	947	-2	1	988	.	108	947	.	1
13	AB	13	-954	953	953	.	1	998	.	146	953	.	1
14	AB	14	-974	973	972	-1	1	987	.	108	972	.	1
15	AB	15	-980	979	979	.	1	996	.	45	979	.	1
16	AB	16	-1005	1004	1003	-1	1	985	.	108	1003	.	1
17	AB	17	-1014	1013	1010	-3	1	987	.	70	1010	.	1
18	AB	18	-1016	1015	1016	1	1	990	.	117	1016	.	1
19	AB	19	-1033	1032	1031	-1	1	996	.	82	1031	.	1
20	AB	20	-1037	1036	1035	-1	1	998	.	77	1035	.	1
21	AB	21	-1085	1083	1083	.	2	993	.	82	1083	.	1
22	AB	22	-1099	1097	1099	2	1	976	.	139	1099	.	1
23	AB	23	-1109	1107	1108	1	1	992	.	107	1108	.	1
24	AB	24	-1146	1144	1137	-7	1	994	.	122	1136	-1	1
25	AB	25	-1129	1127	1128	1	1	996	.	93	1128	.	1
26	AB	26	-1146	1144	1145	1	1	992	.	162	1145	.	1
27	AB	27	-1163	1161	1163	2	1	990	.	180	1162	-1	1
28	AB	28	-1523	1523	1523	.	1	992	.	164	1523	.	1
29	AB	29	-1176	1175	1175	.	1	995	.	128	1175	.	1
30	AB	30	-1190	1189	1189	.	1	972	.	127	1189	.	1
31	AB	31	-1211	1210	1211	1	1	997	.	225	1211	.	1
32	AB	32	-1285	1285	1284	-1	1	985	.	107	1284	.	1
33	AB	33	-1313	1313	1312	-1	1	984	.	142	1312	.	1
34	AB	34	-1357	1357	1357	.	1	995	.	237	1357	.	1
35	AB	35	-1373	1373	1373	.	2	997	.	196	1373	.	1
36	AB	36	-1380	1380	1380	.	2	981	.	196	1379	-1	1
37	AB	37	-1390	1389	1389	.	1	996	.	172	1389	.	1

000285

37	AB	37	-1478	1478	1478	.	1	788	.	88	1488	.	1
40	AB	40	-1479	1478	1477	-1	1	993	.	163	1477	.	1
41	AB	41	-1493	1492	1493	1	1	996	.	152	1493	.	1
42	AB	42	-1492	1491	1491	.	1	983	.	165	1491	.	1
43	AB	43	-1519	1518	1517	-1	1	961	.	138	1517	.	1
44	AB	44	-1815	1814	1814	.	1	977	.	188	1814	.	1
45	AB	45	-1530	1529	1530	1	1	999	.	153	1530	.	1
46	AB	46	-1539	1538	1537	-1	1	987	.	184	1537	.	1
47	AB	47	-1549	1548	1547	-1	1	982	.	109	1547	.	1
48	AB	48	-1562	1561	1561	.	1	978	.	168	1561	.	1
49	AB	49	-1570	1569	1568	-1	1	983	.	165	1568	.	1
50	AB	50	-1618	1617	1616	-1	1	996	.	149	1616	.	1
51	AB	51	-1629	1628		.	.		.	204	1628	.	1
52	AB	52	-1630	1629	1630	1	1	997	.	166	1630	.	1
53	AB	53	-1642	1641	1639	-2	1	943	.	138	1639	.	1
54	AB	54	-1650	1649	1648	-1	1	991	.	198	1648	.	1
55	AB	55	-1653	1652	1652	.	2	994	.	169	1652	.	1
56	AB	56	-1680	1679	1680	1	1	988	.	330	1680	.	1
57	AB	57	-1724	1723	1724	1	1	976	.	248	1724	.	1
58	AB	58	-1755	1754	1754	.	1	984	.	284	1754	.	1
59	AB	59	-1788	1787	1788	1	1	1000	.	266	1788	.	1
60	AB	60	-2345	2344	2344	.	1	951	.	240	2344	.	1
61	AB	61	-1821	1820	1820	.	2	996	.	178	1820	.	1
62	AB	62	-1830	1829	1829	.	2	996	.	178	1829	.	1
63	AB	63	-1936	1935	1936	1	1	988	.	149	1936	.	1
64	AB	64	-2059	2058	2057	-1	1	994	.	202	2057	.	1
65	AB	65	-2133	2132		.	.		.	184	2131	.	1
66	AB	66	-2104	2103	2103	.	1	981	.	202	2103	.	1
67	AB	67	-2132	2131	2131	.	1	995	.	244	2131	.	1
68	AB	68	-2645	2645	2645	.	1	968	.	264	2645	.	1
69	AB	69	-2233	2232	2232	.	1	992	.	149	2232	.	1
70	AB	70	-2335	2334	2334	.	1	995	.	252	2334	.	1
71	AB	71	-2342	2341	2341	.	2	995	.	228	2341	.	1
72	AB	72	-2347	2346	2346	.	1	966	.	149	2346	.	1
73	AB	73	-2351	2350	2350	.	2	996	.	228	2350	.	1
74	AB	74	-2461	2460	2460	.	1	975	.	149	2459	-1	1
75	AB	75	-2559	2558	2556	-2	2	954	.	252	2556	.	1
76	AB	76	-2564	2563	2562	-1	2	958	.	252	2562	.	1
77	AB	77	-2635	2633	2633	.	1	915	.	252	2633	.	1
78	AB	78	-2974	2968	2967	-1	3	987	.	276	2966	-1	1
79	AB	79	-2974	2968	2968	.	1	992	.	278	2968	.	1
80	AB	80	-3067	3060	3061	1	2	997	.	276	3061	.	1

Sample: SST050 CRV#81J

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD

Volume: 0.00100 ml

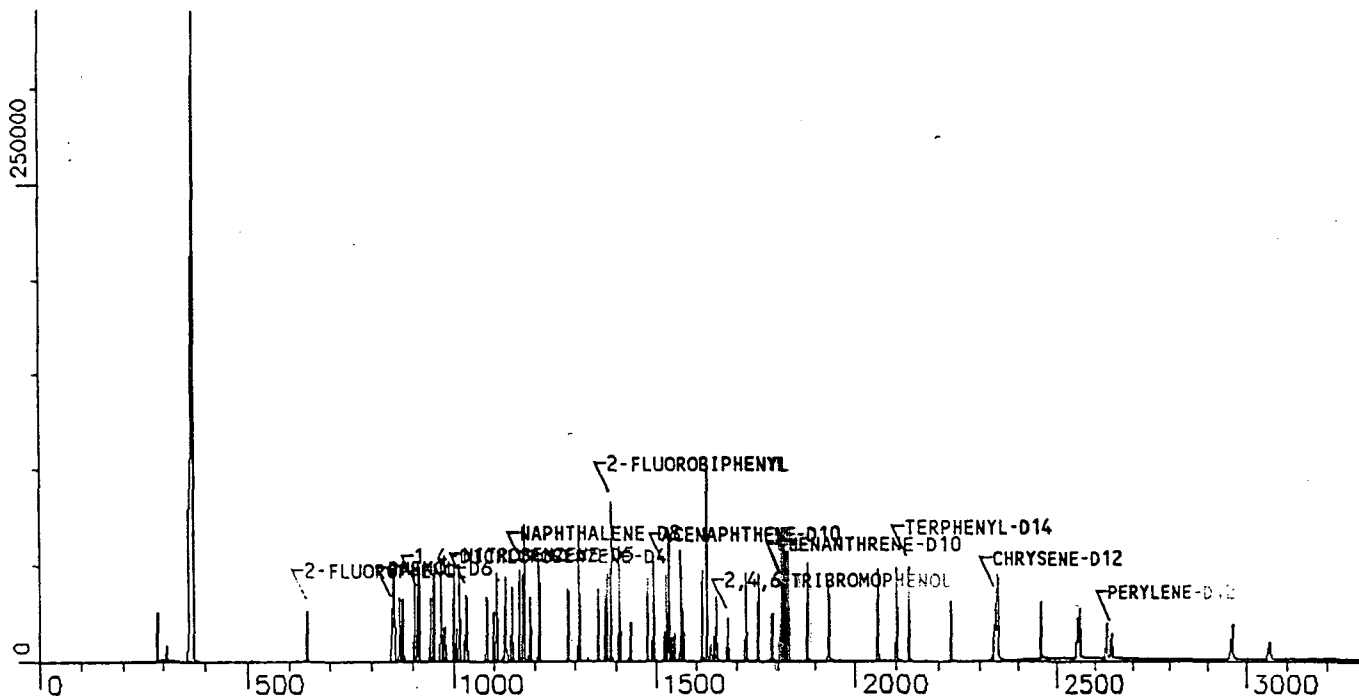
Curve: 81J

Submitted by: AQUATEC

BIJ050BS 1

08/30/90 2343

51008 -- BES



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	911	15:11	1	1.000	A 88	13123.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1170	19:30	10	1.000	A 88	49467.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1522	25:22	28	1.000	A 88	21204.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1813	30:13	44	1.000	A 88	41941.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2343	39:03	60	1.000	A 88	20507.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2644	44:04	68	1.000	A 88	16535.	40.000 NG/UL		68	PERYLENE-D12
3	112	644	10:44	1	0.707	A 88	19664.	50.000 NG/UL	50.0	3	2-FLUOROPHENOL
4	99	848	14:08	1	0.931	A 88	24739.	50.000 NG/UL	50.0	4	PHENOL-D6
19	82	1030	17:10	10	0.880	A 88	29723.	50.000 NG/UL	100.0	19	NITROBENZENE-D5
37	172	1388	23:08	28	0.912	A 88	55405.	50.000 NG/UL	100.0	37	2-FLUOROBIPHENYL
56	330	1678	27:58	28	1.102	A 88	4704.	50.000 NG/UL	50.0	56	2,4,6-TRIBROMOPHENOL
67	244	2130	35:30	60	0.909	A 8V	35488.	50.000 NG/UL	100.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:11	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:30	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:22	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:13	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:03	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	44:04	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:44	0	0.707	1.00	50.00	50.00	1.199	1.199	1.00	3	2-FLUOROPHENOL
4	14:08	0	0.931	1.00	50.00	50.00	1.508	1.508	1.00	4	PHENOL-D6
19	17:10	0	0.880	1.00	50.00	50.00	0.481	0.481	1.00	19	NITROBENZENE-D5
37	23:08	0	0.912	1.00	50.00	50.00	2.090	2.090	1.00	37	2-FLUOROBIPHENYL
56	27:58	0	1.102	1.00	50.00	50.00	0.177	0.177	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:30	0	0.909	1.00	50.00	50.00	1.384	1.384	1.00	67	TERPHENYL-D14

BIJ050BS (08/30/90 23:43) RFs loaded on 51008 8/31/90 0:52:43

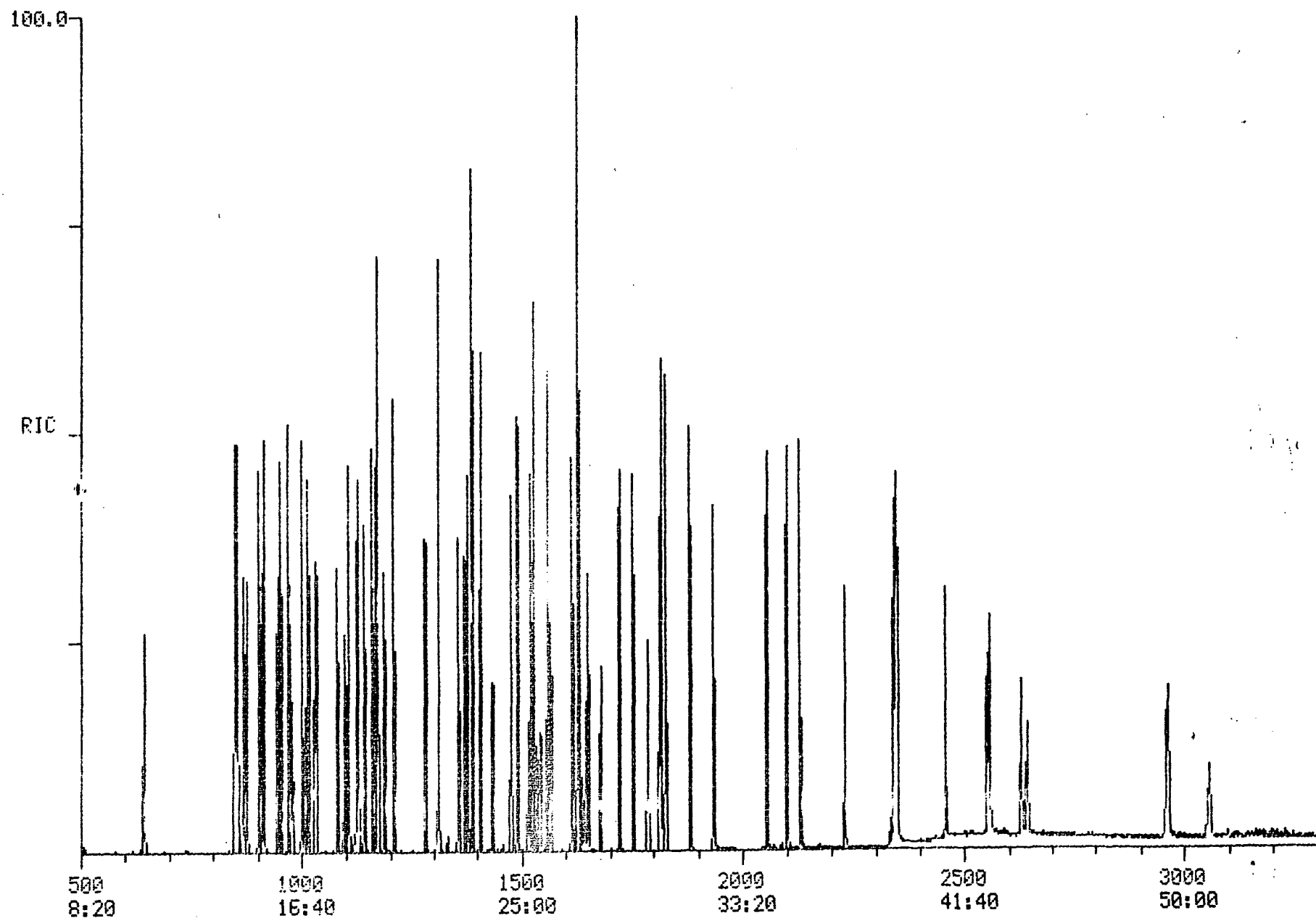
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08/30/90 23:43:00
SAMPLE: SST0050 CRU#BIJ
CONDS.: GC/MS 51008
RANGE: G 1.3300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: B1J0508S #1
C LI: B1J0508S #2

SCANS 500 TO 3300

000288

100735.



Sample: SST0050 CRV#BIJ
 Conditions: GC/MS 5100B
 Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AOUTEC
 Volume: 0.00100 ml

BIJ050BS 2
 08/30/90 2343
 5100B -- BES

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	309	5:09	1	0.339	A BB	7122.	50.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	851	14:11	1	0.934	A BB	32259.	50.000 NG/UL		5	PHENOL
6	93	854	14:14	1	0.937	A BV	63538.	50.000 NG/UL		6	ANILINE
7	93	867	14:27	1	0.952	A VB	25304.	50.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	874	14:34	1	0.959	A BB	22191.	50.000 NG/UL		8	2-CHLOROPHENOL
9	146	904	15:04	1	0.992	A BB	25655.	50.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	915	15:15	1	1.004	A BB	26382.	50.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	945	15:45	1	1.037	A BV	11913.	50.000 NG/UL		12	BENZYL ALCOHOL
13	146	953	15:53	1	1.046	A BB	25387.	50.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	971	16:11	1	1.066	A BB	22474.	50.000 NG/UL		14	2-METHYLPHENOL
15	45	978	16:18	1	1.074	A BB	19621.	50.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	1001	16:41	1	1.099	A BB	23198.	50.000 NG/UL		16	4-METHYLPHENOL
17	70	1007	16:47	1	1.105	A BB	14217.	50.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1015	16:55	1	1.114	A BB	13455.	50.000 NG/UL		18	HEXACHLOROETHANE
20	77	1034	17:14	10	0.884	A BB	25003.	50.000 NG/UL		20	NITROBENZENE
21	82	1081	18:01	10	0.924	A BB	46759.	50.000 NG/UL		21	ISOPHORONE
22	139	1097	18:17	10	0.938	A BB	10710.	50.000 NG/UL		22	2-NITROPHENOL
23	107	1106	18:26	10	0.945	A BB	23198.	50.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	122	1131	18:51	10	0.967	A BB	11019.	50.000 NG/UL		24	BENZOIC ACID
25	93	1127	18:47	10	0.963	A BB	30904.	50.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1143	19:03	10	0.977	A BB	18480.	50.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1162	19:22	10	0.993	A BB	20716.	50.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1174	19:34	10	1.003	A BB	68181.	50.000 NG/UL		29	NAPHTHALENE
30	127	1188	19:48	10	1.015	A BB	21521.	50.000 NG/UL		30	4-CHLOROANILINE
31	225	1210	20:10	10	1.034	A BB	13213.	50.000 NG/UL		31	HEXACHLOROBUTADIENE
32	107	1282	21:22	10	1.096	A BB	19044.	50.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1311	21:51	10	1.121	A BB	44005.	50.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1356	22:36	28	0.891	A BB	11135.	50.000 NG/UL		34	HEXACHLOROOCYCLOPENTADIENE
35	196	1371	22:51	28	0.901	A BV	10634.	50.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	196	1378	22:58	28	0.905	A VB	13458.	50.000 NG/UL		36	2,4,5-TRICHLOROPHENOL
38	162	1408	23:28	28	0.925	A BB	38723.	50.000 NG/UL		38	2-CHLORONAPHTHALENE
39	65	1434	23:54	28	0.942	A BB	8842.	50.000 NG/UL		39	2-NITROANILINE
40	163	1476	24:36	28	0.970	A BB	40900.	50.000 NG/UL		40	DIMETHYLPHthalate
41	152	1491	24:51	28	0.980	A BB	57284.	50.000 NG/UL		41	ACENAPHTHYLENE
42	165	1489	24:49	28	0.978	A BB	8587.	50.000 NG/UL		42	2,6-DINITROTOLUENE
43	138	1515	25:15	28	0.995	A BB	7005.	50.000 NG/UL		43	3-NITROANILINE
45	153	1528	25:28	28	1.004	A BB	40835.	50.000 NG/UL		45	ACENAPHTHENE
46	184	1535	25:35	28	1.009	A BB	3881.	50.000 NG/UL		46	2,4-DINITROPHENOL
47	109	1544	25:44	28	1.014	A BB	6948.	50.000 NG/UL		47	4-NITROPHENOL
48	168	1559	25:59	28	1.024	A BB	55581.	50.000 NG/UL		48	DIBENZOFURAN
49	165	1566	26:06	28	1.029	A BB	11939.	50.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1615	26:55	28	1.061	A BV	45980.	50.000 NG/UL		50	DIETHYLPHthalate
51	204	1627	27:07	28	1.069	A BB	19253.	50.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETER
52	166	1628	27:08	28	1.070	A BB	41940.	50.000 NG/UL		52	FLUORENE
53	138	1636	27:16	28	1.075	A BV	5354.	50.000 NG/UL		53	4-NITROANILINE
54	198	1646	27:26	44	0.908	A BB	5301.	50.000 NG/UL		54	4,6-DINITRO-2-METHYLPHENOL
55	169	1651	27:31	44	0.911	A BB	20367.	50.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1722	28:42	44	0.950	A BB	10198.	50.000 NG/UL		57	4-BROMOPHENYL-PHENYLETER
58	284	1753	29:13	44	0.967	A BB	11070.	50.000 NG/UL		58	HEXACHLOROBENZENE
59	266	1786	29:46	44	0.985	A BB	5803.	50.000 NG/UL		59	PENTACHLOROPHENOL
61	178	1818	30:18	44	1.003	A BV	52935.	50.000 NG/UL		61	PHENANTHRENE
62	178	1827	30:27	44	1.008	A VB	52616.	50.000 NG/UL		62	ANTHRACENE
63	149	1934	32:14	44	1.067	A BV	60624.	50.000 NG/UL		63	DI-N-BUTYLPHthalate
64	202	2056	34:16	44	1.134	A BV	49003.	50.000 NG/UL		64	FLUORANTHENE
65	184	2130	35:30	60	0.909	A BB	706.	50.000 NG/UL		65	BENZOTONE 15
66	202	2101	35:01	60	0.897	A BV	49319.	50.000 NG/UL		66	PYRENE
69	149	2231	37:11	60	0.952	A BB	19554.	50.000 NG/UL		69	BUTYLBENZYLPHthalate
70	252	2333	38:53	60	0.996	A BB	1838.	50.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2339	38:59	60	0.998	A BV	35055.	50.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2345	39:05	60	1.001	A BV	28074.	50.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHthalate
73	228	2348	39:08	60	1.002	A VB	38958.	50.000 NG/UL		73	CHRYSENE
74	149	2458	40:58	68	0.930	A BV	42506.	50.000 NG/UL		74	DI-N-OCTYLPHthalate
75	252	2554	42:34	68	0.966	A BV	30275.	50.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2560	42:40	68	0.968	A VB	29687.	50.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2631	43:51	68	0.995	A BV	26514.	50.000 NG/UL		77	BENZO(A)PYRENE
78	276	2963	49:23	68	1.121	A BB	25439.	50.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2965	49:25	68	1.121	A BB	21000.	50.000 NG/UL		79	DIBENZ(A,H)ANTHRACENE
80	276	3058	50:58	68	1.157	A BV	20479.	50.000 NG/UL		80	BENZO(G,H,I)PERYLENE

BIJ050BS 3

08/30/90 2343

51008 -- BES

Sample: SST050 CRV#BIJ

Conditions: GC/MS 51008

Method: 625 Matrix: STANDARD

Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:09	0	0.339	1.00	50.00	50.00	0.434	0.434	1.00	2	N-NITROSODIMETHYLAMINE
5	14:11	0	0.934	1.00	50.00	50.00	1.967	1.967	1.00	5	PHENOL
6	14:14	0	0.937	1.00	50.00	50.00	3.873	3.873	1.00	6	ANILINE
7	14:27	0	0.952	1.00	50.00	50.00	1.543	1.543	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:34	0	0.959	1.00	50.00	50.00	1.353	1.353	1.00	8	2-CHLOROPHENOL
9	15:04	0	0.992	1.00	50.00	50.00	1.564	1.564	1.00	9	1,3-DICHLOROBENZENE
11	15:15	0	1.004	1.00	50.00	50.00	1.608	1.608	1.00	11	1,4-DICHLOROBENZENE
12	15:45	0	1.037	1.00	50.00	50.00	0.726	0.726	1.00	12	BENZYL ALCOHOL
13	15:53	0	1.046	1.00	50.00	50.00	1.548	1.548	1.00	13	1,2-DICHLOROBENZENE
14	16:11	0	1.066	1.00	50.00	50.00	1.370	1.370	1.00	14	2-METHYLPHENOL
15	16:18	0	1.074	1.00	50.00	50.00	1.196	1.196	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:41	0	1.099	1.00	50.00	50.00	1.414	1.414	1.00	16	4-METHYLPHENOL
17	16:47	0	1.105	1.00	50.00	50.00	0.867	0.867	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:55	0	1.114	1.00	50.00	50.00	0.820	0.820	1.00	18	HEXACHLOROETHANE
20	17:14	0	0.884	1.00	50.00	50.00	0.404	0.404	1.00	20	NITROBENZENE
21	18:01	0	0.924	1.00	50.00	50.00	0.756	0.756	1.00	21	ISOPHORONE
22	18:17	0	0.938	1.00	50.00	50.00	0.173	0.173	1.00	22	2-NITROPHENOL
23	18:26	0	0.945	1.00	50.00	50.00	0.375	0.375	1.00	23	2,4-DIMETHYLPHENOL
24	18:51	0	0.967	1.00	50.00	50.00	0.178	0.178	1.00	24	BENZOIC ACID
25	18:47	0	0.963	1.00	50.00	50.00	0.500	0.500	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:03	0	0.977	1.00	50.00	50.00	0.299	0.299	1.00	26	2,4-DICHLOROPHENOL
27	19:22	0	0.993	1.00	50.00	50.00	0.335	0.335	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:34	0	1.003	1.00	50.00	50.00	1.103	1.103	1.00	29	NAPHTHALENE
30	19:48	0	1.015	1.00	50.00	50.00	0.348	0.348	1.00	30	4-CHLOROANILINE
31	20:10	0	1.034	1.00	50.00	50.00	0.214	0.214	1.00	31	HEXACHLOROBUTADIENE
32	21:22	0	1.096	1.00	50.00	50.00	0.308	0.308	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:51	0	1.121	1.00	50.00	50.00	0.712	0.712	1.00	33	2-METHYLNAPHTHALENE
34	22:36	0	0.891	1.00	50.00	50.00	0.420	0.420	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:51	0	0.901	1.00	50.00	50.00	0.401	0.401	1.00	35	2,4,6-TRICHLOROPHENOL
36	22:58	0	0.905	1.00	50.00	50.00	0.508	0.508	1.00	36	2,4,5-TRICHLOROPHENOL
38	23:28	0	0.925	1.00	50.00	50.00	1.461	1.461	1.00	38	2-CHLORONAPHTHALENE
39	23:54	0	0.942	1.00	50.00	50.00	0.334	0.334	1.00	39	2-NITROANILINE
40	24:36	0	0.970	1.00	50.00	50.00	1.543	1.543	1.00	40	0IMETHYLPHTHALATE
41	24:51	0	0.980	1.00	50.00	50.00	2.161	2.161	1.00	41	ACENAPHTHYLENE
42	24:49	0	0.978	1.00	50.00	50.00	0.324	0.324	1.00	42	2,6-DINITROTOLUENE
43	25:15	0	0.995	1.00	50.00	50.00	0.264	0.264	1.00	43	3-NITROANILINE
45	25:28	0	1.004	1.00	50.00	50.00	1.541	1.541	1.00	45	ACENAPHTHENE
46	25:35	0	1.009	1.00	50.00	50.00	0.146	0.146	1.00	46	2,4-DINITROPHENOL
47	25:44	0	1.014	1.00	50.00	50.00	0.262	0.262	1.00	47	4-NITROPHENOL
48	25:59	0	1.024	1.00	50.00	50.00	2.097	2.097	1.00	48	DIBENZOFURAN
49	26:06	0	1.029	1.00	50.00	50.00	0.450	0.450	1.00	49	2,4-DINITROTOLUENE
50	26:55	0	1.061	1.00	50.00	50.00	1.735	1.735	1.00	50	DIETHYLPHTHALATE
51	27:07	0	1.069	1.00	50.00	50.00	0.726	0.726	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:08	0	1.070	1.00	50.00	50.00	1.582	1.582	1.00	52	FLUORENE
53	27:16	0	1.075	1.00	50.00	50.00	0.202	0.202	1.00	53	4-NITROANILINE
54	27:26	0	0.908	1.00	50.00	50.00	0.101	0.101	1.00	54	4,6-DINITRO-2-METHYLPHENOL
55	27:31	0	0.911	1.00	50.00	50.00	0.388	0.388	1.00	55	N-NITROSODIPHENYLAMINE (1)
57	28:42	0	0.950	1.00	50.00	50.00	0.195	0.195	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:13	0	0.967	1.00	50.00	50.00	0.211	0.211	1.00	58	HEXACHLOROBENZENE
59	29:46	0	0.985	1.00	50.00	50.00	0.111	0.111	1.00	59	PENTACHLOROPHENOL
61	30:18	0	1.003	1.00	50.00	50.00	1.010	1.010	1.00	61	PHENANTHRENE
62	30:27	0	1.008	1.00	50.00	50.00	1.004	1.004	1.00	62	ANTHRACENE
63	32:14	0	1.067	1.00	50.00	50.00	1.156	1.156	1.00	63	DI-N-BUTYLPHTHALATE
64	34:16	0	1.134	1.00	50.00	50.00	0.935	0.935	1.00	64	FLUORANTHENE
65	35:30	0	0.989	1.00	50.00	50.00	0.021	0.021	1.00	65	BENZOTRINE
66	35:01	0	0.897	1.00	50.00	50.00	1.924	1.924	1.00	66	PYRENE
69	37:11	0	0.952	1.00	50.00	50.00	0.763	0.763	1.00	69	BUTYLBENZYLPHTHALATE
70	38:53	0	0.996	1.00	50.00	50.00	0.072	0.072	1.00	70	3,3'-DICHLOROBENZIOINE
71	38:59	0	0.998	1.00	50.00	50.00	1.368	1.368	1.00	71	BENZO(A)ANTHRACENE
72	39:05	0	1.001	1.00	50.00	50.00	1.095	1.095	1.00	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:08	0	1.002	1.00	50.00	50.00	1.520	1.520	1.00	73	CHRYSENE
74	40:58	0	0.930	1.00	50.00	50.00	2.057	2.057	1.00	74	DI-N-OCTYLPHTHALATE
75	42:34	0	0.966	1.00	50.00	50.00	1.465	1.465	1.00	75	BENZO(B)FLUORANTHENE
76	42:40	0	0.968	1.00	50.00	50.00	1.436	1.436	1.00	76	BENZO(K)FLUORANTHENE
77	43:51	0	0.995	1.00	50.00	50.00	1.283	1.283	1.00	77	BENZO(A)PYRENE
78	49:23	0	1.121	1.00	50.00	50.00	1.231	1.231	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:25	0	1.121	1.00	50.00	50.00	1.016	1.016	1.00	79	DIBENZ(A,H)ANTHRACENE
80	50:58	0	1.157	1.00	50.00	50.00	0.991	0.991	1.00	80	BENZO(G,H,I)PERYLENE

000290

PROCEDURE: TCA
DATA FILE: BIJ050BS
REFERENCE: JTAB11
NAME LIST: AB
REPORT: ABRET1

DIAGNOSTIC REPORT

8/31/90 0:34:22

BIJ160BS (08/30/90 18:51) Calib. loaded on 5100B 8/30/90 20:48:35

< ---- STANDARDS ---- >				>X< --- PLUS UNKNOWN --- >				>X< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	9	2	167	ABRET1/ABUNK1	
2	2	1	0	11	11	1	212	ABRET2/ABUNK2	
2	2	1	0	10	10	1	438	ABRET2/ABUNK3	
2	2	1	0	10	10	8	71	ABRET3/ABUNK4	
2	2	1	0	9	9	3	71	ABRET3/ABUNK5	
2	2	1	0	9	9	1	132	ABRET4/ABUNK6	
2	2	1	0	10	10	1	132	ABRET4/ABUNK7	
2	2	1	0	9	9	4	55	ABRET5/ABUNK8	
2	2	1	0	11	11	16	117	ABRET6/ABUNK9	
1	1	1	0	4	4	1	207	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 80 FOUND

< COMPOUND >			SEARCH					>X< SAT >		>X< CHRO >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-912	911	911	.	1	989	.	152	911	.	1
2	AB	2	-315	309	309	.	2	966	.	42	309	.	1
3	AB	3	-648	643	644	1	1	987	.	112	644	.	1
4	AB	4	-854	851	848	-3	1	970	.	99	848	.	1
5	AB	5	-856	853	851	-2	1	982	.	94	851	.	1
6	AB	6	-858	855	854	-1	1	991	.	93	854	.	1
7	AB	7	-871	868	867	-1	1	989	.	93	867	.	1
8	AB	8	-877	874	874	.	1	995	.	128	874	.	1
9	AB	9	-905	902	904	2	1	998	.	146	904	.	1
10	AB	10	-1171	1170	1170	.	1	983	.	136	1170	.	1
11	AB	11	-916	913	915	2	1	995	.	146	915	.	1
12	AB	12	-950	947	945	-2	1	984	.	108	945	.	1
13	AB	13	-954	951	953	2	1	998	.	146	953	.	1
14	AB	14	-974	971	971	.	1	985	.	108	971	.	1
15	AB	15	-980	977	978	1	1	993	.	45	978	.	1
16	AB	16	-1005	1002	1001	-1	1	988	.	108	1001	.	1
17	AB	17	-1014	1011	1007	-4	1	988	.	70	1007	.	1
18	AB	18	-1016	1013	1015	2	1	987	.	117	1015	.	1
19	AB	19	-1033	1030	1030	.	1	999	.	82	1030	.	1
20	AB	20	-1037	1034	1034	.	1	1000	.	77	1034	.	1
21	AB	21	-1085	1082	1081	-1	1	995	.	82	1081	.	1
22	AB	22	-1099	1096	1098	2	1	973	.	139	1097	-1	1
23	AB	23	-1109	1105	1106	1	1	994	.	107	1106	.	1
24	AB	24	-1146	1142	1131	-11	1	997	.	122	1131	.	1
25	AB	25	-1129	1125	1127	2	1	995	.	93	1127	.	1
26	AB	26	-1146	1142	1143	1	1	988	.	162	1143	.	1
27	AB	27	-1163	1159	1162	3	1	990	.	180	1162	.	1
28	AB	28	-1523	1522	1522	.	1	994	.	164	1522	.	1
29	AB	29	-1176	1174	1174	.	1	995	.	128	1174	.	1
30	AB	30	-1190	1188	1188	.	1	974	.	127	1188	.	1
31	AB	31	-1211	1209	1210	1	2	1000	.	225	1210	.	1
32	AB	32	-1285	1283	1282	-1	1	991	.	107	1282	.	1
33	AB	33	-1313	1311	1311	.	1	983	.	142	1311	.	1
34	AB	34	-1357	1355	1356	1	1	996	.	237	1356	.	1
35	AB	35	-1373	1371	1371	.	2	998	.	196	1371	.	1
36	AB	36	-1380	1378	1378	.	2	994	.	196	1378	.	1
37	AB	37	-1380	1388	1388	.	1	994	.	172	1388	.	1

000291

37	AB	37	-1438	1434	1434	.	1	788	.	83	1434	.	1
40	AB	40	-1479	1477	1476	-1	1	995	.	163	1476	.	1
41	AB	41	-1493	1491	1491	.	1	995	.	152	1491	.	1
42	AB	42	-1492	1490	1489	-1	1	978	.	165	1489	.	1
43	AB	43	-1519	1517	1516	-1	1	971	.	138	1515	-1	1
44	AB	44	-1815	1813	1813	.	1	981	.	188	1813	.	1
45	AB	45	-1530	1527	1528	1	1	998	.	153	1528	.	1
46	AB	46	-1539	1536	1535	-1	1	990	.	184	1535	.	1
47	AB	47	-1549	1546	1544	-2	1	968	.	109	1544	.	1
48	AB	48	-1562	1559	1559	.	1	973	.	168	1559	.	1
49	AB	49	-1570	1567	1566	-1	1	978	.	165	1566	.	1
50	AB	50	-1618	1615	1615	.	1	994	.	149	1615	.	1
51	AB	51	-1629	1626	1627	1	1	954	.	204	1627	.	1
52	AB	52	-1630	1628	1628	.	1	996	.	166	1628	.	1
53	AB	53	-1642	1640	1637	-3	1	948	.	138	1636	-1	1
54	AB	54	-1650	1648	1646	-2	1	988	.	198	1646	.	1
55	AB	55	-1653	1651	1651	.	1	995	.	169	1651	.	1
56	AB	56	-1680	1678	1678	.	1	992	.	330	1678	.	1
57	AB	57	-1724	1722	1723	1	1	983	.	248	1722	-1	1
58	AB	58	-1755	1753	1753	.	1	989	.	284	1753	.	1
59	AB	59	-1788	1786	1786	.	1	998	.	266	1786	.	1
60	AB	60	-2345	2343	2343	.	1	950	.	240	2343	.	1
61	AB	61	-1821	1818	1818	.	2	998	.	178	1818	.	1
62	AB	62	-1830	1827	1827	.	2	998	.	178	1827	.	1
63	AB	63	-1936	1933	1934	1	1	984	.	149	1934	.	1
64	AB	64	-2059	2056	2056	.	1	996	.	202	2056	.	1
65	AB	65	-2133	2131	2130	-1	1	870	.	184	2130	.	1
66	AB	66	-2104	2101	2101	.	1	975	.	202	2101	.	1
67	AB	67	-2132	2130	2130	.	1	997	.	244	2130	.	1
68	AB	68	-2645	2644	2644	.	1	965	.	264	2644	.	1
69	AB	69	-2233	2231	2231	.	1	988	.	149	2231	.	1
70	AB	70	-2335	2333	2333	.	1	995	.	252	2333	.	1
71	AB	71	-2342	2340	2339	-1	2	993	.	228	2339	.	1
72	AB	72	-2347	2345	2345	.	1	959	.	149	2345	.	1
73	AB	73	-2351	2349	2348	-1	2	997	.	228	2348	.	1
74	AB	74	-2461	2458	2459	1	1	973	.	149	2458	-1	1
75	AB	75	-2559	2556	2554	-2	2	954	.	252	2554	.	1
76	AB	76	-2564	2561	2560	-1	2	959	.	252	2560	.	1
77	AB	77	-2635	2632	2631	-1	1	910	.	252	2631	.	1
78	AB	78	-2974	2965	2963	-2	1	991	.	276	2963	.	1
79	AB	79	-2974	2965	2965	.	1	992	.	278	2965	.	1
80	AB	80	-3067	3056	3058	2	1	995	.	276	3058	.	1

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: 5100B

Calibration Date: 09/04/90

Time: 1045

Lab File ID: BIJ050DBS

Init. Calib. Date(s): 08/30/90

08/30/90

Min RRF50 for SPCC(#) = 0.050

Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	*1.997	1.715	14.1 *
bis(2-Chloroethyl) ether	1.553	1.354	12.8
2-Chlorophenol	1.403	1.335	4.8
1,3-Dichlorobenzene	1.559	1.509	3.2
1,4-Dichlorobenzene	*1.604	1.542	3.9 *
Benzyl alcohol	.750	.610	18.7
1,2-Dichlorobenzene	1.530	1.462	4.4
2-Methylphenol	1.350	1.309	3.1
bis(2-Chloroisopropyl) ether	1.190	1.006	15.5
4-Methylphenol	1.394	1.355	2.8
N-Nitroso-di-n-propylamine	# .894	.752	15.8 #
Hexachloroethane	.800	.797	.4
Nitrobenzene	.413	.374	9.5
Isophorone	.777	.701	9.8
2-Nitrophenol	* .183	.168	8.2 *
2,4-Dimethylphenol	.391	.369	5.6
Benzoic acid	.200	.177	11.7
bis(2-Chloroethoxy) methane	.508	.423	16.9
2,4-Dichlorophenol	* .311	.319	2.5 *
1,2,4-Trichlorobenzene	.332	.338	2.1
Naphthalene	1.085	1.051	3.1
4-Chloroaniline	.355	.323	9.1
Hexachlorobutadiene	* .208	.234	12.5 *
4-Chloro-3-methylphenol	* .321	.324	1.1 *
2-Methylnaphthalene	.709	.693	2.4
Hexachlorocyclopentadiene	# .426	.385	9.5 #
2,4,6-Trichlorophenol	* .419	.451	7.5 *
2,4,5-Trichlorophenol	.506	.547	8.2
2-Chloronaphthalene	1.437	1.392	3.1
2-Nitroaniline	.360	.278	22.7
Dimethylphthalate	1.579	1.538	2.5
Acenaphthylene	2.119	2.043	3.6
2,6-Dinitrotoluene	.323	.322	.3
3-Nitroaniline	.304	.263	13.5
Acenaphthene	*1.500	1.444	3.8 *
2,4-Dinitrophenol	# .180	.186	3.2 #
4-Nitrophenol	# .295	.304	3.1 #

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: 5100B

Calibration Date: 09/04/90

Time: 1045

Lab File ID: BIJ050DBS

Init. Calib. Date(s): 08/30/90

08/30/90

Min RRF50 for SPCC(#) = 0.050

Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	2.051	2.067	.8
2,4-Dinitrotoluene	.450	.451	.3
Diethylphthalate	1.715	1.679	2.1
4-Chlorophenyl-phenylether	.696	.751	7.9
Fluorene	1.507	1.560	3.6
4-Nitroaniline	.242	.240	.6
4,6-Dinitro-2-methylphenol	.117	.105	9.8
N-Nitrosodiphenylamine (1)	*.394	.342	13.3 *
4-Bromophenyl-phenylether	.197	.181	8.5
Hexachlorobenzene	.218	.218	.2
Pentachlorophenol	*.123	.126	2.4 *
Phenanthrene	1.004	.940	6.4
Anthracene	1.015	.950	6.4
Di-n-butylphthalate	1.204	1.063	11.6
Fluoranthene	*.969	1.034	6.7 *
Pyrene	1.959	1.658	15.4
Butylbenzylphthalate	.829	.693	16.3
3,3'-Dichlorobenzidine	.087	.154	76.1
Benzo(a)anthracene	1.403	1.385	1.3
Chrysene	1.563	1.454	7.0
bis(2-Ethylhexyl)phthalate	1.164	.967	16.9
Di-n-octylphthalate	*2.255	1.803	20.1 *
Benzo(b)fluoranthene	1.523	1.408	7.6
Benzo(k)fluoranthene	1.482	1.320	10.9
Benzo(a)pyrene	*1.327	1.243	6.4 *
Indeno(1,2,3-cd)pyrene	1.293	1.233	4.6
Dibenz(a,h)anthracene	1.051	.974	7.4
Benzo(g,h,i)perylene	1.056	1.003	5.1
Nitrobenzene-d5	.495	.484	2.1
2-Fluorobiphenyl	2.043	2.175	6.4
Terphenyl-d14	1.434	1.395	2.7
Phenol-d6	1.575	1.365	13.3
2-Fluorophenol	1.221	1.063	12.9
2,4,6-Tribromophenol	.184	.231	25.6

(1) Cannot be separated from Diphenylamine

BIJ050DBS 1

09/04/90 1045

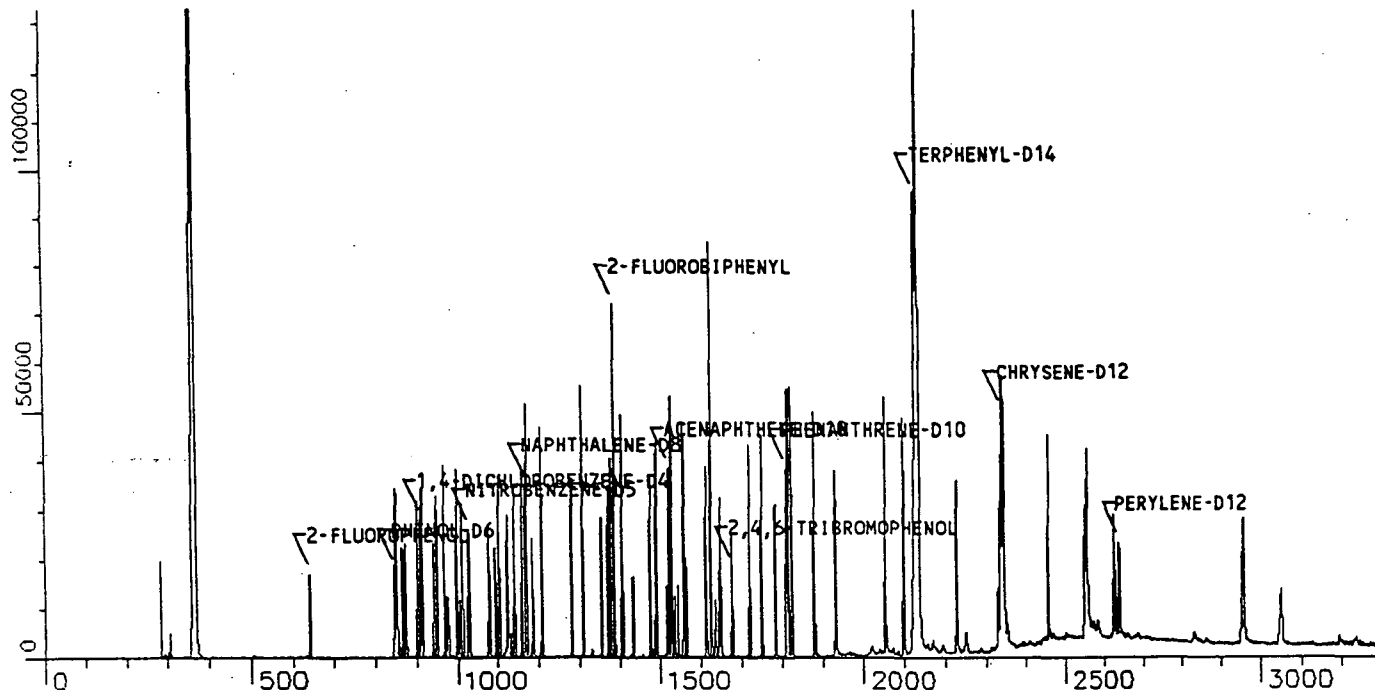
5100B -- JCV

Sample: SST0050 CRV#BIJ-D

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	908	15:08	1	1.000	A BB	9917.	40.000 NG/UL		1	1,4-DICHLOROBENZENE-D4
10	136	1167	19:27	10	1.000	A BB	39106.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1519	25:19	28	1.000	A BB	18070.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1810	30:10	44	1.000	A BB	43222.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2340	39:00	60	1.000	A BV	26314.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2639	43:59	68	1.000	A BB	24054.	40.000 NG/UL		68	PERYLENE-D12
3	112	641	10:41	1	0.706	A BB	13177.	50.000 NG/UL	50.0	3	2-FLUOROPHENOL
4	99	845	14:05	1	0.931	A BB	16922.	50.000 NG/UL	50.0	4	PHENOL-D6
19	82	1027	17:07	10	0.880	A BB	23673.	50.000 NG/UL	100.0	19	NITROBENZENE-D5
37	172	1385	23:05	28	0.912	A BB	49132.	50.000 NG/UL	100.0	37	2-FLUOROBIPHENYL
56	330	1675	27:55	28	1.103	A BB	5216.	50.000 NG/UL	50.0	56	2,4,6-TRIBROMOPHENOL
67	244	2127	35:27	60	0.909	A BV	45877.	50.000 NG/UL	100.0	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:08	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLOROBENZENE-D4
10	19:27	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:19	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:10	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:00	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	43:59	0	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:41	0	0.706	1.00	50.00	50.00	1.063	1.063	1.00	3	2-FLUOROPHENOL
4	14:05	0	0.931	1.00	50.00	50.00	1.365	1.365	1.00	4	PHENOL-D6
19	17:07	0	0.880	1.00	50.00	50.00	0.484	0.484	1.00	19	NITROBENZENE-D5
37	23:05	0	0.912	1.00	50.00	50.00	2.175	2.175	1.00	37	2-FLUOROBIPHENYL
56	27:55	0	1.103	1.00	50.00	50.00	0.231	0.231	1.00	56	2,4,6-TRIBROMOPHENOL
67	35:27	0	0.909	1.00	50.00	50.00	1.395	1.395	1.00	67	TERPHENYL-D14

