TAM CERAMICS
#932028
Split Samples

RECRA ENVIRONMENTAL INC.

Chemical and Environmental Analysis Services

August 4, 1994

Mr. John Ryan
New York State Department of
Environmental Conservation
50 Wolf Road, Room 301
Albany, NY 12233-3502

RE: Analytical Results

Dear Mr. Ryan:

Please find enclosed results concerning the analyses of the samples recently submitted by your agency. The pertinent information regarding these analyses is listed below:

Contract #:	C002412
Case #:	RH994
SDG #:	0525
Matrix:	Water
Sample Received:	5/25/94
Sample Date:	5/25/94

If you have any questions concerning these data, please contact Ms. Deborah Carella, Program Manager, at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide New York State Department of Environmental Conservation with Environmental Testing Services. We look forward to serving you in the future.

Sincerely,

RECRA ENVIRONMENTAL, INC.

Candace L. Steady for DAC

Deborah A. Carella
Program Manager

J Ludwig for RKW

Robert K. Wyeth
Laboratory Director

I.D. #94-2519
#NY4A5020

DAC/RKW/dms
Enclosure: Disk
cc: Region #9

SAMPLE DATA SUMMARY PACKAGE

RECRA
ENVIRONMENTAL
INC.

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: RH994

SDG Number: 0525

Contract Number: C002412

Sample Identification: RH994 0525 A90616

METHODOLOGY

Analyses were performed in accordance with 1991 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic and Inorganic Data Comment Pages.

Sample identifications have been abbreviated due to the character limitations of the software.

Preliminary metals results were sent July 12, 1994 via facsimile to Mr. Michael Hinton of the NYSDEC by Ms. Deborah Carella of Recra Environmental, Inc.

Recra Environmental, Inc. was given extension on all late jobs by Mr. John Ryan of the NYSDEC per telephone conversation with Mr. Jim Stellrecht of Recra Environmental, Inc.

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Semivolatile Method Blank, SBLK37, exhibited the presence of two (2) Tentatively Identified Compound.

INORGANIC COMMENTS

The extra zzzzzz's found on the form 14's of the flame Inorganic Data represent the re-zeroing of the instrument after each sample.

The printer jammed during the Arsenic run of 6/16. We have included a printout of the data file for those portions of the run that were lost.

The times used for the four standards analyzed at the beginning of the ICP represent an estimate on our part. For this particular run the times do not appear on the instrument printout or the data file. Normally they appear on the printout.

This ICP run was done using the Automated autosampler. When the lab uses this the data file does not save the three individual replicate readings for each element it only saves the mean. This does not affect the hardcopy data report. It does affect the EPA Agency standard files submitted on the diskette. The Agency standard files require the separate replicates to be reported. In this case the mean has been reported three times.

" I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. 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 his designee, as verified by the following signature."

J. Gilbert for RKW

Robert K. Wyeth
Laboratory Director

8/4/94

Date

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME RECRA ENVIRONMENTAL, INC.

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	OTHER
RH994 0525 A90616	A4251901	-	ASP91	-	-	ASP91	-

NYSDEC-1

RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME RECRA ENVIRONMENTAL,INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
RH994 0525 A90616	WATER	05/25/94	05/25/94	05/28/94	06/30/94

NYSDEC-3

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
RH994 0525 A90616	WATER	TOTAL HSL	05/25/94	06/01,03/94	06/04,16,23,24/94

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL/CONC FACTOR
RH994 0525 A90616	WATER	ASP91	CONT	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
RH994 0525 A90616	WATER	ASP91	ASP91	AS REQUIRED	AS REQUIRED

ORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Organic Data Qualifiers:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.

L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.

T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a "P".

A - This flag indicates that a TIC is a suspected aldol-condensation product.

INORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Inorganic Data Qualifiers:

B	-	Indicates a value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
U	-	Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 100).
E	-	Indicates a value estimated or not reported due to the presence of interference.
S	-	Indicates value determined by Method of Standard Addition.
N	-	Indicates spike sample recovery is not within control limits.
*	-	Indicates duplicate analysis is not within control limits.
+	-	Indicates the correlation coefficient for Method of Standard Addition is less than 0.995.
M	-	Indicates duplicate injection results exceeded control limits.
W	-	Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
A90616

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A90616

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	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-Octyl Phthalate	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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A90616

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXEN-1-OL ISOMER	3.45	16	BJ
2. 930-68-7	2-CYCLOHEXEN-1-ONE	3.87	7	JN
3.	UNKNOWN	4.45	3	J
4.	DICHLOROBENZOIC ACID ISOMER	8.53	61	J

NYSDEC - ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.:0525__

Protocol Version: ASP91

NYSDEC Sample No.	Lab Sample ID.
_A90616_____	__0786_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

I certify that this data package is in compliance with the terms and conditions of the Protocol, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: RKW Name: Robert K. Wyeth_____

Date: 8/4/94 Title: Laboratory Director_____

NYSDEC ASP

1

NYSDEC SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

A90616

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Matrix (soil/water): WATER Lab Sample ID: 0786

Level (low/med): LOW__ Date Received: 05/25/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	317			P
7440-36-0	Antimony	6.0	U		F
7440-38-2	Arsenic	3.0	U		F
7440-39-3	Barium	85.0	B		P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	80900			P
7440-47-3	Chromium	12.0			A
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	20.0	B		P
7439-89-6	Iron	530			A
7439-92-1	Lead	4.0			F
7439-95-4	Magnesium	25200			P
7439-96-5	Manganese	57.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.0	U		P
7440-09-7	Potassium	4480	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	0.20	U		F
7440-23-5	Sodium	30900			P
7440-28-0	Thallium	6.0	U	W	F
7440-62-2	Vanadium	10.0	U		P
7440-66-6	Zinc	38.0			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID:_A4251901

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	A90616	82	82	58	64	85	102	79	87	0
02	SBLK37	71	87	75	53	65	88	68	60	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID: 16404W Lab Sample ID: AR017109

Instrument ID: I50W Date Extracted: 05/28/94

Matrix: (soil/water) WATER Date Analyzed: 06/30/94

Level:(low/med) LOW Time Analyzed: 0853

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A90616	A4251901	16405W	06/30/94

COMMENTS: SBLK36 JOB2406 AW40000192
AUTOSAMPLR I50W

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	10	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-Octyl Phthalate	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

1F

EPA SAMPLE NO.

SBLK37

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		CYCLOHEXEN-1-OL ISOMER	3.45	3	J
2.		UNSATURATED HYDROCARBON	4.92	10	J

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	90.0	U	90.0	U	90.0	U	90.0	U	90.000	U	P
Antimony	6.0	U	6.0	U	6.0	U			6.000	U	F
Arsenic	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Barium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Chromium	10.0	U	10.0	U					10.000	U	A
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	60.0	U	60.0	U					60.000	U	A
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	F
Magnesium	100.0	U	100.0	U	100.0	U	100.0	U	100.000	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.200	U	CV
Nickel	30.0	U	30.0	U	30.0	U	30.0	U	30.000	U	P
Potassium	200.0	U	200.0	U	200.0	U	200.0	U	200.000	U	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Silver	0.2	U	0.2	U	0.2	U			0.200	U	F
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Thallium	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	F
Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

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) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			90.0	U	90.0	U	90.0	U			P
Antimony											NR
Arsenic			3.0	U	3.0	U	3.0	U			F
Barium			20.0	U	20.0	U	20.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium											NR
Cobalt			10.0	U	10.0	U	10.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron											NR
Lead			2.0	U	2.0	U	2.0	U			F
Magnesium			100.0	U	100.0	U	100.0	U			P
Manganese			5.0	U	5.0	U	5.0	U			P
Mercury											NR
Nickel			30.0	U	30.0	U	30.0	U			P
Potassium			200.0	U	200.0	U	200.0	U			P
Selenium			3.0	U	3.0	U	3.0	U			F
Silver											NR
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			6.0	U	6.0	U					F
Vanadium			10.0	U	10.0	U	10.0	U			P
Zinc			10.0	U	10.0	U	10.0	U			P
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

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) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			90.0	U							P
Antimony											NR
Arsenic			3.0	U							F
Barium			20.0	U							P
Beryllium			3.0	U							P
Cadmium			5.0	U							P
Calcium			1000.0	U							P
Chromium											NR
Cobalt			10.0	U							P
Copper			10.0	U							P
Iron											NR
Lead			2.0	U	2.0	U					F
Magnesium			100.0	U							P
Manganese			5.0	U							P
Mercury											NR
Nickel			30.0	U							P
Potassium			200.0	U							P
Selenium			3.0	U							F
Silver											NR
Sodium			1000.0	U							P
Thallium											NR
Vanadium			10.0	U							P
Zinc			10.0	U							P
Cyanide											NR

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID (Standard): 16403W Date Analyzed: 06/30/94

Instrument ID: I50W Time Analyzed: 0825

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	19340	4.67	63580	5.97	31620	8.44
	UPPER LIMIT	38680	5.17	127160	6.47	63240	8.94
	LOWER LIMIT	9670	4.17	31790	5.47	15810	7.94
	EPA SAMPLE NO.						
01	A90616	19390	4.55	75450	5.80	35822	8.22
02	SBLK37	22148	4.62	58590	5.88	35342	8.34

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID (Standard): 16403W Date Analyzed: 06/30/94

Instrument ID: I50W Time Analyzed: 0825

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	38250	11.17	29420	16.54	17336	19.15
	UPPER LIMIT	76500	11.67	58840	17.04	34672	19.65
	LOWER LIMIT	19125	10.67	14710	16.04	8668	18.65
	EPA SAMPLE NO.						
01	A90616	49504	10.95	39157	16.39	23428	19.10
02	SBLK37	47606	11.09	30868	16.49	27252	19.15

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

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SAMPLE DATA PACKAGE

RECRA
ENVIRONMENTAL
INC.

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: RH994

SDG Number: 0525

Contract Number: C002412

Sample Identification: RH994 0525 A90616

METHODOLOGY

Analyses were performed in accordance with 1991 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic and Inorganic Data Comment Pages.

Sample identifications have been abbreviated due to the character limitations of the software.

Preliminary metals results were sent July 12, 1994 via facsimile to Mr. Michael Hinton of the NYSDEC by Ms. Deborah Carella of Recra Environmental, Inc.

Recra Environmental, Inc. was given extension on all late jobs by Mr. John Ryan of the NYSDEC per telephone conversation with Mr. Jim Stellrecht of Recra Environmental, Inc.

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Semivolatile Method Blank, SBLK37, exhibited the presence of two (2) Tentatively Identified Compound.

INORGANIC COMMENTS

The extra zzzzzz's found on the form 14's of the flame Inorganic Data represent the re-zeroing of the instrument after each sample.