BIJ050DBS (09/04/90 10:45) RFs loaded on 5100B 9/04/90 11:50:55

Sample: SST0050 CRV#BIJ-D

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

09/04/90 1045

5100B -- JCV

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
2	42	306	5:06	1	0.337	A BB	4827.	50.000 NG/UL		2	N-NITROSODIMETHYLAMINE
5	94	848	14:08	1	0.934	A BB	21257.	50.000 NG/UL		5	PHENOL
6	93	850	14:10	1	0.936	A BV	38430.	50.000 NG/UL		6	ANILINE
7	93	864	14:24	1	0.952	A VB	16790.	50.000 NG/UL		7	BIS(2-CHLOROETHYL)ETHER
8	128	871	14:31	1	0.959	A BB	16549.	50.000 NG/UL		8	2-CHLOROPHENOL
9	146	900	15:00	1	0.991	A BB	18705.	50.000 NG/UL		9	1,3-DICHLOROBENZENE
11	146	912	15:12	1	1.004	A BB	19109.	50.000 NG/UL		11	1,4-DICHLOROBENZENE
12	108	942	15:42	1	1.037	A BV	7559.	50.000 NG/UL		12	BENZYL ALCOHOL
13	146	949	15:49	1	1.045	A BB	18129.	50.000 NG/UL		13	1,2-DICHLOROBENZENE
14	108	968	16:08	1	1.066	A BB	16223.	50.000 NG/UL		14	2-METHYLPHENOL
15	45	975	16:15	1	1.074	A BB	12466.	50.000 NG/UL		15	BIS(2-CHLOROISOPROPYL)ETHER
16	108	998	16:38	1	1.099	A BB	16802.	50.000 NG/UL		16	4-METHYLPHENOL
17	70	1004	16:44	1	1.106	A BV	9324.	50.000 NG/UL		17	N-NITROSO-DI-N-PROPYLAMINE
18	117	1012	16:52	1	1.115	A BB	9886.	50.000 NG/UL		18	HEXACHLOROETHANE
20	77	1030	17:10	10	0.883	A BB	18270.	50.000 NG/UL		20	NITROBENZENE
21	82	1078	17:58	10	0.924	A BB	34285.	50.000 NG/UL		21	ISOPHORONE
22	139	1094	18:14	10	0.937	A BB	8226.	50.000 NG/UL		22	2-NITROPHENOL
23	107	1103	18:23	10	0.945	A BB	18031.	50.000 NG/UL		23	2,4-DIMETHYLPHENOL
24	122	1129	18:49	10	0.967	A VB	8652.	50.000 NG/UL		24	BENZOIC ACID
25	93	1124	18:44	10	0.963	A BB	20655.	50.000 NG/UL		25	BIS(2-CHLOROETHOXY)METHANE
26	162	1140	19:00	10	0.977	A BB	15574.	50.000 NG/UL		26	2,4-DICHLOROPHENOL
27	180	1158	19:18	10	0.992	A BB	16545.	50.000 NG/UL		27	1,2,4-TRICHLOROBENZENE
29	128	1171	19:31	10	1.003	A BB	51370.	50.000 NG/UL		29	NAPHTHALENE
30	127	1185	19:45	10	1.015	A BB	15775.	50.000 NG/UL		30	4-CHLOROANILINE
31	225	1207	20:07	10	1.034	A BB	11441.	50.000 NG/UL		31	HEXACHLOROBUTADIENE
32	107	1280	21:20	10	1.097	A BB	15861.	50.000 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	142	1308	21:48	10	1.121	A BB	33861.	50.000 NG/UL		33	2-METHYLNAPHTHALENE
34	237	1353	22:33	28	0.891	A BB	8707.	50.000 NG/UL		34	HEXACHLOROCYCLOPENTADIENE
35	196	1369	22:49	28	0.901	A BV	10186.	50.000 NG/UL		35	2,4,6-TRICHLOROPHENOL
36	196	1376	22:56	28	0.906	A VB	12361.	50.000 NG/UL		36	2,4,5-TRICHLOROPHENOL
38	162	1405	23:25	28	0.925	A BB	31453.	50.000 NG/UL		38	2-CHLORONAPHTHALENE
39	65	1431	23:51	28	0.942	A BB	6275.	50.000 NG/UL		39	2-NITROANILINE
40	163	1473	24:33	28	0.970	A BB	34750.	50.000 NG/UL		40	DIMETHYLPHTHALATE
41	152	1489	24:49	28	0.980	A BB	46143.	50.000 NG/UL		41	ACENAPHTHYLENE
42	165	1486	24:46	28	0.978	A BB	7276.	50.000 NG/UL		42	2,6-DINITROTOLUENE
43	138	1513	25:13	28	0.996	A BB	5942.	50.000 NG/UL		43	3-NITROANILINE
45	153	1525	25:25	28	1.004	A BB	32607.	50.000 NG/UL		45	ACENAPHTHENE
46	184	1533	25:33	28	1.009	A BB	4200.	50.000 NG/UL		46	2,4-DINITROPHENOL
47	109	1543	25:43	28	1.016	A BB	6872.	50.000 NG/UL		47	4-NITROPHENOL
48	168	1556	25:56	28	1.024	A BB	46690.	50.000 NG/UL		48	DIBENZOFURAN
49	165	1563	26:03	28	1.029	A BB	10194.	50.000 NG/UL		49	2,4-DINITROTOLUENE
50	149	1612	26:52	28	1.061	A BV	37930.	50.000 NG/UL		50	DIETHYLPHTHALATE
51	204	1624	27:04	28	1.069	A BB	16974.	50.000 NG/UL		51	4-CHLOROPHENYL-PHENYLETHER
52	166	1625	27:05	28	1.070	A BB	35245.	50.000 NG/UL		52	FLUORENE
53	138	1634	27:14	28	1.076	A BB	5431.	50.000 NG/UL		53	4-NITROANILINE
54	198	1643	27:23	44	0.908	A BB	5695.	50.000 NG/UL		54	4,6-DINITRO-2-METHYLPHENOL
55	169	1648	27:28	44	0.910	A BB	18471.	50.000 NG/UL		55	N-NITROSODIPHENYLAMINE (1)
57	248	1720	28:40	44	0.950	A BB	9758.	50.000 NG/UL		57	4-BROMOPHENYL-PHENYLETHER
58	284	1750	29:10	44	0.967	A BB	11788.	50.000 NG/UL		58	HEXACHLOROBENZENE
59	266	1784	29:44	44	0.986	A BB	6833.	50.000 NG/UL		59	PENTACHLOROPHENOL
61	178	1815	30:15	44	1.003	A BV	50773.	50.000 NG/UL		61	PHENANTHRENE
62	178	1824	30:24	44	1.008	A BB	51320.	50.000 NG/UL		62	ANTHRACENE
63	149	1931	32:11	44	1.067	A VV	57457.	50.000 NG/UL		63	DI-N-BUTYLPHTHALATE
64	202	2053	34:13	44	1.134	A BV	55878.	50.000 NG/UL		64	FLUORANTHENE
65	184	2127	35:27	60	0.909	A BB	1137.	50.000 NG/UL		65	~~BENZIDINE~~ <i>NY</i>
66	202	2098	34:58	60	0.897	A BV	54526.	50.000 NG/UL		66	PYRENE
69	149	2227	37:07	60	0.952	A BV	22803.	50.000 NG/UL		69	BUTYLBENZYLPHTHALATE
70	252	2329	38:49	60	0.995	A BB	5051.	50.000 NG/UL		70	3,3'-DICHLOROBENZIDINE
71	228	2336	38:56	60	0.998	A BV	45549.	50.000 NG/UL		71	BENZO(A)ANTHRACENE
72	149	2342	39:02	60	1.001	A VB	31800.	50.000 NG/UL		72	BIS(2-ETHYLHEXYL)PHTHALATE
73	228	2345	39:05	60	1.002	A VV	47826.	50.000 NG/UL		73	CHRYSENE
74	149	2455	40:55	68	0.930	A BV	54210.	50.000 NG/UL		74	DI-N-OCTYLPHTHALATE
75	252	2550	42:30	68	0.966	A BV	42326.	50.000 NG/UL		75	BENZO(B)FLUORANTHENE
76	252	2556	42:36	68	0.969	A VV	39680.	50.000 NG/UL		76	BENZO(K)FLUORANTHENE
77	252	2626	43:46	68	0.995	A BV	37360.	50.000 NG/UL		77	BENZO(A)PYRENE
78	276	2957	49:17	68	1.120	A BV	37060.	50.000 NG/UL		78	INDENO(1,2,3-CD)PYRENE
79	278	2958	49:18	68	1.121	A BV	29282.	50.000 NG/UL		79	DIBENZ(A,H)ANTHRACENE
80	276	3051	50:51	68	1.156	A BV	30155.	50.000 NG/UL		80	BENZO(G,H,I)PERYLENE

Sample: SST050 CRV#BIJ-D

Conditions: GC/MS 5100B

Method: 625 Matrix: STANDARD

Curve: BIJ Submitted by: AQUATEC

Volume: 0.00100 ml

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
2	5:06	0	0.337	1.00	50.00	50.00	0.389	0.389	1.00	2	N-NITROSODIMETHYLAMINE
5	14:08	0	0.934	1.00	50.00	50.00	1.715	1.715	1.00	5	PHENOL
6	14:10	0	0.936	1.00	50.00	50.00	3.100	3.100	1.00	6	ANILINE
7	14:24	0	0.952	1.00	50.00	50.00	1.354	1.354	1.00	7	BIS(2-CHLOROETHYL)ETHER
8	14:31	0	0.959	1.00	50.00	50.00	1.335	1.335	1.00	8	2-CHLOROPHENOL
9	15:00	0	0.991	1.00	50.00	50.00	1.509	1.509	1.00	9	1,3-DICHLOROBENZENE
11	15:12	0	1.004	1.00	50.00	50.00	1.542	1.542	1.00	11	1,4-DICHLOROBENZENE
12	15:42	0	1.037	1.00	50.00	50.00	0.610	0.610	1.00	12	BENZYL ALCOHOL
13	15:49	0	1.045	1.00	50.00	50.00	1.462	1.462	1.00	13	1,2-DICHLOROBENZENE
14	16:08	0	1.066	1.00	50.00	50.00	1.309	1.309	1.00	14	2-METHYLPHENOL
15	16:15	0	1.074	1.00	50.00	50.00	1.006	1.006	1.00	15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:38	0	1.099	1.00	50.00	50.00	1.355	1.355	1.00	16	4-METHYLPHENOL
17	16:44	0	1.106	1.00	50.00	50.00	0.752	0.752	1.00	17	N-NITROSO-DI-N-PROPYLAMINE
18	16:52	0	1.115	1.00	50.00	50.00	0.797	0.797	1.00	18	HEXACHLOROETHANE
20	17:10	0	0.883	1.00	50.00	50.00	0.374	0.374	1.00	20	NITROBENZENE
21	17:58	0	0.924	1.00	50.00	50.00	0.701	0.701	1.00	21	ISOPHORONE
22	18:14	0	0.937	1.00	50.00	50.00	0.168	0.168	1.00	22	2-NITROPHENOL
23	18:23	0	0.945	1.00	50.00	50.00	0.369	0.369	1.00	23	2,4-DIMETHYLPHENOL
24	18:49	0	0.967	1.00	50.00	50.00	0.177	0.177	1.00	24	BENZOIC ACID
25	18:44	0	0.963	1.00	50.00	50.00	0.423	0.423	1.00	25	BIS(2-CHLOROETHOXY)METHANE
26	19:00	0	0.977	1.00	50.00	50.00	0.319	0.319	1.00	26	2,4-DICHLOROPHENOL
27	19:18	0	0.992	1.00	50.00	50.00	0.338	0.338	1.00	27	1,2,4-TRICHLOROBENZENE
29	19:31	0	1.003	1.00	50.00	50.00	1.051	1.051	1.00	29	NAPHTHALENE
30	19:45	0	1.015	1.00	50.00	50.00	0.323	0.323	1.00	30	4-CHLOROANILINE
31	20:07	0	1.034	1.00	50.00	50.00	0.234	0.234	1.00	31	HEXACHLOROBUTADIENE
32	21:20	0	1.097	1.00	50.00	50.00	0.324	0.324	1.00	32	4-CHLORO-3-METHYLPHENOL
33	21:48	0	1.121	1.00	50.00	50.00	0.693	0.693	1.00	33	2-METHYLNAPHTHALENE
34	22:33	0	0.891	1.00	50.00	50.00	0.385	0.385	1.00	34	HEXACHLOROCYCLOPENTADIENE
35	22:49	0	0.901	1.00	50.00	50.00	0.451	0.451	1.00	35	2,4,6-TRICHLOROPHENOL
36	22:56	0	0.906	1.00	50.00	50.00	0.547	0.547	1.00	36	2,4,5-TRICHLOROPHENOL
38	23:25	0	0.925	1.00	50.00	50.00	1.392	1.392	1.00	38	2-CHLORONAPHTHALENE
39	23:51	0	0.942	1.00	50.00	50.00	0.278	0.278	1.00	39	2-NITROANILINE
40	24:33	0	0.970	1.00	50.00	50.00	1.538	1.538	1.00	40	DIMETHYLPHTHALATE
41	24:49	0	0.980	1.00	50.00	50.00	2.043	2.043	1.00	41	ACENAPHTHYLENE
42	24:46	0	0.978	1.00	50.00	50.00	0.322	0.322	1.00	42	2,6-DINITROTOLUENE
43	25:13	0	0.996	1.00	50.00	50.00	0.263	0.263	1.00	43	3-NITROANILINE
45	25:25	0	1.004	1.00	50.00	50.00	1.444	1.444	1.00	45	ACENAPHTHENE
46	25:33	0	1.009	1.00	50.00	50.00	0.186	0.186	1.00	46	2,4-DINITROPHENOL
47	25:43	0	1.016	1.00	50.00	50.00	0.304	0.304	1.00	47	4-NITROPHENOL
48	25:56	0	1.024	1.00	50.00	50.00	2.067	2.067	1.00	48	DIBENZOFURAN
49	26:03	0	1.029	1.00	50.00	50.00	0.451	0.451	1.00	49	2,4-DINITROTOLUENE
50	26:52	0	1.061	1.00	50.00	50.00	1.679	1.679	1.00	50	DIETHYLPHTHALATE
51	27:04	0	1.069	1.00	50.00	50.00	0.751	0.751	1.00	51	4-CHLOROPHENYL-PHENYLETHER
52	27:05	0	1.070	1.00	50.00	50.00	1.560	1.560	1.00	52	FLUORENE
53	27:14	0	1.076	1.00	50.00	50.00	0.240	0.240	1.00	53	4-NITROANILINE
54	27:23	0	0.908	1.00	50.00	50.00	0.105	0.105	1.00	54	4,6-DINITRO-2-METHYLPHENOL
55	27:28	0	0.910	1.00	50.00	50.00	0.342	0.342	1.00	55	N-NITROSODIPHENYLAMINE (1)
57	28:40	0	0.950	1.00	50.00	50.00	0.181	0.181	1.00	57	4-BROMOPHENYL-PHENYLETHER
58	29:10	0	0.967	1.00	50.00	50.00	0.218	0.218	1.00	58	HEXACHLOROBENZENE
59	29:44	0	0.986	1.00	50.00	50.00	0.126	0.126	1.00	59	PENTACHLOROPHENOL
61	30:15	0	1.003	1.00	50.00	50.00	0.940	0.940	1.00	61	PHENANTHRENE
62	30:24	0	1.008	1.00	50.00	50.00	0.950	0.950	1.00	62	ANTHRACENE
63	32:11	0	1.067	1.00	50.00	50.00	1.063	1.063	1.00	63	DI-N-BUTYLPHTHALATE
64	34:13	0	1.134	1.00	50.00	50.00	1.034	1.034	1.00	64	FLUORANTHENE
65	35:27	0	0.909	1.00	50.00	50.00	0.027	0.027	1.00	65	BENZIDINE
66	34:58	0	0.897	1.00	50.00	50.00	1.658	1.658	1.00	66	PYRENE
69	37:07	0	0.952	1.00	50.00	50.00	0.693	0.693	1.00	69	BUTYLBENZYLPHTHALATE
70	38:49	0	0.995	1.00	50.00	50.00	0.154	0.154	1.00	70	3,3'-DICHLOROBENZIDINE
71	38:56	0	0.998	1.00	50.00	50.00	1.385	1.385	1.00	71	BENZO(A)ANTHRACENE
72	39:02	0	1.001	1.00	50.00	50.00	0.967	0.967	1.00	72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:05	0	1.002	1.00	50.00	50.00	1.454	1.454	1.00	73	CHRYSENE
74	40:55	0	0.930	1.00	50.00	50.00	1.803	1.803	1.00	74	DI-N-OCTYLPHTHALATE
75	42:30	0	0.966	1.00	50.00	50.00	1.408	1.408	1.00	75	BENZO(B)FLUORANTHENE
76	42:36	0	0.969	1.00	50.00	50.00	1.320	1.320	1.00	76	BENZO(K)FLUORANTHENE
77	43:46	0	0.995	1.00	50.00	50.00	1.243	1.243	1.00	77	BENZO(A)PYRENE
78	49:17	0	1.120	1.00	50.00	50.00	1.233	1.233	1.00	78	INDENO(1,2,3-CD)PYRENE
79	49:18	0	1.121	1.00	50.00	50.00	0.974	0.974	1.00	79	DIBENZ(A,H)ANTHRACENE
80	50:51	0	1.156	1.00	50.00	50.00	1.003	1.003	1.00	80	BENZO(G,H,I)PERYLENE

PROCEDURE: TCA
 DATA FILE: BIJ050DBS
 REFERENCE: JTAB11
 NAME LIST: AB
 REPORT: ABRET1

DIAGNOSTIC REPORT

9/04/90 11:36:20

BIJ050ABS (08/31/90 1:40) Calib. loaded on 5100B 8/31/90 3:01:08

< ---- STANDARDS ----- >< --- PLUS UNKNOWN --- >< - LIST NAMES - >									
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	9	2	51	ABRET1/ABUNK1	
2	2	1	0	11	11	1	31	ABRET2/ABUNK2	
2	2	1	0	10	10	2	69	ABRET2/ABUNK3	
2	2	1	0	10	10	8	32	ABRET3/ABUNK4	
2	2	1	0	9	9	2	0	ABRET3/ABUNK5	
2	2	1	0	9	9	1	72	ABRET4/ABUNK6	
2	2	1	0	10	9	2	47	ABRET4/ABUNK7	
2	2	1	0	9	8	4	0	ABRET5/ABUNK8	
2	2	1	0	11	11	16	33	ABRET6/ABUNK9	
1	1	1	0	4	4	4	53	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 78 FOUND

< COMPOUND >< ----- SEARCH ----- >< SAT >< ----- CHRO ----- >													
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS	
1	AB	1	-910	908	908	.	1	988	152	908	.	1	
2	AB	2	-310	306	306	.	2	966	42	306	.	1	
3	AB	3	-644	641	641	.	1	986	112	641	.	1	
4	AB	4	-847	845	845	.	1	977	99	845	.	1	
5	AB	5	-850	848	848	.	1	982	94	848	.	1	
6	AB	6	-853	851	850	-1	1	990	93	850	.	1	
7	AB	7	-866	864	864	.	1	991	93	864	.	1	
8	AB	8	-874	872	871	-1	1	995	128	871	.	1	
9	AB	9	-903	901	900	-1	1	999	146	900	.	1	
10	AB	10	-1169	1167	1167	.	1	983	136	1167	.	1	
11	AB	11	-914	912	912	.	1	998	146	912	.	1	
12	AB	12	-944	942	942	.	1	988	108	942	.	1	
13	AB	13	-952	950	949	-1	1	999	146	949	.	1	
14	AB	14	-970	968	968	.	1	983	108	968	.	1	
15	AB	15	-977	975	975	.	1	991	45	975	.	1	
16	AB	16	-1000	998	998	.	1	990	108	998	.	1	
17	AB	17	-1006	1004	1004	.	1	988	70	1004	.	1	
18	AB	18	-1014	1012	1012	.	1	989	117	1012	.	1	
19	AB	19	-1029	1027	1027	.	1	995	82	1027	.	1	
20	AB	20	-1032	1030	1030	.	1	996	77	1030	.	1	
21	AB	21	-1080	1078	1078	.	2	994	82	1078	.	1	
22	AB	22	-1096	1094	1094	.	1	970	139	1094	.	1	
23	AB	23	-1105	1103	1103	.	1	994	107	1103	.	1	
24	AB	24	-1129	1127	1129	2	1	998	122	1129	.	1	
25	AB	25	-1126	1124	1124	.	1	996	93	1124	.	1	
26	AB	26	-1142	1140	1141	1	1	992	162	1140	-1	1	
27	AB	27	-1160	1158	1158	.	1	987	180	1158	.	1	
28	AB	28	-1521	1519	1519	.	1	991	164	1519	.	1	
29	AB	29	-1173	1171	1171	.	2	994	128	1171	.	1	
30	AB	30	-1187	1185	1185	.	1	936	127	1185	.	1	
31	AB	31	-1209	1207	1207	.	1	1000	225	1207	.	1	
32	AB	32	-1282	1280	1280	.	1	986	107	1280	.	1	
33	AB	33	-1310	1308	1308	.	1	943	142	1308	.	1	
34	AB	34	-1355	1353	1353	.	1	998	237	1353	.	1	
35	AB	35	-1371	1369	1369	.	2	997	196	1369	.	1	
36	AB	36	-1377	1375	1376	1	2	988	196	1376	.	1	
37	AB	37	-1387	1385	1385	.	1	995	172	1385	.	1	
38	AB	38	-1407	1405	1405	.	2	989	142	1405	.	1	

000298

37	AB	37	-1475	1473	1473	.	1	996	.	163	1473	.	1
40	AB	40	-1475	1473	1473	.	1	996	.	163	1473	.	1
41	AB	41	-1491	1489	1489	.	1	993	.	152	1489	.	1
42	AB	42	-1489	1487	1487	.	1	977	.	165	1486	-1	1
43	AB	43	-1515	1513	1513	.	1	959	.	138	1513	.	1
44	AB	44	-1813	1810	1810	.	1	973	.	188	1810	.	1
45	AB	45	-1528	1526	1525	-1	1	999	.	153	1525	.	1
46	AB	46	-1535	1533	1533	.	1	987	.	184	1533	.	1
47	AB	47	-1544	1542	1543	1	1	975	.	109	1543	.	1
48	AB	48	-1559	1557	1556	-1	1	969	.	168	1556	.	1
49	AB	49	-1566	1564	1563	-1	1	978	.	165	1563	.	1
50	AB	50	-1614	1612	1612	.	1	994	.	149	1612	.	1
51	AB	51	-1626	1624	1624	.	1	952	.	204	1624	.	1
52	AB	52	-1627	1625	1625	.	1	997	.	166	1625	.	1
53	AB	53	-1636	1634	1635	1	1	944	.	138	1634	-1	1
54	AB	54	-1645	1643	1643	.	1	981	.	198	1643	.	1
55	AB	55	-1650	1648	1648	.	2	994	.	169	1648	.	1
56	AB	56	-1678	1676	1676	.	1	977	.	330	1675	-1	1
57	AB	57	-1722	1720		.	.		.	248	1720	.	1
58	AB	58	-1752	1750	1750	.	1	991	.	284	1750	.	1
59	AB	59	-1786	1784	1784	.	1	999	.	266	1784	.	1
60	AB	60	-2343	2340	2340	.	1	948	.	240	2340	.	1
61	AB	61	-1818	1815	1815	.	2	998	.	178	1815	.	1
62	AB	62	-1827	1824	1824	.	2	998	.	178	1824	.	1
63	AB	63	-1934	1931	1931	.	1	985	.	149	1931	.	1
64	AB	64	-2056	2053	2053	.	1	992	.	202	2053	.	1
65	AB	65	-2130	2127		.	.		.	184	2127	.	1
66	AB	66	-2101	2098	2098	.	1	966	.	202	2098	.	1
67	AB	67	-2130	2127	2127	.	1	991	.	244	2127	.	1
68	AB	68	-2644	2639	2639	.	1	953	.	264	2639	.	1
69	AB	69	-2231	2228	2228	.	1	986	.	149	2227	-1	1
70	AB	70	-2332	2329	2329	.	1	996	.	252	2329	.	1
71	AB	71	-2339	2336	2336	.	2	992	.	228	2336	.	1
72	AB	72	-2345	2342	2342	.	1	974	.	149	2342	.	1
73	AB	73	-2348	2345	2345	.	2	997	.	228	2345	.	1
74	AB	74	-2458	2454	2455	1	1	964	.	149	2455	.	1
75	AB	75	-2554	2550	2550	.	2	953	.	252	2550	.	1
76	AB	76	-2560	2556	2556	.	2	954	.	252	2556	.	1
77	AB	77	-2631	2627	2627	.	1	919	.	252	2626	-1	1
78	AB	78	-2962	2956	2957	1	2	993	.	276	2957	.	1
79	AB	79	-2964	2958	2958	.	2	1000	.	278	2958	.	1
80	AB	80	-3057	3051	3051	.	1	999	.	276	3051	.	1

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID (Standard): BIJ050DBS

Date Analyzed: 09/04/90

Instrument ID: 5100B

Time Analyzed: 1045

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	=====	=====	=====	=====	=====	=====	=====
	12 HOUR STD	9917	15.13	39106	19.45	18070	25.32
	=====	=====	=====	=====	=====	=====	=====
	UPPER LIMIT	19834		78212		36140	
	=====	=====	=====	=====	=====	=====	=====
	LOWER LIMIT	4959		19553		9035	
	=====	=====	=====	=====	=====	=====	=====
	EPA SAMPLE NO.						
	=====	=====	=====	=====	=====	=====	=====
01	SBLKL8	12024	15.15	41732	19.47	17231	25.33
02	907601	12285	15.17	44334	19.47	18658	25.33
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

Column used to flag internal standard area values with an asterisk

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab File ID (Standard): BIJ050DBS

Date Analyzed: 09/04/90

Instrument ID: 5100B

Time Analyzed: 1045

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	43222	30.17	26314	39.00	24054	43.98
=====	=====	=====	=====	=====	=====	=====
UPPER LIMIT	86444		52628		48108	
=====	=====	=====	=====	=====	=====	=====
LOWER LIMIT	21611		13157		12027	
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLKL8	35138	30.20	16291	39.02	13001	44.02
02 907601	38535	30.22	18468	39.03	15900	44.07
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk

SEMI-VOLATILE ORGANIC ANALYSIS

RAW QC DATA PACKAGE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403

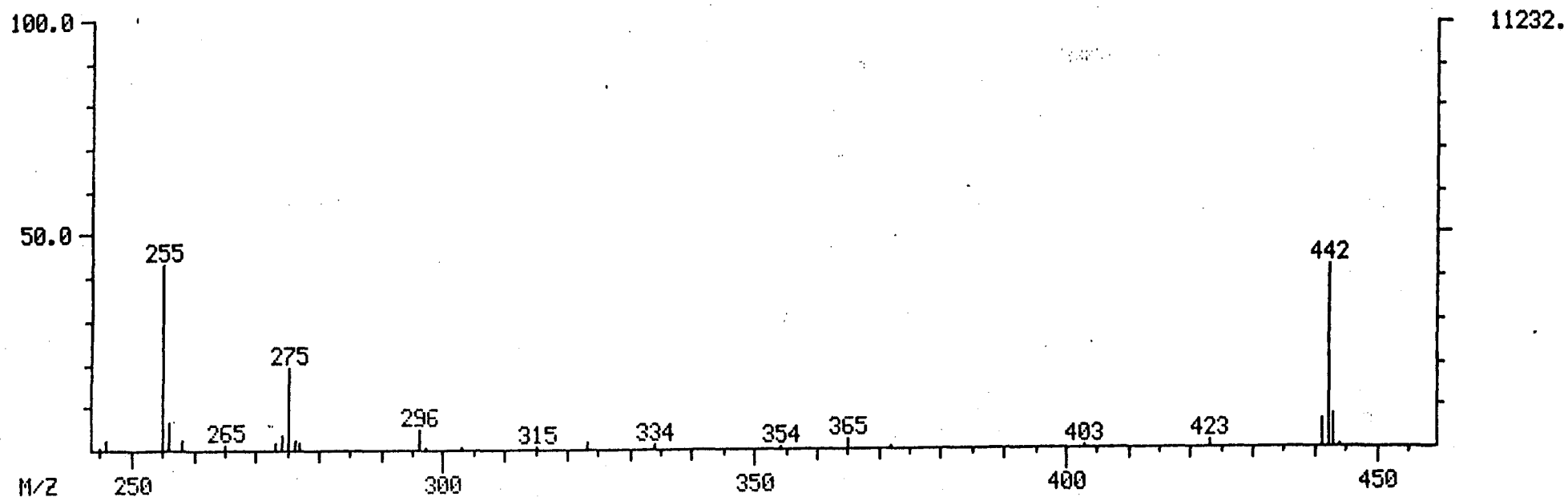
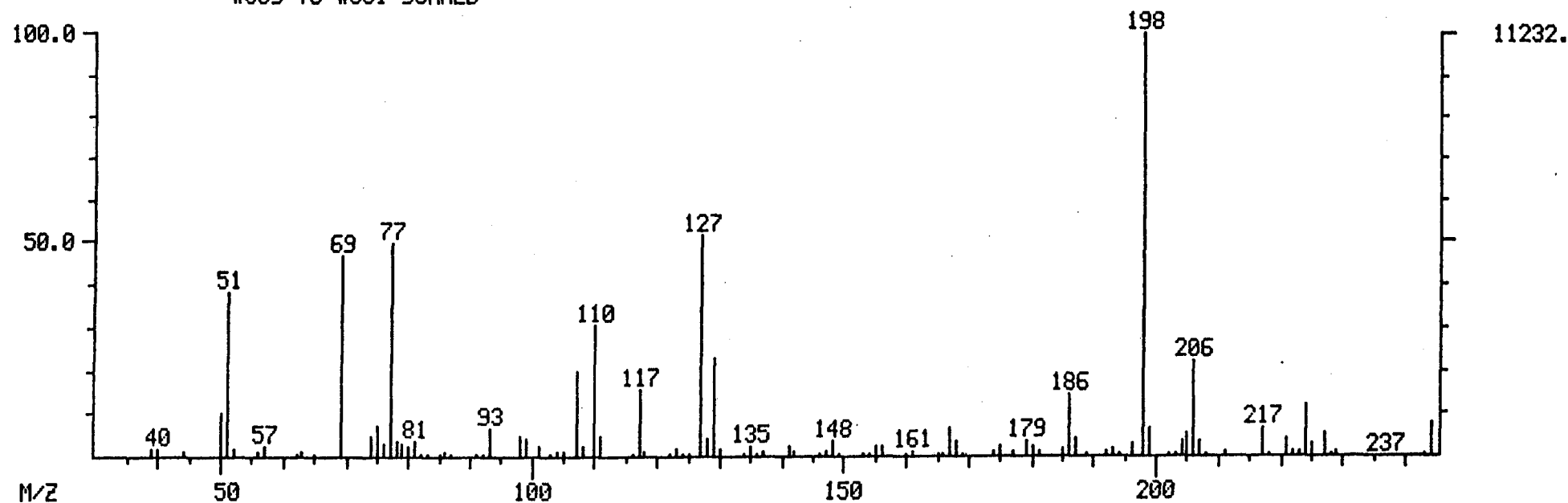
TEL. 802/658-1074

MASS SPECTRUM
08/30/90 18:28:00 + 11:00
SAMPLE: DFTPPB06
CONDS.: GC/MS 5100B
GC TEMP: 250 DEG. C
#659 TO #661 SUMMED

DATA: BII006PS #660
CALI: BII006PS #2

BASE M/Z: 198
RIC: 89344.

000302



Mass List
 08/30/90 18:28:00 + 11:00
 Sample: DFTPPB06
 Conds.: GC/MS 5100B
 #659 to #661 Summed

Data: BII006PS # 660
 Cali: BII006PS # 2

Base m/z: 198
 RIC: 89344.

39 444 Mass	0.00 % RA	0.00 % RIC	0. Minima # 0 Maxima Inten.	Min inten: 89.	Mass	% RA	% RIC	Inten.
39.00?	1.91	0.24	215.		165.00	0.88	0.11	99.
40.00?	1.93	0.24	217.		167.00	6.47	0.81	727.
44.00?	0.91	0.11	102.		168.00	3.64	0.46	409.
50.00?	10.47	1.32	1176.		174.00	1.45	0.18	163.
51.00?	38.32	4.82	4304.		175.00	2.11	0.27	237.
52.00?	2.01	0.25	226.		177.00	1.25	0.16	140.
56.00?	0.93	0.12	105.		179.00	3.71	0.47	417.
57.00?	2.39	0.30	268.		180.00	2.51	0.32	282.
63.00?	1.45	0.18	163.		181.00	0.98	0.12	110.
69.00	46.87	5.89	5264.		185.00	2.07	0.26	233.
74.00	4.80	0.60	539.		186.00	14.57	1.83	1636.
75.00	7.48	0.94	840.		187.00	4.47	0.56	502.
76.00	3.29	0.41	369.		192.00	1.48	0.19	166.
77.00	49.57	6.23	5568.		193.00	1.50	0.19	169.
78.00	3.63	0.46	408.		196.00	2.89	0.36	325.
79.00	3.13	0.39	352.		198.00	100.00	12.57	11232.
80.00	2.42	0.30	272.		199.00	6.80	0.86	764.
81.00	3.64	0.46	409.		204.00	3.65	0.46	410.
82.00	0.80	0.10	90.		205.00	5.48	0.69	615.
86.00	0.94	0.12	106.		206.00	22.40	2.82	2516.
93.00	6.34	0.80	712.		207.00	3.38	0.43	380.
98.00	5.06	0.64	568.		211.00	0.98	0.12	110.
99.00	4.35	0.55	489.		217.00	6.70	0.84	752.
101.00	2.25	0.28	253.		221.00	3.99	0.50	448.
104.00	1.05	0.13	118.		222.00	1.05	0.13	118.
105.00	1.34	0.17	151.		223.00	1.35	0.17	152.
107.00	19.59	2.46	2200.		224.00	11.68	1.47	1312.
108.00	2.50	0.31	281.		225.00	3.03	0.38	340.
110.00	30.80	3.87	3460.		227.00	5.46	0.69	613.
111.00	4.59	0.58	515.		229.00	1.46	0.18	164.
116.00	0.81	0.10	91.		244.00	7.94	1.00	892.
117.00	15.46	1.94	1736.		245.00	0.86	0.11	97.
118.00	0.98	0.12	110.		246.00	2.14	0.27	240.
122.00	0.81	0.10	91.		255.00	43.30	5.44	4864.
123.00	1.75	0.22	196.		256.00	6.35	0.80	713.
127.00	51.35	6.46	5768.		258.00	2.69	0.34	302.
128.00	4.25	0.53	477.		265.00	1.18	0.15	132.
129.00	22.69	2.85	2548.		273.00	1.60	0.20	180.
130.00	1.99	0.25	224.		274.00	3.69	0.46	415.
135.00	2.37	0.30	266.		275.00	19.09	2.40	2144.
137.00	0.98	0.12	110.		276.00	2.45	0.31	275.
141.00	2.65	0.33	298.		277.00	1.80	0.23	202.
142.00	0.94	0.12	106.		296.00	5.07	0.64	570.
147.00	1.37	0.17	154.		323.00	1.83	0.23	206.
148.00	3.53	0.44	396.		334.00	1.01	0.13	114.
153.00	0.79	0.10	89.		365.00	2.24	0.28	252.
155.00	2.11	0.27	237.		423.00	2.09	0.26	235.
156.00	2.44	0.31	274.		441.00	6.58	0.83	739.
160.00	0.82	0.10	92.		442.00	42.74	5.37	4800.
161.00	1.46	0.18	164.		443.00	7.94	1.00	892.

000303

000304

RIC+MASS CHROMATOGRAMS

08/30/90 18:28:00

SAMPLE: DFTPPB06

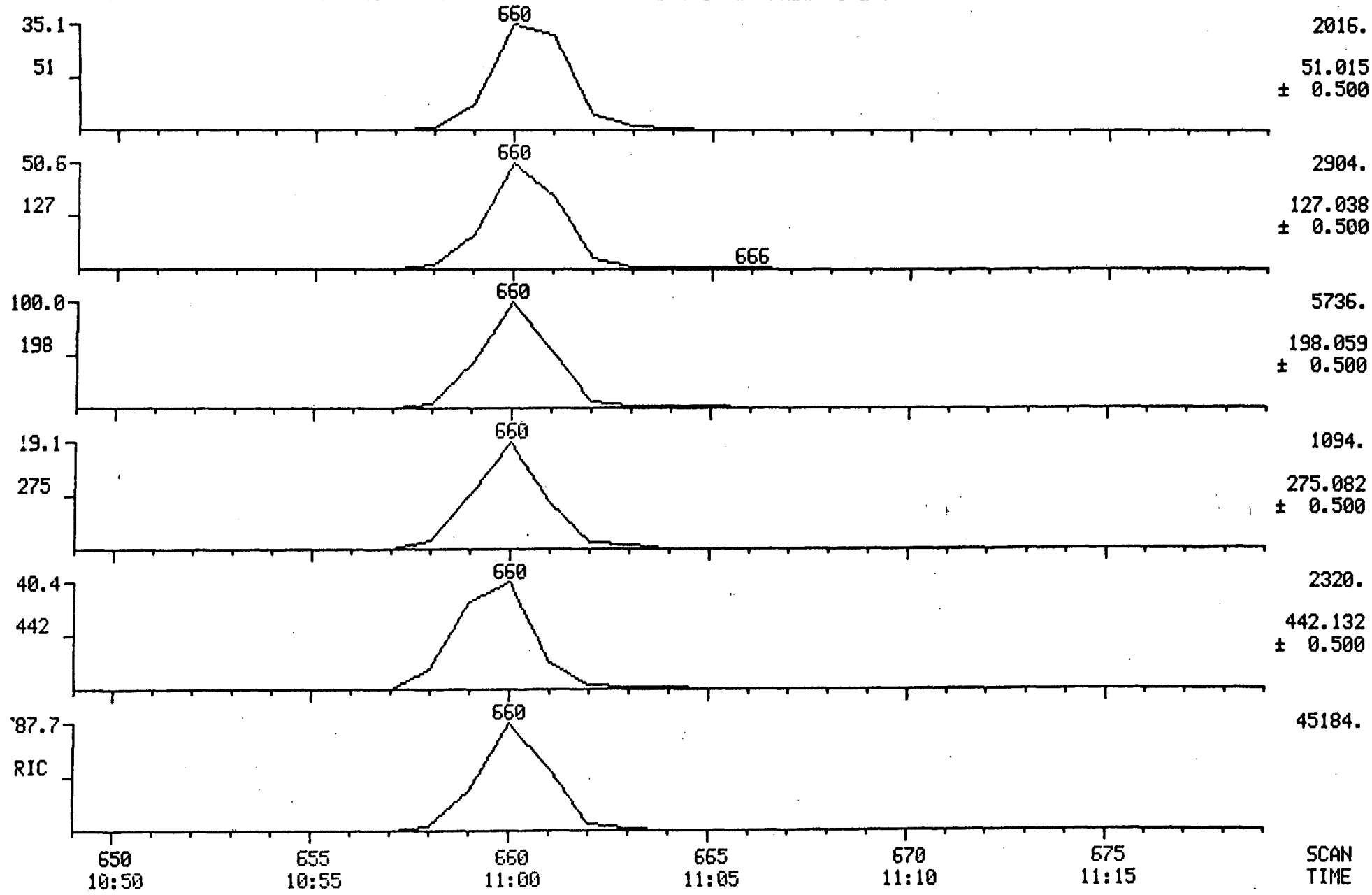
CONDS.: GC/MS 5100B

RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BII006PS #659

SCANS 649 TO 679

CALI: BII006PS #2

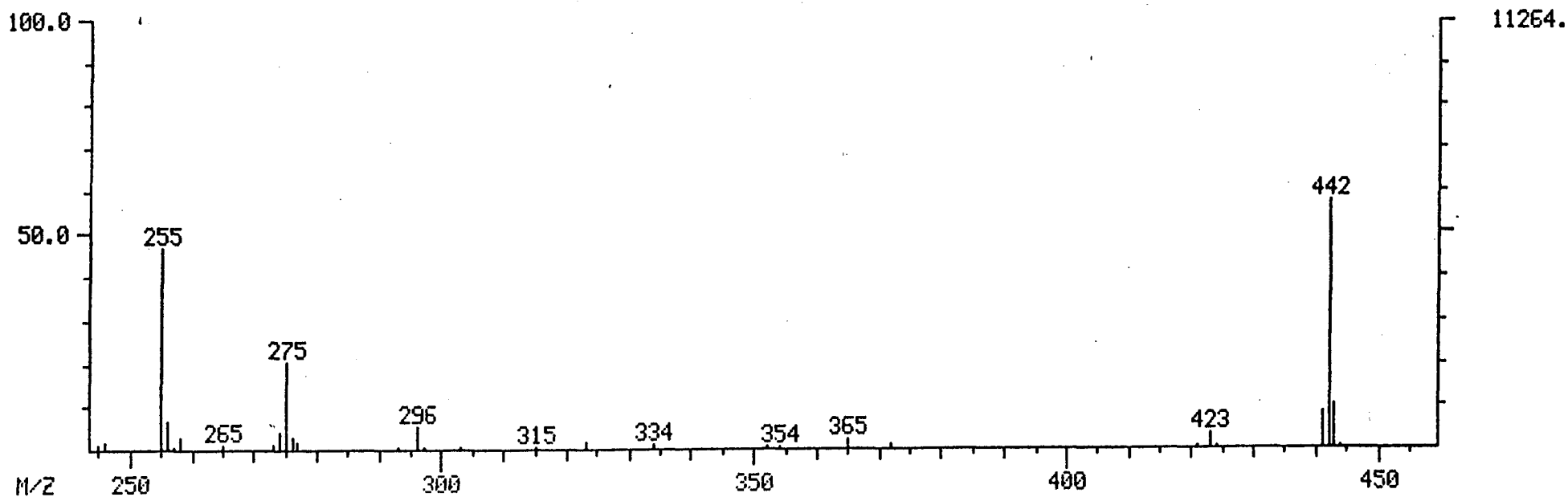
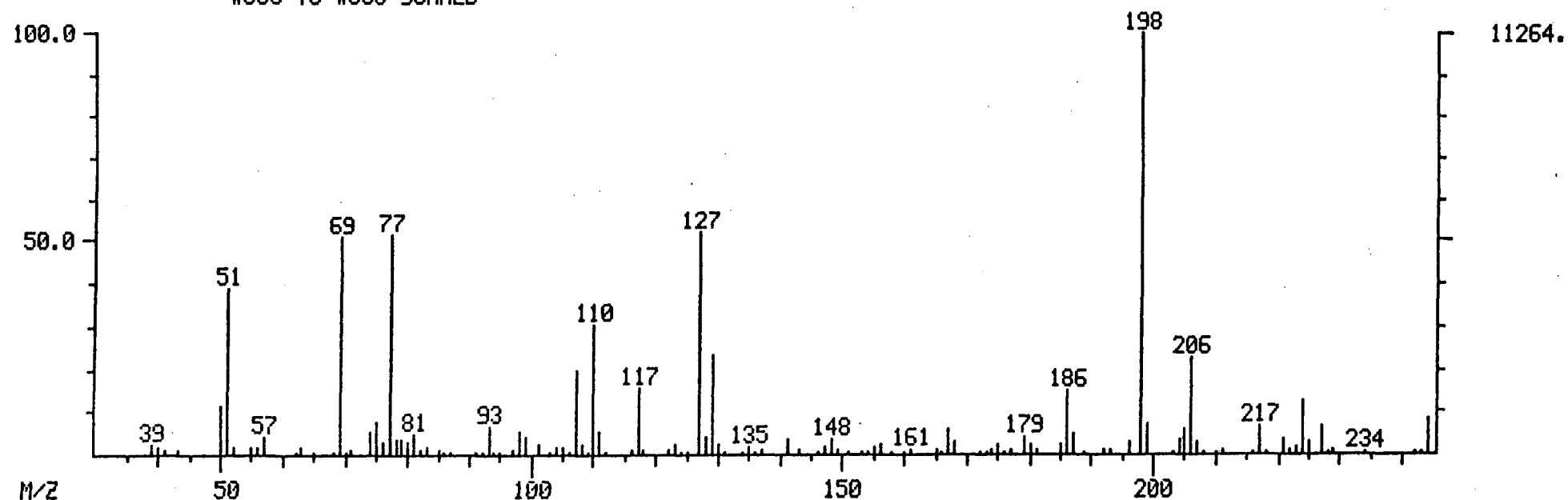


MASS SPECTRUM
09/04/90 10:17:00 + 11:07
SAMPLE: DFTPPB05
CONDS.: GC/MS 5100B
GC TEMP: 250 DEG. C
#666 TO #668 SUMMED

DATA: BIJ007PS #667
CALI: BIJ007PS #2

BASE M/Z: 198
RIC: 97536.

000305



Mass List
 09/04/90 10:17:00 + 11:07
 Sample: DFTPPB05
 Conds.: GC/MS 5100B
 #666 to #668 Summed

Data: BIJ007PS # 667
 Cali: BIJ007PS # 2

Base m/z: 198
 RIC: 97536.

39 444 Mass	0.00 % RA	0.00 % RIC	0. # 500 Inten.	Minima Maxima Mass	Min inten:	0. % RA % RIC	Inten.
39.00?	2.54	0.29	286.	111.00	5.34	0.62	602.
40.00?	2.09	0.24	235.	112.00	0.40	0.05	45.
41.00?	0.91	0.11	103.	116.00	0.97	0.11	109.
43.00?	1.29	0.15	145.	117.00	15.62	1.80	1760.
44.00?	0.29	0.03	33.	118.00	1.37	0.16	154.
50.00?	11.17	1.29	1258.	122.00	1.44	0.17	162.
51.00?	39.20	4.53	4416.	123.00	2.21	0.26	249.
52.00?	2.03	0.23	229.	124.00	0.46	0.05	52.
55.00?	1.69	0.19	190.	125.00	0.89	0.10	100.
56.00?	1.60	0.18	180.	127.00	52.06	6.01	5864.
57.00?	4.05	0.47	456.	128.00	4.13	0.48	465.
62.00?	0.36	0.04	40.	129.00	23.47	2.71	2644.
63.00?	1.50	0.21	203.	130.00	2.22	0.26	250.
65.00?	0.83	0.10	93.	131.00	0.31	0.04	35.
67.00?	0.27	0.03	30.	134.00	0.33	0.04	37.
68.00?	0.58	0.07	65.	135.00	2.03	0.23	229.
69.00	50.85	5.87	5728.	136.00	0.44	0.05	49.
70.00	0.39	0.05	44.	137.00	1.38	0.16	155.
71.00	1.09	0.13	123.	141.00	3.40	0.39	383.
73.00	0.28	0.03	31.	143.00	1.09	0.13	123.
74.00	5.13	0.59	578.	146.00	0.66	0.08	74.
75.00	7.99	0.92	900.	147.00	1.72	0.20	194.
76.00	3.12	0.36	352.	148.00	3.51	0.40	395.
77.00	51.42	5.94	5792.	149.00	1.00	0.12	113.
78.00	3.50	0.40	394.	151.00	0.36	0.04	41.
79.00	3.71	0.43	418.	153.00	0.71	0.08	80.
80.00	2.71	0.31	305.	154.00	0.68	0.08	77.
81.00	4.79	0.55	539.	155.00	1.78	0.21	200.
82.00	1.28	0.15	144.	156.00	2.30	0.27	259.
83.00	1.80	0.21	203.	158.00	0.33	0.04	37.
85.00	1.42	0.16	160.	159.00	0.28	0.03	31.
86.00	0.86	0.10	97.	160.00	0.72	0.08	81.
87.00	0.36	0.04	40.	161.00	1.40	0.16	158.
91.00	0.54	0.06	61.	162.00	0.28	0.03	31.
92.00	0.48	0.06	54.	165.00	1.29	0.15	145.
93.00	6.47	0.75	729.	166.00	0.75	0.09	84.
94.00	0.35	0.04	39.	167.00	6.02	0.70	678.
95.00	0.53	0.06	60.	168.00	3.16	0.36	356.
97.00	1.06	0.12	119.	172.00	0.31	0.04	35.
98.00	5.29	0.61	596.	173.00	0.66	0.08	74.
99.00	4.08	0.47	460.	174.00	1.06	0.12	119.
101.00	2.32	0.27	261.	175.00	2.14	0.25	241.
103.00	0.32	0.04	36.	176.00	0.31	0.04	35.
104.00	1.55	0.18	175.	177.00	0.95	0.11	107.
105.00	1.63	0.19	184.	179.00	4.18	0.48	471.
106.00	0.36	0.04	41.	180.00	2.57	0.30	290.
107.00	19.85	2.29	2236.	181.00	1.12	0.13	126.
108.00	2.58	0.30	291.	185.00	2.37	0.27	267.
109.00	0.63	0.07	71.	186.00	14.99	1.73	1688.
110.00	30.26	3.49	3408.	187.00	4.69	0.54	528.

000306

Mass	% RA	% RIC	Inten.
189.00	0.86	0.10	97.
192.00	1.20	0.14	135.
193.00	1.13	0.13	127.
196.00	3.08	0.36	347.
198.00	100.00	11.55	11264.
199.00	7.18	0.83	809.
203.00	0.68	0.08	77.
204.00	3.81	0.44	429.
205.00	6.28	0.72	707.
206.00	22.94	2.65	2584.
207.00	3.05	0.35	343.
208.00	0.82	0.09	92.
210.00	0.35	0.04	39.
211.00	1.17	0.14	132.
216.00	0.32	0.04	36.
217.00	6.70	0.77	755.
218.00	0.80	0.09	90.
221.00	3.88	0.45	437.
222.00	1.17	0.14	132.
223.00	1.58	0.18	178.
224.00	12.73	1.47	1434.
225.00	3.11	0.36	350.
227.00	6.44	0.74	725.
228.00	0.74	0.09	83.
229.00	1.27	0.15	143.
234.00	0.30	0.03	34.
242.00	0.67	0.08	76.
243.00	0.73	0.08	82.
244.00	8.47	0.98	954.
245.00	1.06	0.12	119.
246.00	2.00	0.23	225.
255.00	46.95	5.42	5288.
256.00	6.67	0.77	751.
257.00	0.67	0.08	76.
258.00	2.82	0.33	318.
265.00	1.01	0.12	114.
273.00	1.46	0.17	165.
274.00	4.47	0.52	503.
275.00	20.63	2.38	2324.
276.00	2.90	0.34	327.
277.00	1.89	0.22	213.
293.00	0.32	0.04	36.
296.00	5.48	0.63	617.
297.00	0.76	0.09	86.
303.00	0.35	0.04	39.
315.00	0.67	0.08	75.
323.00	1.81	0.21	204.
334.00	1.47	0.17	166.
352.00	0.64	0.07	72.
354.00	0.80	0.09	90.
365.00	2.41	0.28	271.
372.00	0.92	0.11	104.
421.00	0.39	0.05	44.
423.00	3.36	0.39	378.
424.00	0.64	0.07	72.
441.00	8.29	0.96	934.
442.00	57.53	6.64	6480.
443.00	10.46	1.21	1178.

Mass	% RA	% RIC	Inten.
444.00	0.53	0.06	60.

000307

000308

RIC+MASS CHROMATOGRAMS

09/04/90 10:17:00

SAMPLE: DFTPPB05

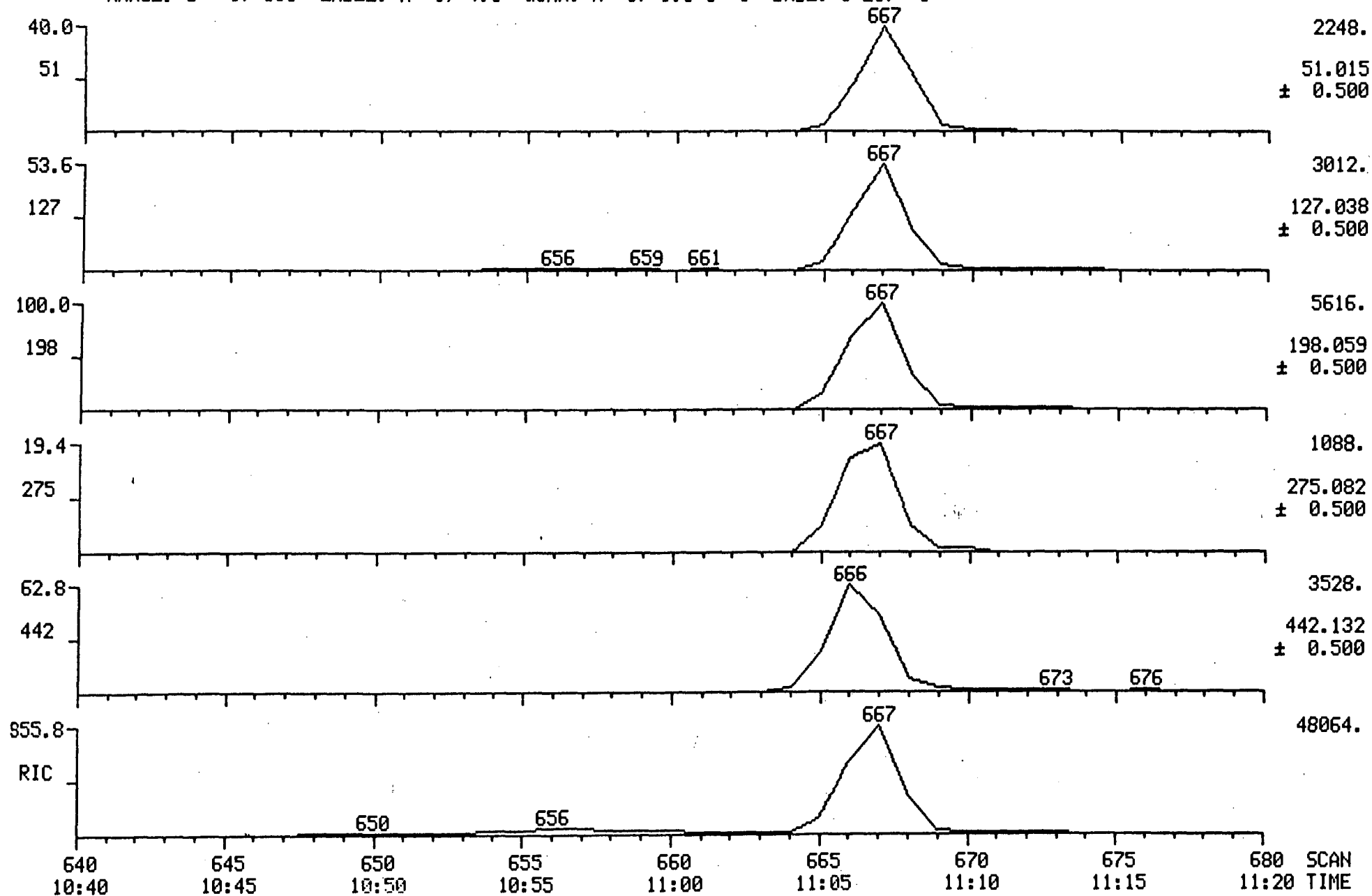
CONDS.: GC/MS 5100B

RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BIJ007PS #1

CALI: BIJ007PS #2

SCANS 640 TO 680



BB0830L8S₁

09/04/90 2025

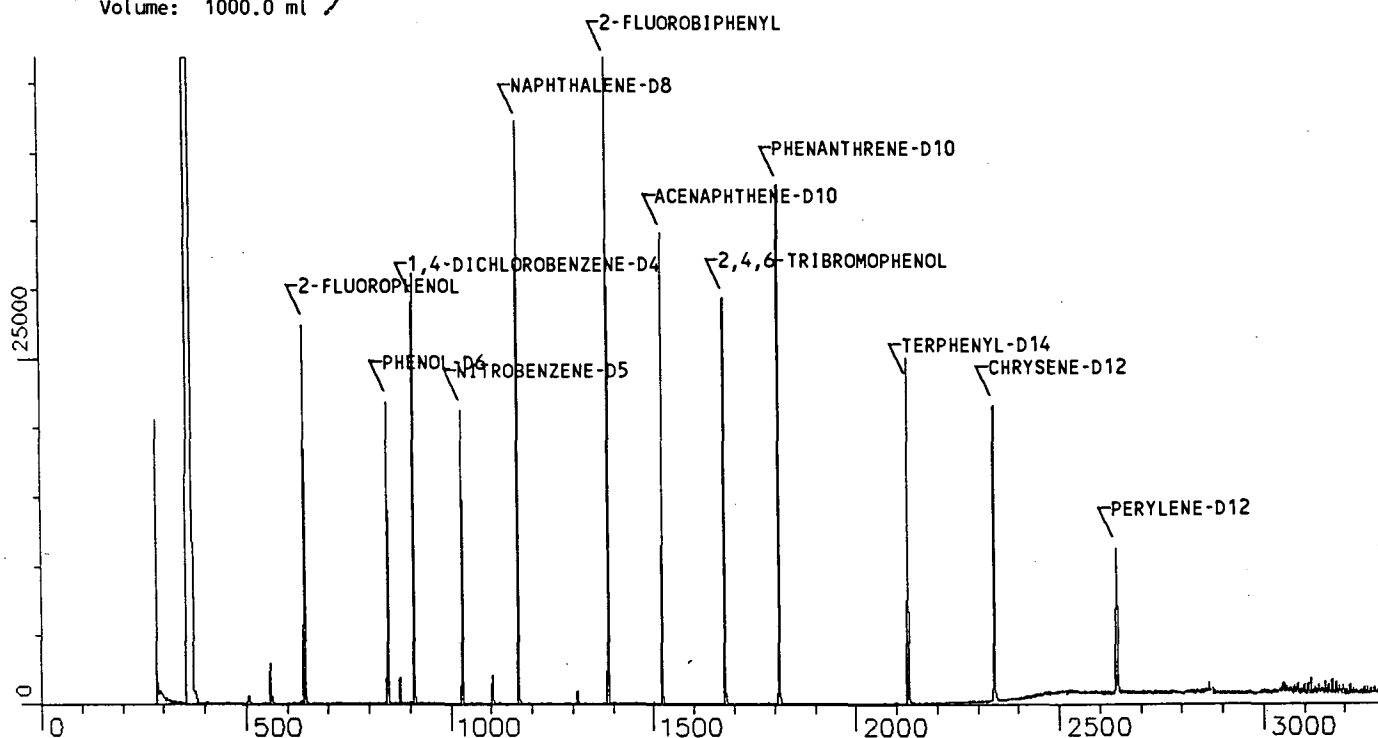
5100B -- BES

Sample: BLANK SMO#SBLKL8 ETR#22840

Conditions: GC/MS 5100B

Method: NYS.SEMI Matrix: WATER BLANK Submitted by: AQUATEC

Volume: 1000.0 ml



No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
1	152	909	15:09	1	1.000	A BB	12024.	40.000 NG/UL		1	1,4-DICHLORO BENZENE-D4
10	136	1168	19:28	10	1.000	A BB	41732.	40.000 NG/UL		10	NAPHTHALENE-D8
28	164	1520	25:20	28	1.000	A BB	17231.	40.000 NG/UL		28	ACENAPHTHENE-D10
44	188	1812	30:12	44	1.000	A BB	35138.	40.000 NG/UL		44	PHENANTHRENE-D10
60	240	2341	39:01	60	1.000	A BB	16291.	40.000 NG/UL		60	CHRYSENE-D12
68	264	2641	44:01	68	1.000	A BB	13001.	40.000 NG/UL		68	PERYLENE-D12
3	112	643	10:43	1	0.707	A BB	20532.	64.256 NG/UL	64.3	3	2-FLUOROPHENOL
4	99	845	14:05	1	0.930	A BB	17028.	41.497 NG/UL	41.5	4	PHENOL-D6
19	82	1027	17:07	10	0.879	A BB	15427.	30.533 NG/UL	61.1	19	NITROBENZENE-D5
37	172	1386	23:06	28	0.912	A BB	30575.	32.630 NG/UL	65.3	37	2-FLUOROBIPHENYL
56	330	1677	27:57	28	1.103	A BB	5983.	60.145 NG/UL	60.1	56	2,4,6-TRIBROMOPHENOL
67	244	2128	35:28	60	0.909	A BV	19783.	34.826 NG/UL	69.7	67	TERPHENYL-D14

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
1	15:08	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	1	1,4-DICHLORO BENZENE-D4
10	19:27	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	10	NAPHTHALENE-D8
28	25:19	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	28	ACENAPHTHENE-D10
44	30:10	-2	1.000	1.00	40.00	40.00	1.000	1.000	1.00	44	PHENANTHRENE-D10
60	39:00	-1	1.000	1.00	40.00	40.00	1.000	1.000	1.00	60	CHRYSENE-D12
68	43:59	-2	1.000	1.00	40.00	40.00	1.000	1.000	1.00	68	PERYLENE-D12
3	10:41	-2	0.706	1.00	64.26	50.00	1.366	1.063	1.29	3	2-FLUOROPHENOL
4	14:05	0	0.931	1.00	41.50	50.00	1.133	1.365	0.83	4	PHENOL-D6
19	17:07	0	0.880	1.00	30.53	50.00	0.296	0.484	0.61	19	NITROBENZENE-D5
37	23:05	-1	0.912	1.00	32.63	50.00	1.420	2.175	0.65	37	2-FLUOROBIPHENYL
56	27:55	-2	1.103	1.00	60.14	50.00	0.278	0.231	1.20	56	2,4,6-TRIBROMOPHENOL
67	35:27	-1	0.909	1.00	34.83	50.00	0.971	1.395	0.70	67	TERPHENYL-D14

BIJ050DBS (09/04/90 10:45) RFs loaded on 5100B 9/04/90 11:50:55

BB0830L8S 2

Sample: BLANK SMO#SBLKL8 ETR#22840

Conditions: GC/MS 5100B

Method: NYS SEMI Matrix: WATER BLANK Submitted by: AQUATEC

Volume: 1000.0 ml

09/04/90 2025

5100B -- BES

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Rec	No	Name
5	NOT FOUND									5	PHENOL
7	NOT FOUND									7	BIS(2-CHLOROETHYL)ETHER
8	NOT FOUND									8	2-CHLOROPHENOL
9	NOT FOUND									9	1,3-DICHLOROBENZENE
11	NOT FOUND									11	1,4-DICHLOROBENZENE
12	NOT FOUND									12	BENZYL ALCOHOL
13	NOT FOUND									13	1,2-DICHLOROBENZENE
14	NOT FOUND									14	2-METHYLPHENOL
15	NOT FOUND									15	BIS(2-CHLOROISOPROPYL)ETHER
16	NOT FOUND									16	4-METHYLPHENOL
17	NOT FOUND									17	N-NITROSO-DI-N-PROPYLAMINE
18	NOT FOUND									18	HEXACHLOROETHANE
20	NOT FOUND									20	NITROBENZENE
21	NOT FOUND									21	ISOPHORONE
22	NOT FOUND									22	2-NITROPHENOL
23	NOT FOUND									23	2,4-DIMETHYLPHENOL
24	NOT FOUND									24	BENZOIC ACID
25	NOT FOUND									25	BIS(2-CHLOROETHOXY)METHANE
26	NOT FOUND									26	2,4-DICHLOROPHENOL
27	NOT FOUND									27	1,2,4-TRICHLOROBENZENE
29	NOT FOUND									29	NAPHTHALENE
30	NOT FOUND									30	4-CHLOROANILINE
31	NOT FOUND									31	HEXACHLOROBUTADIENE
32	107	4280	21.20	10	1.096	A BB	67.	0.198 NG/UL		32	4-CHLORO-3-METHYLPHENOL
33	NOT FOUND									33	2-METHYLNAPHTHALENE
34	NOT FOUND									34	HEXACHLOROCYCLOPENTADIENE
35	NOT FOUND									35	2,4,6-TRICHLOROPHENOL
36	NOT FOUND									36	2,4,5-TRICHLOROPHENOL
38	NOT FOUND									38	2-CHLORONAPHTHALENE
39	NOT FOUND									39	2-NITROANILINE
40	NOT FOUND									40	DIMETHYLPHTHALATE
41	NOT FOUND									41	ACENAPHTHYLENE
42	NOT FOUND									42	2,6-DINITROTOLUENE
43	NOT FOUND									43	3-NITROANILINE
45	NOT FOUND									45	ACENAPHTHENE
46	NOT FOUND									46	2,4-DINITROPHENOL
47	NOT FOUND									47	4-NITROPHENOL
48	NOT FOUND									48	DIBENZOFURAN
49	NOT FOUND									49	2,4-DINITROTOLUENE
50	NOT FOUND									50	DIETHYLPHTHALATE
51	NOT FOUND									51	4-CHLOROPHENYL-PHENYLETHER
52	NOT FOUND									52	FLUORENE
53	NOT FOUND									53	4-NITROANILINE
54	NOT FOUND									54	4,6-DINITRO-2-METHYLPHENOL
55	NOT FOUND									55	N-NITROSODIPHENYLAMINE (1)
57	NOT FOUND									57	4-BROMOPHENYL-PHENYLETHER
58	NOT FOUND									58	HEXACHLOROBENZENE
59	266	1785	29.45	44	0.985	A BB	113.	1.017 NG/UL		59	PENTACHLOROPHENOL
61	NOT FOUND									61	PHENANTHRENE
62	NOT FOUND									62	ANTHRACENE
63	149	1932	32.12	44	1.066	A BB	175.	0.187 NG/UL		63	DI-N-BUTYLPHTHALATE
64	NOT FOUND									64	FLUORANTHENE
66	202	2099	34.59	60	0.897	A BB	199.	0.295 NG/UL		66	PYRENE
69	NOT FOUND									69	BUTYLBENZYLPHTHALATE
70	NOT FOUND									70	3,3'-DICHLOROBENZIDINE
71	NOT FOUND									71	BENZO(A)ANTHRACENE
72	NOT FOUND									72	BIS(2-ETHYLHEXYL)PHTHALATE
73	NOT FOUND									73	CHRYSENE
74	NOT FOUND									74	DI-N-OCTYLPHTHALATE
75	NOT FOUND									75	BENZO(B)FLUORANTHENE
76	NOT FOUND									76	BENZO(K)FLUORANTHENE
77	NOT FOUND									77	BENZO(A)PYRENE
78	NOT FOUND									78	INDENO(1,2,3-CD)PYRENE
79	NOT FOUND									79	DIBENZ(A,H)ANTHRACENE
80	NOT FOUND									80	BENZO(G,H,I)PERYLENE

Sample: BLANK SMO#SBLKL8 ETR#22840

Conditions: GC/MS 5100B

Method: NYS.SEMI Matrix: WATER BLANK Submitted by: AQUATEC

Volume: 1000.0 ml

09/04/90 2025

5100B -- BES

No	Ret(L)	Diff	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio	No	Name
5	14:08		0.934							5	PHENOL
7	14:24		0.952							7	BIS(2-CHLOROETHYL)ETHER
8	14:31		0.959							8	2-CHLOROPHENOL
9	15:00		0.991							9	1,3-DICHLOROBENZENE
11	15:12		1.004							11	1,4-DICHLOROBENZENE
12	15:42		1.037							12	BENZYL ALCOHOL
13	15:49		1.045							13	1,2-DICHLOROBENZENE
14	16:08		1.066							14	2-METHYLPHENOL
15	16:15		1.074							15	BIS(2-CHLOROISOPROPYL)ETHER
16	16:38		1.099							16	4-METHYLPHENOL
17	16:44		1.106							17	N-NITROSO-DI-N-PROPYLAMINE
18	16:52		1.115							18	HEXACHLOROETHANE
20	17:10		0.883							20	NITROBENZENE
21	17:58		0.924							21	ISOPHORONE
22	18:14		0.937							22	2-NITROPHENOL
23	18:23		0.945							23	2,4-DIMETHYLPHENOL
24	18:49		0.967							24	BENZOIC ACID
25	18:44		0.963							25	BIS(2-CHLOROETHOXY)METHANE
26	19:00		0.977							26	2,4-DICHLOROPHENOL
27	19:18		0.992							27	1,2,4-TRICHLOROBENZENE
29	19:31		1.003							29	NAPHTHALENE
30	19:45		1.015							30	4-CHLOROANILINE
31	20:07		1.034							31	HEXACHLOROBUTADIENE
32	21:20	0	1.097	1.00	0.20	50.00	0.001	0.324	0.00	32	4-CHLORO-3-METHYLPHENOL
33	21:48		1.121							33	2-METHYLNAPHTHALENE
34	22:33		0.891							34	HEXACHLOROCYCLOPENTADIENE
35	22:49		0.901							35	2,4,6-TRICHLOROPHENOL
36	22:56		0.906							36	2,4,5-TRICHLOROPHENOL
38	23:25		0.925							38	2-CHLORONAPHTHALENE
39	23:51		0.942							39	2-NITROANILINE
40	24:33		0.970							40	DIMETHYLPHTHALATE
41	24:49		0.980							41	ACENAPHTHYLENE
42	24:46		0.978							42	2,6-DINITROTOLUENE
43	25:13		0.996							43	3-NITROANILINE
45	25:25		1.004							45	ACENAPHTHENE
46	25:33		1.009							46	2,4-DINITROPHENOL
47	25:43		1.016							47	4-NITROPHENOL
48	25:56		1.024							48	DIBENZOFURAN
49	26:03		1.029							49	2,4-DINITROTOLUENE
50	26:52		1.061							50	DIETHYLPHTHALATE
51	27:04		1.069							51	4-CHLOROPHENYL-PHENYLETHER
52	27:05		1.070							52	FLUORENE
53	27:14		1.076							53	4-NITROANILINE
54	27:23		0.908							54	4,6-DINITRO-2-METHYLPHENOL
55	27:28		0.910							55	N-NITROSODIPHENYLAMINE (1)
57	28:40		0.950							57	4-BROMOPHENYL-PHENYLETHER
58	29:10		0.967							58	HEXACHLOROBENZENE
59	29:44	-1	0.986	1.00	1.02	50.00	0.003	0.126	0.02	59	PENTACHLOROPHENOL
61	30:15		1.003							61	PHENANTHRENE
62	30:24		1.008							62	ANTHRACENE
63	32:11	1	1.067	1.00	0.19	50.00	0.004	1.063	0.00	63	DI-N-BUTYLPHTHALATE
64	34:13		1.134							64	FLUORANTHENE
66	34:58	1	0.897	1.00	0.29	50.00	0.010	1.658	0.01	66	PYRENE
69	37:07		0.952							69	BUTYLBENZYLPHTHALATE
70	38:49		0.995							70	3,3'-DICHLOROBENZIDINE
71	38:56		0.998							71	BENZO(A)ANTHRACENE
72	39:02		1.001							72	BIS(2-ETHYLHEXYL)PHTHALATE
73	39:05		1.002							73	CHRYSENE
74	40:55		0.930							74	DI-N-OCTYLPHTHALATE
75	42:30		0.966							75	BENZO(B)FLUORANTHENE
76	42:36		0.969							76	BENZO(K)FLUORANTHENE
77	43:46		0.995							77	BENZO(A)PYRENE
78	49:17		1.120							78	INDENO(1,2,3-CD)PYRENE
79	49:18		1.121							79	DIBENZ(A,H)ANTHRACENE
80	50:51		1.156							80	BENZO(G,H,I)PERYLENE

BB0830L8S₂₃09/04/90 2025
5100B -- BES

Sample: BLANK SMO#SBLKL8 ETR#22840

Conditions: GC/MS 5100B

Method: NYS.SEMI Matrix: WATER BLANK Submitted by: AQUATEC

Volume: 1000.0 ml

$$QF = \frac{2}{1.0L} = 2 \frac{\mu g}{Ls}$$

Summary of Tentatively Identified Compounds

Rank	Scan	Dec. Time	En.RIC Height	Est. Amount	Ref	Name
~~3~~	~~284~~	~~4.73~~	~~12495.~~	~~20.7~~	~~1~~	~~UNKNOWN~~ <i>my peak</i>
~~4~~	~~358~~	~~5.97~~	~~11183.~~	~~18.5~~	~~1~~	~~UNKNOWN~~ <i>methylbenzene V: A</i>
~~1~~	~~368~~	~~6.13~~	~~279039.~~	~~462.3~~	~~1~~	~~UNKNOWN~~ <i>" "</i>
123-42-2 5	560	9.33	2815.	4.7	1	~~UNKNOWN~~ <i>2-pentanone, 4-hydroxy-4-methyl</i> <i>9JA</i>
ISTD	910	15.17	24143.	40.0	1	1,4-DICHLOROBENZENE-D4
ISTD	1168	19.47	30065.	40.0	10	NAPHTHALENE-D8
ISTD	1520	25.33	25376.	40.0	28	ACENAPHTHENE-D10
ISTD	1812	30.20	25888.	40.0	44	PHENANTHRENE-D10
~~2~~	~~2129~~	~~35.48~~	~~20703.~~	~~55.0~~	~~60~~	~~UNKNOWN~~ <i>SS#67</i>
ISTD	2341	39.02	15056.	40.0	60	CHRYSENE-D12
ISTD	2642	44.03	7560.	40.0	68	PERYLENE-D12

1 TIC'S

PROCEDURE: TCA
DATA FILE: BB0830L8S
REFERENCE: JTAB11
NAME LIST: AB
REPORT: ABRET1

DIAGNOSTIC REPORT

9/04/90 21:14:18

BIJ050ABS (08/31/90 1:40) Calib. loaded on 5100B 8/31/90 3:01:08

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
1	1	1	0	9	4	1	630	ABRET1/ABUNK1	
2	2	1	0	11	3	1	126	ABRET2/ABUNK2	
2	2	1	0	10	2	1	0	ABRET2/ABUNK3	
2	2	1	0	10	2	1	0	ABRET3/ABUNK4	
2	2	1	0	9	3	1	0	ABRET3/ABUNK5	
2	2	1	0	9	2	1	0	ABRET4/ABUNK6	
2	2	1	0	10	4	1	0	ABRET4/ABUNK7	
2	2	1	0	9	4	1	28	ABRET5/ABUNK8	
2	2	1	0	11	2	1	0	ABRET6/ABUNK9	
1	1	1	0	4	1	1	0	ABRET7/ABUNK10	

80 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND ><			SEARCH					>< SAT ><		>< CHRO ><			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	AB	1	-910	910	910	.	1	995	.	152	909	-1	1
2	AB	2	-310	287	284	-3	1	926	.	42	285	1	1
3	AB	3	-644	635	643	8	1	987	.	112	643	.	1
4	AB	4	-847	847	845	-2	1	972	.	99	845	.	1
5	AB	5	-850	850	.	.	.	.	.	94	.	.	.
6	AB	6	-853	853	.	.	.	.	.	93	.	.	.
7	AB	7	-866	867	.	.	.	.	.	93	.	.	.
8	AB	8	-874	875	.	.	.	.	.	128	.	.	.
9	AB	9	-903	905	.	.	.	.	.	146	.	.	.
10	AB	10	-1169	1168	1168	.	1	982	.	136	1168	.	1
11	AB	11	-914	913	.	.	.	.	.	146	.	.	.
12	AB	12	-944	943	.	.	.	.	.	108	.	.	.
13	AB	13	-952	951	.	.	.	.	.	146	.	.	.
14	AB	14	-970	969	.	.	.	.	.	108	.	.	.
15	AB	15	-977	976	.	.	.	.	.	45	.	.	.
16	AB	16	-1000	999	.	.	.	.	.	108	.	.	.
17	AB	17	-1006	1005	.	.	.	.	.	70	.	.	.
18	AB	18	-1014	1013	.	.	.	.	.	117	.	.	.
19	AB	19	-1029	1028	1027	-1	1	995	.	82	1027	.	1
20	AB	20	-1032	1032	.	.	.	.	.	77	.	.	.
21	AB	21	-1080	1079	.	.	.	.	.	82	.	.	.
22	AB	22	-1096	1095	.	.	.	.	.	139	.	.	.
23	AB	23	-1105	1104	.	.	.	.	.	107	.	.	.
24	AB	24	-1129	1128	.	.	.	.	.	122	.	.	.
25	AB	25	-1126	1125	.	.	.	.	.	93	.	.	.
26	AB	26	-1142	1141	.	.	.	.	.	162	.	.	.
27	AB	27	-1160	1159	.	.	.	.	.	180	.	.	.
28	AB	28	-1521	1520	1520	.	1	992	.	164	1520	.	1
29	AB	29	-1173	1172	.	.	.	.	.	128	.	.	.
30	AB	30	-1187	1186	.	.	.	.	.	127	.	.	.
31	AB	31	-1209	1208	.	.	.	.	.	225	.	.	.
32	AB	32	-1282	1281	.	.	.	.	.	107	1280	.	1
33	AB	33	-1310	1309	.	.	.	.	.	142	.	.	.
34	AB	34	-1355	1354	.	.	.	.	.	237	.	.	.
35	AB	35	-1371	1370	.	.	.	.	.	196	.	.	.
36	AB	36	-1377	1376	.	.	.	.	.	196	.	.	.
37	AB	37	-1387	1386	1386	.	1	995	.	172	1386	.	1
38	AB	38	-1407	1406	.	.	.	.	.	162	.	.	.

000313

37	AB	37	-1433	1432					83			
40	AB	40	-1475	1474					163			
41	AB	41	-1491	1490					152			
42	AB	42	-1489	1488					165			
43	AB	43	-1515	1514					138			
44	AB	44	-1813	1812	1812		1	980	188	1812		1
45	AB	45	-1528	1527					153			
46	AB	46	-1535	1534					184			
47	AB	47	-1544	1543					109			
48	AB	48	-1559	1558					168			
49	AB	49	-1566	1565					165			
50	AB	50	-1614	1613					149			
51	AB	51	-1626	1625					204			
52	AB	52	-1627	1626					166			
53	AB	53	-1636	1635					138			
54	AB	54	-1645	1644					198			
55	AB	55	-1650	1649					169			
56	AB	56	-1678	1677	1677		1	990	330	1677		1
57	AB	57	-1722	1721					248			
58	AB	58	-1752	1751					284			
59	AB	59	-1786	1785	1785		1	1000	266	1785		1
60	AB	60	-2343	2341	2341		1	948	240	2341		1
61	AB	61	-1818	1817					178			
62	AB	62	-1827	1826					178			
63	AB	63	-1934	1933					149	1932		1
64	AB	64	-2056	2054					202			
65	AB	65	-2130	2128	2128		1	908	184	2129	1	1
66	AB	66	-2101	2099					202	2099		1
67	AB	67	-2130	2128	2128		1	992	244	2128		1
68	AB	68	-2644	2642	2642		1	967	264	2641	-1	1
69	AB	69	-2231	2229					149			
70	AB	70	-2332	2330					252			
71	AB	71	-2339	2337					228			
72	AB	72	-2345	2343					149			
73	AB	73	-2348	2346					228			
74	AB	74	-2458	2456					149			
75	AB	75	-2554	2552					252			
76	AB	76	-2560	2558					252			
77	AB	77	-2631	2629					252			
78	AB	78	-2962	2960					276			
79	AB	79	-2964	2962					278			
80	AB	80	-3057	3055					276			

BB0830L8S₂₁

Sample: BLANK SMO#SBLKL8 ETR#22840

Conditions: GC/MS 5100B

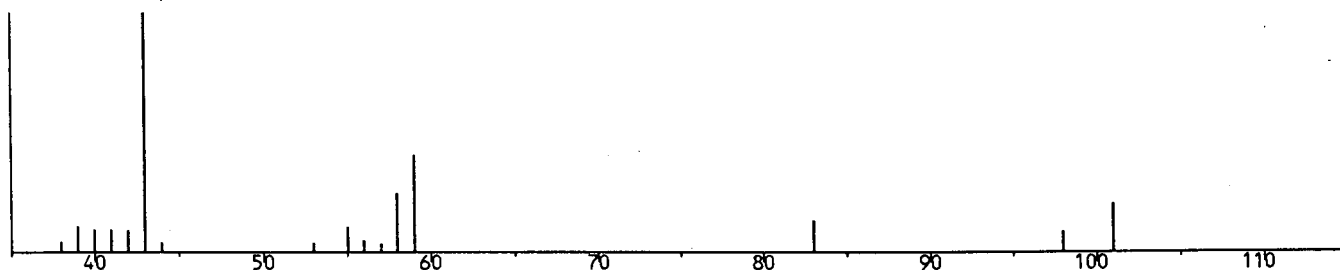
Method: NYS.SEMI Matrix: WATER BLANK Submitted by: AQUATEC

Volume: 1000.0 ml

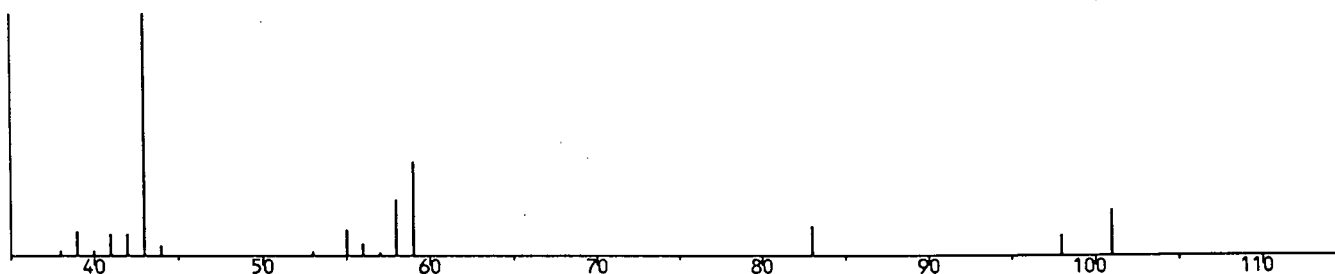
09/04/90 2025

5100B -- BES

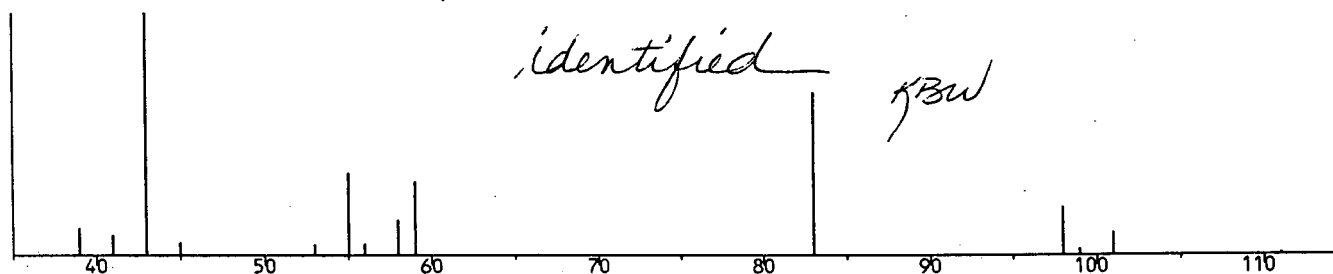
Unenhanced spectrum -- Scan # 560 Base m/z: 43 --- RIC: 3052. Max intensity: 1118



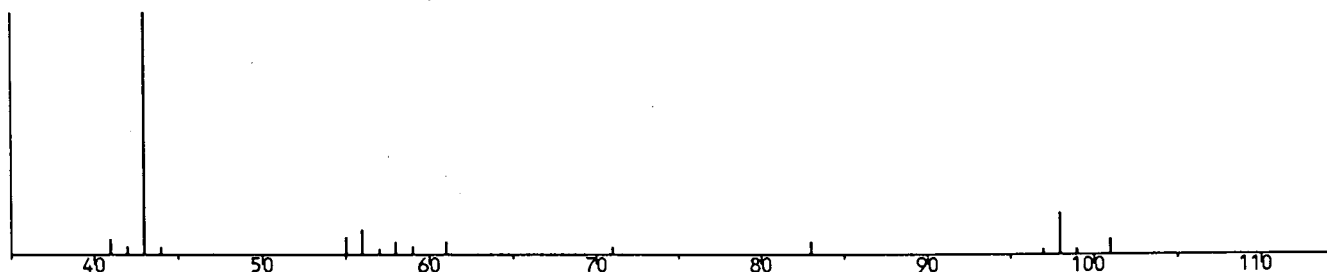
Enhanced (S 15B 2N OT) -- Scan # 560 Base m/z: 43 --- RIC: 2815 Max intensity: 1098



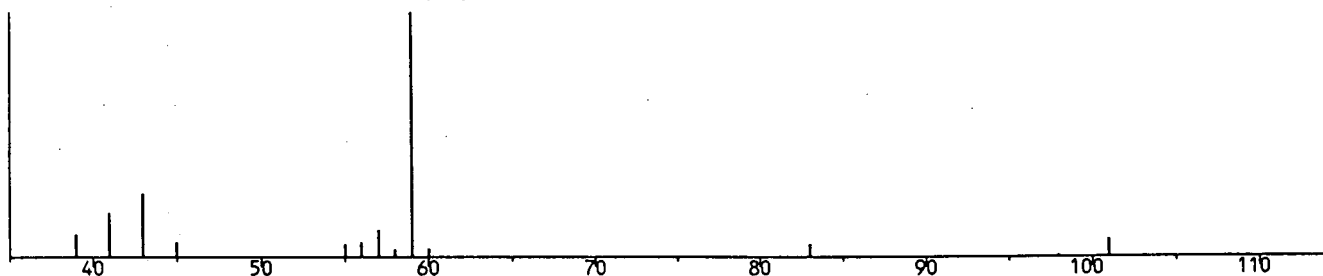
NB# 2674 CAS: 123-42-2 2-PENTANONE, 4-HYDROXY-4-METHYL- (C6H12O2) PURITY:787 FIT:834 RFIT:810



NB# 9176 CAS: 4305-26-4 2-HEXANONE, 6-(ACETYLOXY)- (C8H14O3) PURITY:724 FIT:759 RFIT:797



NB# 2776 CAS: 625-06-9 2-PENTANOL, 2,4-DIMETHYL- (C7H16O) PURITY:660 FIT:700 RFIT:689



Sample: BLANK SMO#SBLKL8 ETR#22840
Conditions: GC/MS 5100B
Method: NYS.SEMI Matrix: WATER BLANK Submitted by: AQUATEC
Volume: 1000.0 ml

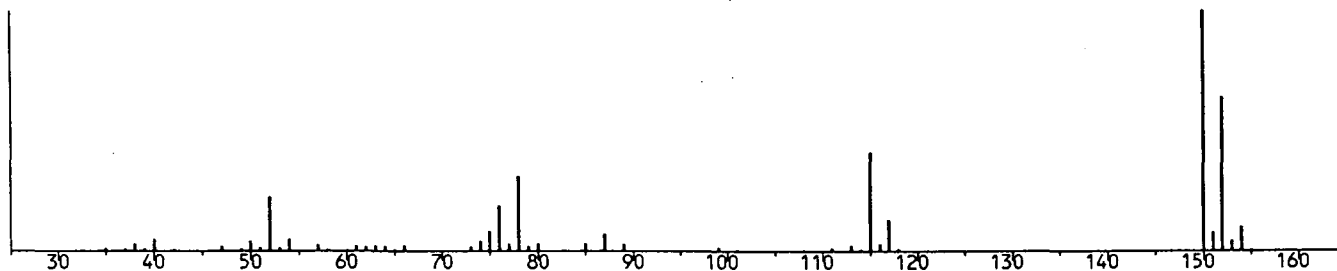
BB0830L8S₅

09/04/90 2025
5100B -- BES

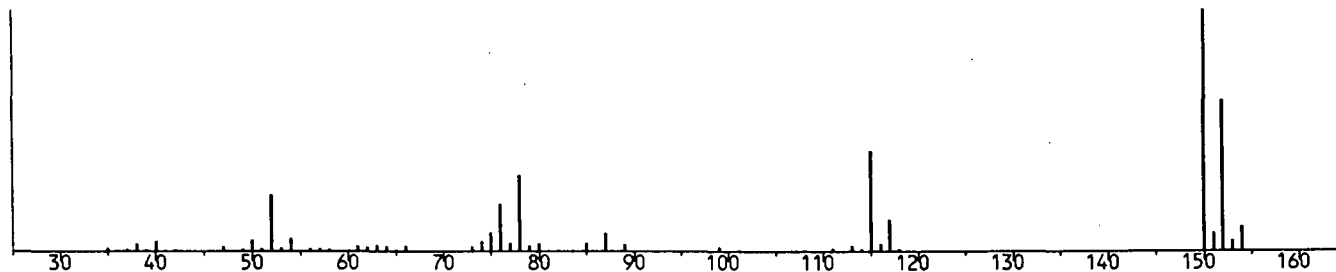
LIBRARYAB#1

1,4-DICHLOROBENZENE-D4

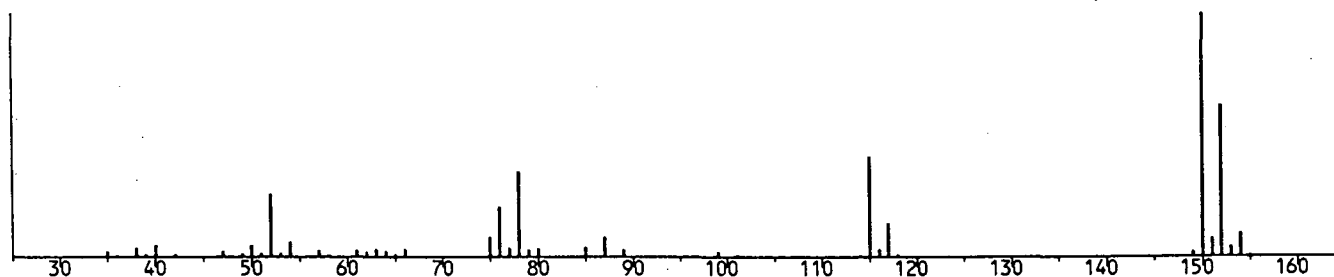
Unenhanced spectrum -- Scan # 909 Base m/z: 150 --- RIC: 29248. Max intensity: 7240



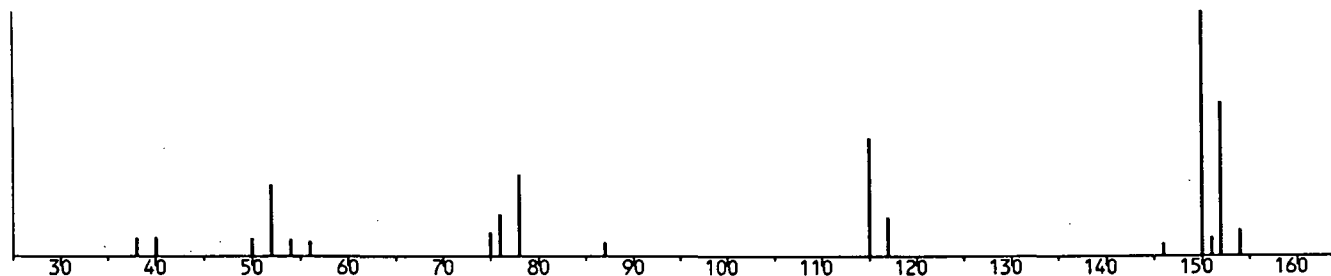
Enhanced (S 15B 2N 0T) -- Scan # 909 Base m/z: 150 --- RIC: 27328. Max intensity: 6648



Enhanced BIJ050DBS -- Scan # 908 Base m/z: 150 --- RIC: 23776. Max intensity: 5704



LIBRARYAB#1 CAS:54958-84-8 (1STD) 1,4-DICHLOROBENZENE-D4 (C6Cl2D4)



QC SUMMARY



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	PBLKT6	85	
02	907601	87	
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
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16			
17			
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22			
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25			
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27			
28			
29			
30			

ADVISORY
QC LIMITS
(24-154)

S1 (DBC) = Dibutylchloroendate

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Lab Sample ID: PBLKT6

Lab File ID: _____

Matrix: (soil/water) WATER

Level: (low/med) LOW

Date Extracted: 08/30/90

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (1): 09/05/90

Date Analyzed (2): 09/05/90

Time Analyzed (1): 1545

Time Analyzed (2): 1446

Instrument ID (1): HP764

Instrument ID (2): HP846

GC Column ID (1): RTX-35

GC Column ID (2): RTX-5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	907601	120197	09/05/90	09/05/90
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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23				
24				
25				
26				

COMMENTS: _____

PESTICIDE ANALYSIS
SUPPORTIVE DOCUMENTATION



aquatec

ENVIRONMENTAL SERVICES

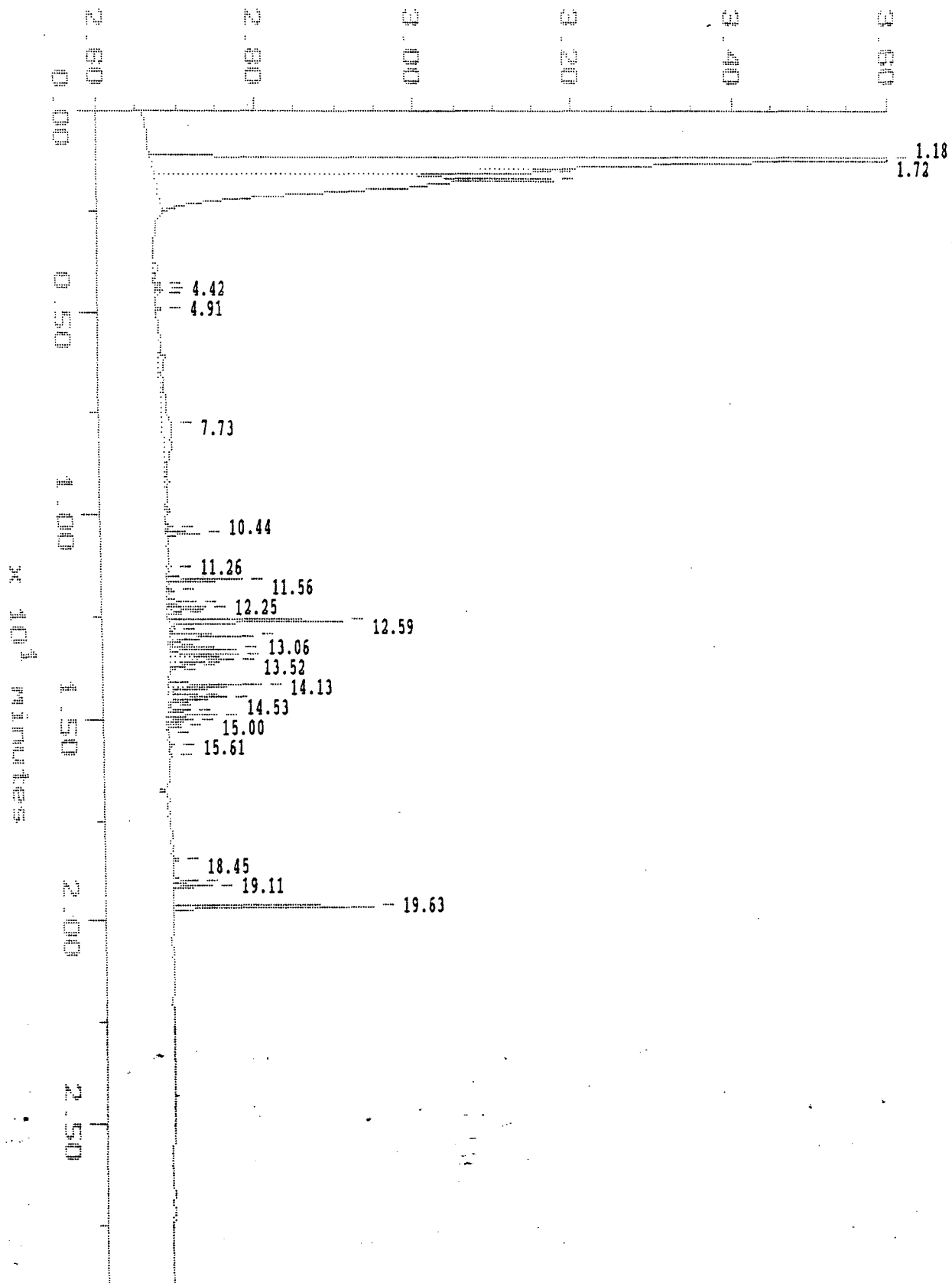
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/656-1074

907601

Sample: 120197 SOLF Channel: ECD 764
 Acquired: 05-SEP-90 16:18 Method: C:\MAX\764\AI0905NA
 Dilution: 1 : 10.000 Inj Vol: 3.00
 Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090517
 Operator: JWN *JWN*

$\times 10^{-2}$ volts



000319

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:50:38

SAMPLE: 120197 SULF
 #17 in Method: CLP.PBSTAN/GC6081A:RTX-35
 Acquired: 5-SEP-1990 16:18
 Rate: 3.0 points/sec
 Duration: 29.198 minutes
 Operator: JWM

Type: UNKN
 Instrument: HP764
 Filename: AI090517
 Index: Disk
 Injection Volume: 3.0
 Dilution: 10.000

DETECTOR: BCD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.18	0.06	BP	11382.34	193375.24			
1.51	0.08	SS	769.26	3586.30			
1.72	0.09	PB	5039.33	107870.34			
4.30	0.22	BP	73.55	482.63			
4.42	0.22	PP	75.34	214.99			
4.51	0.23	PB	61.63	174.05			
4.91	0.25	BB	61.51	176.62			
7.73	0.39	BB	124.45	12025.83			
10.27	0.52	BB	78.32	248.26			
10.44	0.53	BB	407.82	1378.49			
11.26	0.57	BB	46.85	139.52			
11.56	0.59	BB	955.94	3625.53			
11.84	0.60	BB	80.70	314.05	0.002	0.015	~~beta-BHC~~
12.10	0.62	BP	361.80	1153.72			
12.25	0.62	PP	476.00	2289.97			
12.37	0.63	PB	190.50	617.51			
12.59	0.64	BB	2195.00	9618.59	0.017	0.171	~~HEPTACHLOR~~
12.78	0.65	BB	22.89	60.99	0.000	0.002	~~delta-BHC~~
12.95	0.66	BP	1053.21	4080.68			
13.06	0.67	SS	51.38	108.38			
13.17	0.67	PP	42.08	99.62			
13.26	0.68	PP	856.40	2610.61			
13.41	0.68	PP	863.91	3099.78	0.006	0.064	ALDRIN
13.52	0.69	PP	801.92	4161.23			
13.58	0.69	SS	81.42	155.88			
13.65	0.70	PP	306.25	952.06			
13.76	0.70	PB	68.66	180.06			
14.13	0.72	BP	1149.18	4242.25			
14.23	0.72	PP	489.71	1669.70			
14.38	0.73	PP	379.32	1026.03			
14.45	0.74	PP	735.04	2248.62			
14.53	0.74	PB	235.56	653.04			
14.66	0.75	BP	37.07	100.88			
14.74	0.75	PP	300.41	933.02			

000320

AI090517

14.86	0.76	PP	636.82	2237.65			
15.00	0.76	PP	330.45	997.92			
15.14	0.77	PB	177.86	529.10			
15.32	0.78	BB	31.47	63.22			
15.61	0.80	BB	65.92	194.05	0.001	0.005	alpha-CHLORDANE
15.86	0.81	BB	34.57	87.09			
18.45	0.94	BB	79.04	275.42			
18.98	0.97	BP	309.82	1091.49			
19.11	0.97	PB	470.76	1439.50			
19.63	1.00	BB	2523.78	7688.09	0.026	0.262	DIBUTYL CHLOR
TOTAL			34515.27	378278.00	0.052	0.519	

000321

909601

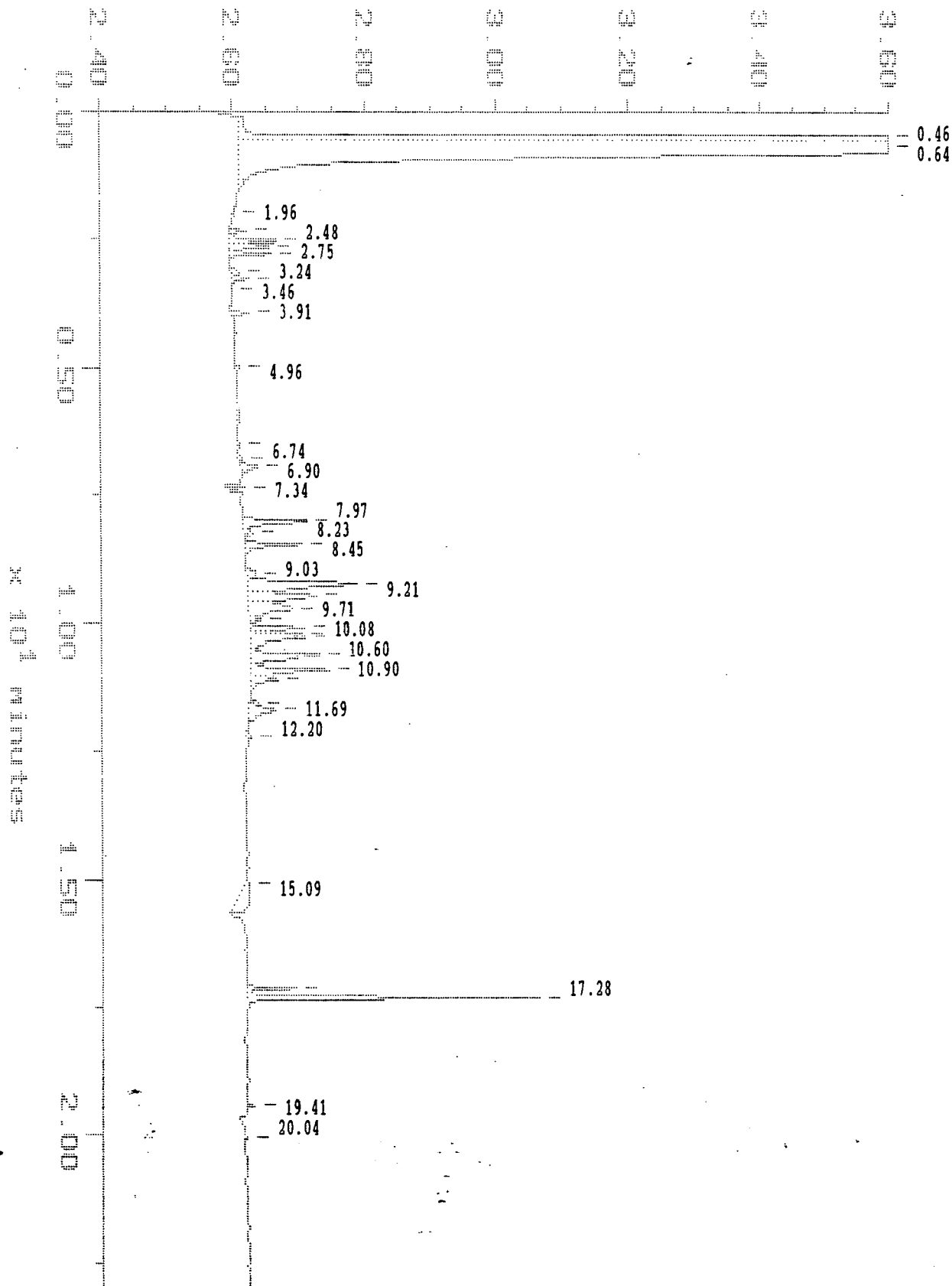
Sample: 120197 SULF Channel: BCD 846
 Acquired: 05-SEP-90 15:15 Method: C:\MAX\846\AG0905MA
 Dilution: 1 : 10.000 Inj Vol: 3.00
 Comments: AQUATEC, INC. HP846 PSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090517

Operator: JWM

JWM

$\times 10^{-2}$ volts



000322

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:50:13

SAMPLE: 120197 SULF
 #17 in Method: CLP.PESTAN/GC608GA:RTX-5
 Acquired: 5-SEP-1990 15:15
 Rate: 3.0 points/sec
 Duration: 23.502 minutes
 Operator: JWM

Type: UNKN
 Instrument: HP846
 Filename: AG090517
 Index: Disk
 Injection Volume: 3.0
 Dilution: 10.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.46	0.02	DP	21725.66	157319.92			
0.64	0.03	PB	22511.20	288208.17			
1.96	0.10	BB	35.76	205.36			
2.30	0.11	BP	246.29	838.85			
2.48	0.12	PP	707.63	4934.67			
2.63	0.13	PP	586.27	2159.10			
2.75	0.14	PB	602.25	2263.53			
3.13	0.16	BP	126.12	645.65			
3.24	0.16	PB	254.75	1084.93			
3.46	0.17	BB	27.30	153.69			
3.91	0.20	BB	255.58	1044.41			
4.96	0.25	BB	64.73	100.52			
6.47	0.32	BB	34.09	534.21			
6.74	0.34	BP	49.95	235.87			
6.90	0.34	PB	266.31	1858.45			
7.34	0.37	BB	244.86	435.73			
7.97	0.40	BP	967.98	7237.05			
8.23	0.41	SS	107.53	448.29			
8.45	0.42	PB	846.62	4360.48			
9.03	0.45	BP	126.48	1058.49			
9.21	0.46	PP	1647.23	13846.82			
9.45	0.47	PP	1038.55	8349.23	0.0041	0.0406	HEPTACHLOR
9.71	0.48	PP	661.25	7434.05			
9.92	0.50	SS	89.41	293.34			
10.08	0.50	PP	815.15	3507.38			
10.19	0.51	PP	796.56	3198.42			
10.26	0.51	PP	832.44	5661.38	0.0037	0.0370	ALDRIN
10.60	0.53	PP	1055.12	8243.48			
10.90	0.54	PP	1184.11	7538.27			
11.09	0.55	PB	390.77	1981.53			
11.55	0.58	BP	121.83	512.48			
11.69	0.58	PB	406.62	3684.91			
12.20	0.61	BB	45.90	225.47	0.0002	0.0022	ENDOSULFAN I
15.09	0.75	BB	57.82	4387.13			

000323

AG090517

17.10	0.85	BP	746.13	2438.51			
17.28	0.86	PB	4452.94	15239.39	0.0299	0.2988	DIBUTYL CHLOREN
19.41	0.97	BB	96.68	325.85			
20.04	1.00	BB	40.53	81.88			
			-----	-----	-----	-----	
TOTAL			64297.21	562076.91	0.0379	0.3786	

000324

HP 764
RTX-35
9/5/90

Aroclor 1016 Quantitation

RT	200 ppb AR1016	907601 (1:10) 120197
10.45	944.73	407.82
11.57	1664.40	955.94
12.59	3311.52	2195.00
12.96	1590.97	1053.21
13.27	1319.89	856.40
13.42	1194.83	863.91
14.15	1596.93	1149.18
14.46	1036.05	735.04
	12659.32	8216.50

$$\frac{200}{12659.32} = \frac{x}{8216.50} \quad x = 129.81 \mu\text{g/l}$$

$$\frac{129.81 \mu\text{g}}{\text{L}} \times \frac{0.01 \text{ L}}{1.008 \text{ L}} \times \frac{10}{1} = \textcircled{13 \mu\text{g/L}}$$

**PESTICIDE ANALYSIS
STANDARDS DATA PACKAGE**



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/656-1074

8D
PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP846

GC Column ID: RTX-5

Dates of Analysis: 09/05/90 to 09/06/90

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD ($\leq$ 10.0%)
Aldrin	200490	217319	238679	8.7
Endrin	178049	189630	210369	8.5
4,4'-DDT	152690	159794	163641	3.5
DBC	166442	148660	142092	8.3

(1)

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

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

		DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
	INITIAL					
01	EVAL MIX B	09/05/90	0829	5.82	0.53	
02	EVAL MIX B	09/05/90	1710	3.57	0.61	
03	EVAL MIX B					
04	EVAL MIX B					
05	EVAL MIX B					
06	EVAL MIX B					
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

- (2) See Form instructions.