The printer jammed during the Arsenic run of 6/16. We have included a printout of the data file for those portions of the run that were lost.

The times used for the four standards analyzed at the beginning of the ICP represent an estimate on our part. For this particular run the times do not appear on the instrument printout or the data file. Normally they appear on the printout.

This ICP run was done using the Automated autosampler. When the lab uses this the data file does not save the three individual replicate readings for each element it only saves the mean. This does not affect the hardcopy data report. It does affect the EPA Agency standard files submitted on the diskette. The Agency standard files require the separate replicates to be reported. In this case the mean has been reported three times.

" I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. 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 his designee, as verified by the following signature."

J. Gilmont for RKW

Robert K. Wyeth
Laboratory Director

8/4/94

Date

ORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Organic Data Qualifiers:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.

L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.

T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a "P".

A - This flag indicates that a TIC is a suspected aldol-condensation product.

INORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Inorganic Data Qualifiers:

B	-	Indicates a value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
U	-	Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 100).
E	-	Indicates a value estimated or not reported due to the presence of interference.
S	-	Indicates value determined by Method of Standard Addition.
N	-	Indicates spike sample recovery is not within control limits.
*	-	Indicates duplicate analysis is not within control limits.
+	-	Indicates the correlation coefficient for Method of Standard Addition is less than 0.995.
M	-	Indicates duplicate injection results exceeded control limits.
W	-	Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Recra Environmental, Inc. CITY/STATE Amherst, NY

CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO. NA

CONTRACT NO. C002412 SOW NO.

RECEIVED
AUG - 5 1994

NYSDEC-REG. 9
FOIL
__REL __UNREL

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK EPA
Sample Data Summary Package	1	26	✓	
1. Inventory Sheet (Form DC-2)(Do not number)	NA	NA	NA	NA
2. SDG Case Narrative	27	32	✓	
3. Traffic Report	33	35		✓
4. Volatiles Data	NA	NA	NA	NA
a. QC Summary				
Surrogate Percent Recovery Summary (Form II VOA)				
Lab Control Sample Recovery (Form III VOA)				
Method Blank Summary (Form IV VOA)				
Tuning and Mass Calibration (Form V VOA)				
b. Sample Data				
TCL Results - (Form I VOA)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatograms (RIC) for each sample				
Form each sample:				
Raw spectra and background subtracted mass spectra of target compounds identified				
Mass spectra of all reported TIC's with three best library matches.				
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI VOA)				
RIC's and Quan Reports for all Standards				
Continuing Calibration (Form VI VOA)				
RIC's and Quan Reports for all Standards				
Internal Standard Area and RT Summary (Form VIII VOA)				
d. QC Data				
BFB				
Blank Data				
Matrix Spike Data				
Matrix Spike Duplicate Data				
		37	8/4/94 dms	
5. Semivolatiles Data / QC Summary	36	NA	✓	
a. Surrogate Percent Recovery Summary (Form II SV)	38	NA	✓	
MS/MSD Summary (Form III SV)	NA	NA	NA	NA
Method Blank Summary (Form IV SV)	39	NA	✓	
Tuning and Mass Calibration (Form V SV)	40	41	✓	
Internal Standard Area & RT Summary (Form VIII)	42	43	✓	
IDL's	44	46	✓	

8/4/94 dms

FORM DC-2-1

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO. NA

	PAGE NOs FROM	TO	CHECK LAB	EPA
5. Semivolatiles Data (cont.)	—	—	—	—
b. Sample Data	47	77	✓	—
TCL Results - (Form I SV)			✓	—
Tentatively Identified Compounds (Form I SV-TIC)			✓	—
Reconstructed total ion chromatograms (RIC)			✓	—
for each sample			✓	—
Form each sample:			✓	—
Raw spectra and background subtracted			✓	—
mass spectra of target compounds identified			✓	—
Mass spectra of all reported TIC's with three			✓	—
best library matches.			✓	—
c. Standards Data (All Instruments)	78	124	✓	—
Initial Calibration Data (Form VI SV)			✓	—
RIC's and Quan Reports for all Standards			✓	—
Continuing Calibration (Form VII SV)			✓	—
RIC's and Quan Reports for all Standards			✓	—
Internal Standard Area and RT Summary			✓	—
(Form VIII SV)			✓	—
d. QC Data	125	NA	✓	—
BFB	126	131	✓	—
Blank Data	132	146	✓	—
Matrix Spike Data	NA	NA	NA	NA
Matrix Spike Duplicate Data	↓	↓	↓	↓
Extraction Log	147	NA	✓	—
Pesticides	NA	NA	NA	NA
a. Surrogate Percent Recovery Summary (Form II PEST)				
MS/MSD Summary (Form III PEST)				
Method Blank Summary (Form IV PEST)				
Tuning and Mass Calibration (Form V PEST)				
b. Sample Data				
TCL Results - (Form I PEST)				
c. Standards Data (All Instruments)				
Evaluation Standards Summary (Form VIII PEST)				
Standard Summary (Form IX PEST)				
Identification Summary for Single Coponent				
Analytes (Form X PEST)				

8/4/94 dmc

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK EPA
6. Pesticides (cont.)	NA	NA	NA	NA
d. QC Data, BFB, Blank Data, Matrix Spike Data, Matrix Spike Duplicate Data				
7. Miscellaneous Data	465	NA	✓	
Original preparation and analysis forms or copies of preparation and analysis logbook pages	466	475	✓	
Internal sample and sample extract transfer chain-of-custody records	NA	NA	NA	NA
Screening records				
All instrument output, including strip charts from screening activities (describe or list)				
8. EPA Shipping/Receiving Documents	476	NA	✓	
Airbills (No. of shipments___)	NA	NA	NA	NA
Chain-of-Custody Records	477	478	✓ 8/4/94 dms	✓
Sample Tags	NA	NA	NA	NA
Sample Log-In Sheet (Lab & DCl)	479	NA	✓	
SDG Cover Sheet	480	483	✓	
Miscellaneous Shipping/Receiving Records (describe or list)	NA	NA	NA	NA
9. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				

FORM DC-2-3

8/4/94 dms

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO. NA

	PAGE NOs FROM	TO	CHECK LAB	EPA
. Other Records (describe or list)	484	NA	✓	
Telephone Communication Log	NA	NA	NA	NA
FAX TO NYSDEC	485	487	✓	
	NA	NA	NA	NA

. Comments: 8/4/94 dms

npleted by: (CLP Lab)	Deborah Carella/dms (Signature)	Deborah Carella (Printed Name/Title) Program Manager	8/4/94 (Date)
iited by: (EPA)	(Signature)	(Printed Name/Title)	(Date)

FORM DC-2-4

INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Recra Environmental, Inc. CITY/STATE Amherst, NY
CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO. NA
CONTRACT NO. C002412 ASP DATE

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II AND III.)

		PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
1.	Inventory Sheet (Form DC-2) (Do not number)	NA	NA	NA	NA
2.	Cover Page	15	NA	✓	
3.	Inorganic Analysis Data Sheet (FORM I - IN)	149	NA	✓	
4.	Initial & Continuing Calibration Verification (FORM IIA - IN)	150	153	✓	
5.	CRDL Standards For AA and ICP (FORM IIB - IN)	154	NA	✓	
6.	Blanks (FORM III - IN)	155	157	✓	
7.	ICP Interference Check Sample (FORM IV - IN)	158	NA	✓	
8.	Spike Sample Recovery (FORM VA - IN)	NA	NA	NA	NA
9.	Post Digest Spike Sample Recovery (FORM VB - IN)	↓	↓	↓	
10.	Duplicates (FORM VI - IN)	↓	↓	↓	
11.	Laboratory Control Sample (FORM VII - IN)	159	160	✓	
12.	Standard Addition Results (FORM VIII - IN)	NA	NA	NA	NA
13.	ICP Serial Dilutions (FORM IX - IN)	161	NA	✓	
14.	Instrument Detection Limits (FORM X - IN)	162	167	✓	
15.	ICP Interelement Correction Factors (FORM XIA - IN)	168	NA	✓	
16.	ICP Interference Correction Factors (FORM XIB - IN)	NA	NA	NA	NA
17.	ICP Linear Ranges (FORM XII - IN)	169	NA	✓	
18.	Preparation Log (FORM XIII - IN)	170	173	✓	
19.	Analysis Run Log (FORM XIV - IN)	174	193	✓	
20.	ICP Raw Data	195	310	✓	
21.	Furnace AA Raw Data	311	454	✓	
22.	Mercury Raw Data	455	461	✓	

FORM DC-2-IN-1 8/4/94 dms

INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RH994 SDG NO. 0525 SDG NOS. TO FOLLOW NA SAS NO. NA

	PAGE NOS: FROM	TO	CHECK LAB	NYSDEC
23. Cyanide Raw Data	NA	NA	NA	NA
24. Preparation Logs Raw Data	462	463	✓	—
25. Percent Solids Determination Log	NA	NA	NA	NA
26. Contract Lab Sample Information Sheet (CLSIS)	↓	↓	↓	↓
27. NYSDEC Shipping/Receiving Documents	NA	NA	NA	NA
Airbill (No. of Shipments ____)	477	478	—	✓
Chain-of-custody Records	NA	NA	NA	NA
Sample Tags	479	NA	✓	—
Sample Log-in Sheet (Lab & DC1)	480	483	✓	—
SDG Cover Sheet				
28. Misc Shipping/Receiving Records (list all individual records)				
Telephone Logs	NA	NA	NA	NA
29. Internal Lab Sample Transfer Records & Transfer Sheets (describe or list)	↓	↓	↓	↓
30. Internal Original Sample Prep & Analysis Records (describe or list)	↓	↓	↓	↓
Prep Records	↓	↓	↓	↓
Analysis Records	↓	↓	↓	↓
Description	↓	↓	↓	↓
31. Other Records (describe or list)				
Telephone Communications Log	485	487	✓	—
FAX TO NYSDEC	NA	NA	NA	NA

32. Comments:

8/4/94 dms

Completed by (CLP Lab)

Deborah Carella/dms
(Signature)

Deborah Carella
(Print Name & Title)
Program Manager

8/4/94
(Date)

Audited by (NYSDEC)

(Signature)

(Print Name & Title)

(Date)

FORM DC-2-IN-2

CHAIN OF CUSTODY DOCUMENTATION

Send This Sheet with Sample to Contract Lab

0034

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Part 3

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
- ☒ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☒ 27. Metals—23 in Water No MS, MSD
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 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—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-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:	TELEPHONE NUMBER:	REGION NO:
Michael Hinton	(716) 851-7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	5/25/94	1500

SAMPLE MATRIX:

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

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R H 9 9 4	0 5 2 5	A 9 0 6 1 1 6	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory 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

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME	NO OF CONTAINERS	1 Liter Glass	500ml Plastic	REMARKS
SAMPLERS (SIGNATURE) Michael J. Stanton					

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION							
A9061 6	5/25	1550		X	MW OMW-17T	2	1	1					Metals & Semivolatiles

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Michael J. Stanton	5/25/94 1645	D Bleau			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	

Distribution: Original accompanies shipment copy to coordinator field files

0035

SEMI-VOLATILE DATA

QC SUMMARY

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	A90616	82	82	58	64	85	102	79	87	0
02	SBLK37	71	87	75	53	65	88	68	60	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID: 16404W Lab Sample ID: AR017109

Instrument ID: I50W Date Extracted: 05/28/94

Matrix: (soil/water) WATER Date Analyzed: 06/30/94

Level: (low/med) LOW Time Analyzed: 0853

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A90616	A4251901	16405W	06/30/94

COMMENTS: SBLK36 JOB2406 AW40000192
AUTOSAMPLR I50W

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID: 16380W DFTPP Injection Date: 06/29/94

Instrument ID: I50W DFTPP Injection Time: 1601

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Present	52.9
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	45.0
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	22.7
365	Greater than 1.00% of mass 198	2.00
441	Present, but less than mass 443	7.8
442	40.0 - 110.0% of mass 198	63.2
443	17.0 - 23.0% of mass 442	13.0 (20.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK 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	SSTD050	16381W	06/29/94	1614
02	SSTD020	SSTD020	16383W	06/29/94	1718
03	SSTD080	SSTD080	16384W	06/29/94	1752
04	SSTD120	SSTD120	16385W	06/29/94	1825
05	SSTD160	SSTD160	16386W	06/29/94	1858

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID: 16402W DFTPP Injection Date: 06/30/94

Instrument ID: I50W DFTPP Injection Time: 0812

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Present	55.2
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	47.0
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	20.9
365	Greater than 1.00% of mass 198	1.68
441	Present, but less than mass 443	5.8
442	40.0 - 110.0% of mass 198	45.9
443	17.0 - 23.0% of mass 442	9.8 (21.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK 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	SSTD05O	16403W	06/30/94	0825
02	SBLK37	AR017109	16404W	06/30/94	0853
03	A90616	A4251901	16405W	06/30/94	0926

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID (Standard): 16403W Date Analyzed: 06/30/94

Instrument ID: I50W Time Analyzed: 0825

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	19340		4.67		63580		5.97		31620		8.44	
	UPPER LIMIT	38680		5.17		127160		6.47		63240		8.94	
	LOWER LIMIT	9670		4.17		31790		5.47		15810		7.94	
	EPA SAMPLE NO.												
01	A90616	19390		4.55		75450		5.80		35822		8.22	
02	SBLK37	22148		4.62		58590		5.88		35342		8.34	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Lab File ID (Standard): 16403W Date Analyzed: 06/30/94

Instrument ID: I50W Time Analyzed: 0825

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	38250		11.17		29420		16.54		17336		19.15	
	UPPER LIMIT	76500		11.67		58840		17.04		34672		19.65	
	LOWER LIMIT	19125		10.67		14710		16.04		8668		18.65	
	EPA SAMPLE NO.												
01	A90616	49504		10.95		39157		16.39		23428		19.10	
02	SBLK37	47606		11.09		30868		16.49		27252		19.15	

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

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

***** BNA IDL STUDY ***** Report Date: 01/24/94 Report Analyst: jg

	Instrument:		I50W	I50W	I50W	I50W	I50W	I50W	I50W			
	Lab File ID:		14543W	14544W	14545W	14546W	14547W	14548W	14549W			
	Analysis Date:		01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94			
	Analysis Time:		08:44	09:29	10:17	11:04	11:51	12:38	13:26			
Compound (units of measure = ng)										ave.	S.D.	IDL
1	CI30	1,4-DICHLOROBENZENE D4	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
2	CI40	NAPHTHALENE D8	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
3	CI50	ACENAPHTHENE D8	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
4	CI60	PHENANTHRENE D10	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
5	CI70	CHRYSENE D12	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
6	CI75	PERYLENE D12	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.00	0.00
7	CS75	1,2-DICHLOROBENZENE-D4	54.37	55.08	53.88	54.14	53.97	53.83	54.89	54.31	0.50	1.50
8	CS20	NITROBENZENE D5	54.46	53.05	52.53	52.42	53.86	54.07	52.14	53.22	0.91	2.74
9	CS25	2-FLUOROBIPHENYL	55.77	54.56	54.23	54.39	55.04	56.33	56.71	55.29	0.99	2.96
10	CS30	TERPHENYL D14	52.36	54.38	53.70	56.48	54.06	53.71	52.86	53.93	1.32	3.96
11	CS45	PHENOL D5	53.18	50.52	48.82	50.58	50.72	49.52	50.58	50.56	1.36	4.07
12	CS50	2-FLUOROPHENOL	52.72	54.55	54.72	54.01	54.15	54.68	55.19	54.29	0.79	2.38
13	CS70	2-CHLOROPHENOL-D4	54.87	53.16	53.33	52.98	53.16	53.34	53.18	53.43	0.65	1.94
14	CS55	2,4,6-TRIBROMOPHENOL	54.21	48.97	47.48	47.88	49.58	49.93	48.88	49.56	2.22	6.67
15	C315	PHENOL	58.25	51.10	52.12	51.91	56.08	53.18	58.15	54.40	3.04	9.12
16	C325	BIS(2-CHLOROETHYL) ETHER	56.61	55.05	54.76	54.16	56.05	55.01	57.17	55.54	1.09	3.27
17	C330	2-CHLOROPHENOL	54.11	53.50	52.70	52.36	53.01	52.54	54.19	53.20	0.74	2.23
18	C335	1,3-DICHLOROBENZENE	52.77	51.59	50.57	51.52	50.69	50.50	52.48	51.45	0.92	2.76
19	C340	1,4-DICHLOROBENZENE	52.29	55.23	53.32	54.42	53.08	53.45	53.26	53.58	0.96	2.88
20	C350	1,2-DICHLOROBENZENE	52.26	50.94	50.15	47.99	48.89	49.07	50.24	49.93	1.43	4.28
21	C355	2-METHYLPHENOL	54.39	53.40	53.13	53.26	52.42	52.45	53.17	53.17	0.67	2.00
22	C360	2,2'-OXYBIS(1-CHLOROPROPANE)	57.06	57.02	56.91	56.99	56.39	57.32	57.67	57.05	0.39	1.17
23	C365	4-METHYLPHENOL	53.45	56.47	55.17	52.57	52.16	52.64	51.34	53.40	1.81	5.43
24	C370	N-NITROSO-DI-N-PROPYLAMINE	62.32	57.75	58.06	57.27	59.13	59.63	61.95	59.44	2.01	6.03
25	C375	HEXACHLOROETHANE	52.93	52.74	52.69	53.12	52.53	52.94	53.55	52.93	0.33	1.00
26	C410	NITROBENZENE	53.30	51.10	50.99	48.54	48.42	49.69	49.91	50.28	1.70	5.09
27	C415	ISOPHORONE	53.10	52.22	52.44	52.23	53.16	53.55	51.68	52.62	0.66	1.97
28	C420	2-NITROPHENOL	54.30	52.15	51.17	49.06	50.19	50.29	50.44	51.09	1.70	5.11
29	C425	2,4-DIMETHYLPHENOL	55.68	55.15	55.06	53.59	54.39	56.47	54.47	54.97	0.94	2.82
30	C435	BIS(2-CHLOROETHOXY)METHANE	55.93	57.06	55.89	54.78	54.73	55.93	54.49	55.54	0.92	2.75
31	C440	2,4-DICHLOROPHENOL	50.43	50.69	51.32	53.13	51.82	52.31	51.15	51.55	0.95	2.84
32	C445	1,2,4-TRICHLOROBENZENE	51.54	50.95	51.88	51.49	51.77	52.32	50.99	51.56	0.49	1.46
33	C450	NAPHTHALENE	50.26	50.27	51.29	53.27	53.35	53.19	51.30	51.85	1.40	4.19
34	C455	4-CHLOROANILINE	55.86	54.27	54.38	51.48	52.78	53.30	53.08	53.59	1.40	4.19
35	C460	HEXACHLOROBUTADIENE	51.11	50.39	49.39	49.92	50.36	49.34	48.80	49.90	0.79	2.36
36	C465	4-CHLORO-3-METHYLPHENOL	52.83	51.90	50.41	50.85	52.42	56.67	51.58	52.38	2.07	6.21
37	C470	2-METHYLNAPHTHALENE	51.74	50.82	50.22	50.23	50.14	51.10	49.70	50.57	0.69	2.08
38	C510	HEXACHLOROCYCLOPENTADIENE	65.51	64.45	62.02	65.13	63.78	63.72	64.10	64.10	1.14	3.41
39	C515	2,4,6-TRICHLOROPHENOL	51.65	53.14	52.57	53.49	53.51	52.88	52.25	52.78	0.68	2.04