8E

PESTICIDE EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP846

GC Column ID: RTX-5

Dates of Analyses: 09/05/90 to 09/06/90

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA		09/05/90	0800	0.0	
02	EVALB		09/05/90	0829	0.0	
03	EVALC		09/05/90	0858	0.0	
04	INDA		09/05/90	0927	0.0	
05	INDB		09/05/90	0956	0.0	
06	TOXAPH		09/05/90	1025	0.0	
07	AR1660		09/05/90	1054	0.0	
08	AR1221		09/05/90	1123	0.0	
09	AR1232		09/05/90	1152	0.0	
10	AR1242		09/05/90	1221	0.0	
11	AR1248		09/05/90	1250	0.0	
12	AR1254		09/05/90	1319	0.0	
13	PBLKT6	PBLKT6	09/05/90	1446	0.0	
14	907601	120197	09/05/90	1515	0.0	
15	EVALB		09/05/90	1710	0.0	
16	INDA		09/05/90	2033	0.0	
17	INDB		09/06/90	0219	0.0	
18						
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* Values outside of QC limits (2.0% for packed columns,
0.3% for capillary columns)

8E

PESTICIDE EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP764

GC Column ID: RTX-35

Dates of Analyses: 09/05/90 to 09/06/90

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA		09/05/90	0804	0.0	—
02	EVALB		09/05/90	0837	0.0	—
03	EVALC		09/05/90	0910	0.0	—
04	INDA		09/05/90	0943	0.1	—
05	INDB		09/05/90	1016	0.0	—
06	TOXAPH		09/05/90	1049	-0.1	—
07	AR1660		09/05/90	1122	-0.1	—
08	AR1221		09/05/90	1154	-0.1	—
09	AR1232		09/05/90	1228	-0.1	—
10	AR1242		09/05/90	1301	-0.1	—
11	AR1248		09/05/90	1333	-0.1	—
12	AR1254		09/05/90	1406	-0.1	—
13	PBLKT6	PBLKT6	09/05/90	1545	-0.1	—
14	907601	120197	09/05/90	1618	-0.1	—
15	EVALB		09/05/90	1830	0.0	—
16	INDA		09/05/90	2221	0.1	—
17	INDB		09/06/90	0456	0.1	—
18						
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* Values outside of QC limits (2.0% for packed columns,
0.3% for capillary columns)

9
PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP764

GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 09/05/90 TO: 09/05/90	DATE OF ANALYSIS 09/05/90
TIME(S) OF ANALYSIS FROM: 0943 TO: 1406	TIME OF ANALYSIS 2221
	EPA SAMPLE NO. (STANDARD) INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	10.62	10.56	10.68	75507			Y	
beta-BHC	11.87	11.80	11.94	52838			Y	
delta-BHC	12.77	12.72	12.82	102162			Y	
gamma-BHC	11.64	11.61	11.67	99555	11.63	95805	Y	3.8
Heptachlor	12.62	12.59	12.65	128488	12.61	123545	Y	3.8
Aldrin	13.44	13.39	13.49	135048	13.43	127526	Y	5.6
Hept. epoxide	14.80	14.74	14.86	136149	14.79	130073	Y	4.5
Endosulfan I	15.66	15.63	15.69	133657	15.66	125404	Y	6.2
Dieldrin	16.38	16.33	16.43	126696	16.37	119293	Y	5.8
4,4'-DDE	16.19	16.14	16.24	119348			Y	
Endrin	17.19	17.16	17.22	92324			Y	
Endosulfan II	17.61	17.56	17.66	131132	17.61	123801	Y	5.6
4,4'-DDD	17.48	17.43	17.53	80172			Y	
Endo. sulfate	18.70	18.67	18.73	111652			Y	
4,4'-DDT	18.18	18.13	18.23	121750	18.18	112487	Y	7.6
Methoxychlor	20.20	20.14	20.26	57796	20.21	53070	Y	8.2
Endrin ketone	20.57	20.51	20.63	105308			Y	
a. Chlordane	15.63	15.58	15.68	124669			Y	
g. Chlordane	15.26	15.23	15.29	119293			Y	
Toxaphene	17.78	17.73	17.83	2114			Y	
Aroclor-1016	12.59	12.54	12.64	21099			Y	
Aroclor-1221	10.45	10.42	10.48	1842			Y	
Aroclor-1232	12.60	12.57	12.63	2594			Y	
Aroclor-1242	12.59	12.56	12.62	4699			Y	
Aroclor-1248	14.87	14.85	14.89	4493			Y	
Aroclor-1254	18.22	18.19	18.25	8349			Y	
Aroclor-1260	17.29	17.24	17.34	10452			Y	

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

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

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

9
PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP764

GC Column ID: RTX-35

		DATE(S) OF FROM: 09/05/90 ANALYSIS TO: 09/05/90 TIME(S) OF FROM: 0943 ANALYSIS TO: 1406			DATE OF ANALYSIS 09/06/90 TIME OF ANALYSIS 0456 EPA SAMPLE NO. (STANDARD) INDB			
COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
=====	=====	=====	=====	=====	=====	=====	=====	=====
alpha-BHC	10.62	10.56	10.68	75507	10.60	82469	Y	9.2
beta-BHC	11.87	11.80	11.94	52838	11.86	56410	Y	6.8
delta-BHC	12.77	12.72	12.82	102162	12.75	112645	Y	10.3
gamma-BHC	11.64	11.61	11.67	99555			Y	
Heptachlor	12.62	12.59	12.65	128488			Y	
Aldrin	13.44	13.39	13.49	135048	13.43	124927	Y	7.5
Hept. epoxide	14.80	14.74	14.86	136149			Y	
Endosulfan I	15.66	15.63	15.69	133657			Y	
Dieldrin	16.38	16.33	16.43	126696			Y	
4,4'-DDE	16.19	16.14	16.24	119348	16.17	132795	Y	11.3
Endrin	17.19	17.16	17.22	92324	17.17	95232	Y	3.2
Endosulfan II	17.61	17.56	17.66	131132			Y	
4,4'-DDD	17.48	17.43	17.53	80172	17.46	89268	Y	11.3
Endo. sulfate	18.70	18.67	18.73	111652	18.68	122843	Y	10.0
4,4'-DDT	18.18	18.13	18.23	121750			Y	
Methoxychlor	20.20	20.14	20.26	57796			Y	
Endrin ketone	20.57	20.51	20.63	105308	20.55	118635	Y	12.7
a. Chlordane	15.63	15.58	15.68	124669	15.61	133546	Y	7.1
g. Chlordane	15.26	15.23	15.29	119293	15.25	133761	Y	12.1
Toxaphene	17.78	17.73	17.83	2114			Y	
Aroclor-1016	12.59	12.54	12.64	21099			Y	
Aroclor-1221	10.45	10.42	10.48	1842			Y	
Aroclor-1232	12.60	12.57	12.63	2594			Y	
Aroclor-1242	12.59	12.56	12.62	4699			Y	
Aroclor-1248	14.87	14.85	14.89	4493			Y	
Aroclor-1254	18.22	18.19	18.25	8349			Y	
Aroclor-1260	17.29	17.24	17.34	10452			Y	
Under QNT Y/N								

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

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

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

9
PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP846

GC Column ID: RTX-5

DATE(S) OF ANALYSIS	FROM: 09/05/90	DATE OF ANALYSIS	09/05/90
	TO: 09/05/90	TIME OF ANALYSIS	2033
TIME(S) OF ANALYSIS	FROM: 0927	EPA SAMPLE NO.	
	TO: 1319	(STANDARD)	INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	6.81	6.77	6.85	127117			N	
beta-BHC	7.61	7.57	7.65	46877			N	
delta-BHC	8.38	8.34	8.42	72932			N	
gamma-BHC	7.66	7.62	7.70	137361	7.66	138203	N	0.6
Heptachlor	9.44	9.40	9.48	255760	9.44	258505	N	1.1
Aldrin	10.29	10.25	10.33	224753	10.29	219417	N	2.4
Hept. epoxide	11.35	11.31	11.39	227956	11.35	229347	N	0.6
Endosulfan I	12.23	12.19	12.27	211704	12.23	213273	N	0.7
Dieldrin	12.89	12.85	12.93	205215	12.89	206097	N	0.4
4,4'-DDE	13.05	13.00	13.10	114842			N	
Endrin	13.40	13.35	13.45	190489			N	
Endosulfan II	13.67	13.63	13.71	192424	13.67	193638	N	0.6
4,4'-DDD	14.10	14.05	14.15	83405			N	
Endo. sulfate	14.76	14.71	14.81	186396			N	
4,4'-DDT	14.98	14.94	15.02	161498	14.98	162964	N	0.9
Methoxychlor	16.50	16.46	16.54	86227	16.50	86434	N	0.2
Endrin ketone	15.83	15.78	15.88	216015			N	
a. Chlordane	12.34	12.29	12.39	227964			N	
g. Chlordane	11.95	11.90	12.00	222095			N	
Toxaphene	15.74	15.63	15.85	5178			N	
Aroclor-1016	9.21	9.11	9.31	4686			N	
Aroclor-1221	6.90	6.81	6.99	1585			N	
Aroclor-1232	9.22	9.13	9.31	2010			N	
Aroclor-1242	9.21	9.13	9.29	4075			N	
Aroclor-1248	11.71	11.63	11.79	4165			N	
Aroclor-1254	15.07	14.98	15.16	7514			N	
Aroclor-1260	16.72	16.62	16.82	13881			N	

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

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

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

9
PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

Instrument ID: HP846

GC Column ID: RTX-5

DATE(S) OF FROM: 09/05/90					DATE OF ANALYSIS 09/06/90			
ANALYSIS TO: 09/05/90					TIME OF ANALYSIS 0219			
TIME(S) OF FROM: 0927					EPA SAMPLE NO.			
ANALYSIS TO: 1319					(STANDARD) INDB			
COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	6.81	6.77	6.85	127117	6.81	129247	N	1.7
beta-BHC	7.61	7.57	7.65	46877	7.61	47926	N	2.2
delta-BHC	8.38	8.34	8.42	72932	8.39	75479	N	3.5
gamma-BHC	7.66	7.62	7.70	137361			N	
Heptachlor	9.44	9.40	9.48	255760			N	
Aldrin	10.29	10.25	10.33	224753	10.29	220788	N	1.8
Hept. epoxide	11.35	11.31	11.39	227956			N	
Endosulfan I	12.23	12.19	12.27	211704			N	
Dieldrin	12.89	12.85	12.93	205215			N	
4,4'-DDE	13.05	13.00	13.10	114842	13.05	121105	N	5.5
Endrin	13.40	13.35	13.45	190489	13.40	193552	N	1.6
Endosulfan II	13.67	13.63	13.71	192424			N	
4,4'-DDD	14.10	14.05	14.15	83405	14.10	87170	N	4.5
Endo. sulfate	14.76	14.71	14.81	186396	14.76	185514	N	0.5
4,4'-DDT	14.98	14.94	15.02	161498			N	
Methoxychlor	16.50	16.46	16.54	86227			N	
Endrin ketone	15.83	15.78	15.88	216015	15.83	214712	N	0.6
a. Chlordane	12.34	12.29	12.39	227964	12.34	228715	N	0.3
g. Chlordane	11.95	11.90	12.00	222095	11.96	221940	N	0.1
Toxaphene	15.74	15.63	15.85	5178			N	
Aroclor-1016	9.21	9.11	9.31	4686			N	
Aroclor-1221	6.90	6.81	6.99	1585			N	
Aroclor-1232	9.22	9.13	9.31	2010			N	
Aroclor-1242	9.21	9.13	9.29	4075			N	
Aroclor-1248	11.71	11.63	11.79	4165			N	
Aroclor-1254	15.07	14.98	15.16	7514			N	
Aroclor-1260	16.72	16.62	16.82	13881			N	

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

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

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

10
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

907601

Lab Name: AQUATEC, INC.

Contract: C-001762

Lab Code: AQUAI

Case No.: RB090

SAS No.: _____

SDG No.: 0828

GC Column ID (1): RTX-35

GC Column ID (2): RTX-5

Instrument ID (1): HP764

Instrument ID (2): HP846

Lab Sample ID: 120197

Lab File ID: _____ (only if confirmed by GC/MS)

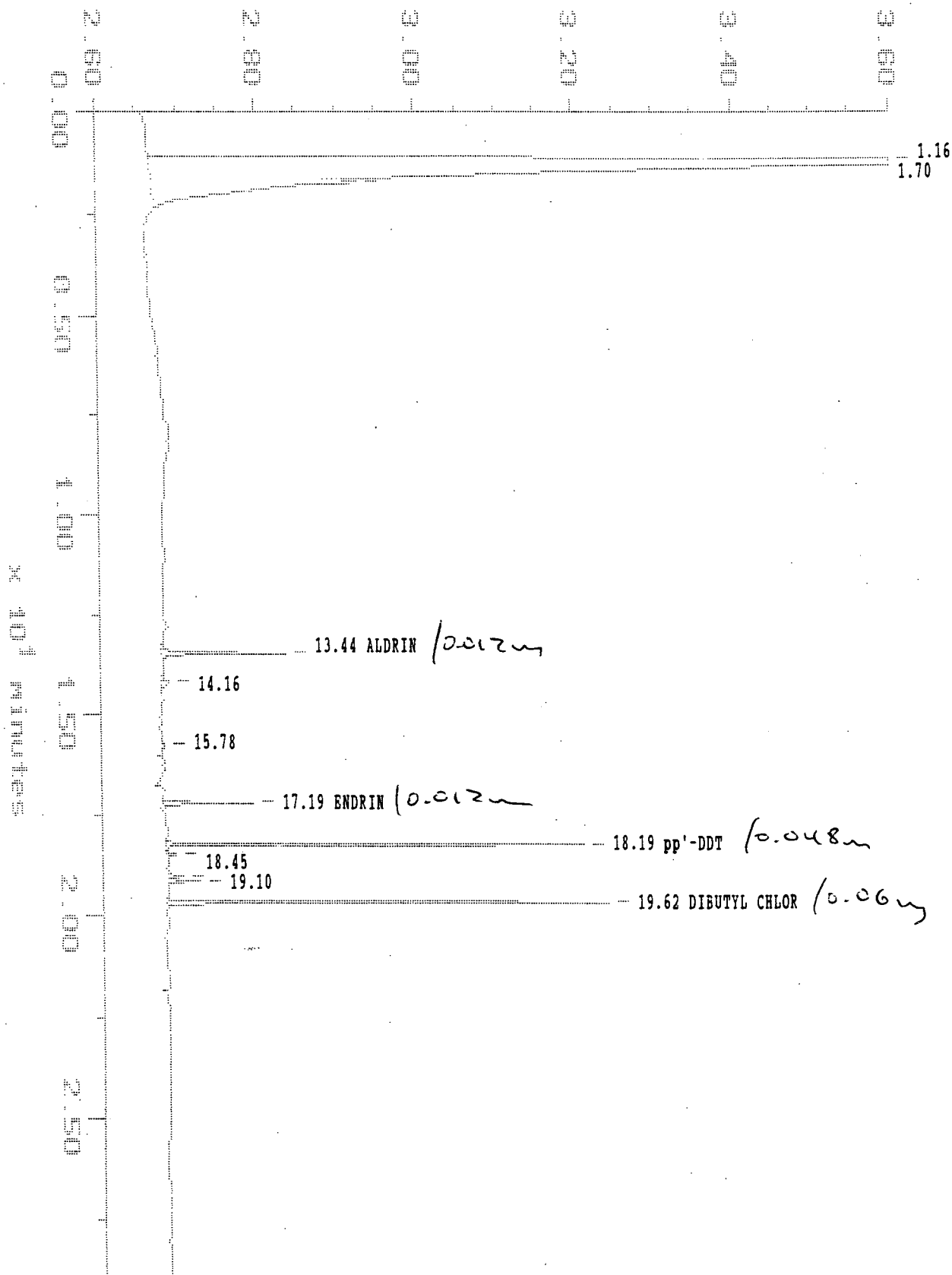
PESTICIDE/PCB		RETENTION TIME		RT WINDOW OF STANDARD FROM TO		QUANT? (Y/N)	GC/MS? (Y/N)
01	AROCLOR 1016	Column 1	12.53	12.54	12.64	Y	N
02		Column 2	9.21	9.11	9.31	N	N
03	_____	Column 1	_____	_____	_____	—	—
04		Column 2	_____	_____	_____	—	—
05	_____	Column 1	_____	_____	_____	—	—
06		Column 2	_____	_____	_____	—	—
07	_____	Column 1	_____	_____	_____	—	—
08		Column 2	_____	_____	_____	—	—
09	_____	Column 1	_____	_____	_____	—	—
10		Column 2	_____	_____	_____	—	—
11	_____	Column 1	_____	_____	_____	—	—
12		Column 2	_____	_____	_____	—	—

Comments: _____

Sample: EVAL A Channel: ECD 764
Acquired: 05-SEP-90 8:04 Method: C:\MAX\764\AI0905NA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090502
Operator: JWM

$\times 10^{-2}$ volts



000334

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:23:07

SAMPLE: EVAL A

#2 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 8:04

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: A1090502

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

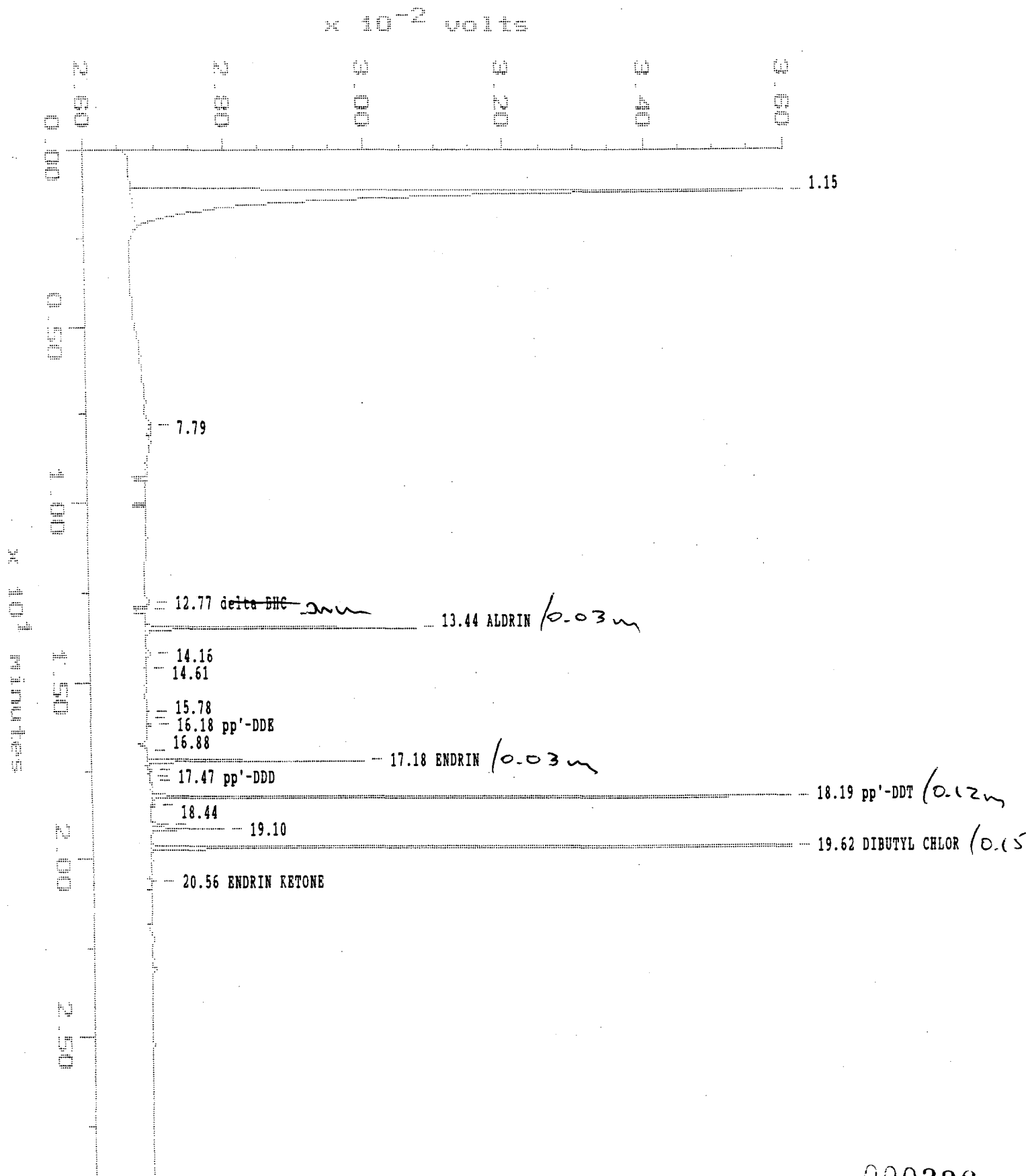
Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.16	0.06	BB	16246.92	308189.95			
1.70	0.09	SS	376.11	1365.70			
13.44	0.69	BB	1561.88	5575.66	0.012	0.012	ALDRIN
14.16	0.72	BB	79.51	740.14			
15.78	0.80	BB	33.86	127.51			
17.19	0.88	BB	1133.80	3374.82	0.012	0.012	ENDRIN
18.19	0.93	BB	5270.60	13770.67	0.043	0.043	pp'-DDT
18.45	0.94	BB	102.40	309.29			
18.98	0.97	BP	188.47	668.69			
19.10	0.97	PB	398.16	1214.67			
19.62	1.00	BB	5576.85	16713.61	0.058	0.058	DIBUTYL CHLOR
TOTAL			30968.55	352050.70	0.125	0.125	

000335

Sample: EVAL B
Acquired: 05-SEP-90 8:37
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090503
Operator: JWM *jwm*



000336

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:24:17

SAMPLE: EVAL B

#3 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 8:37

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090503

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.15	0.06	BB	9505.27	152010.90			
7.79	0.38	BB	40.65	873.11			
12.77	0.62	BB	22.17	67.39	0.000	0.000	~~delta-BHC~~
12.92	0.63	BB	153.66	277.23			
13.44	0.65	BB	3877.76	11930.80	0.029	0.029	ALDRIN
14.16	0.69	BB	63.66	477.00			
14.61	0.71	BB	25.99	95.90			
15.78	0.77	BB	20.38	73.67			
16.00	0.78	BB	11.68	21.17			
16.18	0.79	BB	44.35	123.41	0.000	0.000	pp'-DDE
16.88	0.82	BB	23.37	78.53			
17.18	0.84	BB	3124.71	8635.79	0.034!!	0.034!!	ENDRIN
17.28	0.84	SS	6.79	21.40			
17.47	0.85	BB	61.04	244.37	0.001	0.001	pp'-DDD
17.63	0.86	BB	14.66	59.82	0.000	0.000	~~ENDOSULFAN II~~ <i>~~~~</i>
17.78	0.86	BB	16.81	49.82			
18.19	0.88	BB	14167.67	36534.39	0.116	0.116	pp'-DDT
18.44	0.90	BB	52.57	153.46			
18.97	0.92	BP	211.36	750.88			
19.10	0.93	PB	1021.03	3037.51			
19.62	0.95	BB	14278.18	42483.63	0.148	0.148	DIBUTYL CHLOR
20.56	1.00	BB	75.34	242.61	0.001	0.001	ENDRIN KETONE
TOTAL			46819.10	258242.78	0.329!!	0.329!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

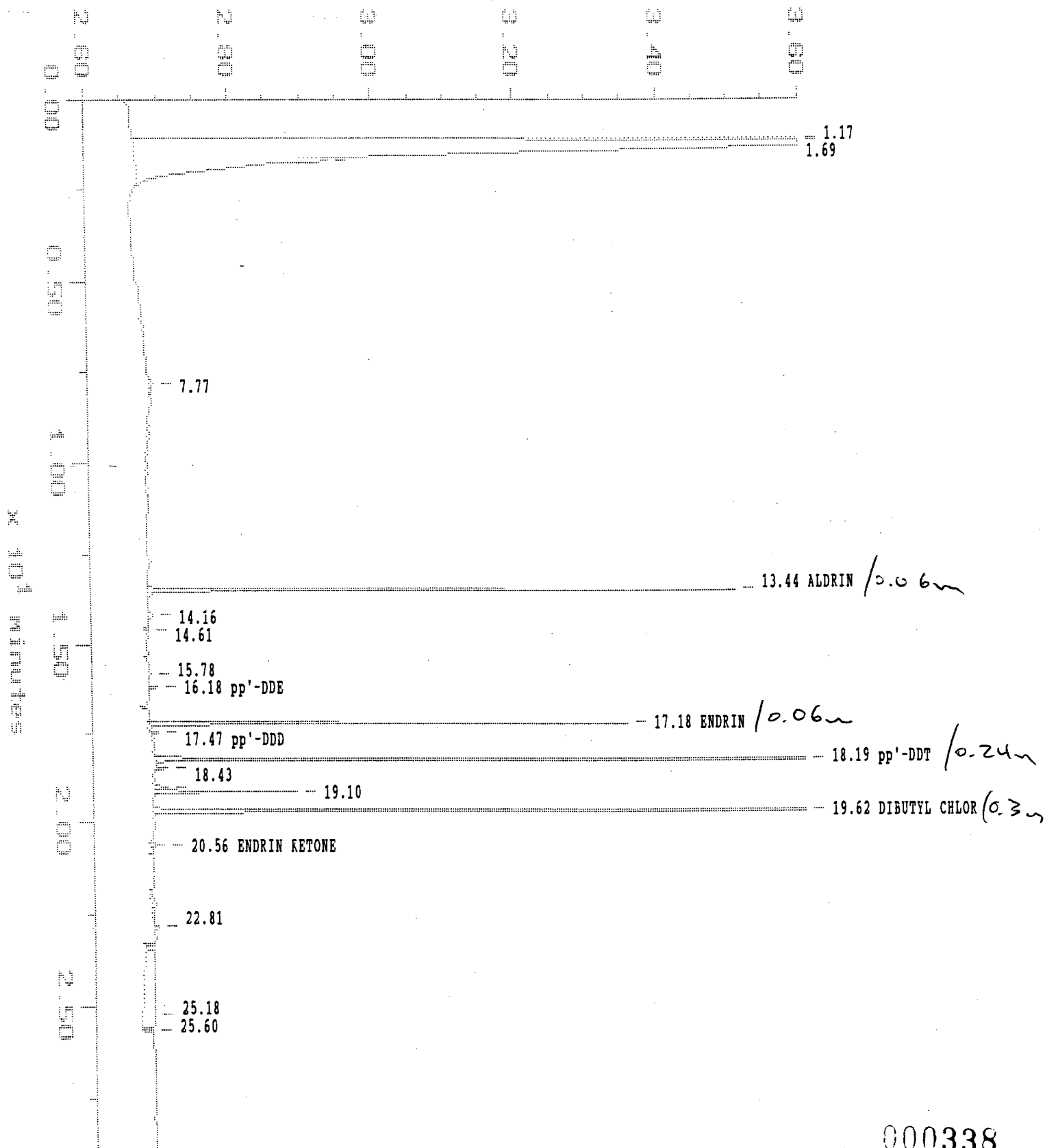
000337

Sample: EVAL C Channel: ECD 764
Acquired: 05-SEP-90 9:10 Method: C:\MAX\764\AI0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090504

Operator: JWM

$\times 10^{-2}$ volts



000338

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:25:28

SAMPLE: EVAL C

#4 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 9:10

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090504

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.11	0.04	BP	17176.39	31012.76			
1.17	0.05	PB	18186.57	302728.67			
1.69	0.07	SS	270.96	1301.96			
7.77	0.30	BB	43.15	908.28			
13.44	0.52	BB	8272.05	24096.48	0.061!!	0.061!!	ALDRIN
14.16	0.55	BB	54.00	391.69			
14.61	0.57	BB	26.58	108.89			
15.78	0.62	BB	27.06	89.00			
16.18	0.63	BB	101.33	272.50	0.001	0.001	pp'-DDE
17.18	0.67	BB	6745.94	18108.95	0.073!!	0.073!!	ENDRIN
17.47	0.68	BB	104.90	387.42	0.001	0.001	pp'-DDD
18.19	0.71	BB	28144.84	72643.42	0.231!!	0.231!!	pp'-DDT
18.43	0.72	BB	164.27	479.74			
18.97	0.74	BP	196.93	683.23			
19.10	0.75	PB	2018.57	5914.62			
19.62	0.77	BB	27815.82	82409.76	0.288!!	0.288!!	DIBUTYL CHLOR
20.56	0.80	BB	165.46	560.51	0.002	0.002	ENDRIN KETONE
22.81	0.89	BB	66.16	1896.96			
25.18	0.98	BP	186.20	20026.34			
25.60	1.00	PB	140.43	156.84			
TOTAL			109907.64	564178.02	0.658!!	0.658!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

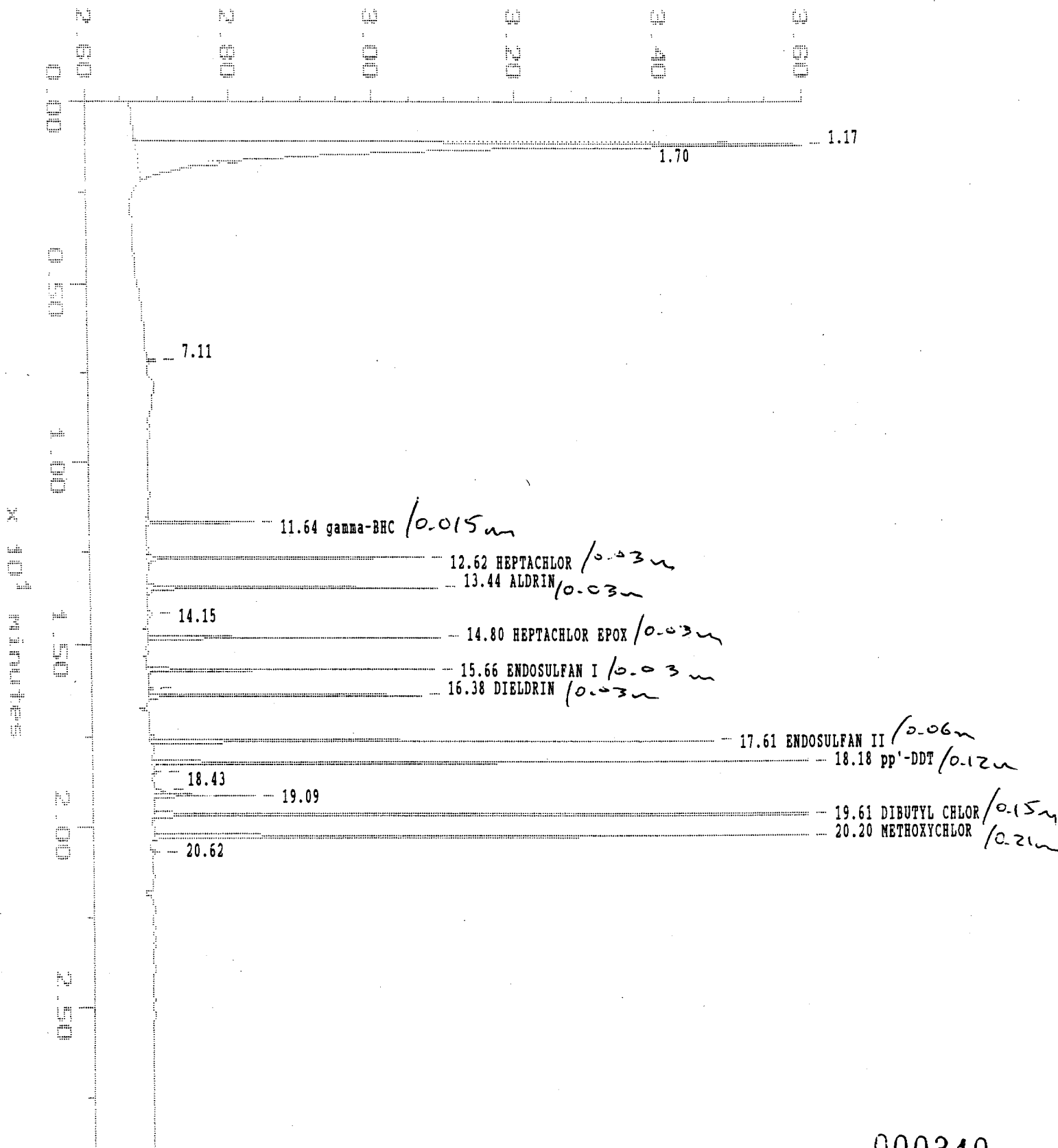
000339

Sample: IND A 50%
Acquired: 05-SEP-90 9:43
Inj Vol: 3.00
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905NA
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090505
Operator: JWN

$\times 10^{-2}$ volts



000340

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:17:50

SAMPLE: IND A 50%

#5 in Method: CLP.PESTAN/GC6081A:RTX-35

Acquired: 5-SEP-1990 9:43

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: STND

Instrument: HP764

Filename: AI090505

Index: Disk

Injection Volume: 3.0

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.11	0.05	BP	8025.65	13233.30			
1.17	0.06	PB	9379.15	144483.25			
1.70	0.08	SS	119.92	559.55			
7.11	0.34	BB	130.65	662.58			
11.64	0.56	BB	1493.33	4409.77	0.015	0.015	gamma-BHC
12.62	0.61	BB	3854.63	11747.03	0.030	0.030	HEPTACHLOR
13.44	0.65	BB	4051.45	12492.16	0.030	0.030	ALDRIN
14.15	0.69	BB	53.76	400.92			
14.80	0.72	BB	4084.47	11111.76	0.030	0.030	HEPTACHLOR EPOX
15.66	0.76	BB	4009.72	11093.06	0.030	0.030	ENDOSULFAN I
16.18	0.78	BB	49.71	125.04	Invalid	Invalid	pp'-DDE
16.38	0.79	BB	3800.87	10193.30	0.030	0.030	DIELDRIN
17.61	0.85	BB	7867.93	21361.76	0.060	0.060	ENDOSULFAN II
18.18	0.88	BB	14610.05	37693.91	0.120	0.120	pp'-DDT
18.43	0.89	BB	92.63	274.91			
18.96	0.92	BP	174.28	665.10			
19.09	0.93	PB	1423.36	4243.53			
19.61	0.95	BB	14469.86	42666.74	0.150	0.150	DIBUTYL CHLOR
20.20	0.98	BB	12137.18	38928.26	0.210	0.210	METHOXYCHLOR
20.62	1.00	BB	86.78	289.01			
TOTAL			89915.41	366634.95	0.705	0.705	

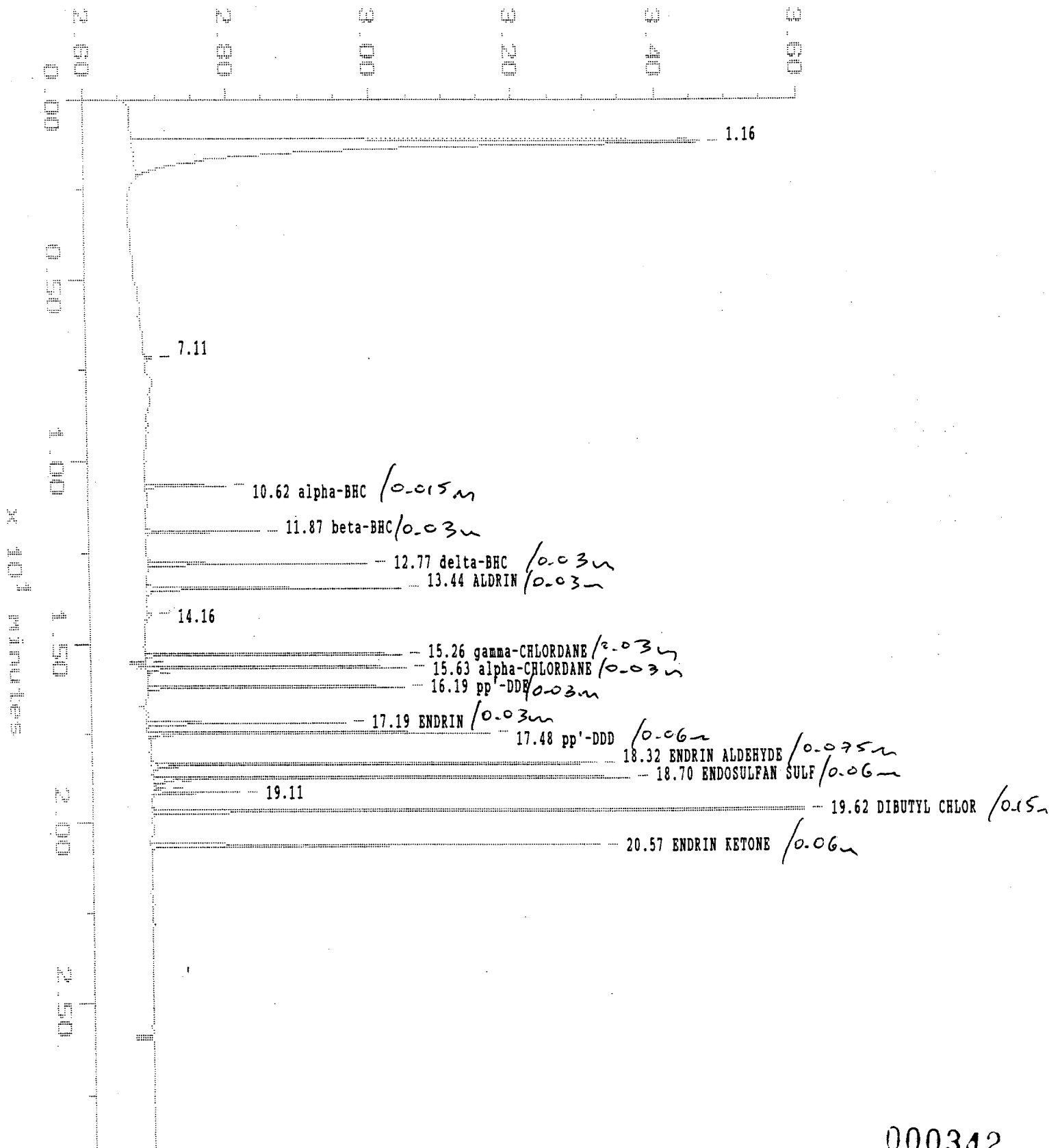
000341

Sample: IND B 50%
Acquired: 05-SEP-90 10:16
Inj Vol: 3.00
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905NA
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090506
Operator: JWN

$\times 10^{-2}$ volts



000342

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:20:14

SAMPLE: IND B 50%

#6 in Method: CLP.PESTAN/GC6081A:RTX-35

Acquired: 5-SEP-1990 10:16

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: STND

Instrument: HP764

Filename: A1090506

Index: Disk

Injection Volume: 3.0

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.11	0.05	BP	7542.73	12023.80			
1.16	0.06	PB	7967.00	129372.96			
7.11	0.35	BB	111.22	559.83			
10.62	0.52	BB	1132.61	3523.94	0.015	0.015	alpha-BHC
11.87	0.58	BB	1585.13	4649.15	0.030	0.030	beta-BHC
12.77	0.62	BB	3064.87	8047.36	0.030	0.030	delta-BHC
13.44	0.65	BB	3553.51	11194.70	Invalid	Invalid	ALDRIN
14.16	0.69	BB	56.51	390.86			
15.26	0.74	BB	3578.78	9604.62	0.030	0.030	gamma-CHLORDANE
15.52	0.75	BP	216.13	258.81			
15.63	0.76	PB	3740.07	10894.77	0.030	0.030	alpha-CHLORDANE
15.79	0.77	BB	46.97	147.99			
16.19	0.79	BB	3580.45	9610.31	0.030	0.030	pp'-DDE
17.19	0.84	BB	2769.71	7425.26	0.030	0.030	ENDRIN
17.48	0.85	BP	4810.33	12251.53	0.060	0.060	pp'-DDD
17.62	0.86	PB	85.12	287.17	Invalid	Invalid	ENDOSULFAN 11
18.32	0.89	BB	6251.22	17803.34	0.075	0.075	ENDRIN ALDEHYDE
18.45	0.90	SS	51.50	115.93			
18.70	0.91	BB	6699.09	18983.16	0.060	0.060	ENDOSULFAN SULF
18.80	0.91	SS	181.91	399.44			
18.98	0.92	BP	152.59	536.95			
19.11	0.93	PB	1216.17	3633.01			
19.62	0.95	BB	12257.34	36654.92	Invalid	Invalid	DIBUTYL CHLOR
20.57	1.00	BB	6318.45	21332.67	0.060	0.060	ENDRIN KETONE
TOTAL			76969.39	319702.48	0.450	0.450	