***** BNA IDL STUDY ***** Report Date: 01/24/94 Report Analyst: jg

		Instrument:	I50W	I50W	I50W	I50W	I50W	I50W	I50W			
		Lab File ID:	14543W	14544W	14545W	14546W	14547W	14548W	14549W			
		Analysis Date:	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94			
		Analysis Time:	08:44	09:29	10:17	11:04	11:51	12:38	13:26			
										ave.	S.D.	IDL
Compound (units of measure = ng)												
40	C520	2,4,5-TRICHLOROPHENOL	56.44	56.92	57.12	57.06	57.03	57.37	56.95	56.98	0.28	0.85
41	C525	2-CHLORONAPHTHALENE	49.52	52.24	51.93	52.06	51.08	49.26	49.94	50.86	1.27	3.82
42	C530	2-NITROANILINE	52.98	55.33	54.38	53.65	52.37	51.52	51.27	53.07	1.49	4.47
43	C535	DIMETHYL PHTHALATE	54.75	55.03	54.91	56.43	57.12	56.82	56.59	55.95	1.01	3.03
44	C540	ACENAPHTHYLENE	49.35	49.26	49.80	52.59	53.83	53.09	52.43	51.48	1.94	5.81
45	C542	2,6-DINITROTOLUENE	53.28	50.04	49.84	50.42	53.58	56.75	55.04	52.71	2.69	8.07
46	C545	3-NITROANILINE	50.43	50.17	48.25	50.48	51.58	55.13	55.06	51.58	2.59	7.78
47	C550	ACENAPHTHENE	53.74	51.90	50.99	51.84	51.80	53.60	53.18	52.44	1.06	3.18
48	C555	2,4-DINITROPHENOL	43.30	49.36	47.94	50.43	48.93	47.69	47.99	47.95	2.27	6.80
49	C560	4-NITROPHENOL	50.18	54.26	53.97	56.27	57.67	57.90	56.62	55.27	2.71	8.13
50	C565	DIBENZOFURAN	50.84	51.65	50.77	51.35	50.51	50.13	50.63	50.84	0.51	1.54
51	C570	2,4-DINITROTOLUENE	45.40	49.25	49.52	52.67	52.54	49.59	51.35	50.04	2.50	7.50
52	C580	DIETHYL PHTHALATE	52.68	53.89	53.01	55.49	55.76	55.21	56.00	54.58	1.37	4.10
53	C585	4-CHLOROPHENYL PHENYL ETHER	54.12	54.87	55.69	57.57	57.28	57.20	56.61	56.19	1.33	3.98
54	C590	FLUORENE	47.25	50.09	51.07	52.13	52.00	49.90	49.87	50.33	1.66	4.98
55	C595	4-NITROANILINE	47.94	52.77	52.37	53.85	53.38	51.11	52.06	51.92	1.97	5.92
56	C610	4,6-DINITRO-2-METHYL PHENOL	50.88	50.15	48.56	49.85	50.20	53.28	51.91	50.69	1.53	4.58
57	C615	N-NITROSODIPHENYLAMINE	60.64	60.40	58.28	56.83	55.08	56.85	56.05	57.73	2.13	6.40
58	C625	4-BROMOPHENYL PHENYL ETHER	56.13	55.26	52.69	52.29	51.95	53.39	52.55	53.47	1.60	4.81
59	C630	HEXACHLOROBENZENE	53.42	51.38	50.11	50.18	50.19	49.55	49.25	50.58	1.42	4.25
60	C635	PENTACHLOROPHENOL	50.59	52.95	50.89	50.65	50.22	50.18	49.77	50.75	1.04	3.11
61	C640	PHENANTHRENE	50.60	48.29	48.59	50.45	52.11	53.12	52.89	50.86	1.95	5.84
62	C645	ANTHRACENE	48.52	50.36	50.81	52.20	52.03	50.55	49.33	50.54	1.33	3.99
63	C647	CARBAZOLE	50.61	53.48	53.47	52.47	50.89	50.30	48.81	51.43	1.76	5.27
64	C650	DI-N-BUTYL PHTHALATE	56.64	55.83	55.70	57.68	57.51	58.49	58.53	57.20	1.17	3.51
65	C655	FLUORANTHENE	46.39	49.90	47.98	49.86	49.15	47.41	45.16	47.98	1.80	5.39
66	C715	PYRENE	49.76	49.98	50.65	52.02	51.25	51.37	51.15	50.88	0.80	2.41
67	C720	BUTYLBENZYLPHTHALATE	58.75	55.69	54.84	56.43	56.54	59.16	59.13	57.22	1.77	5.32
68	C725	3,3' DICHLOROBENZIDINE	50.87	51.61	51.47	52.61	51.70	51.46	49.85	51.37	0.85	2.54
69	C730	BENZO(A)ANTHRACENE	50.98	48.64	49.31	51.09	50.59	52.48	51.88	50.71	1.35	4.06
70	C735	CHRYSENE	52.74	52.84	52.85	53.31	52.32	51.96	51.23	52.46	0.69	2.08
71	C740	BIS(2-ETHYLHEXYL)PHTHALATE	56.12	55.70	57.90	61.50	62.16	62.09	61.27	59.53	2.87	8.61
72	C760	DI-N-OCTYLPHTHALATE	56.31	55.43	55.82	53.80	54.20	55.41	57.67	55.52	1.29	3.88
73	C765	BENZO(B)FLUORANTHENE	50.75	50.39	50.82	48.91	48.92	48.73	48.62	49.59	1.01	3.02
74	C770	BENZO(K)FLUORANTHENE	49.21	46.79	48.02	46.57	48.41	51.70	53.14	49.12	2.46	7.39
75	C775	BENZO(A)PYRENE	55.81	53.78	52.84	50.52	50.35	52.43	54.08	52.83	1.96	5.87
76	C780	INDENO(1,2,3-CD)PYRENE	50.25	48.82	47.72	45.81	45.74	48.44	49.37	48.02	1.72	5.17
77	C785	DIBENZO(A,H)ANTHRACENE	48.27	46.88	48.77	46.78	48.96	48.47	48.04	48.03	0.87	2.61
78	C790	BENZO(G,H,I)PERYLENE	49.69	48.29	50.60	48.54	49.67	49.63	49.03	49.35	0.79	2.37
79	C705	N-NITROSODIMETHYLAMINE	45.29	55.27	51.42	56.54	57.24	37.22	59.88	51.84	8.01	24.02

***** BNA IDL STUDY ***** Report Date: 01/24/94 Report Analyst: jg

Instrument:	I50W	I50W	I50W	I50W	I50W	I50W	I50W			
Lab File ID:	14543W	14544W	14545W	14546W	14547W	14548W	14549W			
Analysis Date:	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94	01/21/94			
Analysis Time:	08:44	09:29	10:17	11:04	11:51	12:38	13:26			
								ave.	S.D.	IDL
Compound (units of measure = ng)										
80 C320 ANILINE	61.38	61.61	60.65	59.82	60.27	60.13	61.29	60.74	0.70	2.10
81 C710 BENZIDINE	80.69	76.94	77.73	82.16	78.84	83.96	81.42	80.25	2.53	7.58
82 C345 BENZYL ALCOHOL	51.97	52.07	53.27	55.79	54.81	58.23	56.39	54.65	2.34	7.02
83 C430 BENZOIC ACID	51.31	52.93	50.44	52.63	53.04	52.41	54.52	52.47	1.31	3.92
84 C620 1,2,DIPHENYLHYDRAZINE	53.18	52.93	50.93	53.59	54.38	53.53	54.10	53.23	1.13	3.40

9500

SAMPLE DATA

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A90616

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A90616

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	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-Octyl Phthalate	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

1F

EPA SAMPLE NO.

A90616

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: A4251901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16405W

Level: (low/med) LOW Date Received: 05/25/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

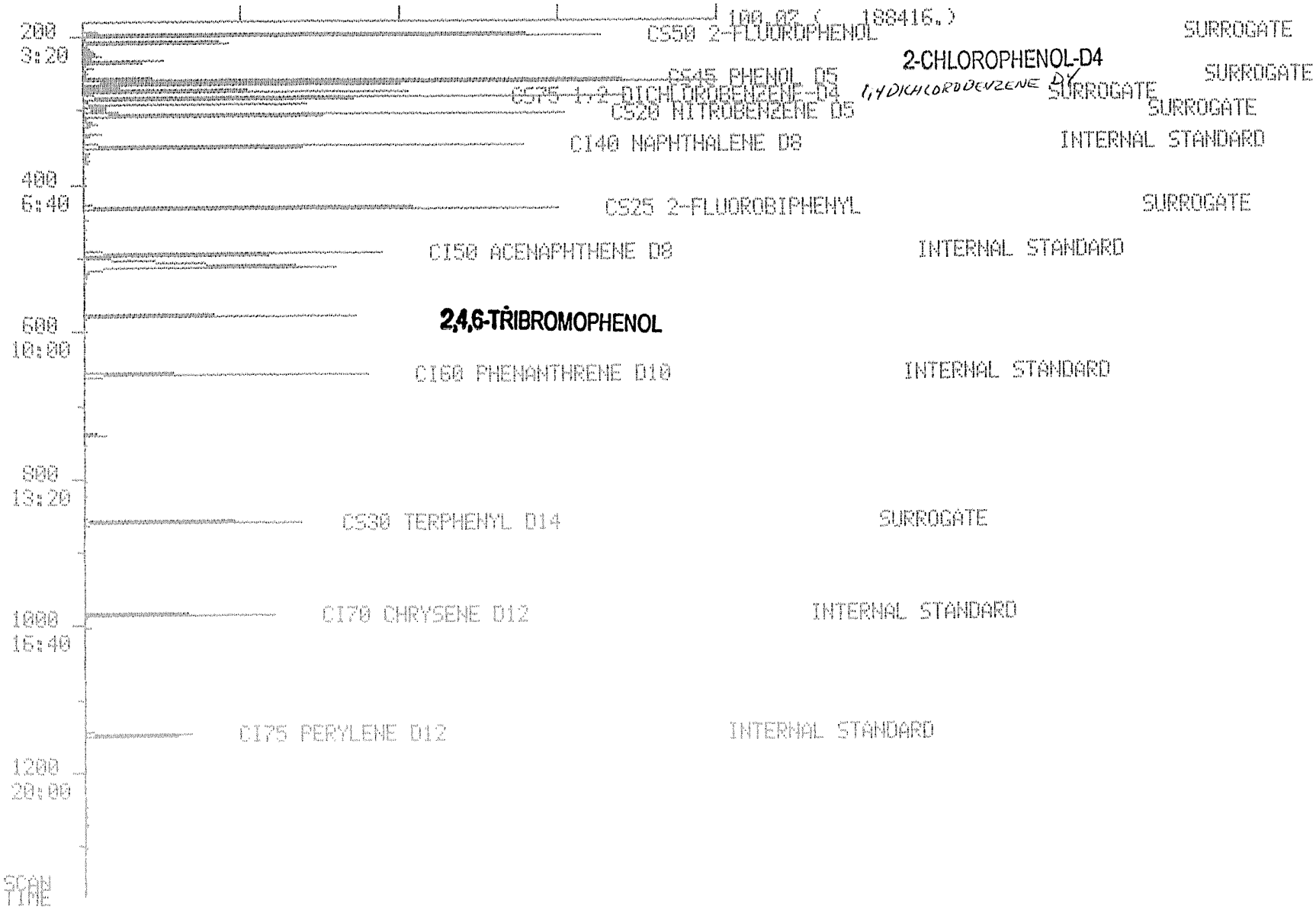
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXEN-1-OL ISOMER	3.45	16	BJ
2. 930-68-7	2-CYCLOHEXEN-1-ONE	3.87	7	JN
3.	UNKNOWN	4.45	3	J
4.	DICHLOROBENZOIC ACID ISOMER	8.53	61	J

DATA FROM FILE: 16405W SCANS 100 TO 1360 ACQUIRED: 06/30/94 9:26:00
CALI: 16405W #3
SAMPLE: A4251301 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W