000343

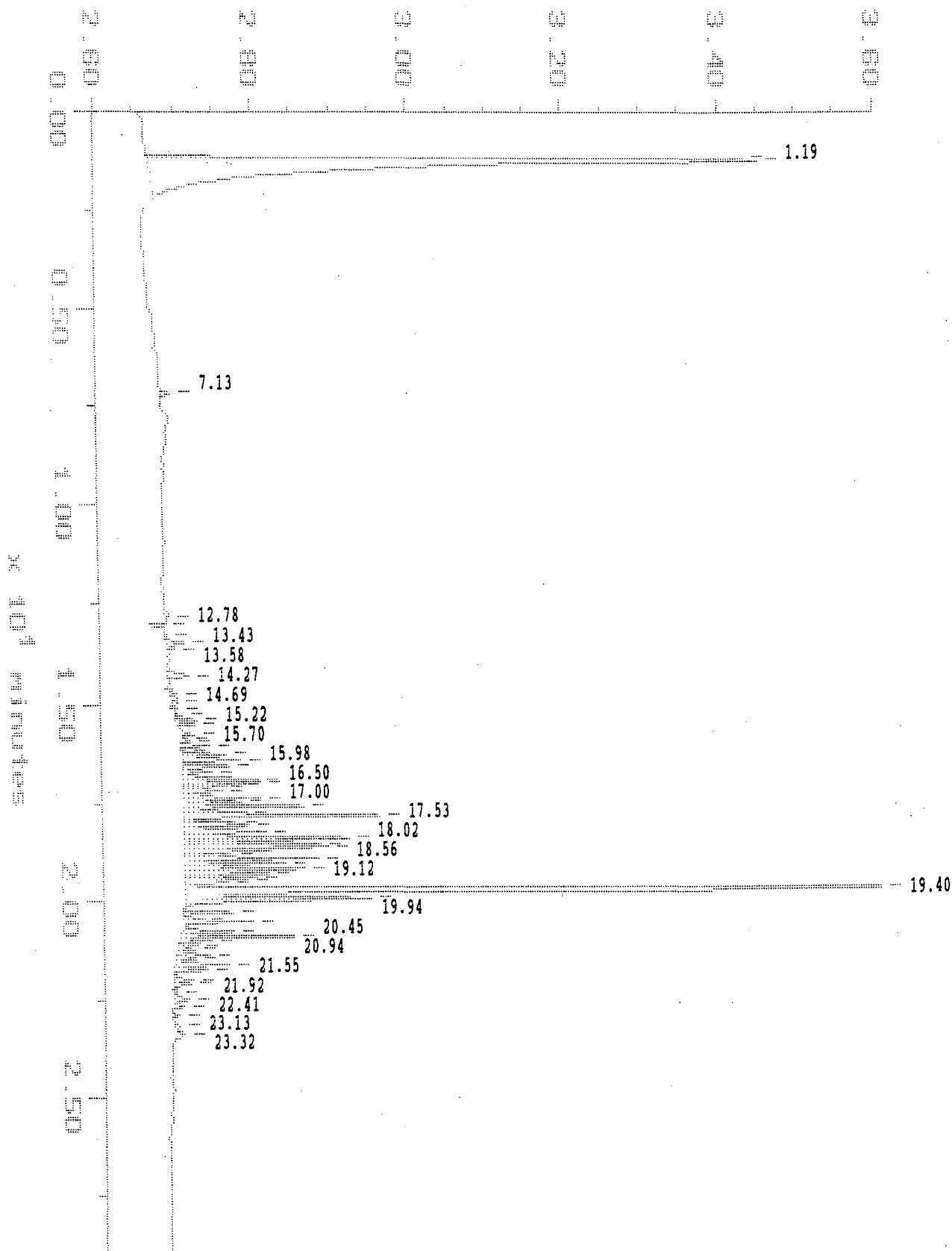
Sample: TOXAPH 1.200ng Channel: ECD 764
Acquired: 05-SEP-90 10:49 Method: C:\MAX\764\AI0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090507

Operator: JWM

JWM

$\times 10^{-2}$ volts



000344

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:32:54

SAMPLE: TOXAPH 1.200ng

#7 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 10:49

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090507

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.12	0.05	BP	7652.52	16461.26			
1.19	0.05	PB	7822.04	120924.06			
7.13	0.31	BB	131.13	615.99			
12.78	0.55	BB	28.97	266.59	0.000	0.000	~~delta-BHC~~
12.99	0.56	BB	183.94	237.43			
13.24	0.57	BB	35.76	82.32			
13.43	0.58	BB	209.21	1058.77	0.002	0.002	~~ALDRIN~~
13.58	0.58	BB	67.00	147.54			
14.27	0.61	BB	259.52	1887.41			
14.69	0.63	BB	88.45	320.89			
14.91	0.64	BB	59.13	159.05			
15.06	0.65	BB	49.23	94.25			
15.22	0.65	BP	99.30	278.02	0.001	0.001	~~gamma-CHLORDANE~~
15.34	0.66	PP	290.39	996.72			
15.44	0.66	PB	241.52	871.95			
15.70	0.67	BP	127.32	387.11			
15.80	0.68	PP	72.72	219.61			
15.88	0.68	PP	110.86	350.35			
15.98	0.69	PP	355.01	1421.04			
16.11	0.69	PP	61.75	146.48			
16.20	0.69	PP	563.14	1926.16	0.005	0.005	~~pp'-DDE~~
16.34	0.70	PP	755.07	3776.16	0.006	0.006	~~DIELDRIN~~
16.50	0.71	PP	592.23	3103.02			
16.65	0.71	PP	367.88	1367.45			
16.82	0.72	PP	970.13	4327.69			
16.90	0.72	PP	996.11	4803.73			
17.00	0.73	PP	560.05	1951.19			
17.06	0.73	PP	502.35	1478.37			
17.13	0.73	PP	504.49	2160.26			
17.32	0.74	PP	986.58	4601.16			
17.42	0.75	PP	745.77	3351.98			
17.53	0.75	PP	1538.99	6630.75			
17.69	0.76	PP	796.56	2874.74			
17.78	0.76	PP	2537.01	13889.19			

000345

AI09050

17.96	0.77	PP	684.02	2216.28			
18.02	0.77	PP	832.80	2786.37			
18.17	0.78	PP	1062.15	6502.06	0.009	0.009	~~PP'-DDT~~
18.33	0.79	PP	2143.86	8985.81	0.026	0.026	~~ENDRIN ALDEHYDE~~
18.40	0.79	PP	1389.74	5203.62			
18.50	0.79	PP	1753.33	5903.45			
18.56	0.80	PP	1841.55	6770.79			
18.66	0.80	PP	1126.29	4656.49	0.010	0.010	~~ENDOSULFAN SULF~~
18.77	0.80	PP	617.98	2054.67			
18.85	0.81	PP	1741.17	8558.51			
18.98	0.81	PP	1312.02	5798.27			
19.12	0.82	PP	1538.28	7574.88			
19.25	0.83	PP	1082.42	4689.06			
19.34	0.83	PP	925.06	2993.67			
19.40	0.83	PP	812.53	4958.08			
19.47	0.83	SS	109.20	259.96			
19.64	0.84	PB	28681.76	104192.63	0.297!!	0.297!!	DIBUTYL CHLOR
19.87	0.85	SV	2034.78	7486.11			
19.94	0.85	VS	1365.54	4753.39			
20.24	0.87	BP	645.64	2285.41			
20.38	0.87	PP	249.27	642.42			
20.45	0.88	PB	859.02	2949.03			
20.71	0.89	BP	666.26	3159.83			
20.84	0.89	PP	1435.64	5600.21			
20.94	0.90	PP	423.67	1420.83			
21.05	0.90	PP	224.59	877.22			
21.17	0.91	PP	207.90	934.87			
21.30	0.91	PP	400.78	1729.34			
21.39	0.92	PP	234.72	979.83			
21.55	0.92	PP	697.02	3126.75			
21.68	0.93	PP	413.78	2030.42			
21.92	0.94	PP	262.38	1192.19			
22.03	0.94	PB	214.22	861.99			
22.22	0.95	BB	42.20	160.65			
22.41	0.96	BB	190.26	1011.58			
22.59	0.97	BB	117.54	590.29			
22.83	0.98	BB	73.43	312.20			
23.13	0.99	BB	59.01	223.54			
23.32	1.00	BB	70.93	254.19			
TOTAL			88904.87	429855.62	0.355!!	0.355!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000346

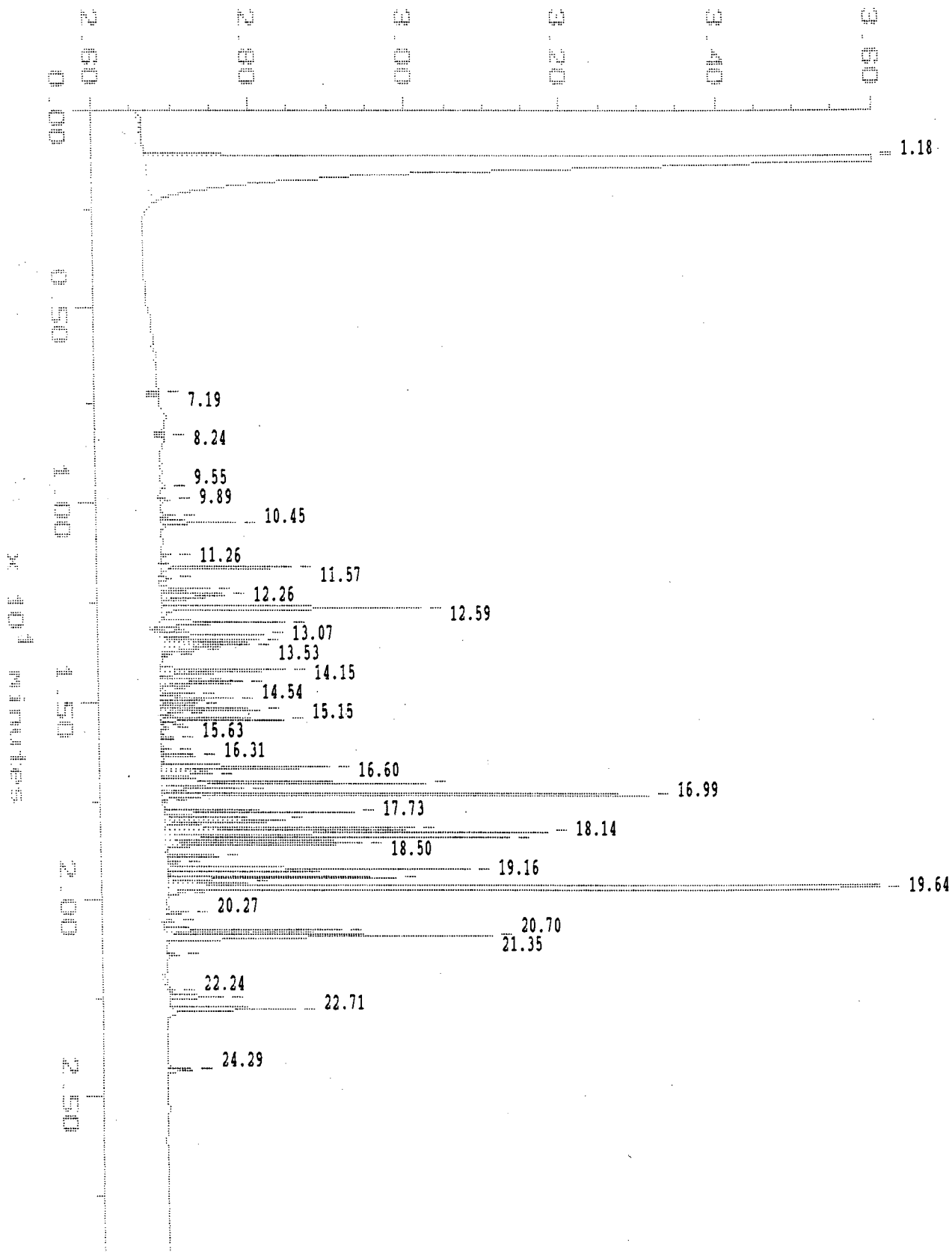
Sample: AR1660 0.600ng
Acquired: 05-SEP-90 11:22
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090508
Operator: JWM

JWM

$\times 10^{-2}$ volts



000347

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 12:10:20

SAMPLE: AR1660 0.600ng

#8 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 11:22

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090508

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs BBE)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.12	0.05	BP	15718.94	30013.60			
1.18	0.05	PB	16780.97	283804.25			
7.19	0.30	BB	147.46	158.75			
8.24	0.34	BB	133.28	154.61			
9.55	0.39	BB	44.11	144.27			
9.89	0.41	BB	142.93	516.70			
10.28	0.42	BB	203.37	713.33			
10.45	0.43	BB	944.73	3481.44			
11.26	0.46	BB	111.70	349.08			
11.57	0.48	BB	1664.40	6280.61			
11.85	0.49	BB	152.23	589.89	0.003	0.003	~~BETA-BHC~~
12.11	0.50	BP	625.97	1996.49			
12.26	0.50	PP	805.62	3763.90			
12.38	0.51	PB	296.95	937.35			
12.59	0.52	BB	3311.52	14902.96	0.026	0.026	~~HEPTACHLOR~~
12.96	0.53	BB	1590.97	6684.78			
13.07	0.54	SS	75.10	142.71			
13.16	0.54	BB	128.51	138.29			
13.27	0.55	BB	1319.89	3966.32			
13.42	0.55	BP	1194.83	3972.09	0.009	0.009	~~ALDRIN~~
13.53	0.56	PP	1092.43	5478.63			
13.59	0.56	SS	119.92	208.12			
13.66	0.56	PB	430.82	1310.43			
13.77	0.57	BB	107.05	294.69			
14.15	0.58	BP	1596.93	5827.31			
14.24	0.59	PP	662.92	2194.32			
14.39	0.59	PP	520.11	1381.48			
14.46	0.60	PP	1036.05	3165.17			
14.54	0.60	PB	340.34	945.19			
14.66	0.60	BP	45.66	119.70			
14.75	0.61	PP	421.76	1280.40			
14.87	0.61	PP	914.81	3184.00			
15.01	0.62	PP	457.05	1373.66			
15.15	0.62	PP	1263.38	3860.61			

000348

AI 090508

15.24	0.63	PP	281.33	809.96	0.002	0.002	~~gamma-CHLORDANE~~
15.40	0.63	PB	1582.15	4974.42			
15.56	0.64	BP	46.61	117.77			
15.63	0.64	PB	99.90	308.29	0.001	0.001	~~alpha-CHLORDANE~~
15.88	0.65	BB	150.68	434.54			
16.15	0.67	BB	104.31	309.76	0.001	0.001	~~pp'-DDE~~
16.31	0.67	BB	411.27	1209.04			
16.60	0.68	BP	2141.12	8778.23			
16.69	0.69	PP	591.52	1779.91			
16.77	0.69	PP	658.04	2862.57			
16.99	0.70	PP	3392.58	12589.64			
17.13	0.71	PP	1037.24	3011.93			
17.29	0.71	PB	6271.24	18953.55			
17.49	0.72	SS	57.94	155.16	0.001	0.001	~~pp'-DDD~~
17.73	0.73	BP	2422.45	6893.36			
17.91	0.74	PP	1500.85	4448.96			
17.96	0.74	PP	1282.81	3772.17			
18.14	0.75	PP	3195.64	11771.16	0.026	0.026	~~pp'-DDT~~
18.23	0.75	PP	4901.41	15685.65			
18.37	0.76	PP	4414.92	12681.68			
18.50	0.76	PB	2511.26	8124.52			
18.58	0.77	SS	133.04	287.10			
18.82	0.78	BB	666.02	1928.09			
19.00	0.78	BP	165.46	569.88			
19.16	0.79	PB	3860.83	15405.42			
19.38	0.80	BP	2920.39	11203.03			
19.51	0.80	PP	1034.74	3180.73			
19.64	0.81	PB	30424.36	112851.63	0.315!!	0.315!!	DIBUTYL CHLOR
19.78	0.81	SS	128.39	328.23			
20.27	0.83	BB	267.15	898.05			
20.49	0.84	BB	108.36	331.90			
20.70	0.85	BP	2264.14	9240.98			
20.86	0.86	PB	4168.03	19895.52			
21.35	0.88	BB	138.64	516.56			
22.24	0.92	BB	68.55	525.28			
22.41	0.92	BB	696.54	2887.89			
22.71	0.93	BB	1565.93	6752.14			
24.29	1.00	BB	309.59	1503.20			
TOTAL			140378.13	701313.03	0.384!!	0.384!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

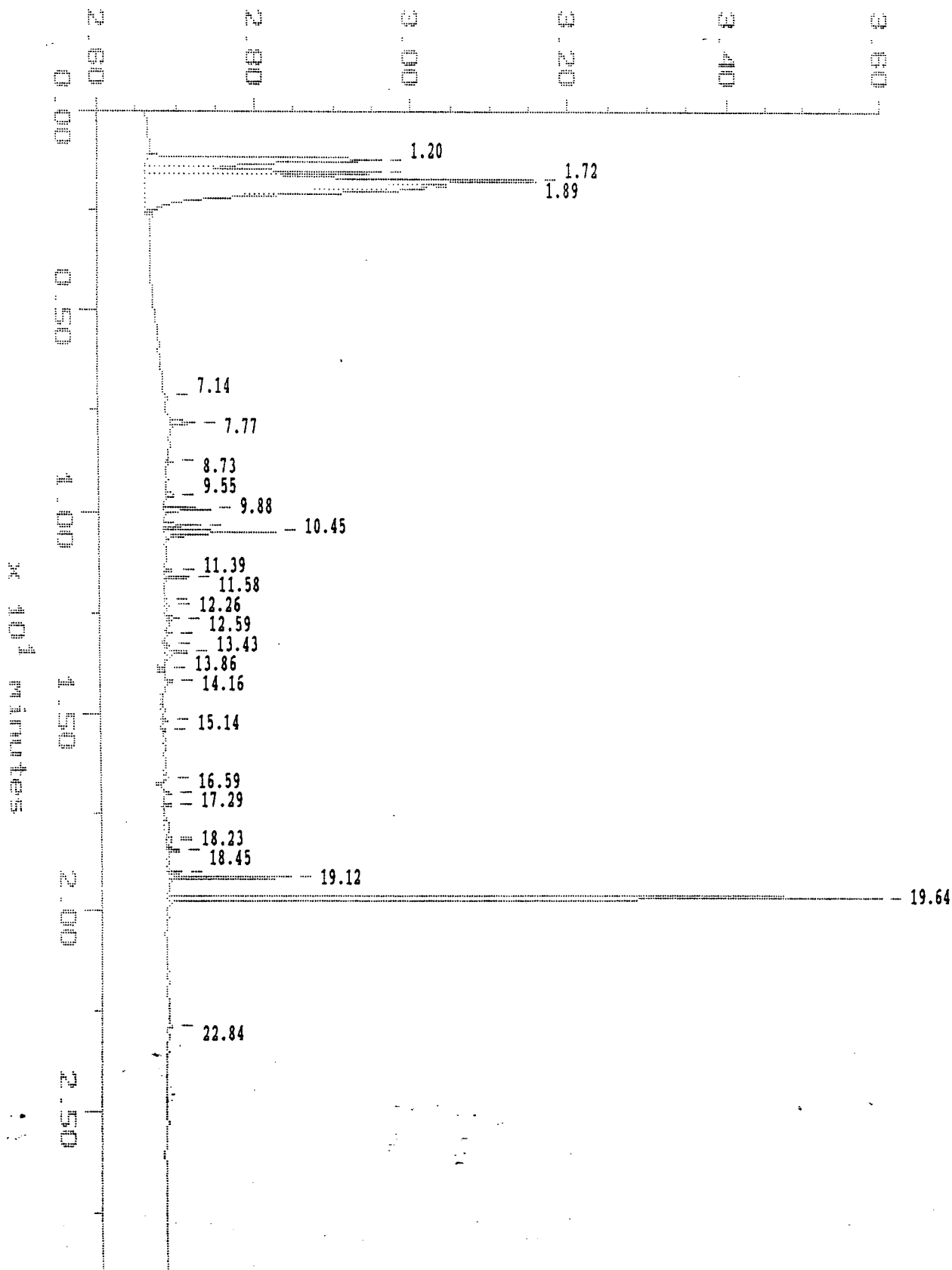
000349

Sample: AR1221 0.750ng Channel: ECD 764
Acquired: 05-SEP-90 11:54 Method: C:\MAX\764\AI0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090509

Operator: JWH

$\times 10^{-2}$ volts



000350

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:36:03

SAMPLE: AR1221 0.750ng

#9 in Method: CLP.PESTAN/GC6081A:RTX-35

Acquired: 5-SEP-1990 11:54

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090509

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.20	0.05	BP	2972.01	35129.70			
1.52	0.07	PP	3005.98	20869.38			
1.72	0.08	PB	4947.07	102383.18			
1.89	0.08	SS	409.84	5780.92			
7.14	0.31	BB	35.05	100.22			
7.77	0.34	BB	293.25	1435.32			
8.73	0.38	BB	83.80	312.42			
9.55	0.42	BB	113.25	691.03			
9.88	0.43	BB	572.56	2197.65			
10.27	0.45	BP	443.70	1545.15			
10.45	0.46	PB	1381.76	5124.73			
10.56	0.46	SS	164.27	467.37			
11.39	0.50	BB	103.00	361.64			
11.58	0.51	BB	300.29	1060.42			
12.11	0.53	BB	27.66	67.70			
12.26	0.54	BB	47.92	202.25			
12.59	0.55	BB	172.26	650.58	0.001	0.001	HEPTACHLOR
12.96	0.57	BB	74.15	190.45			
13.26	0.58	BB	64.61	175.04			
13.43	0.59	BB	275.37	1410.56	0.002	0.002	ALDRIN
13.86	0.61	BB	84.16	246.15			
14.16	0.62	BB	58.05	193.25			
15.14	0.66	BB	42.08	587.28			
15.40	0.67	BB	53.29	138.38			
16.59	0.73	BB	48.04	197.18			
16.99	0.74	BB	77.25	188.24			
17.29	0.76	BB	114.80	378.60			
18.13	0.79	BP	61.99	1016.22			
18.23	0.80	PB	70.33	231.64			
18.45	0.81	BB	143.65	721.48			
19.00	0.83	BP	165.10	629.42			
19.12	0.84	PB	1530.41	4607.17			
19.64	0.86	BB	23586.63	69572.39	0.245!!	0.245!!	DIBUTYL CHLOR
22.84	1.00	BB	49.71	174.31			

000351

AI090509

TOTAL

41573.29

259037.42

0.248!!

0.248!!

!! Result calculation based on peak response more than 10% outside of calibration range.

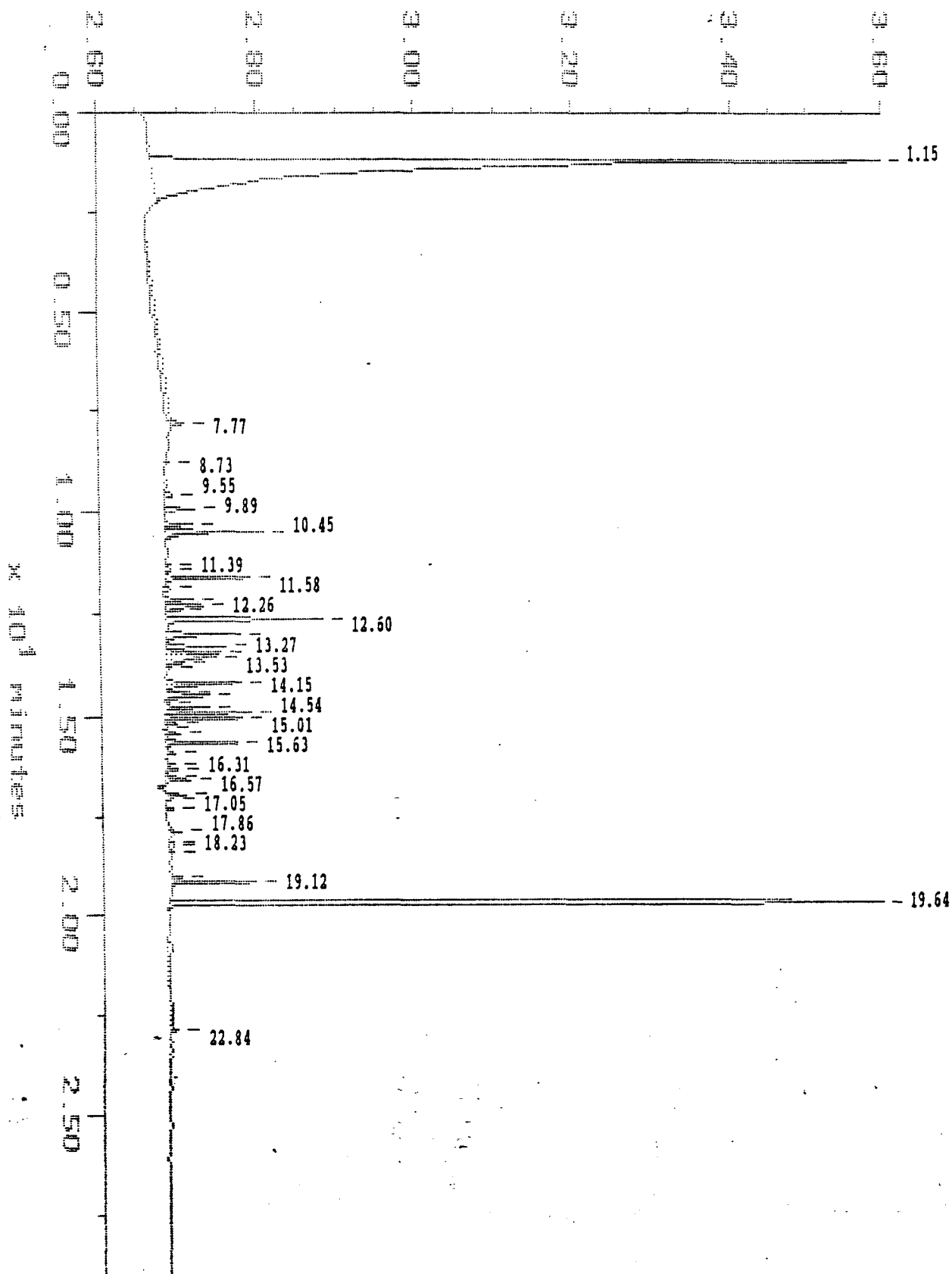
000352

Sample: AR1232 0.750ng
Acquired: 05-SEP-90 12:28
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12S07A

Filename: AI090510
Operator: JWH *JWH*

$\times 10^{-2}$ volts



MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 13:36:04

SAMPLE: AR1232 0.750ng

#10 in Method: CLP.PBSTAN/GC6081A:RTX-35

Acquired: 5-SEP-1990 12:28

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI096510

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.15	0.05	BB	9352.57	155867.53			
7.77	0.34	BB	166.18	-10072.33			
8.73	0.38	BB	46.01	176.39			
9.55	0.42	BB	88.57	491.20			
9.89	0.43	BB	363.59	1392.85			
10.28	0.45	BP	325.56	1165.37			
10.45	0.46	PB	1227.50	4536.66			
10.57	0.46	SS	86.31	231.94			
11.26	0.49	BB	58.53	177.16			
11.39	0.50	BB	59.60	195.62			
11.58	0.51	BB	1052.02	3947.82			
11.85	0.52	BB	82.61	310.29	0.002	0.002	beta-BHC
12.12	0.53	BP	361.56	1152.52			
12.26	0.54	PP	472.43	2218.33			
12.38	0.54	PP	182.99	609.54			
12.60	0.55	PB	1945.38	8439.97	0.015	0.015	HEPTACHLOR
12.96	0.57	BB	916.48	3601.80			
13.27	0.58	BP	743.75	2309.92			
13.42	0.59	PP	683.78	2570.06	0.005	0.005	ALDRIN
13.53	0.59	PP	614.64	3227.27			
13.66	0.60	PP	213.62	663.04			
13.78	0.60	PB	56.51	146.92			
14.15	0.62	BP	919.58	3426.06			
14.24	0.62	PB	366.45	1201.82			
14.40	0.63	BP	270.96	677.24			
14.46	0.63	PP	530.96	1588.49			
14.54	0.64	PB	144.48	366.70			
14.66	0.64	BP	42.20	115.54			
14.75	0.65	PP	526.67	1582.47			
14.88	0.65	PP	1057.51	3471.80			
15.01	0.66	PP	927.89	2786.96			
15.15	0.66	PP	153.06	494.12			
15.24	0.67	PP	49.23	136.40	0.000	0.000	gamma-CHLORDANE
15.40	0.67	PB	177.38	710.28			

000354

AI090510

15.63	0.68	BB	888.59	3170.55	0.007	0.007	~~alpha~~ -CHLORDANE
15.88	0.70	BB	87.02	265.00			
16.15	0.71	BB	95.01	278.42	0.001	0.001	~~pp'~~ -DDE
16.31	0.71	BB	136.38	370.08			
16.45	0.72	BP	99.06	281.20			
16.57	0.73	PB	294.33	1119.74			
16.93	0.74	BB	197.05	549.80			
17.05	0.75	BB	48.16	101.06			
17.29	0.76	BB	88.10	257.13			
17.86	0.78	BB	121.24	248.36			
18.14	0.79	BP	49.71	160.53	0.000	0.000	~~pp'~~ -DDT 
18.23	0.80	PB	72.00	211.37			
18.37	0.80	BB	45.42	125.57			
19.00	0.83	BP	145.20	517.30			
19.12	0.84	PB	1050.00	3258.30			
19.64	0.86	BB	27270.32	80443.93	0.283!!	0.283!!	DISUTYL CHLOR
22.84	1.00	BB	67.71	1712.89			
TOTAL			55021.05	313133.65	0.313!!	0.313!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000355

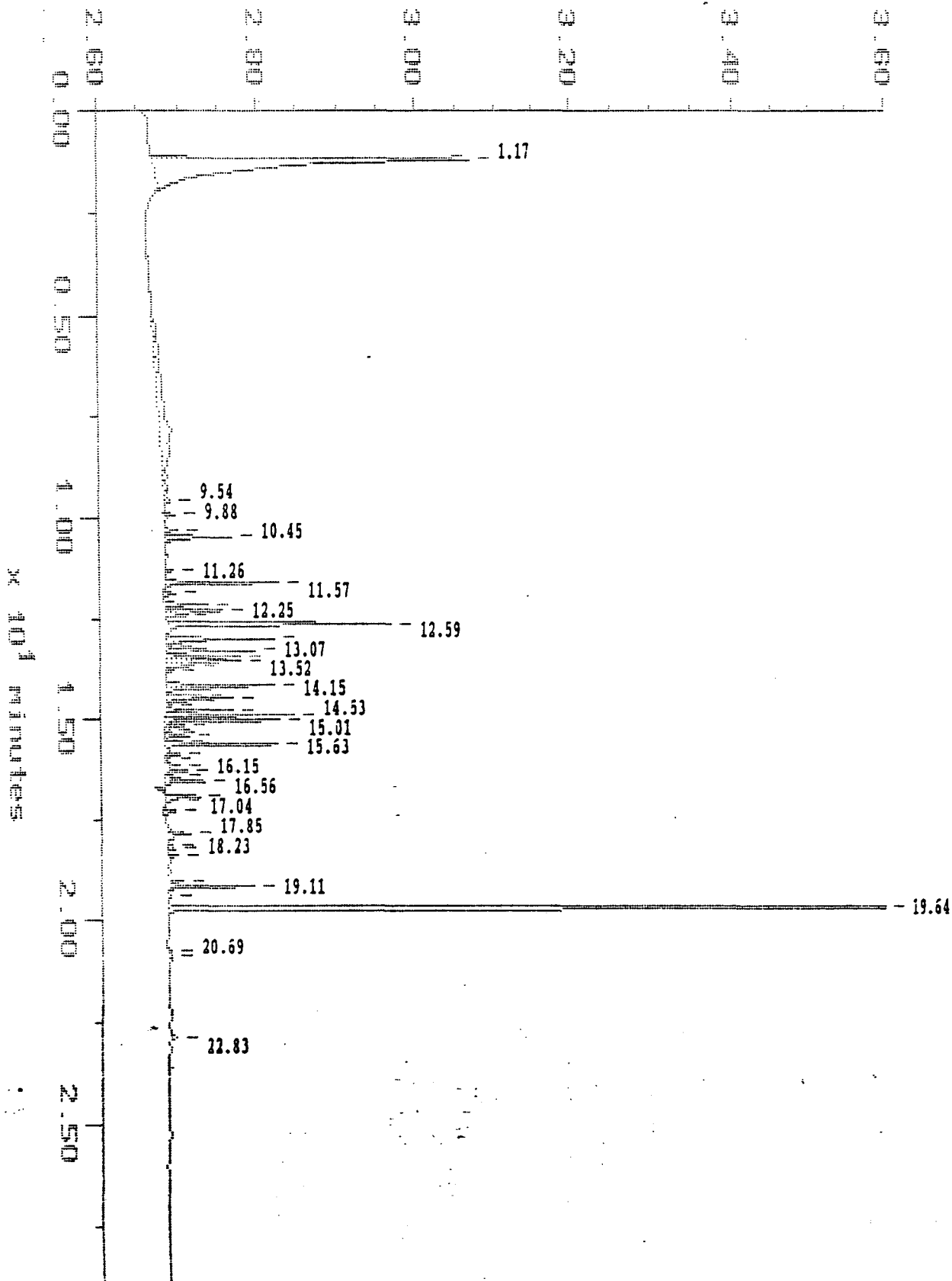
Sample: AR1242 0.600ng
Acquired: 05-SEP-90 13:01
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
MetMod: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090511
Operator: JWH

JWH

$\times 10^{-2}$ volts



000356

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 13:37:29

SAMPLE: AR1242 0.600ng

#11 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 13:01

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: A1090511

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.12	0.05	BP	3651.86	7995.93			
1.17	0.05	PB	3992.32	51360.58			
9.54	0.42	BB	62.47	16882.60			
9.88	0.43	BB	118.02	425.31			
10.27	0.45	BB	168.20	577.65			
10.45	0.46	BB	803.11	2706.93			
11.26	0.49	BB	98.23	712.89			
11.57	0.51	BB	1429.56	5430.35			
11.85	0.52	BB	126.24	478.15	0.002	0.002	~~beta-BHC~~
12.11	0.53	BP	532.87	1733.94			
12.25	0.54	PP	701.90	3269.52			
12.38	0.54	PB	255.70	842.27			
12.59	0.55	BB	2819.18	12296.14	0.022	0.022	~~HEPTACHLOR~~
12.96	0.57	BP	1347.30	5284.03			
13.07	0.57	SS	52.45	104.08			
13.18	0.58	PP	48.76	114.07			
13.26	0.58	PP	1089.69	3348.00			
13.41	0.59	PP	910.40	3126.63	0.007	0.007	~~ALDRIN~~
13.52	0.59	PP	905.39	4635.90			
13.58	0.59	SS	91.67	180.99			
13.66	0.60	PP	336.77	1009.28			
13.77	0.60	PB	89.29	235.80			
14.15	0.62	BP	1347.66	4966.76			
14.23	0.62	PP	553.37	1839.63			
14.39	0.63	PP	417.59	1058.38			
14.45	0.63	PP	822.42	2503.01			
14.53	0.64	PB	248.31	653.80			
14.66	0.64	BP	63.66	161.49			
14.75	0.65	PP	824.57	2500.34			
14.87	0.65	PP	1603.84	5307.57			
15.01	0.66	PP	1441.24	4474.29			
15.14	0.66	PP	251.05	823.02			
15.24	0.67	PP	75.70	221.66	0.001	0.001	~~gamma-CHLORDANE~~
15.33	0.67	PP	120.04	277.43			

000357

AI090511

15.39	0.67	PB	299.69	977.17			
15.55	0.68	BP	198.25	446.88			
15.63	0.68	PB	1383.54	4614.29	0.011	0.011	~~alpha-CHLORDANE~~
15.87	0.70	BP	158.43	652.81			
16.00	0.70	PB	41.37	113.74			
16.15	0.71	BB	162.96	453.38	0.001	0.001	~~pp'-DDE~~
16.30	0.71	BB	232.82	626.61			
16.45	0.72	BP	171.90	480.73			
16.56	0.73	PB	479.58	1821.98			
16.93	0.74	BP	447.39	1704.66			
17.04	0.75	PB	146.39	426.40			
17.28	0.76	BB	132.92	507.53			
17.85	0.78	BB	246.88	618.55			
18.13	0.79	BP	69.02	280.87			
18.23	0.80	PB	93.94	283.86			
18.36	0.80	BB	110.98	308.73			
18.99	0.83	BP	151.40	545.88			
19.11	0.84	PB	1047.02	3379.15			
19.37	0.85	BB	40.17	134.79			
19.64	0.86	BB	27593.97	82181.98	0.286!!	0.286!!	DIBUTYL CHLOR
20.69	0.91	BB	55.19	192.55			
20.85	0.91	BB	33.86	96.92			
22.83	1.00	BB	63.18	246.18			
TOTAL			60761.70	248638.05	0.330!!	0.330!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000358

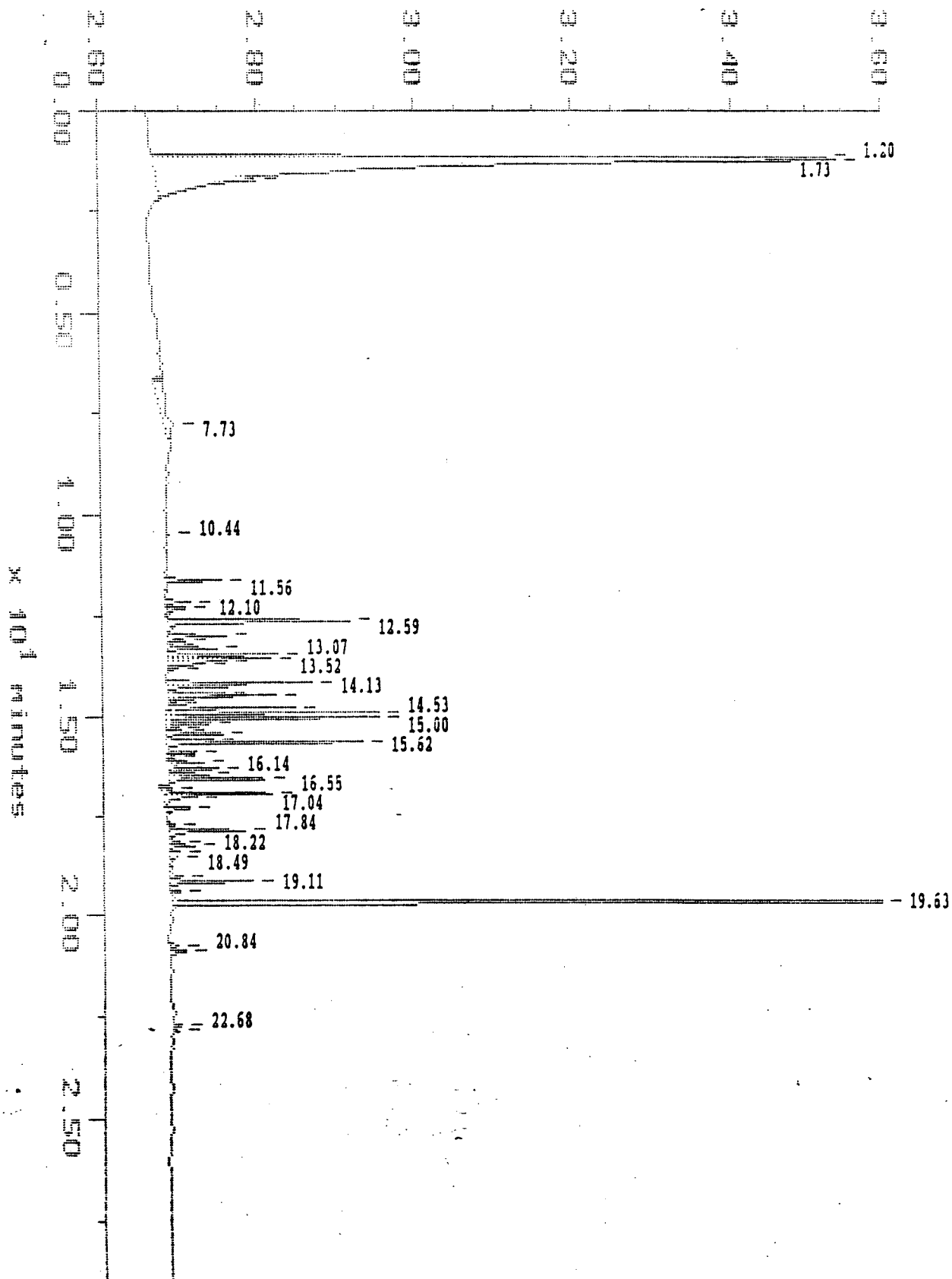
Sample: AR1248 0.600ng
Acquired: 05-SEP-90 13:33
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090512
Operator: JWM

JWM

$\times 10^{-2}$ volts



000359

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 14:41:32

SAMPLE: AR1248 0.600ng

#12 in Method: CLP.PESTAN/GC6081A:RTX-35

Acquired: 5-SEP-1990 13:33

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: A1090512

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.11	0.05	BP	8610.13	17291.00			
1.20	0.05	PB	8729.34	146777.30			
1.73	0.08	SS	305.06	1236.31			
7.73	0.34	BB	91.79	6201.70			
10.44	0.46	BB	45.66	137.39			
11.56	0.51	BB	701.07	2607.42			
12.10	0.53	BP	303.39	1110.83			
12.25	0.54	PB	243.31	1023.02			
12.59	0.55	BB	2298.12	10093.12	0.018	0.018	HEPTACHLOR
12.95	0.57	BP	726.82	2376.07			
13.07	0.57	PP	199.79	609.24			
13.17	0.58	PP	66.52	161.21			
13.26	0.58	PP	608.21	1866.61			
13.41	0.59	PP	1384.02	4734.27	0.010	0.010	ALDRIN
13.52	0.59	PP	1296.04	5006.79			
13.58	0.60	PP	731.23	2076.24			
13.66	0.60	PP	468.25	1495.15			
13.77	0.60	PB	117.30	341.28			
14.13	0.62	BP	1814.25	6252.51			
14.23	0.62	PP	756.50	2558.01			
14.38	0.63	PP	709.30	1982.85			
14.45	0.63	PP	1352.55	4115.78			
14.53	0.64	PP	329.73	907.07			
14.66	0.64	PP	116.11	299.96			
14.74	0.65	PP	1600.38	4969.25			
14.87	0.65	PP	2695.56	8935.54			
15.00	0.66	PP	2683.64	8371.89			
15.14	0.66	PP	532.63	1686.37			
15.23	0.67	PP	142.46	398.51	0.001	0.001	gamma-CHLORDANE
15.32	0.67	PP	198.60	471.47			
15.39	0.67	PP	697.85	2287.30			
15.55	0.68	PP	583.29	1439.81			
15.62	0.68	PB	2855.12	8240.16	0.020	0.020	alpha-CHLORDANE
15.86	0.70	BP	345.71	1124.47			

000360

AI090512

15.99	0.70	PB	91.08	259.79		
16.14	0.71	BB	404.83	1169.67		
16.30	0.71	BP	556.71	1495.20		
16.44	0.72	PP	484.47	1382.59		
16.55	0.73	PB	1186.01	4101.81		
16.80	0.74	BP	127.20	463.43		
16.92	0.74	PP	1341.70	4771.75		
17.04	0.75	PB	348.09	1015.29		
17.28	0.76	BB	297.78	1153.16		
17.72	0.78	BP	76.53	208.69		
17.84	0.78	PB	958.32	3425.03		
18.13	0.79	BP	127.43	436.63		
18.22	0.80	PP	310.90	934.14		
18.36	0.80	PP	124.57	373.53		
18.49	0.81	PB	80.59	368.70		
18.98	0.83	BP	142.81	572.14		
19.11	0.84	PB	1021.27	3591.03		
19.37	0.85	BB	114.20	417.36		
19.63	0.86	BB	27386.19	81394.02	0.284!!	0.284!!
20.69	0.91	BB	89.76	355.71		
20.84	0.91	BB	157.36	526.45		
22.68	0.99	BB	100.61	383.30		
22.82	1.00	BB	57.58	212.90		
TOTAL			79525.72	368198.21	0.333!!	0.333!!

DIBUTYL CHLOR

!! Result calculation based on peak response more than 10% outside of calibration range.

000361

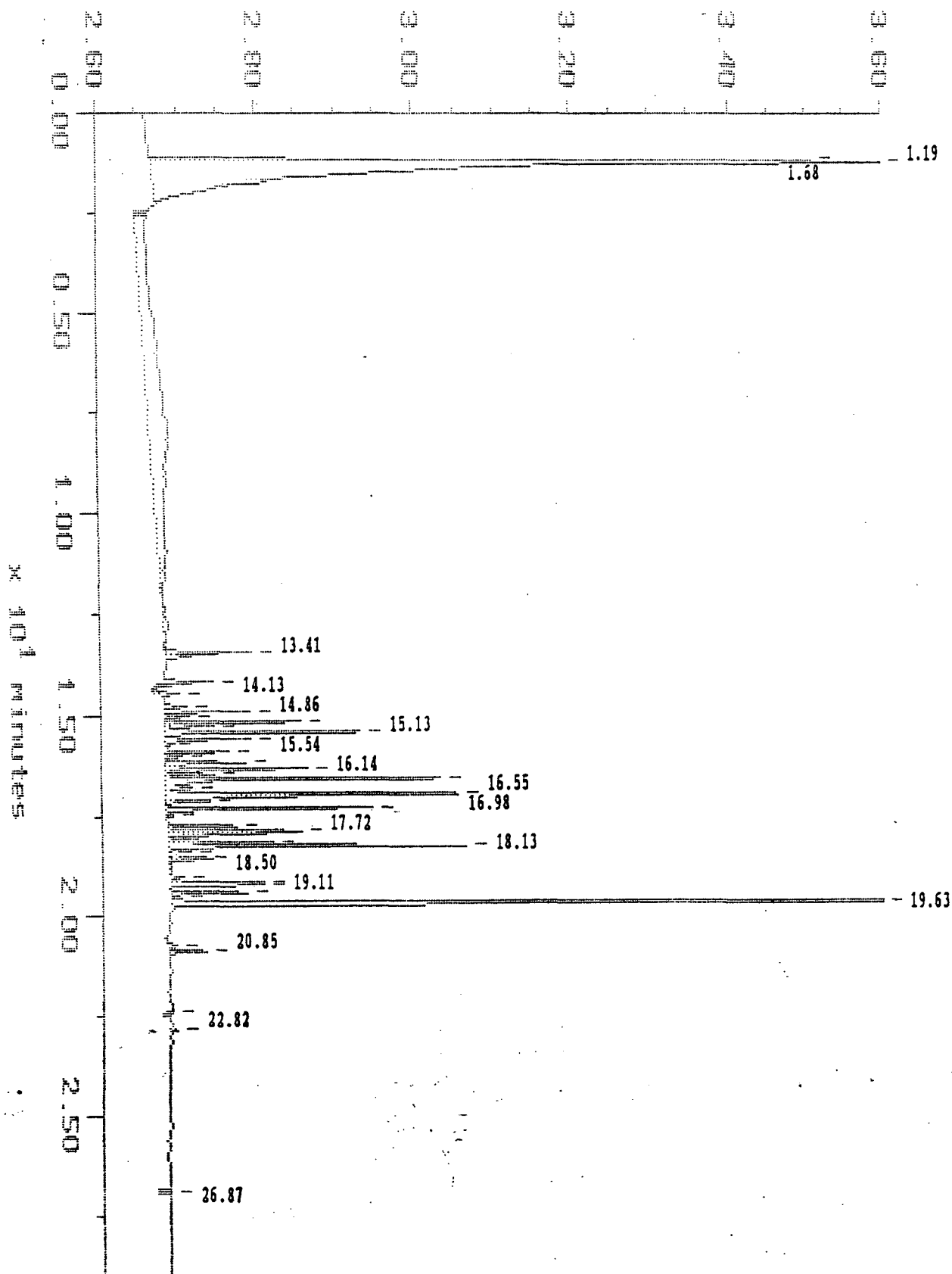
Sample: AR1254 0.450ng
Acquired: 05-SEP-90 14:06
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905NA
Inj Vol: 3.00
RP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090513
Operator: JWM

JWM

$\times 10^{-2}$ volts



000362

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 14:42:57

SAMPLE: AR1254 0.450ng
 #13 in Method: CLP.PESTAN/GC608IA:RTX-35
 Acquired: 5-SEP-1990 14:06
 Rate: 3.0 points/sec
 Duration: 29.198 minutes
 Operator: JWN

Type: UNKN
 Instrument: HP764
 Filename: AI090513
 Index: Disk
 Injection Volume: 3.0
 Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DEC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.12	0.04	BP	8382.56	16830.68			
1.19	0.04	PB	9504.32	148389.19			
1.68	0.06	SS	159.14	872.39			
13.41	0.50	BP	1073.12	82673.68	0.008	0.008	ALDRIN
13.51	0.50	PB	313.16	1239.97			
14.13	0.53	BP	655.17	2320.31			
14.23	0.53	PB	173.81	239.31			
14.44	0.54	BB	277.28	1117.21			
14.74	0.55	BP	260.95	817.11			
14.86	0.55	PP	1072.41	3452.80			
15.00	0.56	PP	332.36	1016.10			
15.13	0.56	PP	1723.77	5223.66			
15.23	0.57	PP	633.36	1867.95	0.005	0.005	gamma-CHLORDANE
15.38	0.57	PP	2491.83	8653.34			
15.54	0.58	PB	1068.00	3844.29			
15.69	0.58	SS	36.48	83.47	0.000	0.000	ENDOSULFAN-I
15.86	0.59	BP	783.09	2440.26			
15.99	0.59	PP	213.38	667.37			
16.14	0.60	PP	1004.22	3837.35			
16.29	0.61	PP	1828.19	5708.19			
16.44	0.61	PP	608.21	1856.70			
16.55	0.62	PP	3499.27	13484.60			
16.66	0.62	SS	112.77	265.64			
16.78	0.62	SS	267.74	982.48			
16.92	0.63	PP	3704.55	17675.30			
16.98	0.63	SS	388.38	709.19			
17.12	0.64	SS	468.97	1214.59			
17.28	0.64	PB	2631.43	8919.85			
17.47	0.65	SS	87.98	273.73	0.001	0.001	pp-DDD
17.72	0.66	BP	844.36	2392.86			
17.84	0.66	PP	1587.29	4679.31			
17.89	0.67	PP	1266.00	4659.35			
17.96	0.67	SS	144.60	308.98			
18.13	0.67	PP	1318.69	4805.09			

000363

AI090513

18.22	0.68	PB	3757.00	11639.39			
18.36	0.68	SV	246.05	725.86			
18.50	0.69	VV	444.41	1595.96			
18.57	0.69	VS	283.36	918.64			
18.98	0.71	BP	162.36	792.50			
19.11	0.71	PP	1181.96	3367.69			
19.17	0.71	PB	1187.92	4005.39			
19.38	0.72	BP	948.31	3191.60			
19.50	0.73	PP	105.14	284.52			
19.63	0.73	PB	30058.03	91366.93	0.312!!	0.312!!	DIBUTYL CHLOR
20.70	0.77	BP	123.98	627.90			
20.85	0.78	PB	448.35	1684.60			
22.39	0.83	BB	97.75	120.47			
22.82	0.85	BB	74.15	295.13			
26.87	1.00	BB	158.31	182.62			
TOTAL			88233.92	474321.48	0.326!!	0.326!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

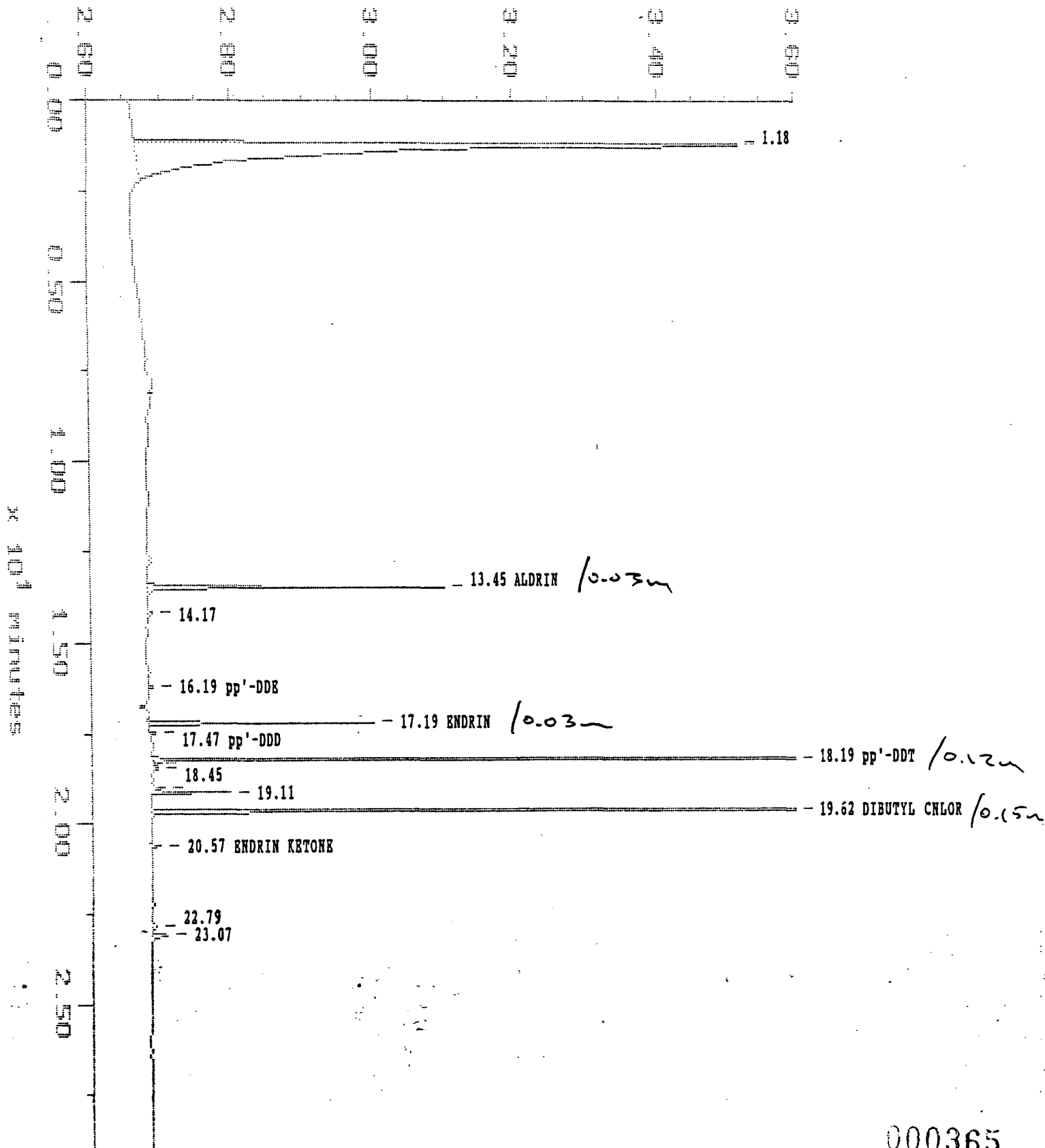
000364

Sample: EVAL B Channel: ECD 764
Acquired: 05-SEP-90 18:30 Methqd: C:\MAX\764\AI0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filenaae: AI090521

Operator: JWM

$\times 10^{-2}$ volts



000365

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:26:04

SAMPLE: EVAL B

#21 in Method: CLP.PESTAN/GC608IA:RTX-35
 Acquired: 5-SEP-1990 18:30
 Rate: 3.0 points/sec
 Duration: 29.198 minutes
 Operator: JWM

Type: UNKN
 Instrument: HP764
 Filename: AIG90521
 Index: Disk
 Injection Volume: 3.0
 Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.12	0.05	BP	8511.90	16893.86			
1.18	0.05	PB	8507.73	137333.05			
13.45	0.58	BB	4185.56	12944.37	0.031!	0.031!	ALDRIN
14.17	0.61	BB	62.70	436.25			
16.19	0.70	BB	52.21	150.05	0.000	0.000	pp'-DDE
17.19	0.75	BB	3165.48	8558.37	0.034!!	0.034!!	ENDRIN
17.47	0.76	BB	73.91	268.85	0.001	0.001	pp'-DDD
18.19	0.79	BP	15055.42	38691.21	0.124!	0.124!	pp'-DDT
18.33	0.79	PB	52.93	145.13	0.001	0.001	ENDRIN ALDEHYDE
18.45	0.80	BB	61.39	168.11			
18.98	0.82	BP	150.56	526.13			
19.11	0.83	PB	1086.00	3255.82			
19.62	0.85	BB	15107.99	44933.79	0.157!	0.157!	DIBUTYL CHLOR
20.57	0.89	BB	126.00	439.20	0.001	0.001	ENDRIN KETONE
22.79	0.99	BB	65.21	321.71			
23.07	1.00	BB	213.74	1008.48			
TOTAL			56478.75	266074.39	0.349!!	0.349!!	

!! Result calculation based on peak response more than 10% outside of calibration range.
 ! Result calculation based on peak response ratio outside of calibration range.

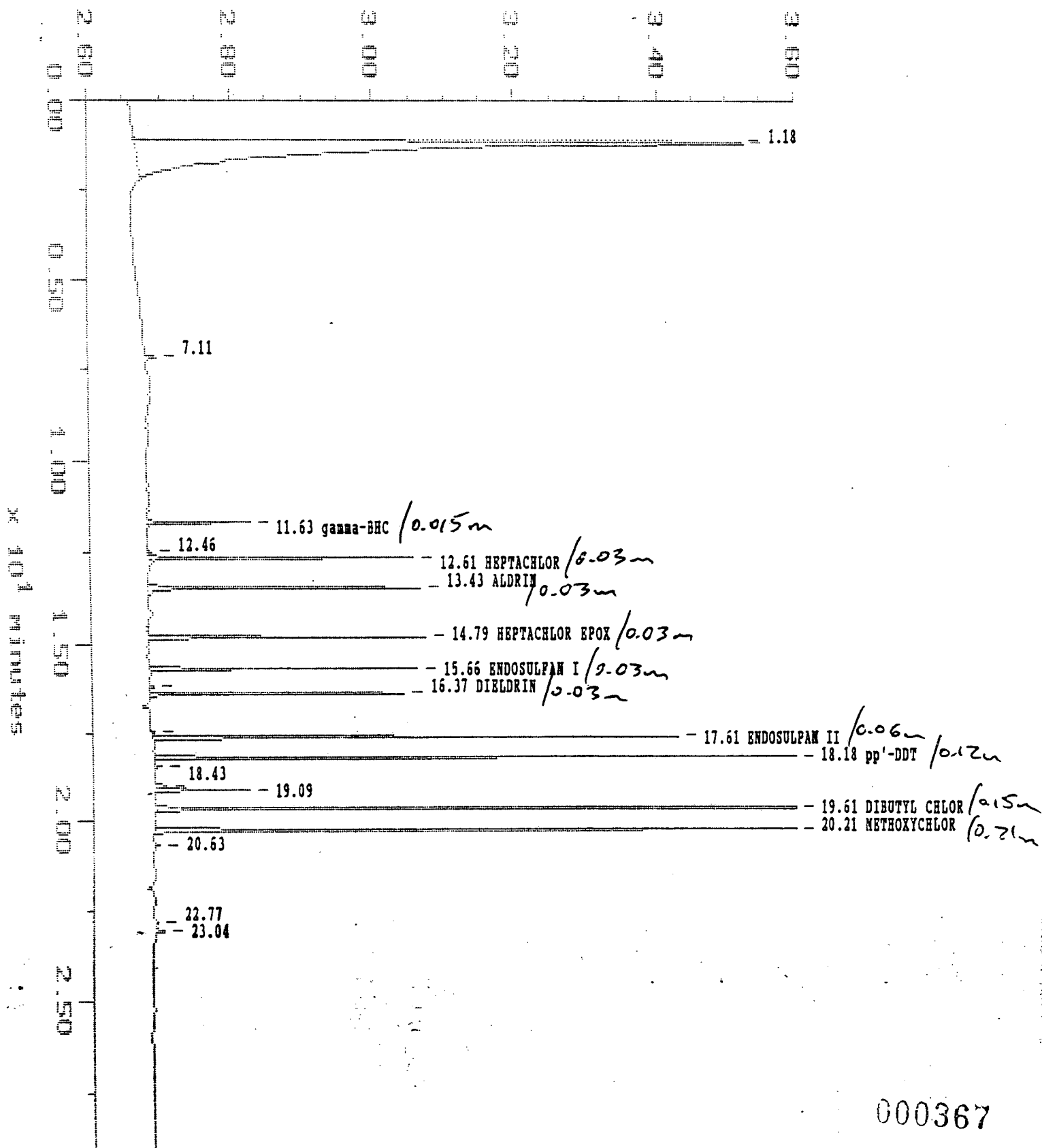
000366

Sample: IND A 50%
Acquired: 05-SEP-90 22:21
Dilution: 1 : 1.000
Comments: AQUATEC, INC.

Channel: ECD 764
Method: C:\MAX\764\AI0905MA
Inj Vol: 3.00
HP764 ECD RTX-35 ID# 10424-12807A

File Name: AI090528
Operator: JWH

$\times 10^{-2}$ volts



000367

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:30:16

SAMPLE: IND A 50%

#28 in Method: CLP.PESTAN/GC608IA:RTX-35

Acquired: 5-SEP-1990 22:21

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090528

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.11	0.05	BP	8586.53	16076.97			
1.18	0.05	PB	8598.69	143190.52			
7.11	0.31	BB	133.40	608.97			
11.63	0.50	BB	1437.07	4101.89	0.014	0.014	gamma-BHC
12.46	0.54	BB	41.72	106.73			
12.61	0.55	BB	3706.34	10759.97	0.029	0.029	HEPTACHLOR
13.43	0.58	BB	3825.78	12228.76	0.028	0.028	ALDRIN
14.79	0.64	BB	3902.20	10875.65	0.029	0.029	HEPTACHLOR EPOX
15.66	0.68	BB	3762.13	10412.48	0.028	0.028	ENDOSULFAN I
16.18	0.70	BB	47.09	115.22	0.000	0.000	pp'-DDT
16.37	0.71	BB	3578.78	9623.17	0.028	0.028	DIELDRIN
17.47	0.76	BB	56.86	211.41	0.001	0.001	pp'-DDT <i>mw</i>
17.61	0.76	BB	7428.05	20203.76	0.057	0.057	ENDOSULFAN II
18.18	0.79	BB	13498.43	34864.25	0.111	0.111	pp'-DDT
18.43	0.80	BB	86.19	252.09			
18.97	0.82	BP	161.29	617.30			
19.09	0.83	PB	1317.86	3939.94			
19.61	0.85	BB	13355.14	39688.07	0.138	0.138	DIBUTYL CBOR
20.21	0.88	BB	11144.64	35997.48	0.193	0.193	METHOXYCHLOR
20.63	0.90	BB	63.66	202.18			
22.77	0.99	BB	42.32	176.28			
23.04	1.00	BB	133.87	606.66			
TOTAL			84908.02	354859.75	0.657	0.657	

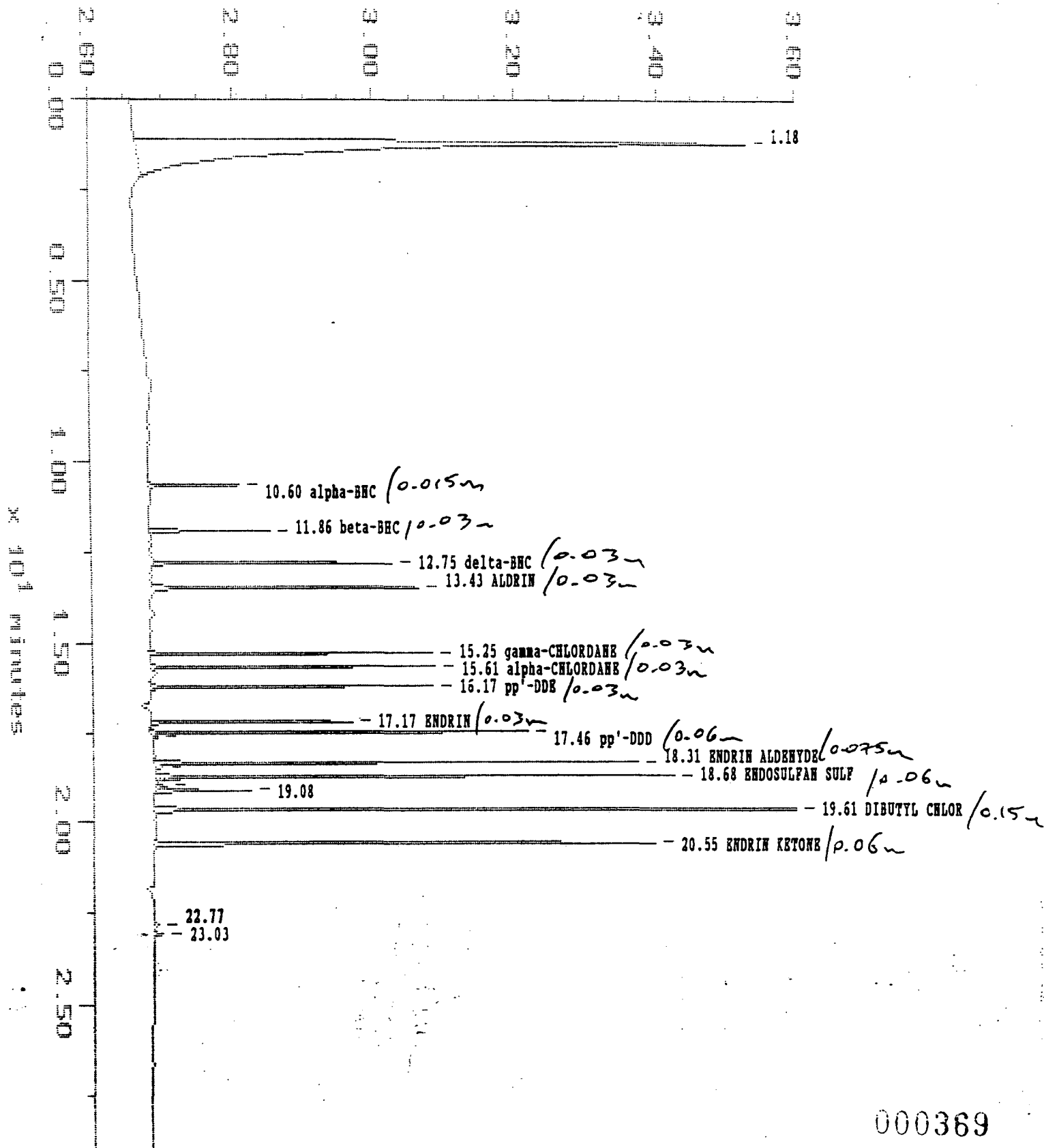
000368

Sample: IND B 504
 Acquired: 06-SEP-90 4:56
 Dilution: 1 : 1.000
 Comments: AQUATEC, INC.

Channel: ECD 764
 Method: C:\MAX\764\AI0905MA
 Inj Vol: 3.00
 HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090540
 Operator: JWM

$\times 10^{-2}$ volts



000369

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:39:14

SAMPLE: IND B 50%

#40 in Method: CLP.PESTAN/GC6081A:RTX-35

Acquired: 6-SEP-1990 4:56

Rate: 3.0 points/sec

Duration: 29.198 minutes

Operator: JWM

Type: UNKN

Instrument: HP764

Filename: AI090540

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.18	0.05	BB	8633.85	141317.49			
10.60	0.46	BB	1237.03	3863.73	0.016!	0.016!	alpha-BHC
11.86	0.51	BB	1692.30	5052.44	0.032!	0.032!	beta-BHC
12.75	0.55	BB	3379.35	8913.08	0.033!!	0.033!!	delta-BHC
13.43	0.58	BB	3747.82	11677.38	0.028	0.028	ALDRIN
15.25	0.66	BB	4012.82	10868.11	0.034!!	0.034!!	gamma-CHLORDANE
15.61	0.68	BB	4006.39	11115.88	0.032!	0.032!	alpha-CHLORDANE
16.17	0.70	BB	3983.86	10669.56	0.033!!	0.033!!	pp'-DDE
17.17	0.75	BB	2856.97	7879.34	0.031!	0.031!	ENDRIH
17.46	0.76	BP	5356.07	13652.24	0.067!!	0.067!!	pp'-DDD
17.60	0.76	PB	85.83	257.72	0.001	0.001	ENDOSULFAN II
18.31	0.79	BB	6845.95	19798.13	0.082!	0.082!	ENDRIH ALDEHYDE
18.42	0.80	SS	38.50	101.56			
18.68	0.81	BB	7370.59	20971.61	0.066!!	0.066!!	ENDOSULFAN SULF
18.77	0.82	SS	200.75	459.04			
18.96	0.82	BP	167.13	604.93			
19.08	0.83	PB	1339.32	3976.62			
19.61	0.85	BB	13488.77	40320.67	0.140	0.140	DIBUTYL CHLOR
20.55	0.89	BB	7118.11	24074.57	0.068!!	0.068!!	ENDRIH KETONE
22.77	0.99	BB	42.44	180.70			
23.03	1.00	BB	121.12	526.61			
TOTAL			75724.97	336281.43	0.662!!	0.662!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

! Result calculation based on peak response ratio outside of calibration range.

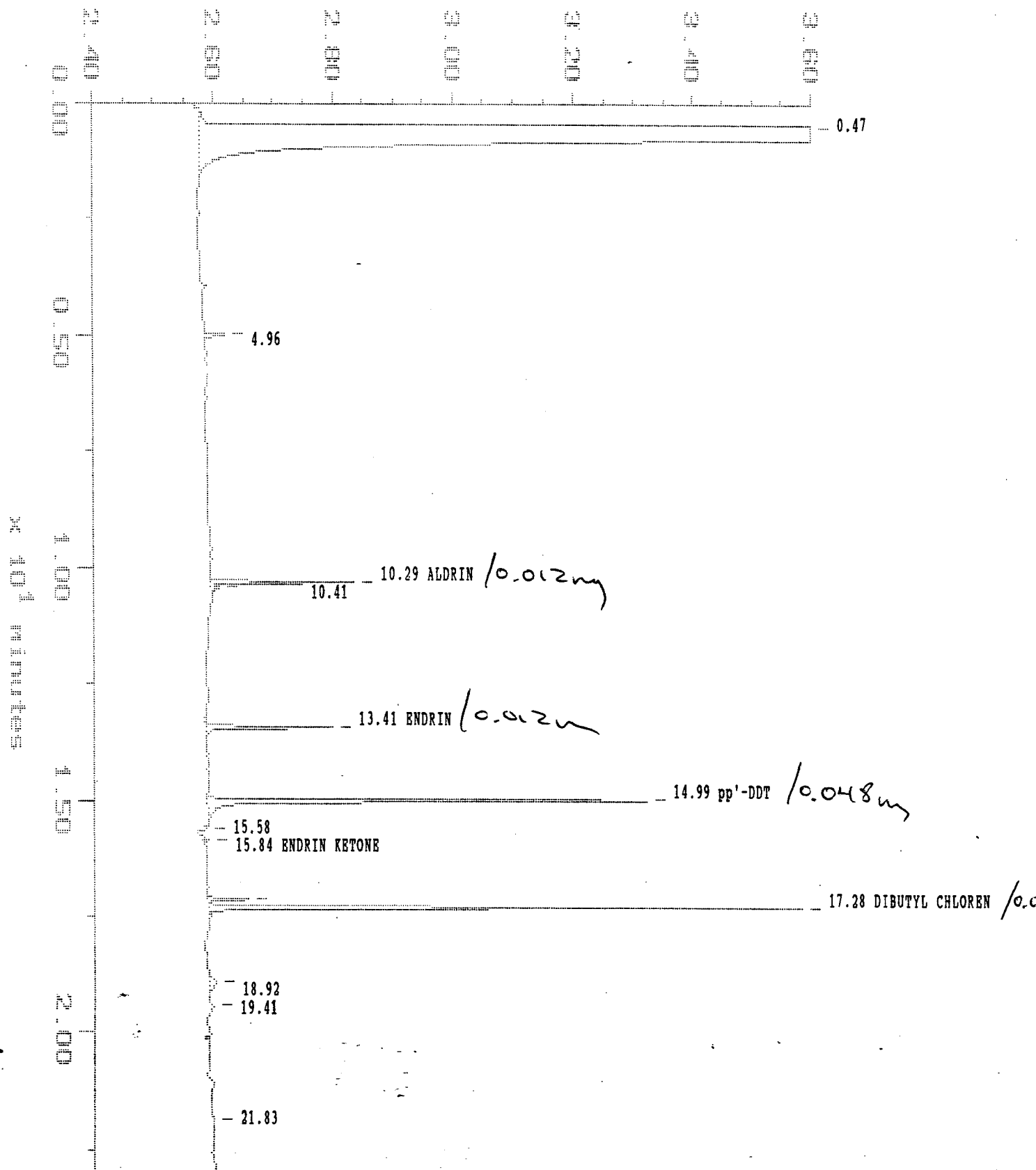
000370

Sample: EVAL A Channel: ECD 846
Acquired: 05-SEP-90 8:00 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 PSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090502
Operator: JWM

sum

$\times 10^{-2}$ volts



000371

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:10:36

SAMPLE: EVAL A

#2 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 8:00

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090502

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.47	0.02	DB	32305.60	505712.81			
4.96	0.23	BB	349.88	1426.63			
10.29	0.47	BB	2405.88	7562.78	0.0107	0.0107	ALDRIN
10.41	0.48	SS	74.15	245.52			
13.41	0.61	BB	2136.59	6947.81	0.0112	0.0112	ENDRIN
14.99	0.69	BB	7329.11	27129.71	0.0454	0.0454	pp'-DDT
15.58	0.71	BP	50.78	244.37			
15.84	0.73	PB	84.40	488.45	0.0004	0.0004	ENDRIN KETONE
17.10	0.78	BP	686.65	2286.37			
17.28	0.79	PB	9986.52	32929.15	0.0670	0.0670	DIBUTYL CHLOREN
18.92	0.87	BB	122.31	1517.38			
19.41	0.89	BB	43.63	118.01			
21.83	1.00	BB	38.39	327.58			
TOTAL			55613.88	586936.57	0.1347	0.1347	

000372

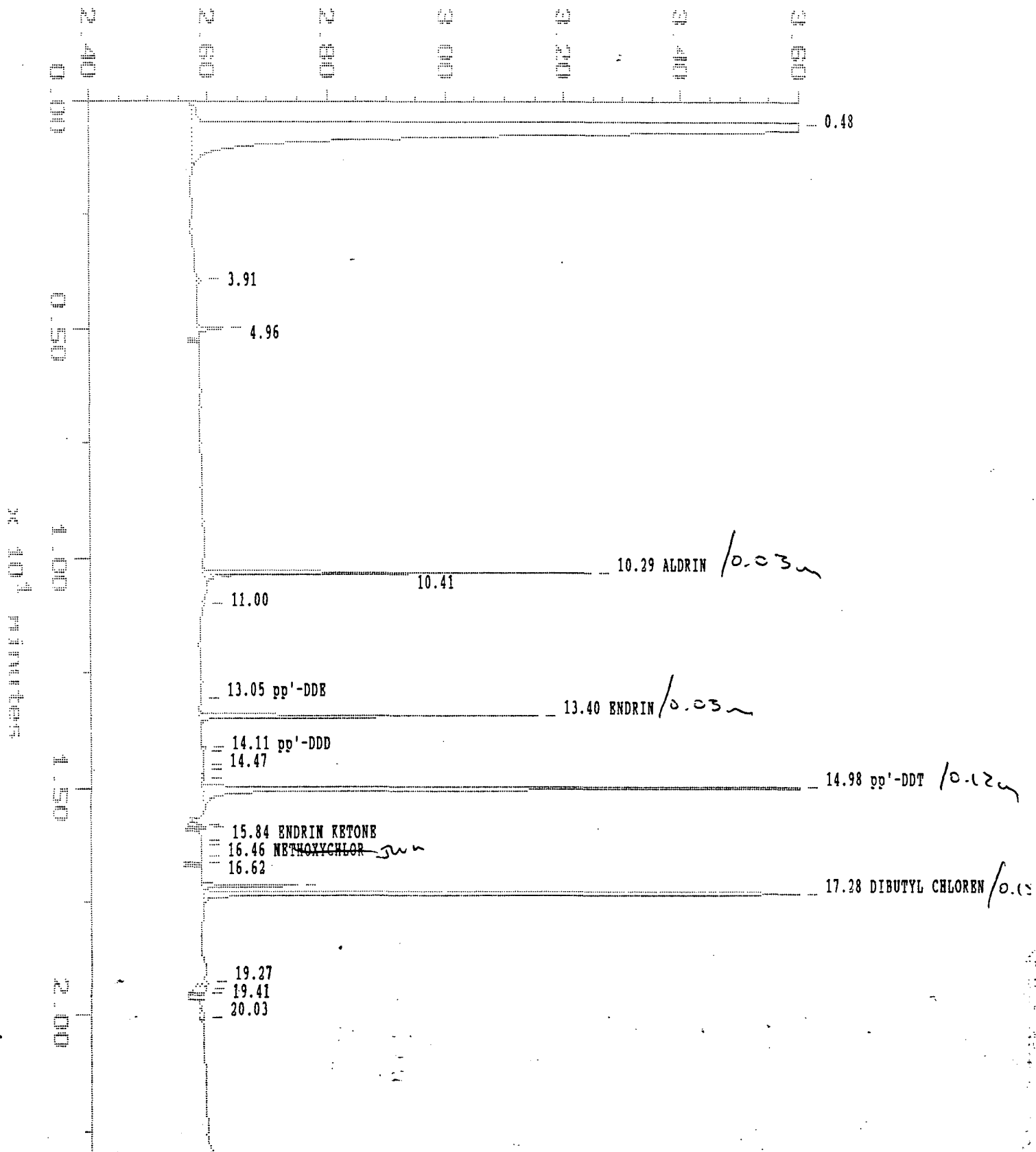
Sample: EVAL B Channel: ECD 846
Acquired: 05-SEP-90 8:29 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090503

Operator: JWM

JWM

$\times 10^{-2}$ volts



000373

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:12:01

SAMPLE: EVAL B

#3 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 8:29

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090503

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.48	0.02	DB	16372.44	255587.86			
3.91	0.20	BB	85.47	342.30			
4.96	0.25	BB	406.38	1625.84			
10.29	0.51	BB	6519.56	19449.60	0.0290	0.0290	ALDRIN
10.41	0.52	SS	61.51	192.96			
11.00	0.55	BB	37.79	116.14			
13.05	0.65	BB	26.58	75.07	0.0002	0.0002	pp'-DDE
13.40	0.67	BB	5688.91	17385.97	0.0299	0.0299	ENDRIN
14.11	0.70	BP	75.58	241.77	0.0009	0.0009	pp'-DDD
14.17	0.71	PB	31.71	118.17	0.0002	0.0002	ENDRIN ALDEHYDE
14.47	0.72	BB	16.21	58.99			
14.60	0.73	BB	12.04	35.76			
14.76	0.74	BB	17.76	49.01	0.0001	0.0001	ENDOSULFAN SULF
14.98	0.75	BB	19175.29	68377.12	0.1187	0.1187	pp'-DDT
15.80	0.79	BP	206.23	800.46			
15.84	0.79	PB	319.96	489.36	0.0015	0.0015	ENDRIN KETONE
16.11	0.80	BP	15.62	81.44			
16.22	0.81	PB	21.70	80.50			
16.46	0.82	BB	27.30	96.60	0.0003	0.0003	METHOXYCHLOR
16.62	0.83	BB	239.01	234.06			
17.10	0.85	BP	1628.52	5315.48			
17.28	0.86	PB	22298.93	72650.11	0.1496	0.1496	DIBUTYL CHLOREN
19.27	0.96	BP	145.44	797.83			
19.41	0.97	PP	236.03	1550.07			
19.51	0.97	PB	279.67	546.66			
20.03	1.00	BB	56.39	675.57			
TOTAL			74002.04	446974.69	0.3305	0.3305	

000374

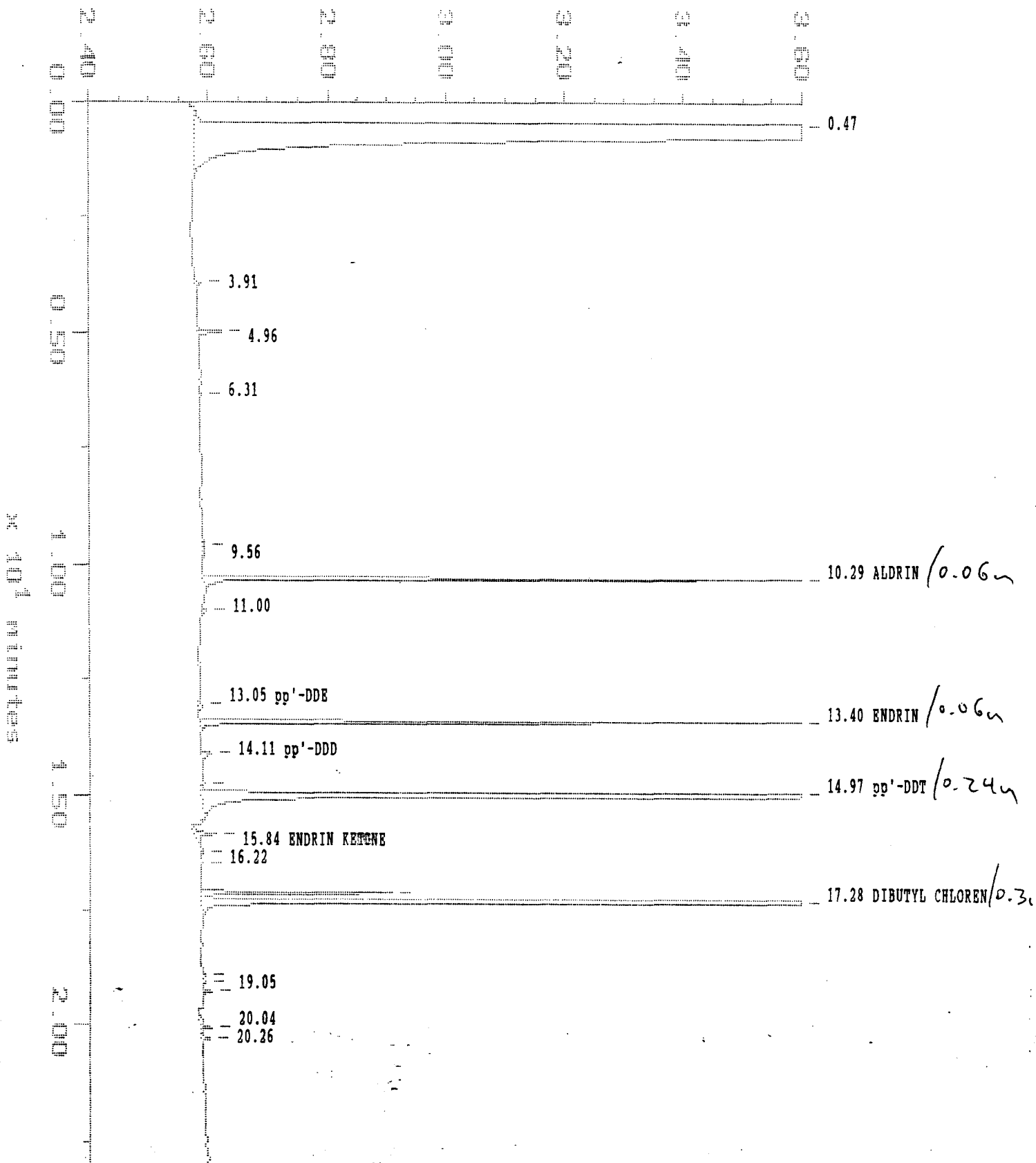
Sample: EVAL C Channel: ECD 846
Acquired: 05-SEP-90 8:58 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090504

Operator: JWN

JWN

$\times 10^{-2}$ volts



000375

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:15:50

SAMPLE: EVAL C

#4 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 8:58

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090504

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.47	0.02	DB	35747.65	547065.34			
3.91	0.19	BB	87.98	370.85			
4.96	0.24	BB	405.19	1688.40			
6.31	0.31	BB	38.03	228.93			
9.56	0.47	BB	39.10	824.45			
10.29	0.51	BB	14320.73	42618.84	0.0637!!	0.0637!!	ALDRIN
11.00	0.54	BB	99.30	313.67			
13.05	0.64	BP	82.37	446.00	0.0007	0.0007	pp'-DDE
13.40	0.66	PB	12622.12	37646.93	0.0663!!	0.0663!!	ENDRIN
14.11	0.70	BB	159.03	851.14	0.0019	0.0019	pp'-DDD
14.76	0.73	BP	38.86	109.07	0.0002	0.0002	ENDOSULFAN SULF
14.97	0.74	PB	39273.86	142512.16	0.2432!!	0.2432!!	pp'-DDT
15.84	0.78	BB	360.01	1974.47	0.0017	0.0017	ENDRIN KETONE
16.22	0.80	BB	52.93	199.96			
16.45	0.81	BB	59.01	206.85			
17.10	0.84	BP	3231.41	10487.52			
17.28	0.85	PB	42627.46	140520.47	0.2860!!	0.2860!!	DIBUTYL CHLOREN
18.92	0.93	BP	41.25	261.55			
19.05	0.94	PB	41.60	173.98			
19.27	0.95	BB	164.87	512.72			
20.04	0.99	BP	175.24	1343.36			
20.26	1.00	PB	138.16	700.63			
TOTAL			149806.16	931057.31	0.6637!!	0.6637!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

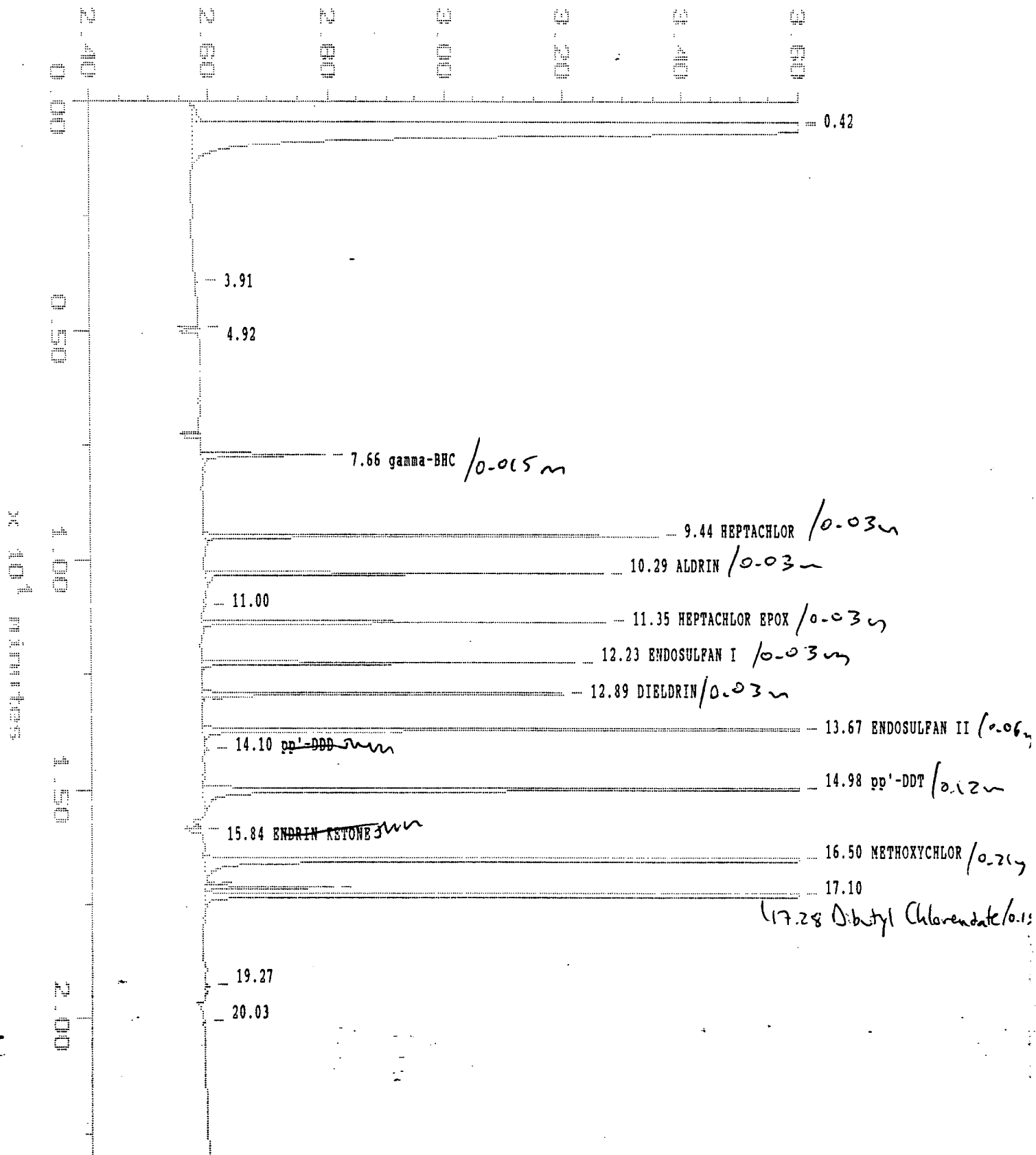
000376

Sample: IND A 50% Channel: ECD 846
Acquired: 05-SEP-90 9:27 Method: C:\MAX\846\AG0905NA
Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090505
Operator: JWN

JWN

$\times 10^{-2}$ volts



000377

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:06:37

SAMPLE: IND A 50%

#5 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 9:27

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: STND

Instrument: HP846

Filename: AG090505

Index: Disk

Injection Volume: 3.0

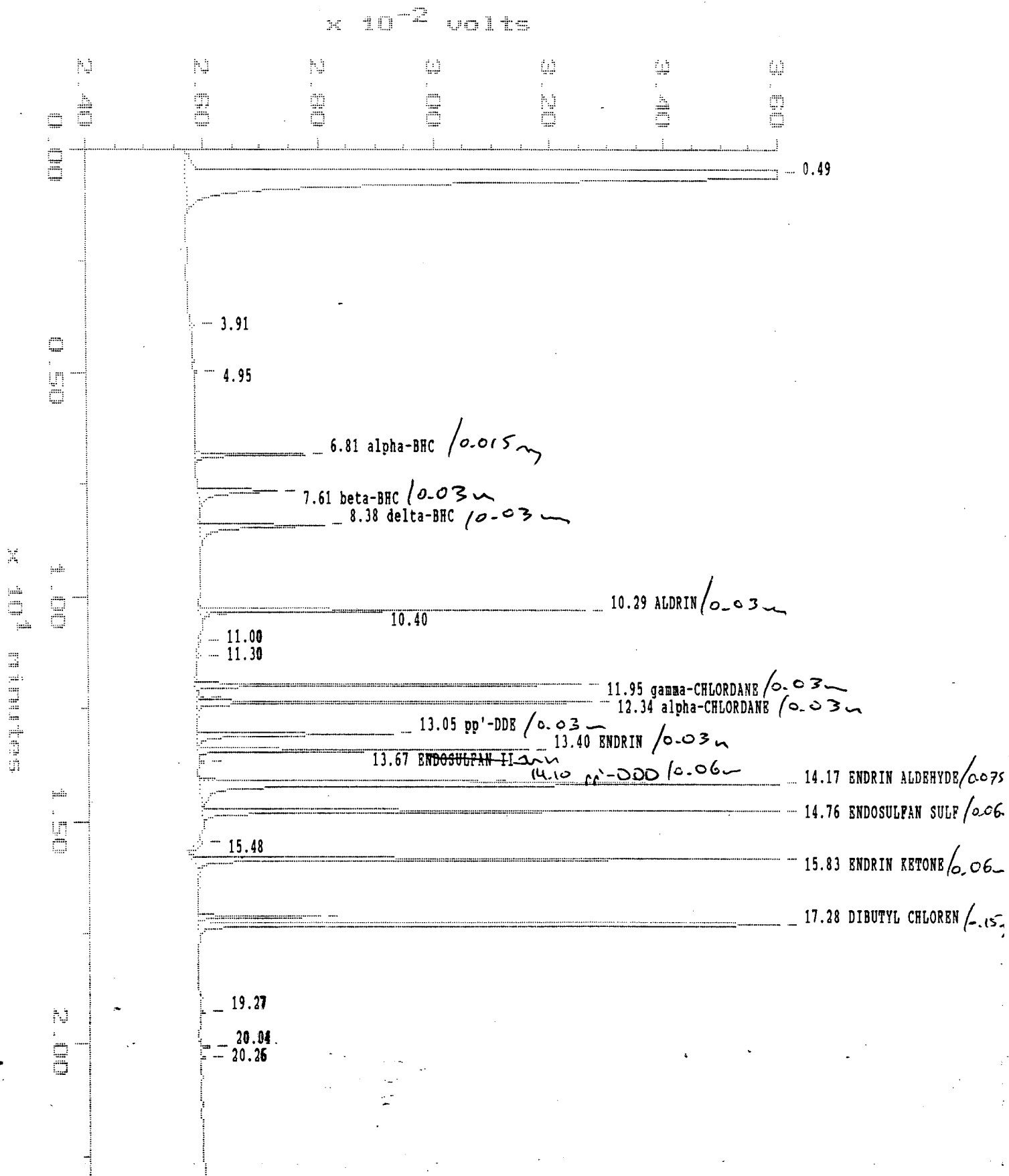
DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.42	0.02	DP	17092.95	31918.48			
0.50	0.02	PE	15843.39	227570.01			
3.91	0.20	BB	37.79	122.23			
4.92	0.25	BB	317.57	637.53			
7.66	0.38	BB	2060.41	7970.61	0.0150	0.0150	gamma-BHC
9.44	0.47	BB	7672.79	23862.27	0.0300	0.0300	HEPTACHLOR
10.29	0.51	BB	6742.60	19812.88	0.0300	0.0300	ALDRIN
11.00	0.55	BB	43.39	128.17			
11.35	0.57	BB	6838.68	21077.84	0.0300	0.0300	HEPTACHLOR EPOX
12.23	0.61	BB	6351.11	19951.86	0.0300	0.0300	ENDOSULFAN I
12.89	0.64	BP	6156.45	18394.59	0.0300	0.0300	DIELDRIN
13.05	0.65	PB	38.62	146.04	Invalid	Invalid	~~pp'-DDE~~
13.67	0.68	BB	11545.42	38559.50	0.0600	0.0600	ENDOSULFAN II
14.10	0.70	BB	77.37	279.42	Invalid	Invalid	~~pp'-DDD~~
14.98	0.75	BB	19379.74	70178.24	0.1200	0.1200	~~pp'-DDT~~ <i>sw</i>
15.84	0.79	BB	220.89	237.05	Invalid	Invalid	~~ENDRIN KETONE~~
16.50	0.82	BB	18107.65	71557.78	0.2100	0.2100	METHOXYCHLOR
17.01	0.85	BP	124.57	359.83			
17.10	0.85	PP	2164.01	7203.95			
17.28	0.86	PB	22356.87	72059.84	0.1500	0.1500	DIBUTYL CHLOREN
19.27	0.96	BB	75.34	318.45			
20.03	1.00	BB	38.15	117.86			
TOTAL			143285.77	632464.44	0.7050	0.7050	

000378

Sample: IND B 50% Channel: ECD 846
 Acquired: 05-SEP-90 9:56 Method: C:\MAX\846\AG0905MA
 Inj Vol: 3.00
 Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090506
 Operator: JWN



000379

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 11:08:03

SAMPLE: IND B 50%

#6 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 9:56

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: STND

Instrument: HP846

Filename: AG090506

Index: Disk

Injection Volume: 3.0

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.49	0.02	BB	14419.80	237443.09			
3.91	0.19	BB	47.45	159.50			
4.95	0.24	BB	58.41	313.67			
6.81	0.34	BB	1906.75	7434.87	0.0150	0.0150	alpha-BHC
7.61	0.38	BB	1406.31	9259.74	0.0300	0.0300	beta-BHC
8.38	0.41	BB	2187.97	13122.49	0.0300	0.0300	delta-BHC
10.29	0.51	BB	6655.46	19692.45	Invalid	Invalid	ALDRIN
10.40	0.51	SS	61.63	196.54			
11.00	0.54	BB	42.32	133.10			
11.30	0.56	BB	70.81	243.29			
11.95	0.59	BP	6662.85	20910.03	0.0300	0.0300	gamma-CHLORDANE
12.23	0.60	PP	104.19	348.99	Invalid	Invalid	ENDOSULFAN I
12.34	0.61	PB	6838.92	21107.37	0.0300	0.0300	alpha-CHLORDANE
13.05	0.64	BP	3445.27	14255.80	0.0300	0.0300	pp'-DDE
13.40	0.66	PB	5714.66	17693.24	0.0300	0.0300	ENDRIN
13.67	0.67	BB	92.74	301.06	Invalid	Invalid	ENDOSULFAN II
14.10	0.70	BP	5004.29	13256.09	0.0600	0.0600	pp'-DDD
14.17	0.70	PP	11517.66	51175.64	0.0750	0.0750	ENDRIN ALDEHYDE
14.76	0.73	PB	11183.74	38120.98	0.0600	0.0600	ENDOSULFAN SULF
15.48	0.76	BP	117.42	1299.29			
15.83	0.78	PB	12960.91	44020.90	0.0600	0.0600	ENDRIN KETONE
17.10	0.84	BP	2146.96	7102.60			
17.28	0.85	PB	22050.99	71189.36	Invalid	Invalid	DIBUTYL CHLOREN
19.27	0.95	BB	75.46	257.73			
20.04	0.99	BB	152.23	572.52			
20.26	1.00	BB	60.20	195.91			
TOTAL			115095.39	589806.27	0.4500	0.4500	