0051

Quantitation Report File: 16405W

Data: 16405W.TI
06/30/94 9:26:00
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	273	4:33	1	1.000	A BB	19390.	40.000	NG	3.64
2	136	348	5:48	2	1.000	A BB	75450.	40.000	NG	3.64
3	164	493	8:13	3	1.000	A BB	35822.	40.000	NG	3.64
4	188	657	10:57	4	1.000	A BB	49504.	40.000	NG	3.64
5	240	983	16:23	5	1.000	A BB	39157.	40.000	NG	3.64
6	264	1146	19:06	6	1.000	A BB	23428.	40.000	NG	3.64
7	152	281	4:41	1	1.029	A BB	32576.	87.476	NG	7.97
8	82	305	5:05	2	0.876	A BB	73972.	82.479	NG	7.51
9	172	431	7:11	3	0.874	A BB	71768.	82.340	NG	7.50
10	244	857	14:17	5	0.872	A BB	49320.	57.508	NG	5.24
11	99	257	4:17	1	0.941	A BB	76058.	96.389	NG	8.78
12	112	197	3:17	1	0.722	A BB	88700.	127.532	NG	11.62
13	132	262	4:22	1	0.960	A BB	82778.	118.430	NG	10.79
14	330	577	9:37	3	1.170	A BB	13484.	152.437	NG	13.88
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
~~22~~	~~AE~~	~~598~~	~~9:46~~	~~1~~	~~1.058~~	~~A BB~~	~~884~~	~~5.229~~	~~NG~~	~~0.82~~
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

JG 7/7/94

8/3/94

Quantitation Report File: 16405W

Data: 16405W.TI
06/30/94 9:26:00
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								

8/3/94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	149	738	12:18	4	1.123	A BB	5628.	3.200 NG	0.29
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	149	1000	14:40	5	1.017	A BB	442.	0.444 NG	0.06
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	104	867	15:57	6	0.440	A BB	7764.	42.277 NG	4.50
82	NOT FOUND								
83	NOT FOUND								
84	NOT FOUND								

JG 7/7/94

NL

JG 8/1/94

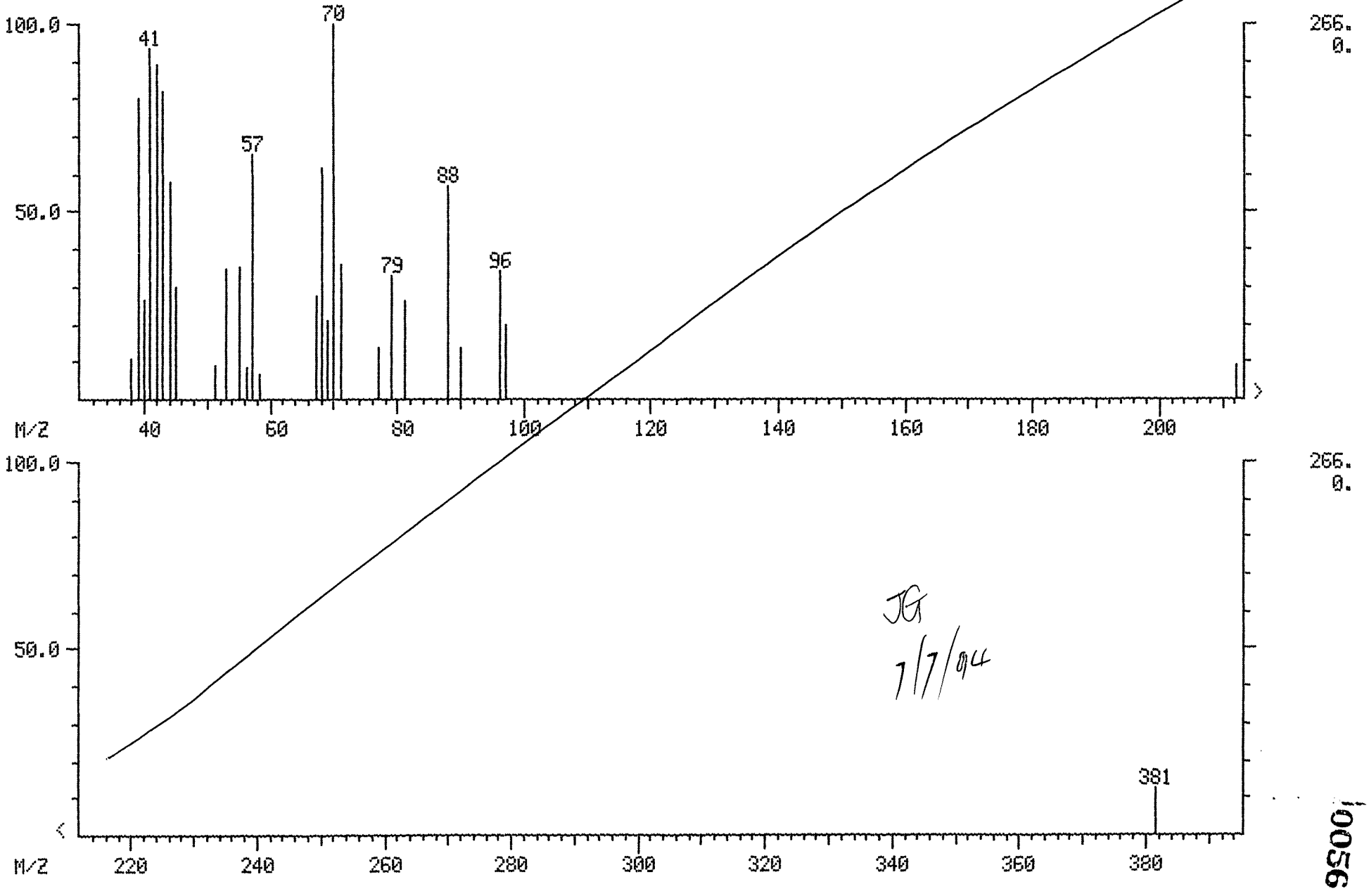
NL 8/3/94

MASS SPECTRUM
06/30/94 9:26:00 + 4:49
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 132 DEG. C

DATA: 16405W #289
CALI: 16405W #3

BASE M/Z: 70
RIC: 2920.

NAME: C360 2,2'-OXYBIS(1-CHLOROPROPANE)



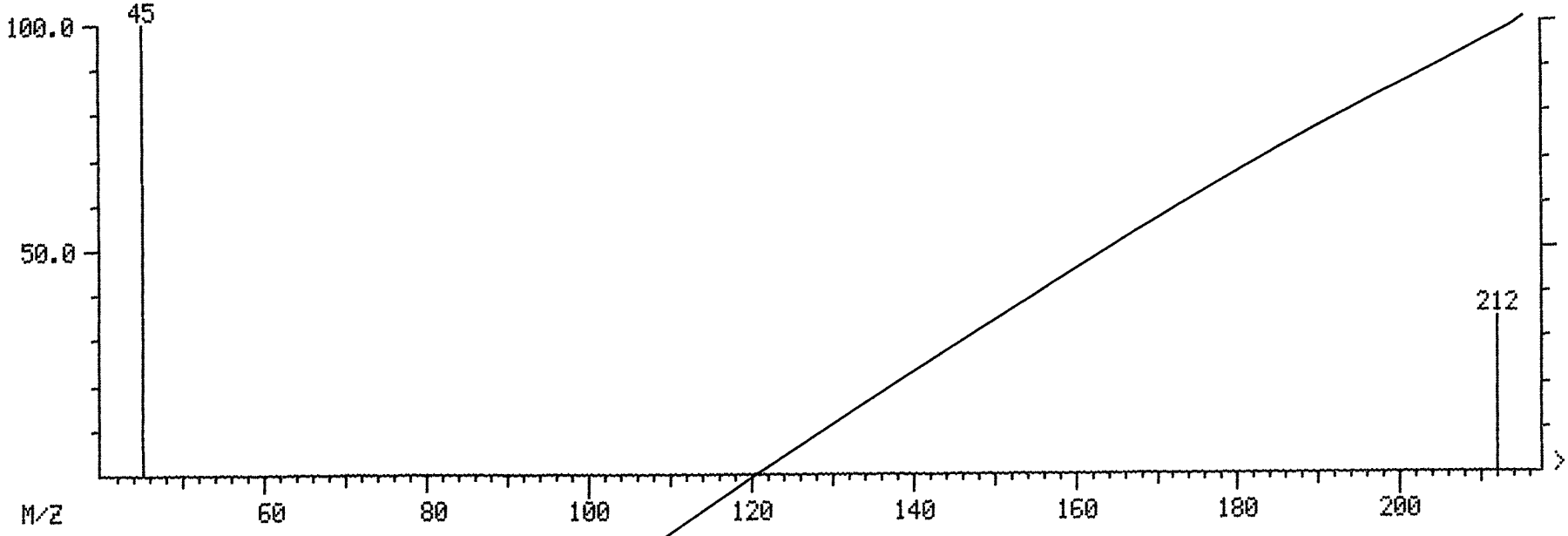
JG
7/7/94

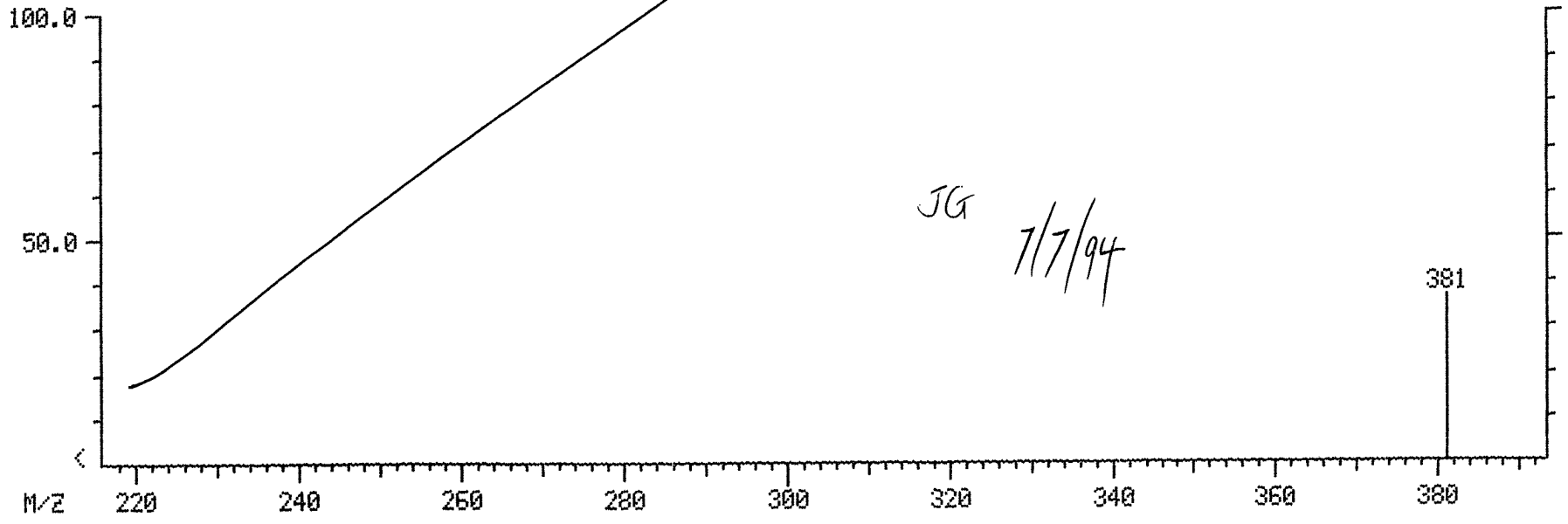
9500

MASS SPECTRUM
06/30/94 9:26:00 + 4:49
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 132 DEG. C
ENHANCED (S 15B 2N 0T)NAME: C360 2,2'-OXYBIS(1-CHLOROPROPANE)

DATA: 16405W #289
CALI: 16405W #3

BASE M/Z: 45
RIC: 60.





JG 7/7/94

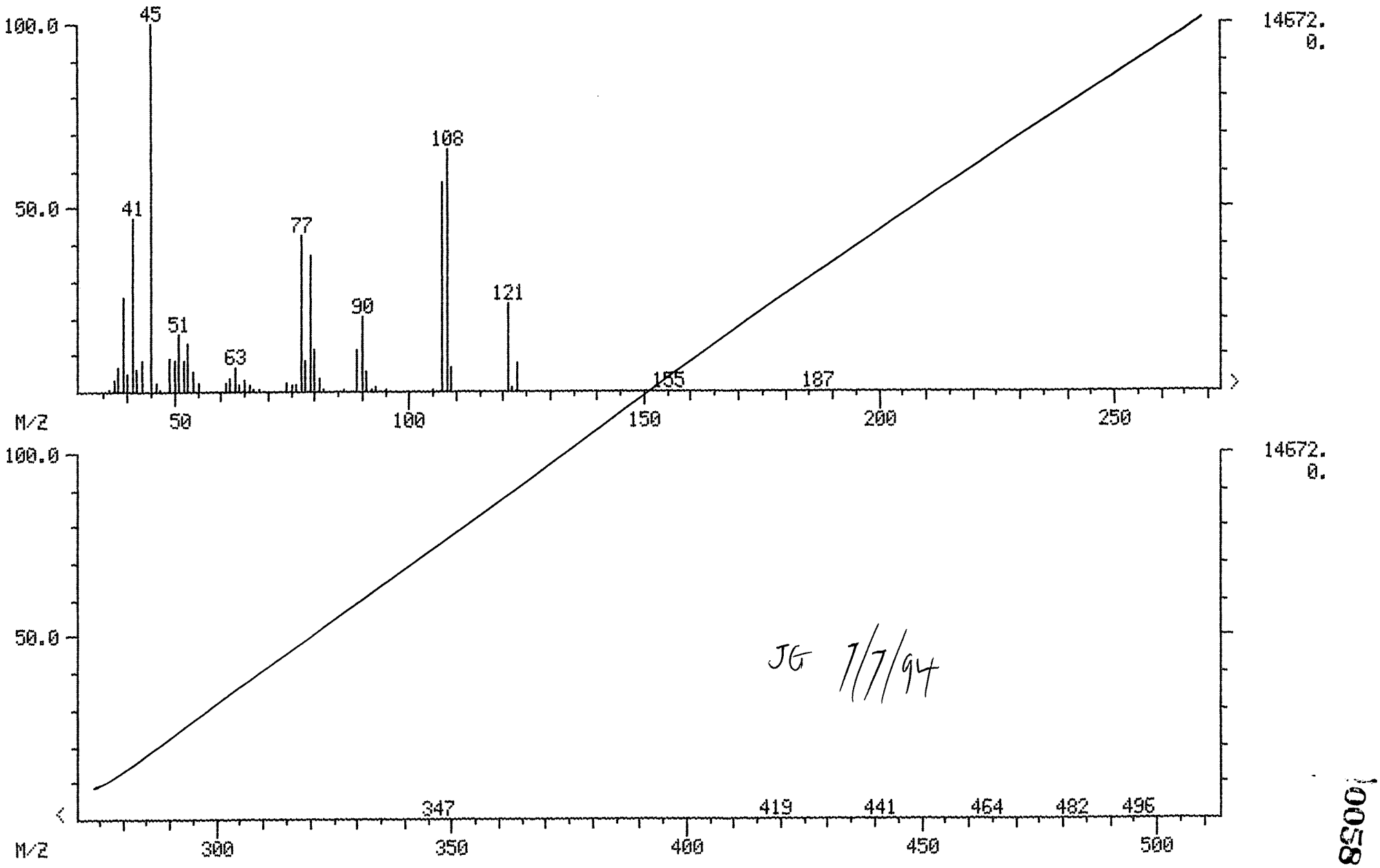
00537

MASS SPECTRUM
06/30/94 8:25:00 + 4:57
SAMPLE: SSTD050
CONDS.: AUTOSAMPLR I50W
TEMP:-377 DEG. C

DATA: 16403W #297
ENHANCED (S 15B 2N 0T)

BASE M/Z: 45
RIC: 88192.

NAME: C360 2,2'-OXYBIS(1-CHLOROPROPANE)



JG 1/7/94

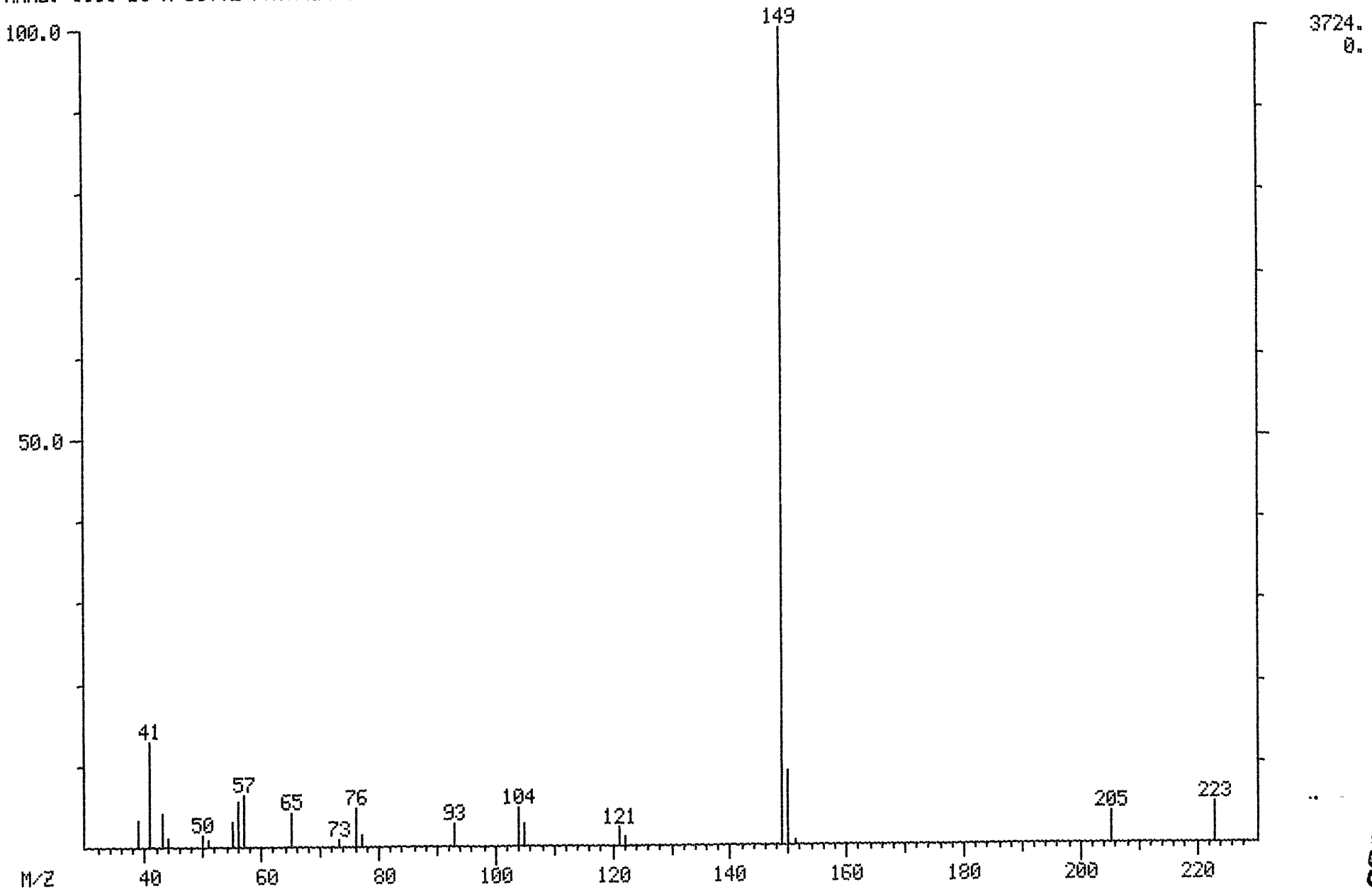
00538

MASS SPECTRUM
06/30/94 9:26:00 + 12:18
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 222 DEG. C

DATA: 16405W #738
CALI: 16405W #3

BASE M/Z: 149
RIC: 6776.