000380

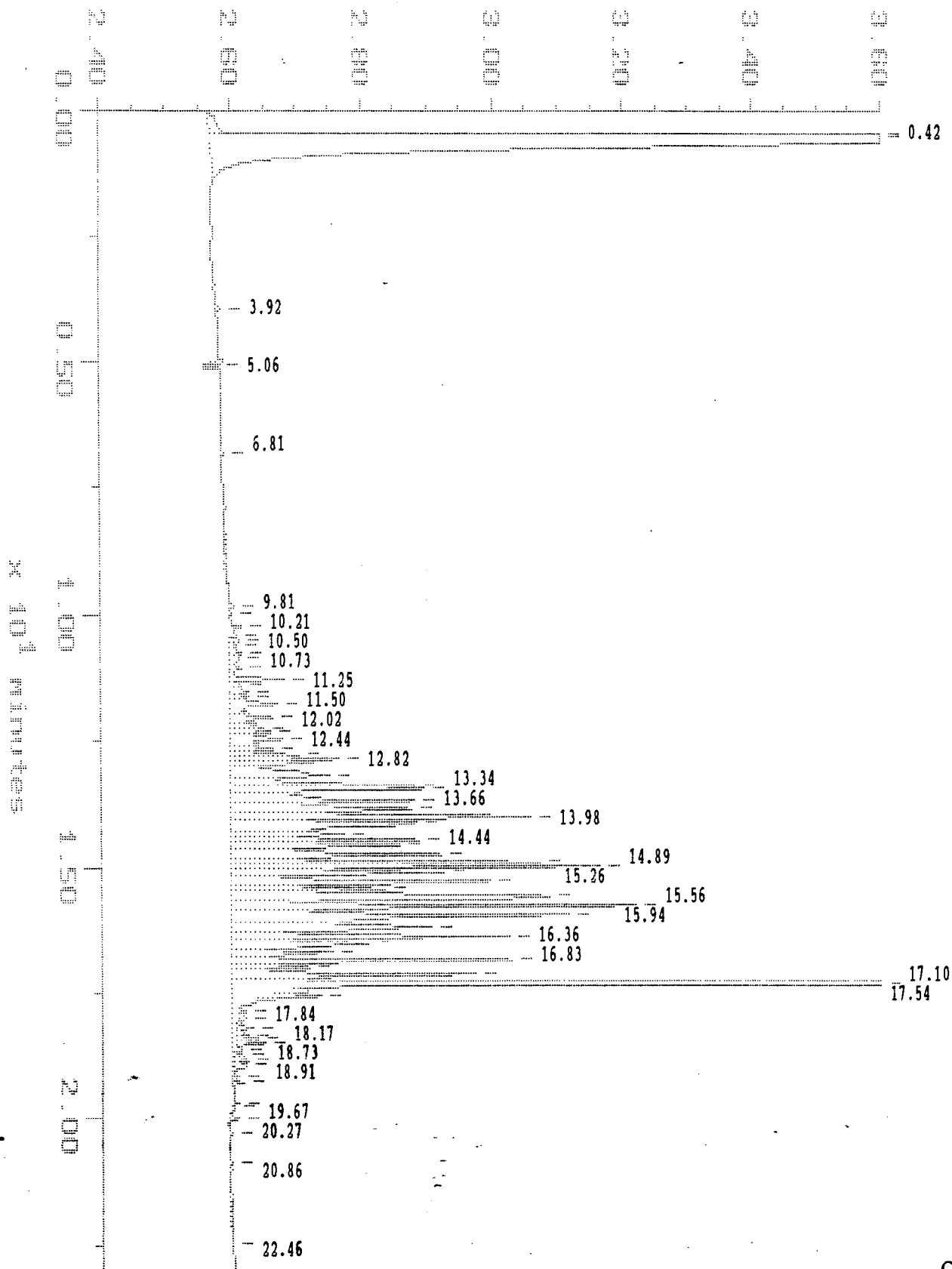
Sample: TOXAPH 1.200ng Channel: ECD 846
Acquired: 05-SEP-90 10:25 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090507

Operator: JWM

JWM

$\times 10^{-2}$ volts



000381

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:33:00

SAMPLE: TOXAPH 1.200ng

#7 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 10:25

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090507

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.42	0.02	BP	14881.37	29088.34			
0.51	0.02	BP	14427.19	206449.55			
3.92	0.17	BB	59.96	205.40			
5.06	0.23	BB	187.87	648.53			
6.81	0.30	BB	27.78	87.32	0.0002	0.0002	~~alpha-BHC~~
9.81	0.44	BP	95.37	-208.22			
9.95	0.44	PB	45.42	136.54			
10.21	0.45	BB	136.14	395.63			
10.41	0.46	BP	96.56	407.54			
10.50	0.47	PP	152.59	853.41			
10.61	0.47	PP	93.70	396.46			
10.73	0.48	PP	197.89	1239.34			
10.84	0.48	PP	159.03	1135.95			
11.04	0.49	PP	170.47	978.60			
11.25	0.50	PP	843.53	3666.87			
11.40	0.51	PP	161.65	794.20			
11.50	0.51	PP	308.28	1718.28			
11.60	0.52	PP	285.86	1182.87			
11.75	0.52	PP	745.77	6386.74			
12.02	0.54	PP	645.40	4530.58			
12.23	0.54	PP	506.88	2648.08	0.0024	0.0024	~~ENDOSULFAN I~~
12.30	0.55	PP	628.47	2846.01	0.0028	0.0028	~~alpha-CHLORDANE~~
12.44	0.55	PP	804.66	6838.60			
12.64	0.56	PP	653.74	3456.86			
12.75	0.57	PP	1069.55	3846.07			
12.82	0.57	PP	1695.63	6528.09			
12.89	0.57	PP	1296.28	6699.14	0.0063	0.0063	~~DIELDRIN~~
13.15	0.59	PP	1547.34	14027.98			
13.34	0.59	PP	2839.80	13864.30			
13.42	0.60	PP	2992.15	16526.93	0.0157	0.0157	~~ENDRIN~~
13.66	0.61	PP	2837.42	19182.06	0.0147	0.0147	~~ENDOSULFAN II~~
13.81	0.62	PP	2785.21	19844.14			
13.98	0.62	PP	4611.97	25989.34			
14.10	0.63	PP	2851.01	26075.18	0.0342	0.0342	~~pp'-DDD~~

000382

A6090507

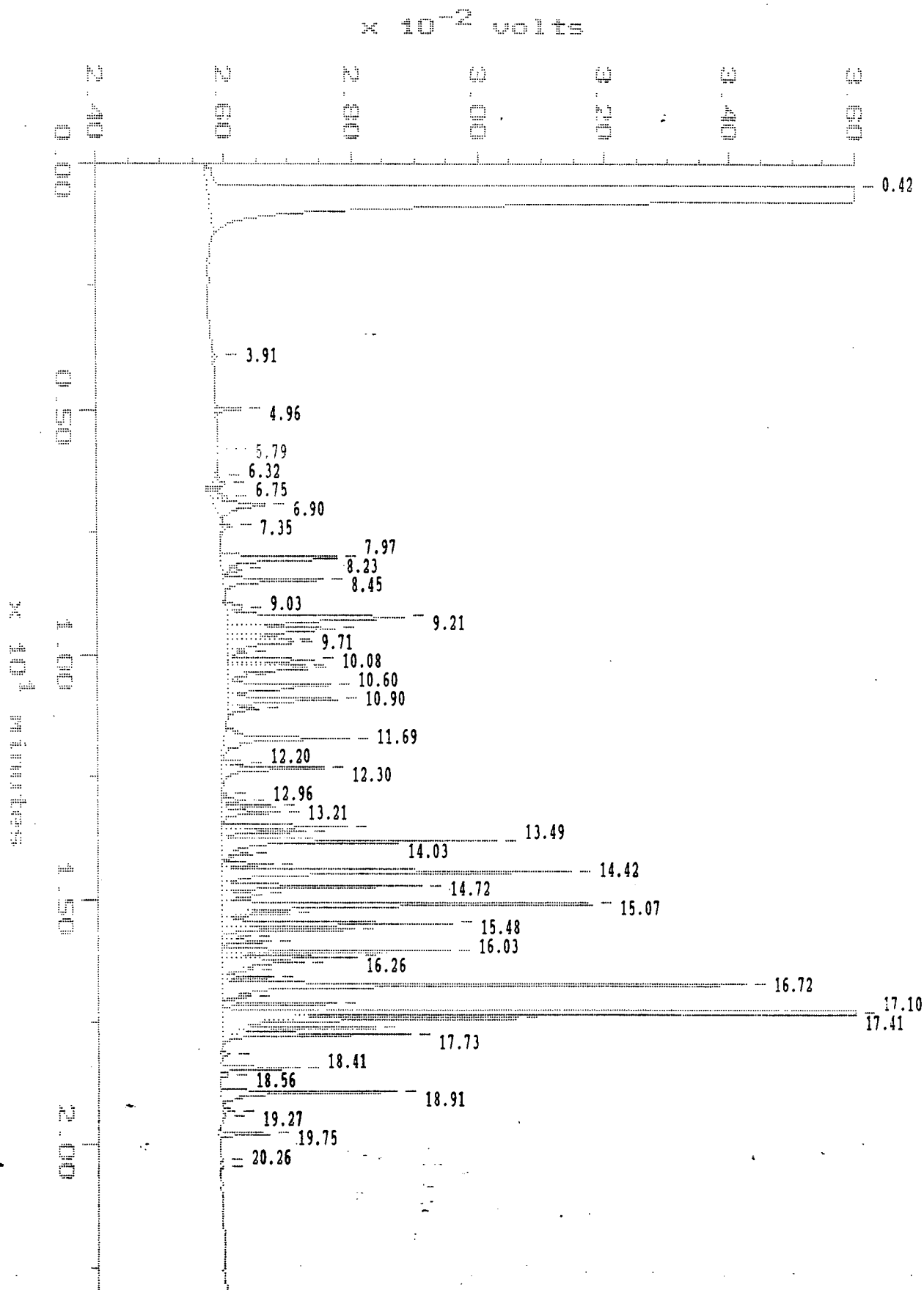
14.32	0.64	PP	1762.39	8532.12			
14.44	0.64	PP	2889.40	13980.12			
14.53	0.65	PP	2611.16	14960.29			
14.74	0.66	PP	3238.68	20100.32	0.0174	0.0174	~~ENDOSULFAN SULF~~
14.89	0.66	PP	4756.45	18252.67			
14.97	0.67	PP	5683.78	22855.53	0.0352	0.0352	~~DD'-DDT~~
15.09	0.67	PP	3285.89	17048.11			
15.26	0.68	PP	3966.09	24612.90			
15.42	0.69	PP	2379.66	12241.15			
15.56	0.69	PP	4890.20	38137.93			
15.74	0.70	PP	6213.55	32923.42			
15.94	0.71	PP	5187.51	36993.56			
16.16	0.72	PP	3077.27	22276.94			
16.36	0.73	PP	4257.68	22366.10			
16.50	0.73	PP	2137.18	13348.58	0.0248	0.0248	~~METHOXYCHLOR~~ 
16.67	0.74	PP	1577.14	8866.69			
16.83	0.75	PP	4319.19	19358.47			
16.97	0.76	PP	1201.63	4828.67			
17.10	0.76	PP	3740.31	20724.50			
17.28	0.77	PB	46733.03	176415.86	0.3135!!	0.3135!!	DIBUTYL CHLOREN
17.42	0.78	SV	238.66	1639.51			
17.54	0.78	VS	756.26	2923.16			
17.84	0.79	SV	116.11	433.91			
17.97	0.80	VV	131.25	830.20			
18.17	0.81	VV	257.97	976.11			
18.30	0.81	VV	166.65	844.02			
18.38	0.82	VV	345.83	1173.90			
18.47	0.82	VV	459.91	1841.96			
18.61	0.83	VV	107.65	389.99			
18.73	0.83	VV	132.80	566.76			
18.83	0.84	VV	201.82	891.08			
18.91	0.84	VV	202.89	1346.46			
19.14	0.85	VS	77.13	273.07			
19.27	0.86	SS	158.91	493.27			
19.67	0.88	BP	80.47	235.13			
19.76	0.88	PP	58.89	355.51			
19.96	0.89	PB	179.89	701.03			
20.27	0.90	BB	65.45	196.66			
20.86	0.93	BB	29.21	82.11			
22.46	1.00	BB	25.51	1020.91			
TOTAL			178543.35	994921.94	0.4672!!	0.4672!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000383

Sample: AR1660 0.600ng Channel: ECD 846
Acquired: 05-SEP-90 10:54 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 PSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090508
Operator: JWM



000384

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:34:55

SAMPLE: AR1660 0.600ng

#8 in Method: CLP.PRESTAM/GC608GA:RTX-5

Acquired: 5-SEP-1990 10:54

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWN

Type: UNXN

Instrument: HP846

Filename: AG090508

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.42	0.02	BB	30953.05	510940.83			
3.91	0.19	BB	89.76	331.52			
4.96	0.24	BB	389.46	1514.52			
5.79	0.28	BB	164.27	777.90			
6.32	0.31	BP	38.03	137.26			
6.47	0.32	PP	213.15	1171.20			
6.75	0.33	PP	267.03	2488.32			
6.90	0.34	PB	811.46	7375.83			
7.35	0.36	BB	184.06	741.06			
7.97	0.39	BP	1845.60	14029.64			
8.23	0.40	SS	219.35	990.02			
8.45	0.41	PB	1562.71	8315.69			
9.03	0.44	BP	248.43	2031.20			
9.21	0.45	PP	2811.43	23417.07			
9.45	0.46	PP	1710.18	13435.93	0.0067	0.0067	HEPTACHLOR
9.65	0.47	PP	1014.47	4480.70			
9.71	0.48	PP	1054.29	6621.42			
9.92	0.49	PP	296.83	1536.14			
10.08	0.49	PP	1384.26	5933.06			
10.19	0.50	PP	1249.08	5003.53			
10.26	0.50	PP	1266.96	8575.43	0.0056	0.0056	ALDRIN
10.40	0.51	SS	63.66	228.68			
10.60	0.52	PP	1631.02	12296.45			
10.90	0.53	PP	1761.68	10598.30			
11.09	0.54	PB	505.69	2649.44			
11.69	0.57	BP	1998.19	13589.42			
12.20	0.60	PP	324.01	1969.51	0.0015	0.0015	ENDOSULFAN I
12.30	0.60	PB	1630.90	8628.29	0.0072	0.0072	alpha-CHLORDANE
12.83	0.63	BP	90.12	337.51			
12.96	0.63	PP	363.59	1544.22			
13.09	0.64	PP	856.88	2977.15			
13.21	0.65	PP	942.23	4793.27			
13.49	0.66	PP	2005.82	7177.14			
13.60	0.67	PP	1349.93	5528.62			

000385

A6090508

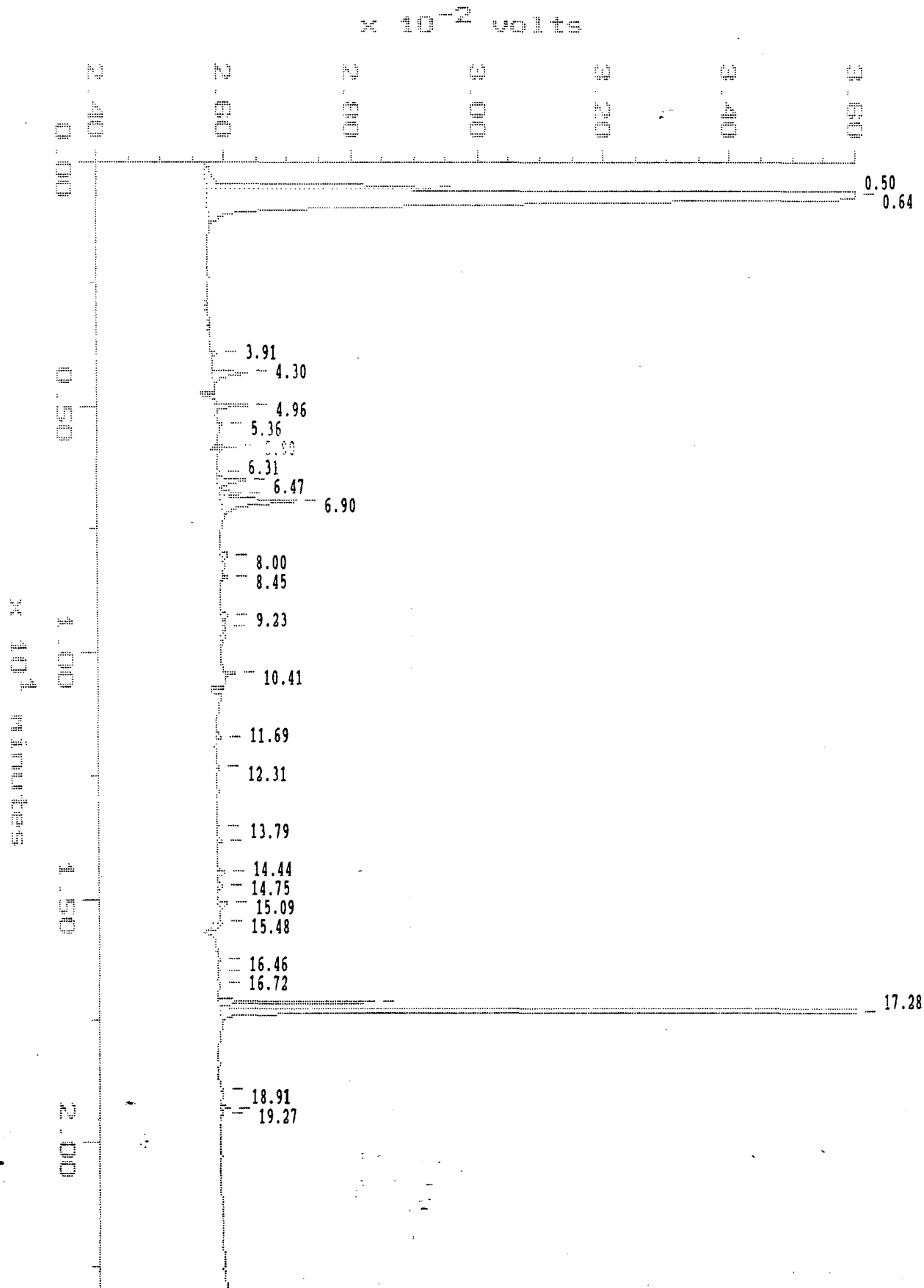
13.79	0.68	PP	4353.05	20599.12			
14.03	0.69	SV	258.68	774.39			
14.12	0.69	VS	86.07	289.71	0.0010	0.0010	~~DD~~ -DDD
14.27	0.70	PP	823.26	3328.98			
14.42	0.71	PP	5541.92	29092.83			
14.72	0.72	PP	3175.97	13429.62	0.0170	0.0170	~~ENDOSULFAN SULF~~
14.90	0.73	PP	636.34	3461.51			
15.07	0.74	PP	5864.26	33512.16			
15.27	0.75	SS	722.89	2368.43			
15.48	0.76	PP	3634.69	14679.42			
15.60	0.76	PP	2118.83	7686.36			
15.73	0.77	PP	444.65	1662.93			
15.84	0.78	PP	779.39	3305.49	0.0036	0.0036	ENDRIN RETONE
16.03	0.79	PP	3624.56	12826.03			
16.16	0.79	PP	2125.50	7810.53			
16.26	0.80	PP	1299.38	9174.04			
16.41	0.80	SS	178.81	608.81			
16.57	0.81	PP	797.99	3320.15			
16.72	0.82	PP	2298.80	38903.02			
16.96	0.83	SS	243.07	669.27			
17.10	0.84	PP	1826.76	6150.06			
17.28	0.85	PB	44248.71	157543.63	0.2969!!	0.2969!!	DIBUTYL CHLOREN
17.41	0.85	SS	3567.58	12325.82			
17.61	0.86	SV	2107.26	6768.33			
17.73	0.87	VS	2777.34	10199.69			
18.12	0.89	BB	131.49	558.88			
18.41	0.90	BB	1249.79	5028.19			
18.56	0.91	SS	88.33	263.62			
18.91	0.93	BB	2770.66	12187.24			
19.27	0.94	BP	181.79	564.13			
19.41	0.95	PB	48.28	158.27			
19.75	0.97	BB	771.05	2668.63			
20.26	0.99	BB	30.52	72.08			
20.42	1.00	BB	28.01	88.34			
TOTAL			166163.23	1114245.97	0.3396!!	0.3396!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000386

Sample: AR1221 0.750ng Channel: ECD 846
Acquired: 05-SEP-90 11:23 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090509
Operator: JWM



000387

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:36:35

SAMPLE: AP1221 0.750ng

#9 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 11:23

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090509

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

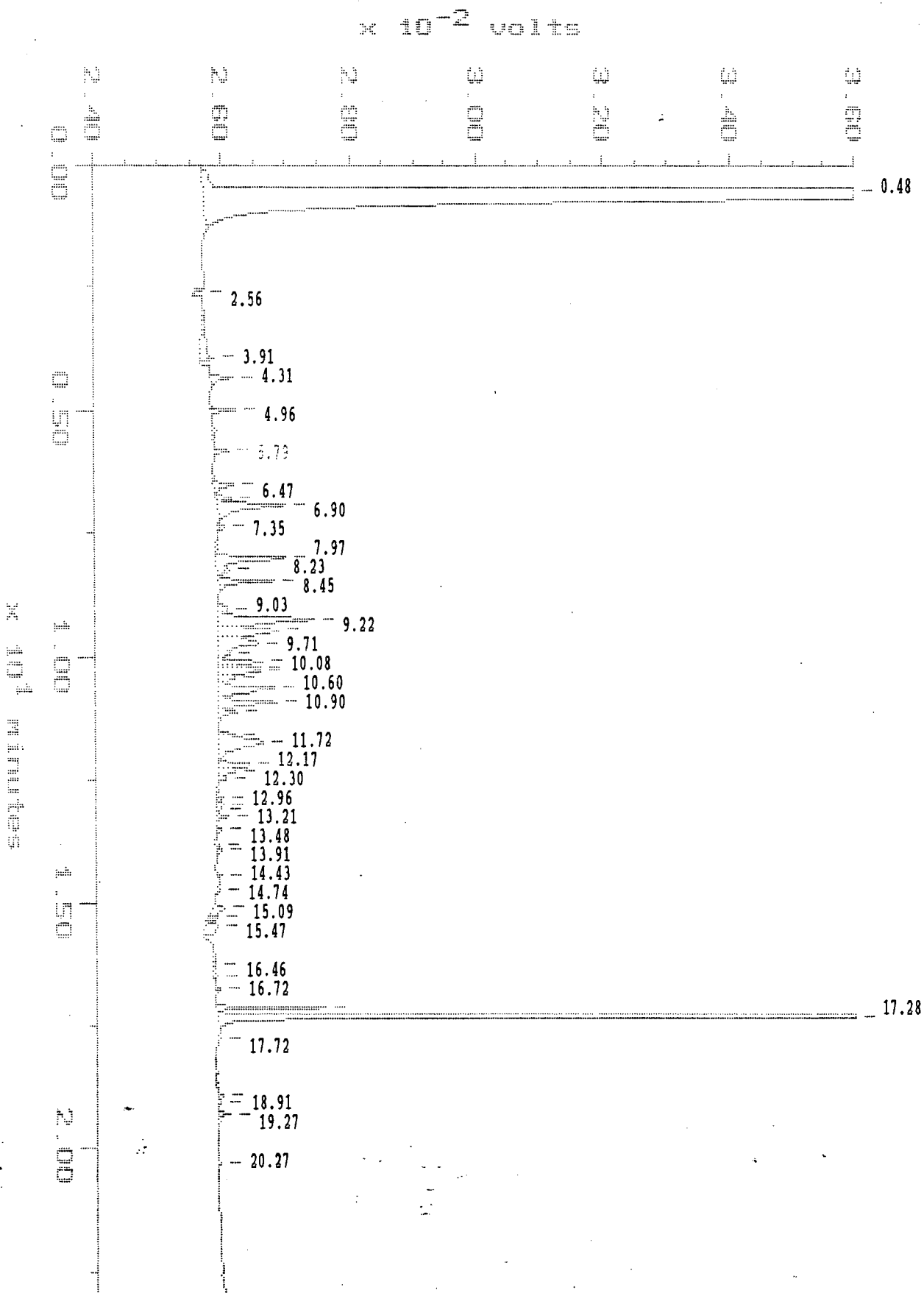
Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.50	0.03	BP	3553.51	24373.33			
0.64	0.03	PB	17719.51	702718.55			
3.91	0.20	BB	92.03	309.38			
4.30	0.22	BB	543.00	3280.72			
4.96	0.26	BB	511.65	2093.29			
5.36	0.28	BB	47.68	255.19			
5.80	0.30	BB	327.11	710.78			
6.31	0.33	BP	36.12	124.33			
6.47	0.33	PP	453.59	3175.21			
6.74	0.35	PP	326.87	1796.64			
6.90	0.36	PB	1188.52	9874.26			
8.00	0.41	BB	106.22	663.06			
8.45	0.44	BB	81.66	357.72			
9.23	0.48	BB	85.23	618.51			
9.48	0.49	BB	54.72	833.34			
10.41	0.54	BB	167.49	585.13			
11.69	0.60	BB	74.74	357.70			
12.31	0.63	BB	39.10	135.58	0.0002	0.0002	~~alpha~~ -CHLORDANE
13.49	0.70	BB	40.53	137.86			
13.79	0.71	BB	86.67	295.41			
14.44	0.74	BB	98.47	564.19			
14.75	0.76	BB	52.57	269.83	0.0003	0.0003	~~ENDOSULFAN~~ SULF
15.09	0.78	BB	128.63	667.23			
15.48	0.80	BB	82.73	1021.95			
16.23	0.84	BB	38.15	501.82			
16.46	0.85	BB	54.36	186.28	0.0006	0.0006	~~METHOXYCHLOR~~ 
16.72	0.86	BB	38.03	118.15			
17.10	0.88	BP	2497.20	8171.41			
17.28	0.89	PB	38389.81	123396.21	0.2576!!	0.2576!!	DIBUTYL CHLOREN
18.91	0.97	BB	38.15	279.94			
19.27	0.99	BP	144.36	453.16			
19.41	1.00	PB	29.80	94.24			
TOTAL			67128.19	394420.40	0.2587!!	0.2587!!	

000388

Sample: AR1232 0.750ng Channel: ECD 846
Acquired: 05-SEP-90 11:52 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQDATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090510

Operator: JWM



000389

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 12:38:11

SAMPLE: AR1232 0.750ng

#10 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 11:52

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090510

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.48	0.02	BB	15338.42	262512.77			
2.56	0.13	BB	144.48	171.87			
3.91	0.19	BB	216.48	4906.10			
4.31	0.21	BB	351.19	1888.96			
4.96	0.24	BB	395.06	1483.44			
5.79	0.29	BB	226.62	1409.46			
6.47	0.32	BP	295.28	1926.16			
6.74	0.33	PP	236.15	1217.65			
6.90	0.34	PB	1050.11	8318.44			
7.35	0.36	BB	100.97	381.35			
7.97	0.39	BP	1067.52	8521.67			
8.23	0.41	SS	120.52	524.12			
8.45	0.42	PB	891.09	4742.15			
9.03	0.45	BP	136.85	1131.24			
9.22	0.45	PP	1507.40	13210.58			
9.45	0.47	PP	941.63	7932.59	0.0037	0.0037	HEPTACHLOR
9.71	0.48	PP	612.14	7171.41			
9.92	0.49	SS	73.67	249.46			
10.08	0.50	PP	689.15	2977.87			
10.19	0.50	PP	651.72	2781.20			
10.26	0.51	PP	658.87	3531.85	0.0029	0.0029	ALDRIN
10.40	0.51	PP	246.64	1578.08			
10.60	0.52	PP	877.02	7015.21			
10.90	0.54	PP	902.53	5571.29			
11.10	0.55	PB	272.63	1360.03			
11.55	0.57	BP	265.60	1048.56			
11.72	0.58	PP	726.82	9832.34			
12.17	0.60	PP	490.55	3635.59			
12.30	0.61	PP	283.36	1383.44	0.0012	0.0012	alpha-CHLORDANE
12.43	0.61	PB	136.73	686.63			
12.83	0.63	BP	87.14	330.34			
12.96	0.64	PP	128.63	526.63			
13.06	0.64	PP	82.25	358.25	0.0007	0.0007	pp'-DDE
13.21	0.65	PB	190.38	820.61			

000390

A6090510

13.48	0.66	BB	82.37	341.96			
13.79	0.68	BP	55.55	173.95			
13.91	0.69	PB	63.54	315.46			
14.43	0.71	BB	54.72	190.02			
14.74	0.73	BB	38.39	190.66	0.0002	0.0002	~~ENDOSULFAN SULF~~
15.09	0.74	BP	155.69	1562.72			
15.29	0.75	PP	137.09	452.99			
15.47	0.76	PB	206.95	2623.66			
16.21	0.80	BB	43.39	478.71			
16.46	0.81	BB	58.05	192.21	0.0007	0.0007	~~METHOXYCHLOR~~
16.72	0.82	BB	75.10	248.15			
17.10	0.84	BP	1731.75	5682.03			
17.28	0.85	PB	43531.30	141064.63	0.2921!!	0.2921!!	DIBUTYL CHLOREN
17.72	0.87	BB	29.09	105.95			
18.91	0.93	BP	64.37	230.92			
19.05	0.94	PB	44.47	175.05			
19.27	0.95	BB	172.50	544.08			
20.27	1.00	BB	32.07	81.75			
TOTAL			76972.02	525792.25	0.3015!!	0.3015!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

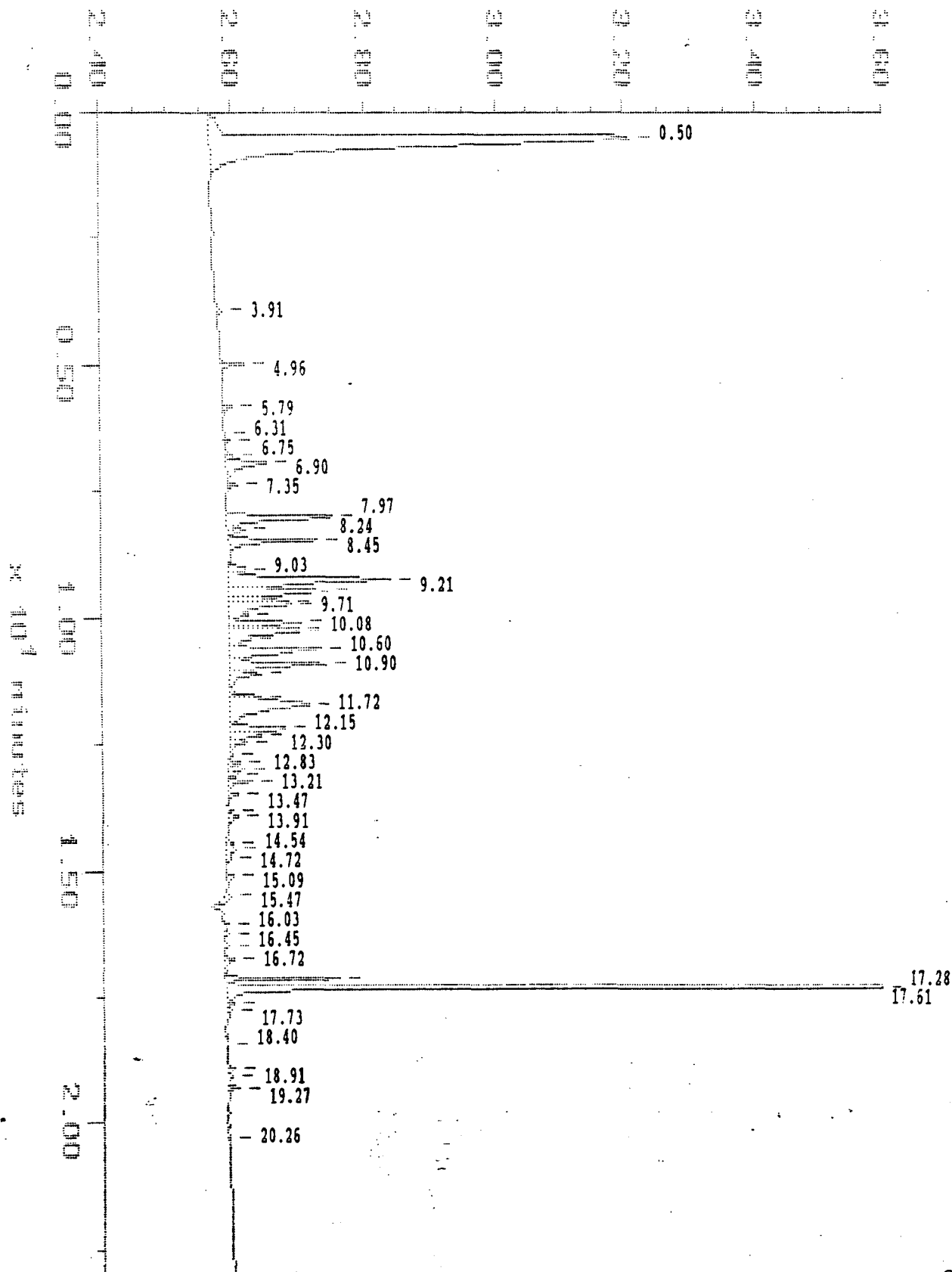
000391

Sample: AR1242 0.600ng Channel: ECD 846
Acquired: 05-SEP-90 12:21 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090511

Operator: JWM

$\times 10^{-2}$ volts



000392

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 14:04:27

SAMPLE: AR1242 0.600ng

#11 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 12:21

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090511

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.50	0.02	BB	6433.49	103444.91			
3.91	0.19	BB	76.17	257.14			
4.96	0.24	BB	363.71	1366.99			
5.79	0.29	BB	140.31	713.66			
6.31	0.31	BB	32.78	69.34			
6.46	0.32	BB	76.17	297.24			
6.75	0.33	BP	118.37	577.20			
6.90	0.34	PB	625.61	4937.30			
7.35	0.36	BB	159.26	591.54			
7.97	0.39	BP	1618.98	12310.62			
8.24	0.41	SS	186.80	755.04			
8.45	0.42	PB	1360.06	7196.91			
9.03	0.45	BP	239.85	2032.51			
9.21	0.45	PP	2445.10	20634.87			
9.45	0.47	PP	1494.29	11935.69	0.0058	0.0058	~~HEPTACHLOR~~
9.66	0.48	PP	908.49	4021.29			
9.71	0.48	PP	928.04	7267.53			
9.91	0.49	SS	112.18	356.56			
10.08	0.50	PP	1098.04	4876.26			
10.19	0.50	PP	1045.11	4231.88			
10.26	0.51	PP	1062.51	7805.85	0.0047	0.0047	~~ALDRIN~~
10.41	0.51	SS	78.56	228.12			
10.60	0.52	PP	1378.89	10908.12			
10.90	0.54	PP	1478.31	9430.70			
11.10	0.55	PP	467.66	2861.58			
11.55	0.57	PP	484.59	2172.50			
11.72	0.58	PP	1209.96	16274.15			
12.15	0.60	PP	844.36	6123.26			
12.30	0.61	PP	471.23	2417.48	0.0021	0.0021	~~alpha-CHLORDANE~~
12.43	0.61	PB	249.03	1260.84			
12.69	0.63	BP	30.99	96.36			
12.83	0.63	PP	169.75	701.31			
12.96	0.64	PP	246.52	1018.21			
13.06	0.64	PP	152.59	650.26	0.0013	0.0013	~~pp'-DDE~~

000393

AG090511

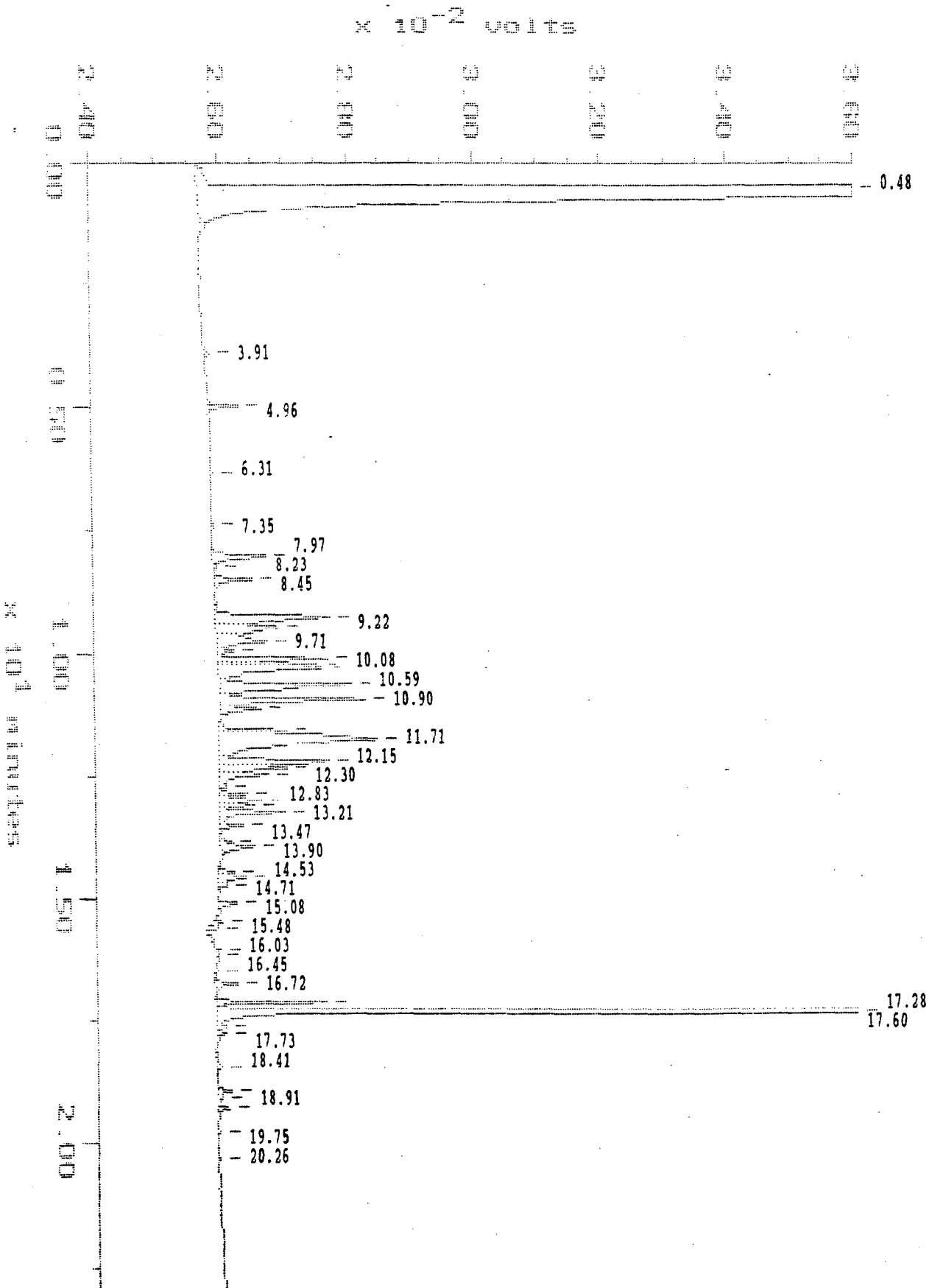
13.21	0.65	PB	343.80	1511.97			
13.47	0.66	BB	140.43	589.13			
13.79	0.68	BP	92.51	327.32			
13.91	0.69	PB	158.43	1061.69			
14.43	0.71	BP	114.08	480.10			
14.54	0.72	PP	121.47	882.52			
14.72	0.73	PB	82.37	453.76	0.0004	0.0004	ENDOSULFAN SULF
15.09	0.74	BB	108.96	543.42			
15.47	0.76	BB	133.40	1295.57			
16.03	0.79	BP	81.90	335.16			
16.22	0.80	PB	55.07	385.51			
16.45	0.81	BB	57.10	196.86			
16.72	0.83	BB	136.85	642.37			
17.10	0.84	BP	1730.44	5693.57			
17.28	0.85	PB	44232.14	143946.94	0.2968!!	0.2968!!	DIBUTYL CHLOREN
17.61	0.87	SS	59.25	187.39			
17.73	0.87	SS	52.21	155.00			
18.40	0.91	BB	26.82	121.83			
18.91	0.93	BP	82.14	432.04			
19.05	0.94	PB	49.00	196.81			
19.27	0.95	BB	177.98	565.48			
20.26	1.00	BB	40.89	229.03			
TOTAL			75864.92	410056.69	0.3112!!	0.3112!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000394

Sample: AR1248 0.600ng Channel: ECD 846
Acquired: 05-SEP-90 12:50 Method: C:\MAX\846\AG0905NA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090512
Operator: JWM



000395

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 14:05:52

SAMPLE: AR1248 0.600ng

#12 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 12:50

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNEN

Instrument: HP846

Filename: AG090512

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.48	0.02	BB	16336.32	272376.80			
3.91	0.19	BB	72.00	250.41			
4.96	0.24	BB	481.49	1842.43			
6.31	0.31	BB	46.97	161.66			
7.35	0.36	BB	36.60	25.86			
7.97	0.39	BB	840.54	5831.63			
8.23	0.41	SS	32.66	127.04			
8.45	0.42	BB	589.37	3033.75			
9.22	0.45	BP	1807.21	15928.89			
9.44	0.47	PP	967.03	8448.38	0.0038	0.0038	HEPTACHLOR
9.71	0.48	PP	772.24	6775.93			
9.92	0.49	PP	267.03	1336.46			
10.08	0.50	PP	1716.38	6984.93			
10.18	0.50	PP	1535.18	6041.23			
10.26	0.51	PP	1618.62	11040.80	0.0072	0.0072	ALDRIN
10.59	0.52	PP	2055.88	14855.73			
10.90	0.54	PP	2266.88	13087.72			
11.10	0.55	PB	610.35	3095.22			
11.54	0.57	BP	1061.32	4647.00			
11.71	0.58	PP	2499.22	32919.94			
12.15	0.60	PP	1712.92	12596.10			
12.30	0.61	PP	1083.02	5506.80	0.0048	0.0048	alpha-CHLORDANE
12.43	0.61	PP	768.54	5324.30			
12.69	0.63	SS	65.92	219.70			
12.83	0.63	PP	451.21	2016.08			
12.96	0.64	PP	675.80	2957.66			
13.06	0.64	PP	536.80	2580.13	0.0047	0.0047	pp'-DDE
13.21	0.65	PP	1046.54	5471.54			
13.47	0.66	PB	374.44	1919.44			
13.79	0.68	BP	175.83	570.53			
13.90	0.69	PB	534.65	3564.93			
14.43	0.71	BP	271.68	1143.93			
14.53	0.72	PP	431.78	3130.03			
14.71	0.73	PB	146.15	745.71			

000396

A6090512

15.08	0.74	BB	303.75	1512.75			
15.48	0.76	BP	179.41	1075.96			
15.59	0.77	PB	175.36	733.22			
16.03	0.79	BP	93.82	240.79			
16.15	0.80	PB	36.00	80.60			
16.45	0.81	BB	53.29	159.24			
16.72	0.83	BB	343.44	1535.47			
17.10	0.84	BP	1733.42	5636.38			
17.28	0.85	PB	43942.81	144348.49	0.2948!!	0.2948!!	DIBUTYL CHLOREN
17.60	0.87	SS	78.32	242.42			
17.73	0.88	SS	116.94	412.34			
18.41	0.91	BB	68.31	308.34			
18.91	0.93	BP	226.97	1041.66			
19.05	0.94	PB	57.82	237.35			
19.27	0.95	BB	179.29	572.88			
19.75	0.97	BB	37.91	110.12			
20.26	1.00	BB	38.39	221.43			
TOTAL			91553.82	615028.14	0.3152!!	0.3152!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

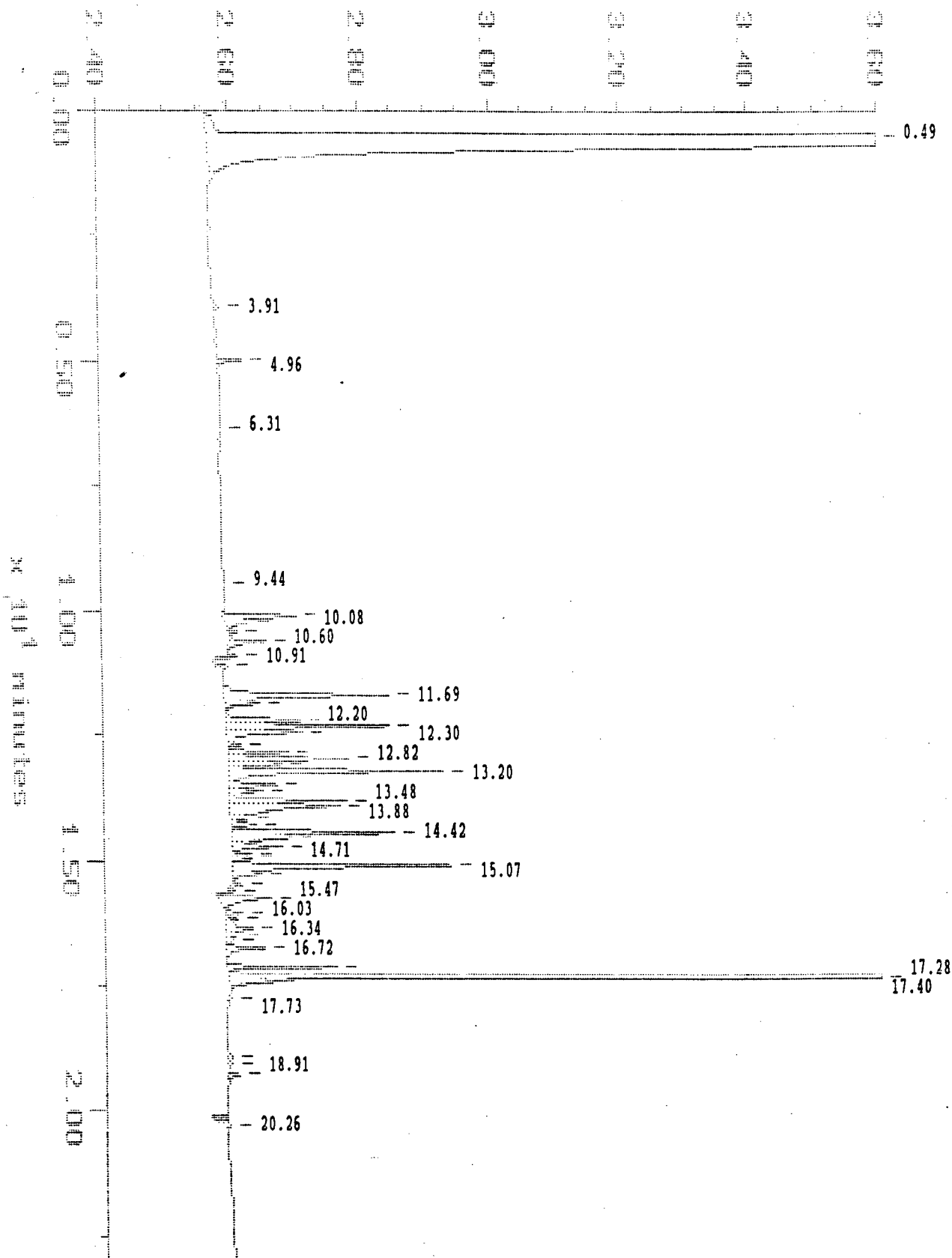
000397

Sample: AR1254 0.450ng Channel: ECD 846
Acquired: 05-SEP-90 13:19 Method: C:\MAX\846\AG0905NA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 PSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090513
Operator: JWM

JWM

$\times 10^{-2}$ volts



000398

MAXIMA 820 CUSTOM REPORT

Printed: 5-SEP-1990 14:25:22

SAMPLE: AR1254 0.450ng

#13 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 13:19

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090513

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.49	0.02	BB	16449.57	274727.05			
3.91	0.19	BB	75.34	253.99			
4.96	0.24	BB	370.86	1389.31			
6.31	0.31	BB	28.49	69.22			
9.44	0.47	BB	27.18	445.82	0.0001	0.0001	HEPTACHLOR
10.08	0.50	BB	1094.34	6800.96			
10.19	0.50	SS	99.54	268.32			
10.41	0.51	SS	90.72	341.84			
10.60	0.52	BB	552.65	2855.37			
10.91	0.54	BP	269.89	908.06			
11.10	0.55	PB	159.38	1078.84			
11.69	0.58	BB	2570.03	15245.50			
11.84	0.58	SS	278.12	902.91			
12.20	0.60	BP	1116.40	5719.61	0.0053	0.0053	ENDOSULFAN I
12.30	0.61	PP	2531.53	11542.79	0.0111	0.0111	alpha-CHLORDANE
12.43	0.61	PP	1172.66	6718.36			
12.69	0.63	PP	189.78	788.80			
12.82	0.63	PP	914.81	3877.24			
12.95	0.64	PP	1879.57	8238.25			
13.07	0.64	PP	828.27	4358.03	0.0072	0.0072	pp'-DDE
13.20	0.65	PP	3299.00	16740.04			
13.48	0.67	PP	747.92	3476.43			
13.59	0.67	PP	523.45	2634.04			
13.78	0.68	PP	1834.75	6869.01			
13.88	0.69	PP	1723.89	13083.08			
14.12	0.70	PP	278.95	1432.88	0.0033	0.0033	pp'-DDD
14.27	0.70	PP	394.82	1607.08			
14.42	0.71	PP	2567.77	16701.67			
14.52	0.72	SS	207.07	734.57			
14.71	0.73	PP	777.01	3614.91			
14.88	0.73	PP	301.60	1064.59			
14.94	0.74	PP	311.97	1155.94	0.0019	0.0019	pp'-DDT
15.07	0.74	PB	3381.37	19354.65			
15.25	0.75	SS	190.97	667.89			

000399

A 6090513

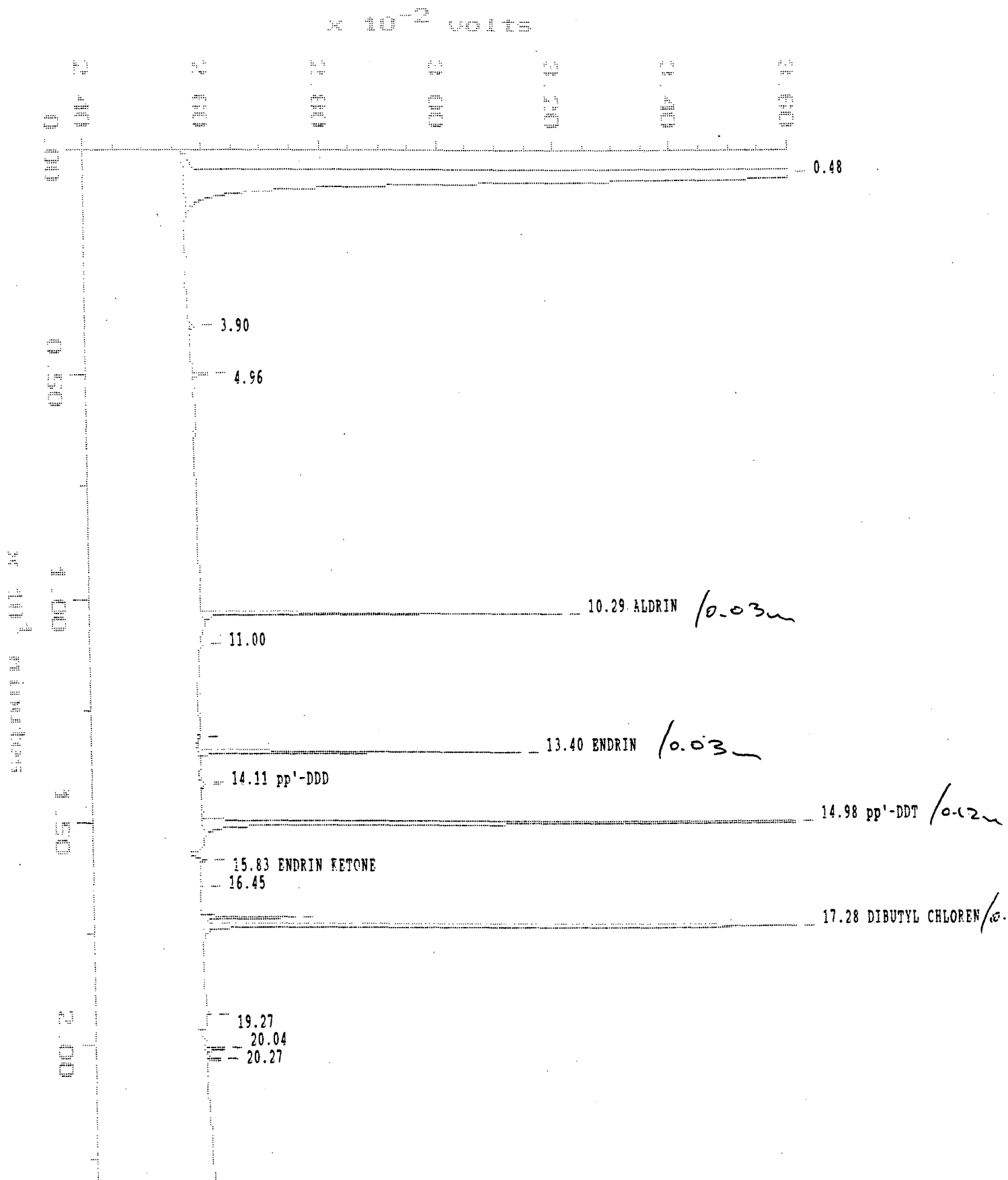
15.47	0.76	BP	184.30	583.03			
15.59	0.77	PP	194.55	626.87			
15.73	0.78	PB	821.11	4899.74			
16.03	0.79	BP	269.77	976.63			
16.16	0.80	PP	169.52	648.12			
16.34	0.81	PP	392.20	2688.69			
16.45	0.81	PP	195.03	925.85			
16.56	0.82	PP	99.66	431.44			
16.72	0.83	PB	595.33	2781.84			
17.10	0.84	BP	1718.40	5640.16			
17.28	0.85	PB	44320.95	144515.77	0.2974!!	0.2974!!	DIBUTYL CHLOREN
17.40	0.86	SS	226.50	716.79			
17.73	0.88	BB	41.37	137.74			
18.91	0.93	BP	77.37	377.73			
19.04	0.94	PB	46.13	202.35			
19.27	0.95	BB	179.05	567.83			
20.26	1.00	BB	84.16	703.72			
TOTAL			96855.06	603091.32	0.3263!!	0.3263!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000400

Sample: EVAL B Channel: ECD 846
Acquired: 05-SEP-90 17:10 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090521
Operator: JWM



000401

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:26:59

SAMPLE: EVAL B

#21 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 17:10

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090521

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.48	0.02	BB	16638.40	257698.44			
3.90	0.19	BB	74.27	254.97			
4.96	0.24	BB	271.92	1072.61			
10.29	0.51	BB	6173.13	18912.49	0.0275	0.0275	ALDRIN
11.00	0.54	BB	37.91	112.35			
13.06	0.64	BB	32.31	104.85	0.0003	0.0003	pp'-DDE
13.40	0.66	BB	5526.30	16821.96	0.0290	0.0290	ENDRIN
14.11	0.70	BP	79.99	254.46	0.0010	0.0010	pp'-DDD
14.17	0.70	PB	35.41	116.26	0.0002	0.0002	ENDRIN ALDEHYDE
14.98	0.74	BB	18423.44	65720.04	0.1141	0.1141	pp'-DDT
15.83	0.78	BB	169.16	807.92	0.0008	0.0008	ENDRIN KETONE
16.45	0.81	BB	31.35	108.47			
17.10	0.84	BP	1578.93	5230.02			
17.28	0.85	PB	21992.45	70950.70	0.1476	0.1476	DIBUTYL CHLOREN
19.27	0.95	BB	77.49	235.33			
20.04	0.99	BB	321.87	1087.35			
20.27	1.00	BB	216.96	800.20			
TOTAL			71681.27	439688.43	0.3204	0.3204	

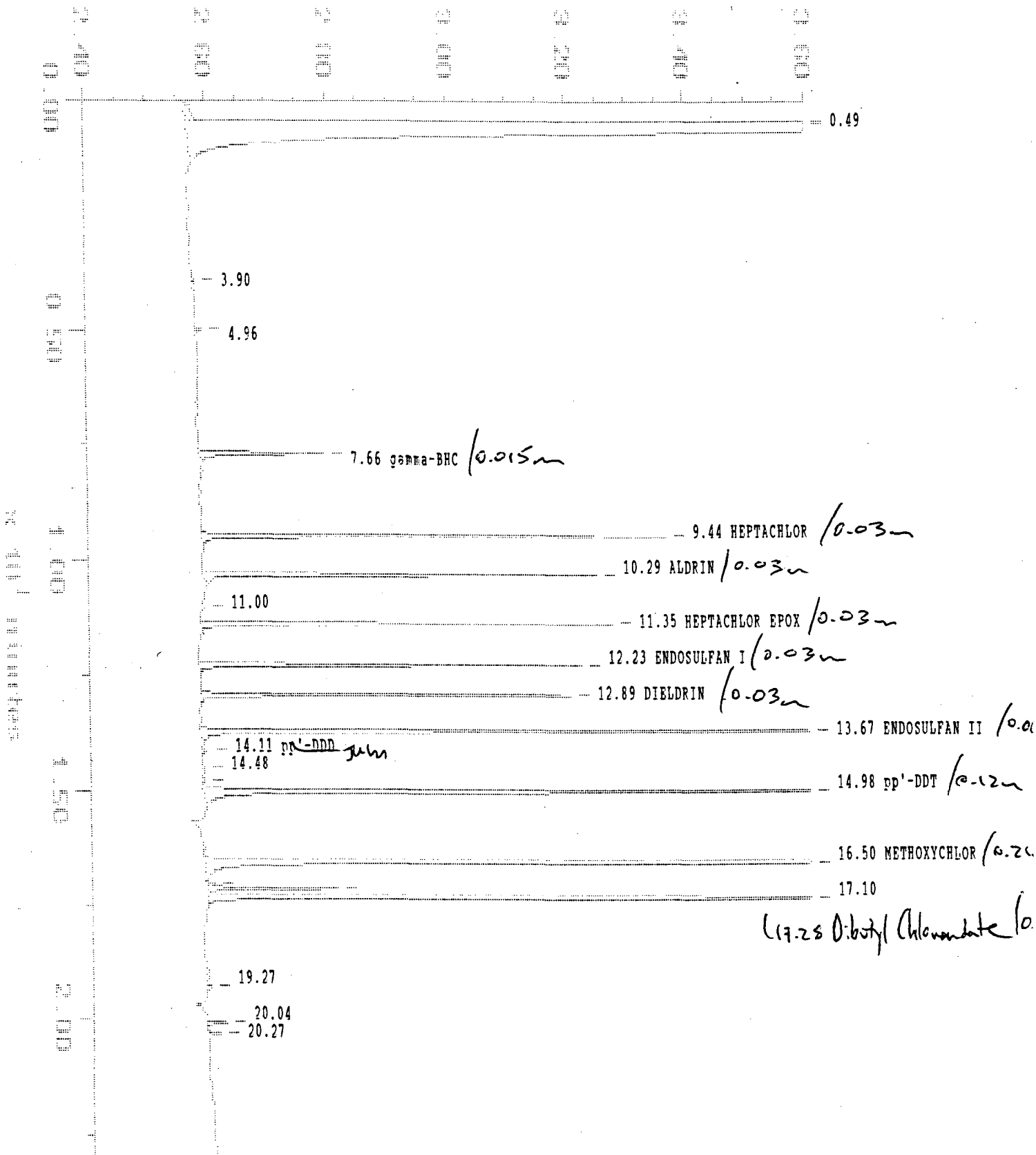
000402

Sample: IND A 50% Channel: ECD 846
Acquired: 05-SEP-90 20:33 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090528
Operator: JWM

JWM

x 10⁻² volts



000403

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:29:12

SAMPLE: IND A 50%

#28 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 5-SEP-1990 20:33

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JMW

Type: UNKN

Instrument: HP846

Filename: AG090528

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.42	0.02	BP	15627.27	36800.40			
0.49	0.02	PB	15930.42	227055.75			
3.90	0.19	BB	46.61	144.45			
4.96	0.24	BB	102.16	348.11			
7.66	0.38	BB	2073.05	7930.52	0.0151!	0.0151!	gamma-BHC
9.44	0.47	BB	7755.16	24204.63	0.0303!	0.0303!	HEPTACHLOR
10.29	0.51	BB	6582.50	20010.56	0.0293	0.0293	ALDRIN
11.00	0.54	BB	44.47	141.84			
11.35	0.56	BB	6880.40	21153.02	0.0302!	0.0302!	HEPTACHLOR EPOX
12.23	0.60	BB	6398.20	19985.87	0.0302!	0.0302!	ENDOSULFAN I
12.89	0.64	BB	6182.91	18671.98	0.0301!	0.0301!	DIELDRIN
13.67	0.67	BB	11618.26	38559.66	0.0604!	0.0604!	ENDOSULFAN II
14.11	0.70	BB	85.35	302.02	0.0010	0.0010	~~pp'-DDD~~
14.48	0.71	BB	32.90	86.73			
14.76	0.73	BB	25.75	76.22	0.0001	0.0001	ENDOSULFAN SULF
14.98	0.74	BB	19555.69	69117.42	0.1211!	0.1211!	pp'-DDT
16.50	0.81	BB	18151.05	70939.50	0.2105!	0.2105!	METHOXYCHLOR
17.02	0.84	BP	120.52	319.15			
17.10	0.84	PP	2197.03	7224.28			
17.28	0.85	PB	22546.53	72729.12	0.1513!	0.1513!	DIBUTYL CHLOREN
19.27	0.95	BB	77.61	231.97			
20.04	0.99	BB	319.60	1074.46			
20.27	1.00	BB	199.79	717.34			
TOTAL			142553.23	637825.04	0.7096!	0.7096!	

! Result calculation based on peak response ratio outside of calibration range.

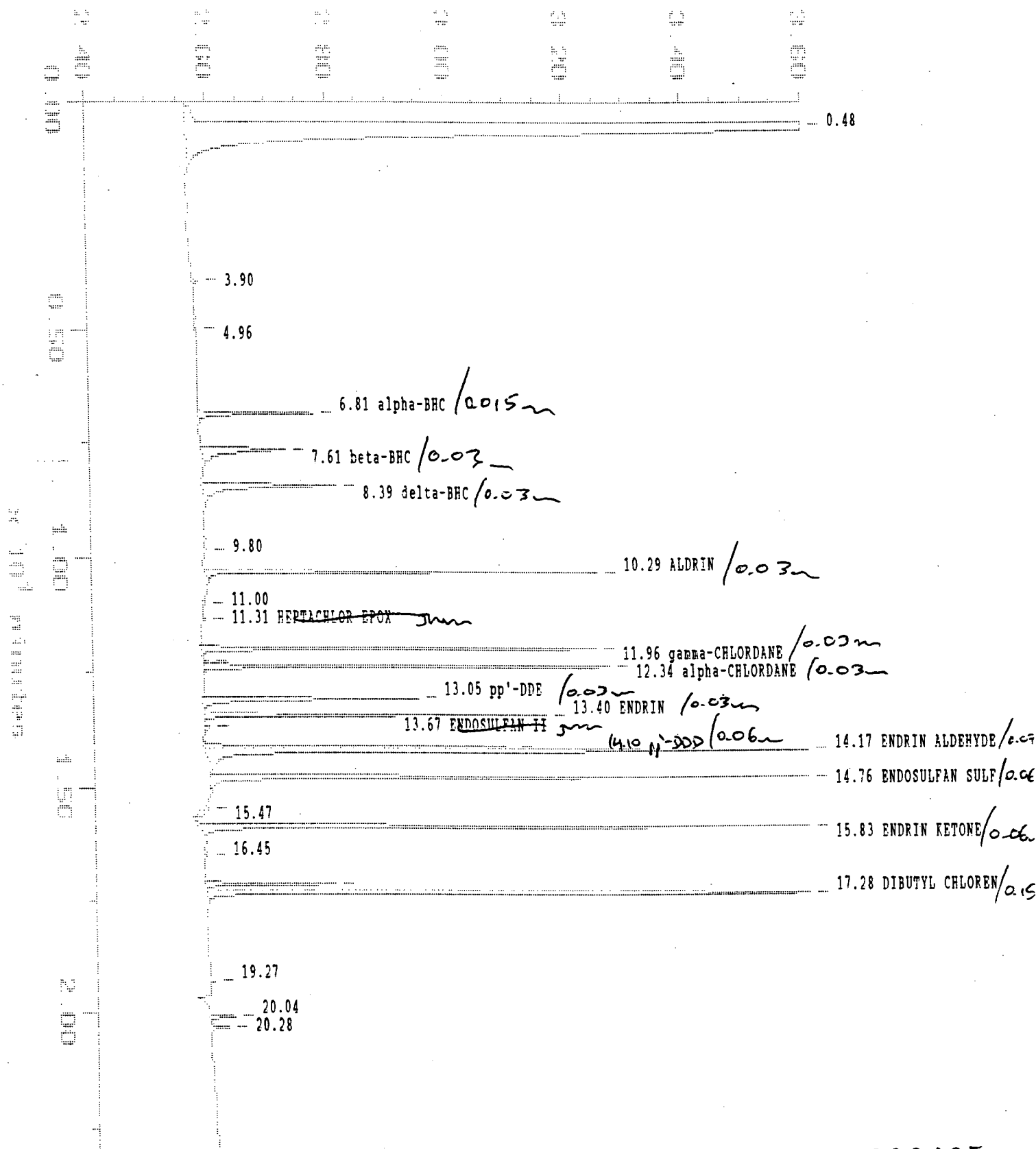
000404

Sample: IND B 50% Channel: ECD 846
Acquired: 06-SEP-90 2:19 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090540
Operator: JWM

JWM

$\times 10^{-2}$ volts



000405

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:37:14

SAMPLE: IND B 50*

#40 in Method: CLP.PESTAN/GC608GA:RTX-5

Acquired: 6-SEP-1990 2:19

Rate: 3.0 points/sec

Duration: 23.502 minutes

Operator: JWM

Type: UNKN

Instrument: HP846

Filename: AG090540

Index: Disk

Injection Volume: 3.0

Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.48	0.02	BB	15322.45	238673.20			
3.90	0.19	BB	99.54	359.67			
4.96	0.24	BB	36.60	245.56			
6.81	0.34	BB	1938.70	7491.53	0.0153!	0.0153!	alpha-BHC
7.61	0.38	BB	1437.78	9177.18	0.0307!	0.0307!	beta-BHC
8.39	0.41	BB	2264.38	13248.38	0.0310!	0.0310!	delta-BHC
9.80	0.48	BB	31.95	99.85			
10.29	0.51	BB	6623.63	19996.78	0.0295	0.0295	ALDRIN
11.00	0.54	BB	42.68	135.34			
11.31	0.56	BB	70.69	233.82	0.0003	0.0003	~~HEPTACHLOR EPOX~~
11.96	0.59	BB	6658.20	20889.85	0.0300	0.0300	gamma-CHLORDANE
12.23	0.60	BP	93.10	276.28	0.0004	0.0004	~~ENDOSULFAN I~~
12.34	0.61	PB	6861.45	21181.27	0.0301!	0.0301!	alpha-CHLORDANE
13.05	0.64	BP	3633.14	14416.73	0.0316!	0.0316!	pp'-DDE
13.40	0.66	PB	5806.57	17758.11	0.0305!	0.0305!	ENDRIN
13.67	0.67	BB	95.73	311.72	0.0005	0.0005	~~ENDOSULFAN II~~
14.10	0.70	BP	5230.19	15502.97	0.0627!	0.0627!	pp'-DDD
14.17	0.70	PB	11482.36	48563.80	0.0741	0.0741	ENDRIN ALDEHYDE
14.76	0.73	BB	11130.81	38448.06	0.0597	0.0597	ENDOSULFAN SULF
15.47	0.76	BP	92.86	978.02			
15.83	0.78	PB	12882.71	43726.36	0.0596	0.0596	ENDRIN KETONE
16.45	0.81	BB	27.42	79.59			
17.10	0.84	BP	2196.07	7157.38			
17.28	0.85	PB	22152.90	71939.55	0.1486	0.1486	DIBUTYL CHLOREN
19.27	0.95	BB	76.41	236.99			
20.04	0.99	BB	436.19	1494.82			
20.28	1.00	BB	297.55	1117.13			
TOTAL			117022.05	593739.96	0.6347!	0.6347!	

! Result calculation based on peak response ratio outside of calibration range.

000406

PESTICIDE ANALYSIS
RAW QC DATA PACKAGE



aquatec

ENVIRONMENTAL SERVICES

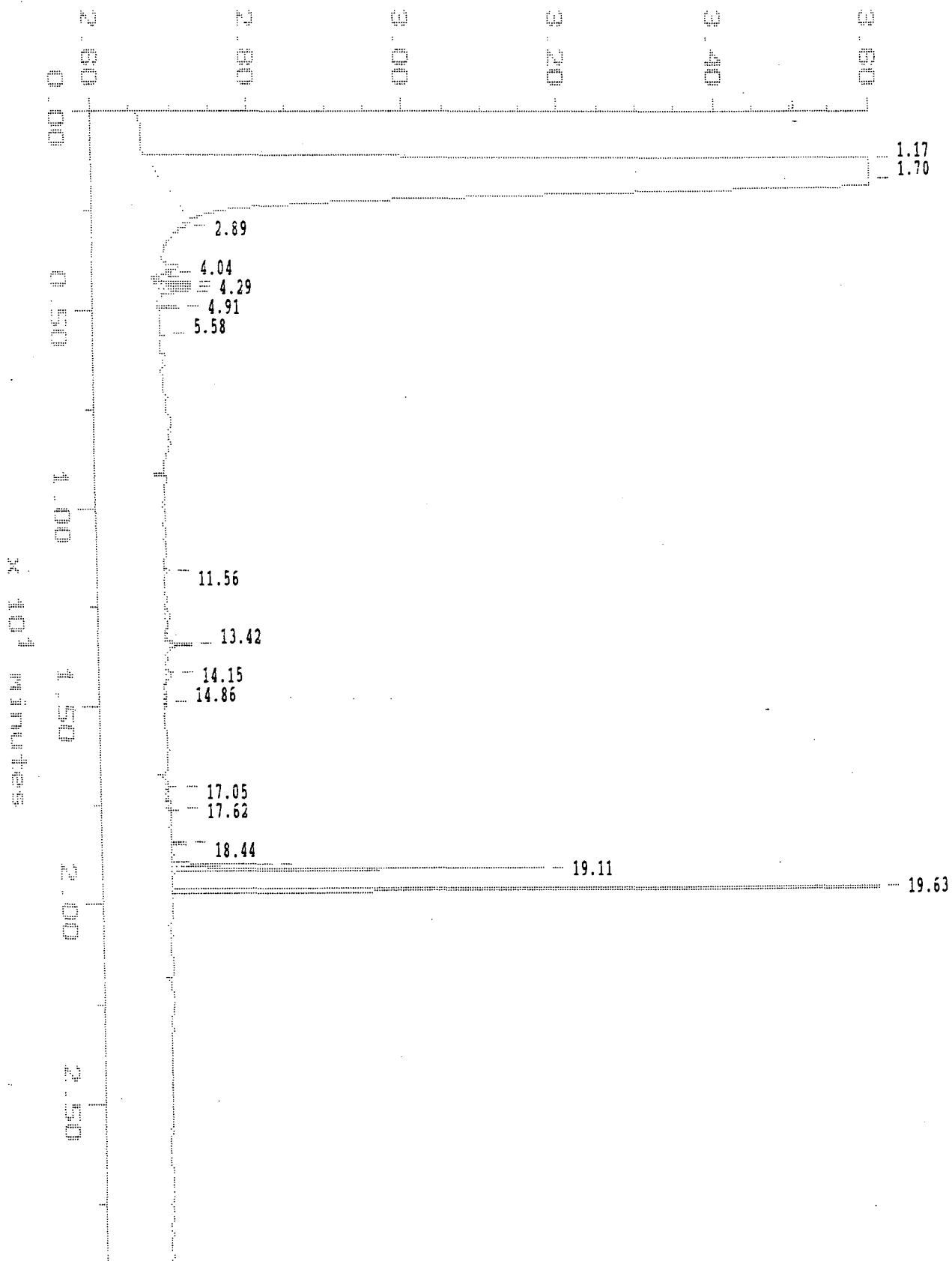
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

Sample: PBLKT6 SULF Channel: ECD 764
Acquired: 05-SEP-90 15:45 Method: C:\MAX\764\AI0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP764 ECD RTX-35 ID# 10424-12807A

Filename: AI090516
Operator: JWM



$\times 10^{-2}$ volts



000407

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:49:24

SAMPLE: PBLKT6 SULP
#16 in Method: CLP.PESTAN/GC6081A:RTX-35
Acquired: 5-SEP-1990 15:45
Rate: 3.0 points/sec
Duration: 29.198 minutes
Operator: JWN

Type: UNKN
Instrument: HP764
Filename: AI090516
Index: Disk
Injection Volume: 3.0
Dilution: 1.000

DETECTOR: ECD 764

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
1.17	0.06	BB	47645.46	1195193.28			
1.70	0.09	SS	2673.63	13470.90			
2.89	0.15	BB	66.52	234.90			
4.04	0.21	BP	107.41	607.89			
4.19	0.21	PP	100.14	106.87			
4.29	0.22	PP	468.25	2164.74			
4.42	0.22	PP	401.97	1467.54			
4.51	0.23	PB	330.09	1161.46			
4.91	0.25	BB	264.64	818.72			
5.58	0.28	BB	53.05	168.72			
11.56	0.59	BB	51.62	171.21			
13.42	0.68	BB	294.80	877.03	0.002	0.002	ALBRIN
14.15	0.72	BB	75.94	886.91			
14.86	0.76	BB	42.80	754.70			
17.05	0.87	BB	135.30	608.17			
17.62	0.90	BB	120.76	408.29	0.001	0.001	ENDOSULFAN II
18.44	0.94	BB	199.68	737.36			
18.98	0.97	BP	1281.02	4319.14			
19.11	0.97	PB	4770.88	13731.56			
19.63	1.00	BB	24737.12	72836.35	0.256!!	0.256!!	DIBUTYL CHLOR
TOTAL			83821.07	1310725.72	0.260!!	0.260!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000403

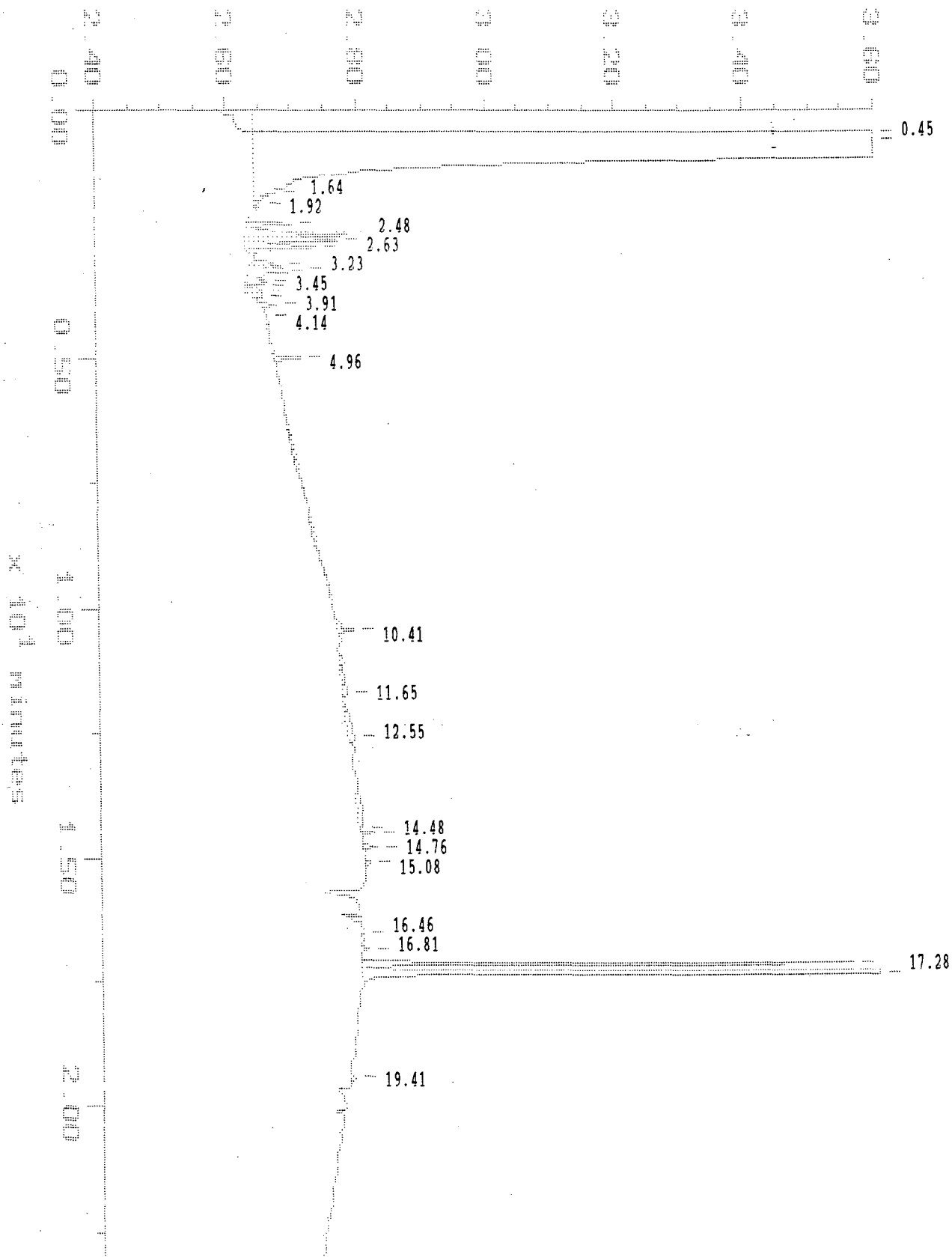
Sample: PBLKT6 SULF Channel: ECD 846
Acquired: 05-SEP-90 14:46 Method: C:\MAX\846\AG0905MA
Dilution: 1 : 1.000 Inj Vol: 3.00
Comments: AQUATEC, INC. HP846 FSC RTX-5 WIDEBORE 0.32mm ID# 10224-7333A

Filename: AG090516

Operator: JWM

JWM

$\times 10^{-2}$ volts



000409

MAXIMA 820 CUSTOM REPORT

Printed: 6-SEP-1990 7:48:45

SAMPLE: PBLKT6 SULF
 #16 in Method: CLP.PESTAN/GC608GA:RTX-5
 Acquired: 5-SEP-1990 14:46
 Rate: 3.0 points/sec
 Duration: 23.502 minutes
 Operator: JWM

Type: UNKN
 Instrument: HP846
 Filename: AG090516
 Index: Disk
 Injection Volume: 3.0
 Dilution: 1.000

DETECTOR: ECD 846

Retention Time (minutes)	Relative Time (vs DBC)	Type	Peak Height	Peak Area	Solution Conc (ng)	Original Conc (ng)	Component Name
0.45	0.02	DB	113362.68	1828555.48			
0.59	0.03	SS	8089.90	74817.71			
1.64	0.08	SS	64.61	291.15			
1.92	0.10	SS	69.98	430.03			
2.30	0.12	BP	692.49	2469.88			
2.48	0.13	PP	1592.40	12476.09			
2.63	0.14	PP	1407.39	5747.21			
2.75	0.14	PP	1087.43	4881.16			
2.88	0.15	PB	113.13	443.25			
3.13	0.16	BP	440.00	2379.91			
3.23	0.17	PP	804.07	5018.50			
3.45	0.18	PP	319.12	1847.43			
3.54	0.18	PP	316.50	442.73			
3.64	0.19	PP	257.25	826.90			
3.73	0.19	PP	193.60	997.76			
3.91	0.20	PB	258.09	1097.68			
4.14	0.21	BB	40.77	145.66			
4.96	0.26	BB	404.48	1284.22			
10.41	0.54	BB	225.31	-4406.71			
11.65	0.60	BB	74.98	2126.49			
12.55	0.65	BB	72.12	2570.42			
14.37	0.74	BP	53.76	2216.52			
14.48	0.75	PB	198.36	603.04			
14.76	0.76	BB	205.64	627.98	0.0011	0.0011	ENDOSULFAN SULF
15.08	0.78	BB	74.51	389.21			
16.46	0.85	BB	49.95	217.91	0.0006	0.0006	METHOXYCHLOR
16.81	0.87	BB	110.15	397.13			
17.10	0.88	BP	7604.36	24541.17			
17.28	0.89	PB	40901.55	137002.39	0.2744!!	0.2744!!	DIBUTYL CHLOREN
19.41	1.00	BB	55.07	195.95			
TOTAL			179139.64	2119447.65	0.2761!!	0.2761!!	

000410

SAMPLE PREPARATION PACKAGE



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403

TEL. 802/656-1074

Case:

Date: 8/30/90

Analyst: WAS

Aquacec
Sample I.D.

**Client
I.D.**

mls Sample

1.0 ml 280 ppm acid solution

list #46

1.0 mL 100 ppm BN surr.

1.0 ml 200 ppm acid matrix

1.0 ml 100 ppm BN matrix

by sample 11

80 ml CCl₄ (3X)

conc to 10 ml

5 ml through GPC

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ph sample 2

60 ml CH_2Cl_2 (3X)

TE DI 02 3803

5 mi through DC

code 01 02 2503


aquatec

710

000411

NEWARK 22840

Date 8/30/90



000412

254.1257

A-15.

●

157

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50 μ l of 20ppm

2/10/12

MS
Per
100 μ L of 2% w/v

st

60 mL MeCl_2 (3x)

conc + 10 ml

CG + TRS

solvent exchange
w/hexane

conc + 0.5 ml

adjust volume + 1 ml
w/acetone

alumina 6077/18

NAS
conc + 10 mL

[illegible]

(GMS ONAD VOA Run Log)

Time Description FILE NAME

0455	DOA001PV	SFBDO1	J# 110-118	A=32K		
0544	DOA050AHV	VSTD050	CRV# DOA-A			
0730	~~0730~~ DOA8001AV	Blank smc# VBLK28	+Arr. Soil	3.97g		
0854	DOA8002AV	Blank	SMC# VBLK29			
0953	D120340V	L# 120340	CLI# GS090	ETR# 22877	3.28g	
1229	D120344V	L# 120344	CLI# GS094	ETR# 22877	100%	
1328	D120342V	L# 120342	CLI# GS092	ETR# 22877	3.63g	
1425	D120343V	L# 120343	CLI# GS093	ETR# 22877	3.51g	
1531	D119465I3V	L# 119465	~~CLI#~~ ^{MS#} TRIPBLK	ETR# 22637	100%	
1635	D120230V	L# 120230	CLI# GS057	ETR# 22844	100%	
1736	D120370V	L# 120370	CLI# 7732, TRM	ETR# 22889	100%	
1900	DOA002PV	BFBDO2	S# 105, 107	A=39K		
1931	DOA050BHV	VSTD050	CRV# DOA-B			
2043	DOA8001BV	Blank	SMC# VBLK22	+3.69g act. soil		
2148	DOA8002BV	Blank	SMC# VBLK23			
2249	D120239V	L# 120239	CLI# GS066	ETR# 22844	3.22g	
2342	D120240V	L# 120240	CLI# GS067	ETR# 22844	3.08g	
9/6/90	0039 D120241V	L# 120241	CLI# GS068	ETR# 22844	3.89g	
	0122 D120241I2V	L# 120241	CLI# GS065	ETR# 22844	3.89g	
	0224 D120242V	L# 120242	CLI# GS069	ETR# 22844	4.39g	
	0355 D120237V	L# 120235	CLI# GS062	ETR# 22844	3.92g	
	~~D120236V~~	~~L#~~	~~CLI#~~	~~ETR#~~	~~3.92g~~	
0549	D120224V	L# 120224	CLI# ~~GS~~ ^{SF} SB7-5	ETR# 22843	3.92g	
-1.0	0729 DOA003PV	BFBDO3		A=39K		
	DOA050CHV	VSTD050	CRV# DOA-C			
0848	DOA050DHV	VSTD050	CRV# DOA-D			
0920	DOA004TPV	BFBDO4				
-1.0	0943 DOA050EHV	VSTD050	CRV# DOA-E	S-95, 99, 91, 85	A=40K	
1049	DOA8001EV	Blank	SMC# VBLK28			
1146	DOA8002EV	Blank	TCLP ZHE Blank	8/25/90		
1300	D119781V	L# 119781	SMC# 5526C-1-1	ETR# 22716	100%	
1354	D119783V	L# 119783	SMC# 5526C-1-3	ETR# 22716	100%	
1451	D119785DV	L# 119783	CLI# 5526C-1-4	ETR# 22716	60% SML	
1550	DOA80037V	Blank	cleaning blank			
	DOA8004V	Blank	acetone contam.			
	DOA8005V	Blank				
1917	D119779DV	L# 119779	CLI# 5526C-1-1	ETR# 22716		
2024	D119779MSV	L# 119779	MS CLI# 5526C-1-1MS	ETR# 22716		
2116	D119779MSV	L# 119779	MSD CLI# 5526C-1-1MSD	ETR# 22716		
2317	DOA005PV	BFBDO5	107-108	A=44K		
2334	DOA050FHV	VSTD050	IRV# DOA-F			

GCMS OLND Runlog VLA

Time	Filename	Description	Anal
0238	DOAB006FV	Blank SMO#BLKCB2	SJT
0403	D119781V	L#119781 CL#5526C-1-1 MSD ETR#22716 ^{2nd} 5th	SJT
	~~D119785V~~	~~SJT~~	
0540	D119785D2V	L#119785 CL#5526C-1-4 ETR#22716 ^{225th} 5th	SJT
	DOAB007FV		SPJ
	DOAB008FV		SPJ
	DOAB009FV		SPJ
	DOAB010FV		SPJ
	DOAB011FV		SPJ
	DOAB012FV		SPJ
	DOAB013FV		SPJ
	DOA006PV	BFBDO6	CMJ
1643	DOA007PV	BFBDO7	CMJ
1657	DOA0506HV	VSTD050 CRV#DOA-6	CMJ
1804	DOAB001GV	Blank SMO#VBLKBT	CMJ
1910	D120196V	L#120196 NYS#TRIP-BLANK ETR#22840 ¹⁰⁰⁷	CMJ
2010	D120197V	L#120197 NYS#907601 ETR#22840 ¹⁰⁰⁷	CMJ
2122	D119785V	L#119785 NYS#907601 5526C-1-4 ETR#22716 ^{5th}	CMJ
	9/9/90		
930	DOAC08PV	BFBDO8	S
1031	DOAC050HHV	VSTD050 CRV#DOA-H	S
1152	DOAC050IHV	VSTD050 CRV#DOA-I	S
1325	DOAB001IV	Blank SMO#VBLKCB9	S
1434	DOAB002IV	Blank SMO#VBLKCB2 + 3.88g artificial soil	S
1545	DOAB0032V	Blank SMO#VBLKCB2 + 3.73g Art. Soil	CMJ
1656	D119785DV	L#119785 CL#5526C-1-4 ETR#22716 0.0017%	CMJ
1807	D120441V	L#120441 CL#65095 ETR#22908 3.56g	CMJ
1901	D120442V	L#120442 CL#65096 ETR#22908 3.57g	CMJ
1953	D120444V	L#120444 CL#65098 ETR#22908 3.50g	CMJ
2047	D120446V	L#120446 CL#65100 ETR#22908 3.53g	CMJ
2144	D120448V	L#120448 CL#65102 ETR#22908 3.51g	CMJ
2248	DOA012PV	SPBD12 S#111,113-90,92 A=40 K	CMJ
9-10	DO02GDOA050JHV	VSTD050 CRV#DOA-J	SJT
0112	DOA050KHV	VSTD050 CRV#DOA-K	SJT
0300	DOAB003KV	Blank SMO#VBLKCB3 + Art. Soil 3.60g	SJT
0402	DOAB004KV	Blank SMO#VBLKCB4 + Art. Soil 3.79g	SJT
0513	DOAB005KV	Blank SMO#VBLKCB5 + Art. Soil 3.77g	SJT
0637	DOAB006KV	Blank SMO#VBLKCB6 + Art. Soil 3.61g	SJT
0745	DOAB007KV	Blank SMO#VBLKCB7 + Art. Soil 3.62g	SJT
0919	D120277V	L#120277 CL#65099 ETR#22908 3.08g	SPJ

000414

5100B BNA Run Log

Time File Desc

Analyst

9/4/90 - Cont.

8.16 CA

FC43

JV

9.49 BIT007B DFT00B04

JV

0.10 BIT0500S STD050

JV

2.03 B120830LTS Blank SMO#5131KL7 ETRH2083 1000ml

JV

13.16 B120090S L#120090 CIT#54040 FPH20832 1000ml

JV

4.34 B120094S L#12094 CIT#W401I FPH20832 1000ml

JV

15.47 L120095 L#120095 CIT#W402I ETR#22812 100%

1005ml CES

16.58 L120096 L#120096 CIT#W403I ETR#22812 100%

1005ml CES

18.05 L120096MS L#120096MS CIT#W403IMS ETR#22812 100%

1005ml CES

19.18 L120096MS L#120096MS CIT#W403IMS ETR#22812 100%

1005ml CES

20.75 L120096MS CLANK SMO#501K6 ETR#22812

1000ml CES

21.31 L120197 NYS#907601 ETR#22840

1005ml CES

22.52 BSEPTAS CLANK SEPTA EXTRACT 1ml

CES

9/5/90

8.43 CA

FC43

JV

BI

5/22/90 RNA Run Log

me File. Desc

Anal.

8/30/90 - Cont

9:40 B1199165

0:49 B1199185

12:14 B1199175

14:19 B119910EXS

SST0000 50 ppm Pyridine-5H₂O 0.5ml 5K
Pyridine + 447.15 ml Me₂SO

JFL
JFL
JFL
JFL

1828 B1100615 DFTPPB06

SES

1851 B116085 SST0160 CRV# 815

SES

2018 B116085 SST0020 CRV# 815

SES

2125 B116085 SST0120 CRV# 815

SES

2235 B116085 SST0060 CRV# 815

SES

2343 B116085 SST0050 CRV# 815

SES

0112 B11001PS DFTPPB01 S# 649-651

SJF

0140 B11050ABS SST0050 CRV# B11-A

SJF

BB0827L25 Blank SMO# 584K12 ETR# 22193 100%

SJF

0404 B80827L2I25 Blank SMO# 584K12 ETR# 22193

SJF

0516 B1176145 L# 117614 SMO# CHLHC5120 ETR# 22193 100%

SJF

0634 B1176155 L# 117615 SMO# CHLHC6120 ETR# 22193 100%

SJF

0752 B1176165 L# 117616 SMO# PAH5162 ETR# 22193 100%

SJF

9:14 B1176175 L# 117617 SMO# PAH6162 ETR# 22193 100%

JFL

10:23 B1176185 L# 117618 SMO# Halothane 5163 ETR# 22193 100%

JFL

11:36 B1176195 L# 117619 SMO# Halothane 5163 ETR# 22193 100%

JFL

12:52 B1176205 L# 117620 SMO# Phenol 5136 ETR# 22193 100%

JFL

14:10 B1176215 L# 117621 SMO# Phenol 5136 ETR# 22193 100%

JFL

15:31 B1176225 L# 117622 SMO# Phthalate 5164 ETR# 22193 100%

JFL

16:50 B1176235 L# 117623 SMO# PHTHALATE 5164 ETR# 22193

1000ml SES

18:02 B1176245 L# 117624 SMO# NITROAMINES 5155 ETR# 22193

1000ml SES

19:14 B1176255 L# 117625 SMO# NITROAMINES 6155 ETR# 22193

1000ml SES

20:33 B1176265 L# 117626 SMO# NITROAROMATICS 5145 ETR# 22193

1000ml SES

21:41 B1176275 L# 117627 SMO# NITROAROMATICS 6145 ETR# 22193

1000ml SES

22:49 B11002PS DFTPPB02

SES

23:14 B11003PS DFTPPB03

SES

23:39 B11000ABS SST0000 CRV# 815-B

SES

9/1/90

01:15 B80823K63 BLANK SMO# SOLK4L ETR# 22722

1000ml SES

02:29 B1197985 L# 119798 NYS#01 ETR# 22722 100%

1000ml SES

03:38 B1197995 L# 119799 NYS#02 ETR# 22722 100%

1000ml SES

04:55 B1198005 L# 119800 NYS#03 ETR# 22722 100%

1000ml SES

06:11 B1198015 L# 119801 NYS#04 ETR# 22722 100%

1000ml CH1

CASE/ETR NUMBER (3) ENNS 22812

RUN DATE 09/05/90

START RUN NUMBER 17247

RUN TIME (APPROX) 0821

NUMBER OF SAMPLES

GC ID HP 764

NOTES

COLUMN ID 10424-12807A

COLUMN DESCRIPTION RTX-35

GC OPERATOR mm

Quant.

RUN NO	NO.	SAMPLE DESCRIPTION
	00	
	01	Blank
17247	02	Evaluation mix a
	03	Evaluation mix b
	04	Evaluation mix c
	05	Pesticide mix a 50%
	06	Pesticide mix b 50%
	07	Acrolein 400 ppb
	08	Acrolein 1016 1260 2001200
	09	Acrolein 1221 250 ppb
	10	Acrolein 1232 250 ppb
	11	Acrolein 1247 200 ppb
	12	Acrolein 1248 200 ppb
	13	Acrolein 1254 150 ppb
	14	Blank
	15	PBLK1 1:1
	16	PBLK6 SULF 1:1
	17	120197 SULF 1:10
	18	120197 SULF 1:1
	19	119740 SULF 1:50
	20	Blank
(OW)	21	Evaluation mix b
	22	120090 RI 1:1
	23	120094 RI 1:1
	24	120095 RI 1:1
	25	120096 RI 1:1
	26	120097 RI 1:1
	27	Blank
(OW)	28	Pesticide mix a 50%
	29	120093 RI 1:1
	30	120099 RI 1:1
	31	120100 RI 1:1
	32	120090 RI M2 1:5
	33	120090 RI M2 1:5
	34	Blank
(OW)	35	Evaluation mix b
	36	120090 RI MS 1:1
	37	120090 RI MD 1:5
	38	Blank
	39	Pesticide mix a 50%
	40	Pesticide mix b 50%
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RUN NO	NO.	SAMPLE DESCRIPTION
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* ① NEWYRK 22340

AQUATEC INC
GC LOG DATA SHEET

② LAWMAT 22705 Pesticide/PCB

CASE/ETR NUMBER ③ ENUSCI 22812

START RUN NUMBER 6394

NUMBER OF SAMPLES

NOTES

copy

RUN DATE 09/05/90

RUN TIME (APPROX) 0759

GC ID HP 846

COLUMN ID 10224-7333A

COLUMN DESCRIPTION RTX-5

GC OPERATOR JWM

RUN No	No.	SAMPLE DESCRIPTION
	00	
	01	Blank
6394	02	Evaluation mix a
	03	Evaluation mix b
	04	Evaluation mix c
	05	Pesticide mix a 50%
	06	Pesticide mix b 50%
	07	Toxaphene 400 ppb
	08	Arachar 1016/1260 200 ppb
	09	Arachar 1221 250 ppb
	10	Arachar 1232 250 ppb
	11	Arachar 1247 200 ppb
	12	Arachar 1248 700 ppb
	13	Arachar 1254 150 ppb
	14	Blank
	15	PBLK01 1:1
	16	PBLK06 SULF 1:1
	17	120197 SULF 1:10
	18	120197 SULF 1:1
	19	119740 SULF 1:50
	20	Blank
OW	21	Evaluation mix b
	22	120090 RI 1:1
	23	120094 RI 1:1
	24	120095 RI 1:1
	25	120096 RI 1:1
	26	120097 RI 1:1
	27	Blank
OW	28	Pesticide mix a 50%
	29	120098 RI 1:1
	30	120099 RI 1:1
	31	120100 RI 1:1
	32	120090 RI MS 1:5
	33	120090 RI MO 1:5
	34	Blank
OW	35	Evaluation mix b
	36	120090 RI MS 1:1
	37	120090 RI MO 1:1
	38	Blank
	39	Pesticide mix a 50%
	40	Pesticide mix b 50%
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RUN No	No.	SAMPLE DESCRIPTION
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000418

3145124

SAMPLE HANDLING



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL 802/658-1074



USE THIS AIRBILL FOR DOMESTIC SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER

4855239185

4855239185

RECIPIENT'S COPY

From (Origin) Please Print D. Mizerak		Your Phone Number (Very Important) 518-457-9373		To (Recipient's Name) Please Print Maria Roy		Recipient's Phone Number (Very Important) (802) 658-1074	
Company NEW YORK DEPT/ENV CONSERVATION		Department/Floor No. Aqua Tec		Company Aqua Tec		Department/Floor No.	
Street Address 10 HOLF RD RM 218				Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. * Zip Codes.) 15 Greenhill Rd. N. Vt.			
City ALBANY		State NY		City South Burlington		State Vt.	
ZIP Required 12205		ZIP Required 05401					
OUR BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.) ATTN: Bart P. Pinks				IF HOLD FOR PICK-UP, Print FEDEX Address Here Street Address City State ZIP Required			
PAYMENT ☒ Bill Sender ☐ Bill Recipient's FedEx Acct. No. ☐ Bill 3rd Party FedEx Acct. No. ☐ Bill Credit Card				City State ZIP Required			
☐ Cash							

SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING		PACKAGES		WEIGHT In Pounds Only		FEDEX SERVICES		Emp. No.		Date		Federal Express Use	
☒ Priority Overnight Service (Delivery by next business morning)		☐ HOLD FOR PICK-UP (Fill in Box 1)		☒ DELIVER WEEKDAY		☐ 1		☐ 2		☐ 3		☐ 4		☐ 5	
☐ Standard Overnight Service (Delivery by next business afternoon)		☐ DANGEROUS GOODS		☐ CONSTANT SURVEILLANCE SVC. (CSS) (Extra charge) (Release Signature Not Applicable)		☐ 6		☐ 7		☐ 8		☐ 9		☐ 10	
☐ FEDEX PAK		☐ DRY ICE		☐ OTHER SPECIAL SERVICE		☐ 11		☐ 12		☐ 13		☐ 14		☐ 15	
☐ FEDEX BOX		☐ SATURDAY PICK-UP (Extra charge)		☐ DESCRIPTION		☐ 16		☐ 17		☐ 18		☐ 19		☐ 20	
☐ FEDEX TUBE		☐ DAY DELIVERY (if offered)		☐ DIM SHIPMENT (Heavy Weight Services Only)		☐ 21		☐ 22		☐ 23		☐ 24		☐ 25	
☐ ECONOMY SERVICE (formerly Standard Air) (Delivery by second business day)		☐ HEAVYWEIGHT (for Extra Label or air package over 10 lbs.)		☐ DEFERRED HEAVYWEIGHT		☐ 26		☐ 27		☐ 28		☐ 29		☐ 30	
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AQUATEC, INC. SAMPLE RECEIPT SHEET (SRS)

PROJECT NO. 87006

CASE NO. RB090

ETR NO. 22840

SDC NO. 0828

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seals on cooler

present/absent
intact/not-intact

1. Chain-of-Custody

present/absent

1. Sample Tags
Sample Tag Numbers

present/absent
listed/not listed on chain-of-custody

i Client Forms

present/absent

**DOCUMENT
CONTROL NO.**

AIRBILL NO. 4855239/85

DATE RECEIVED 8/29/90 2/000

SAMPLE CUSTODIAN

SIGNATURE Charles G. Oertle

[illegible]

[illegible]