NAME: C650 DI-N-BUTYL PHTHALATE

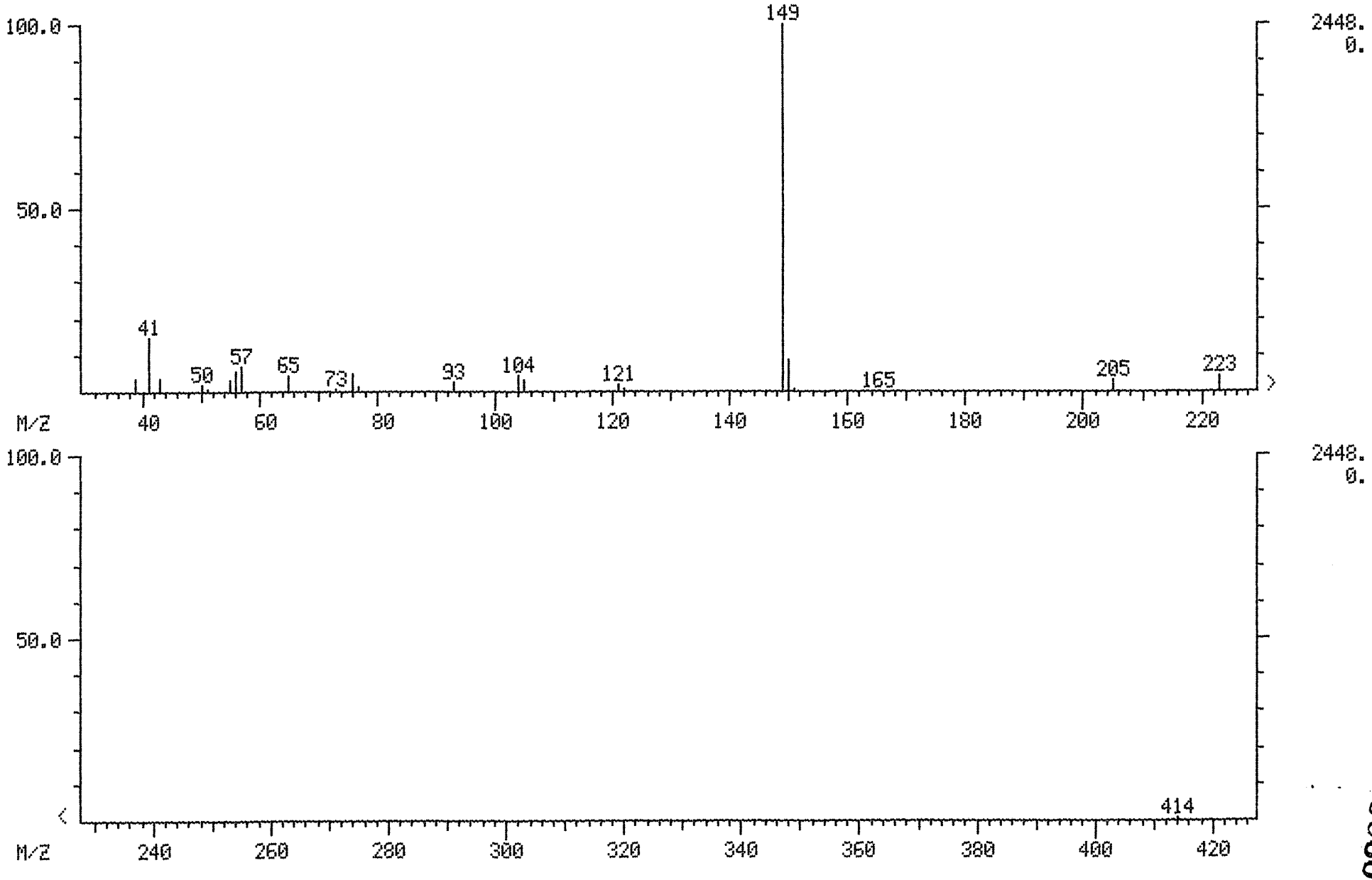


0059

MASS SPECTRUM
06/30/94 9:26:00 + 12:18
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 222 DEG. C
ENHANCED (S 15B 2N 0T)NAME: C650 DI-N-BUTYL PHTHALATE

DATA: 16405W #738
CALI: 16405W #3

BASE M/Z: 149
RIC: 4432.



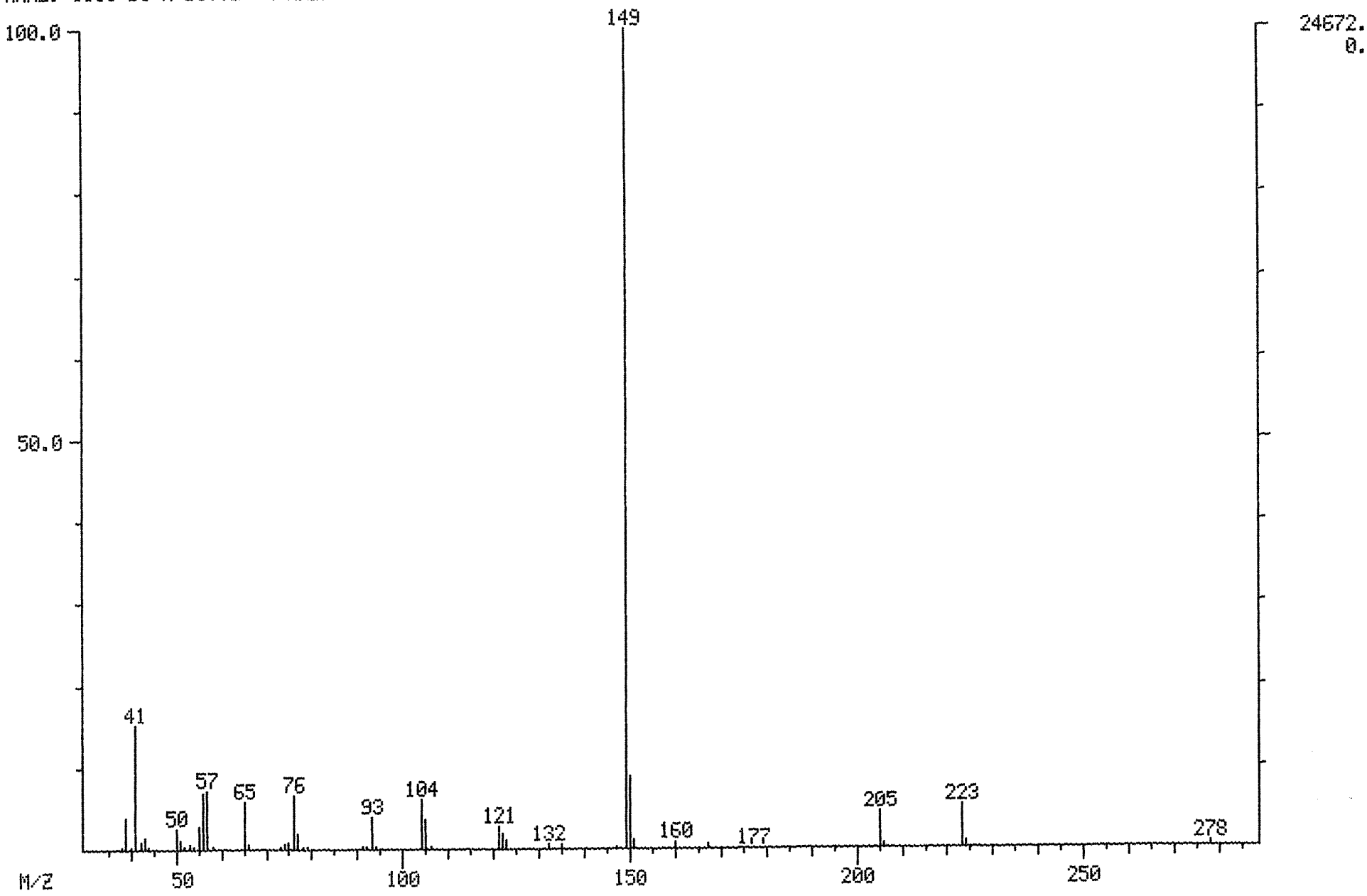
0060

MASS SPECTRUM
06/30/94 8:25:00 + 12:32
SAMPLE: SSTD050
CONDS.: AUTOSAMPLR I50W
TEMP:-286 DEG. C

DATA: 16403W #752
ENHANCED (S 15B 2N 0T)

BASE M/Z: 149
RIC: 51072.

NAME: C650 DI-N-BUTYL PHTHALATE



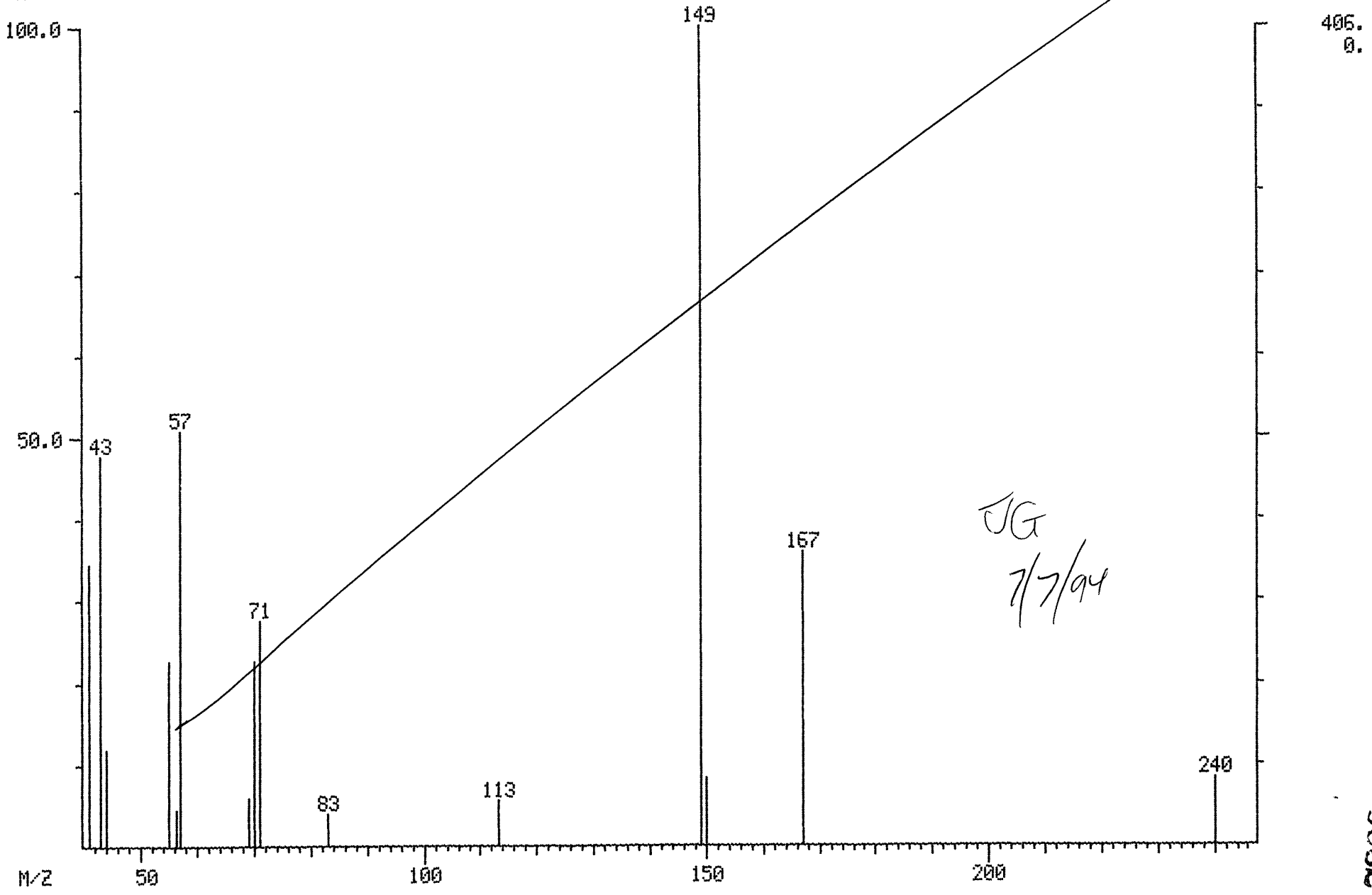
1900

MASS SPECTRUM
06/30/94 9:26:00 + 16:40
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 274 DEG. C

DATA: 16405W #1000
CALI: 16405W #3

BASE M/Z: 149
RIC: 1584.

NAME: C740 BIS(2-ETHYLHEXYL)PHTHALATE



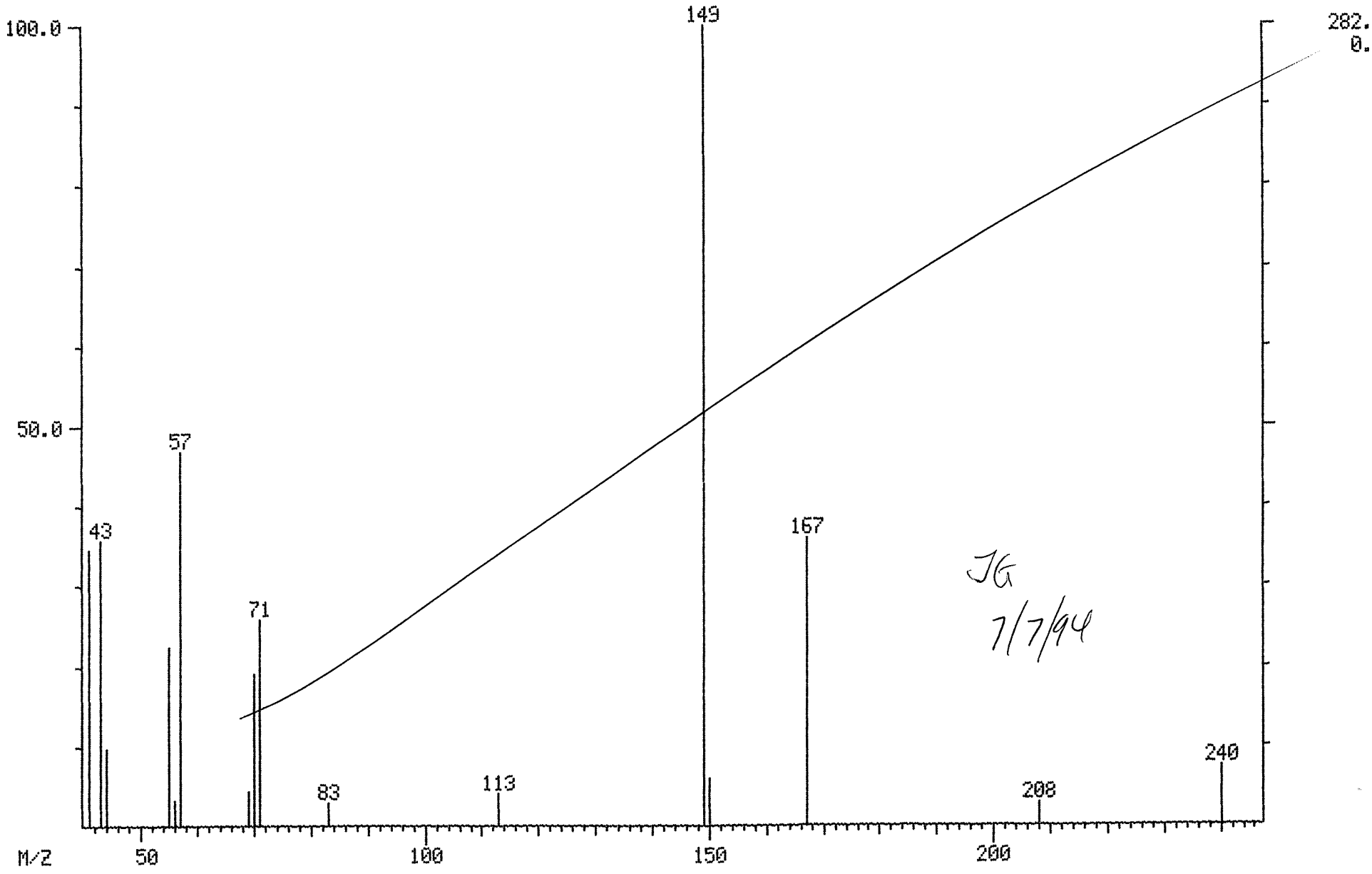
JG
7/7/94

2300

MASS SPECTRUM
06/30/94 9:26:00 + 16:40
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 274 DEG. C
ENHANCED (S 15B 2N 0T)NAME: C740 BIS(2-ETHYLHEXYL)PHTHALATE

DATA: 16405W #1000
CALI: 16405W #3

BASE M/Z: 149
RIC: 1018.



JG
7/7/94

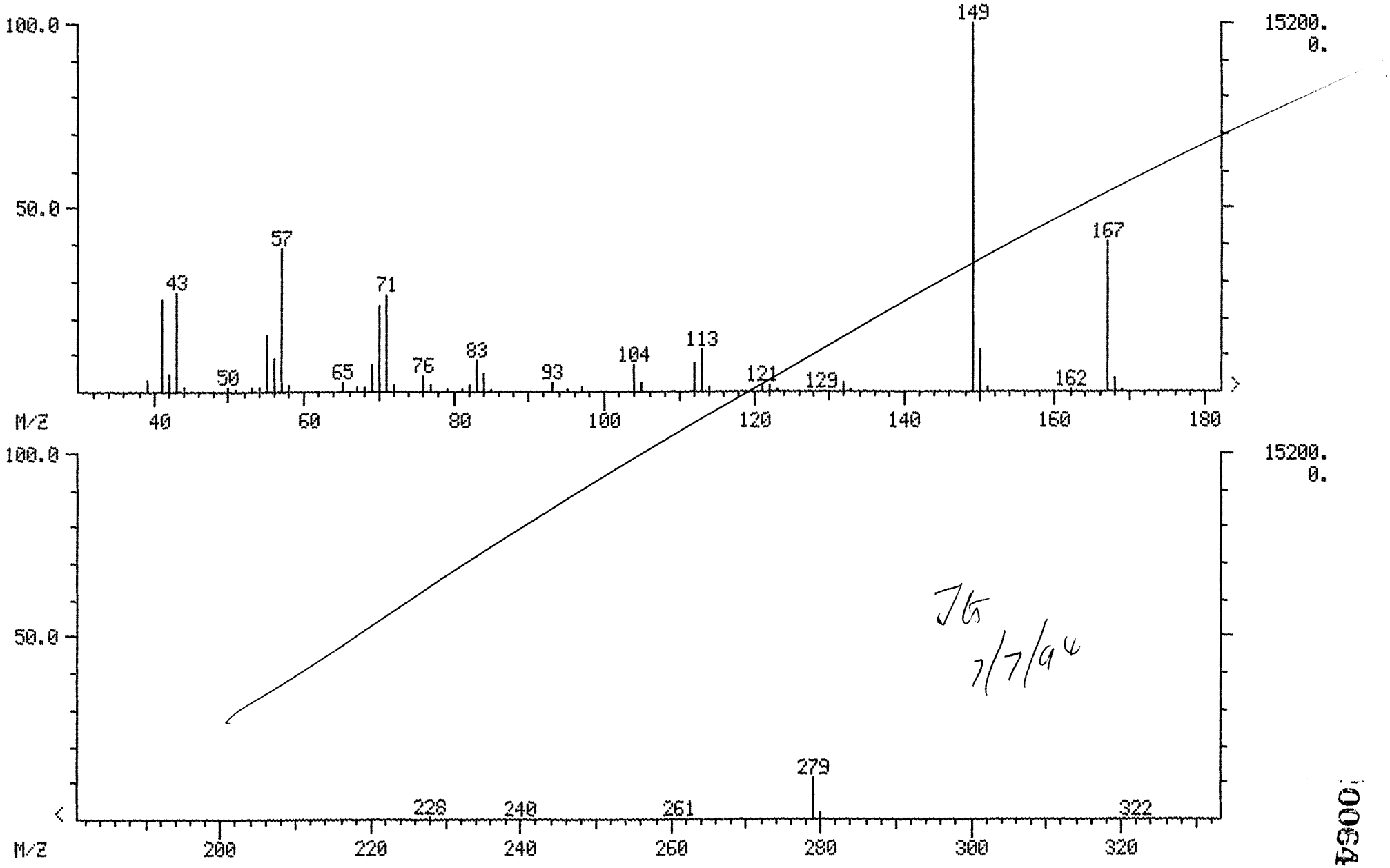
0083

MASS SPECTRUM
06/30/94 8:25:00 + 16:47
SAMPLE: SSTD050
CONDS.: AUTOSAMPLR I50W
TEMP:-235 DEG. C

DATA: 16403W #1007
ENHANCED (S 15B 2N 0T)

BASE M/Z: 149
RIC: 65408.

NAME: C740 BIS(2-ETHYLHEXYL)PHTHALATE



JG
7/7/94

6900

TIC QUANTITATION REPORT: AMOUNTS BASED ON AREA

Quantitation Report File: 16405W

Data: 16405W.TI
06/30/94 9:26:00
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	CAS #	Name	
1	0-00-0	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STAND
2	0-00-0	CI40 NAPHTHALENE D8	INTERNAL STAND
3	0-00-0	CI50 ACENAPHTHENE D8	INTERNAL STAND
4	0-00-0	CI60 PHENANTHRENE D10	INTERNAL STAND
5	0-00-0	CI70 CHRYSENE D12	INTERNAL STAND
6	0-00-0	CI75 PERYLENE D12	INTERNAL STAND
7	822-67-3	2-CYCLOHEXEN-1-OL	
8	930-68-7	2-CYCLOHEXEN-1-ONE	
9	533-60-8	CYCLOHEXANONE, 2-HYDROXY-	
10	50-45-3	BENZOIC ACID, 2,3-DICHLORO-	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	TOT	273	4:33	1	1.000	A VV	114740.	40.000 NG	9.69
2	TOT	348	5:48	2	1.000	A BB	178694.	40.000 NG	9.69
3	TOT	493	8:13	3	1.000	A BB	152206.	40.000 NG	9.69
4	TOT	657	10:57	4	1.000	A BB	152446.	40.000 NG	9.69
5	TOT	983	16:23	5	1.000	A BV	126590.	40.000 NG	9.69
6	TOT	1146	19:06	6	1.000	A BB	77914.	40.000 NG	9.69
7	TOT	207	3:27	1	0.758	A VV	90448.	31.531	7.64
8	TOT	232	3:52	1	0.850	A BV	40651.	14.172	3.43
9	TOT	267	4:27	1	0.978	A VV	14976.	5.221	1.27
10	TOT	512	8:32	3	1.039	A BB	463036.	121.687	29.49

$$\text{Unknown Concentration} = \left[\frac{\text{ng IS} * \text{area unknown}}{\text{area IS}} \right] * RF * DF$$

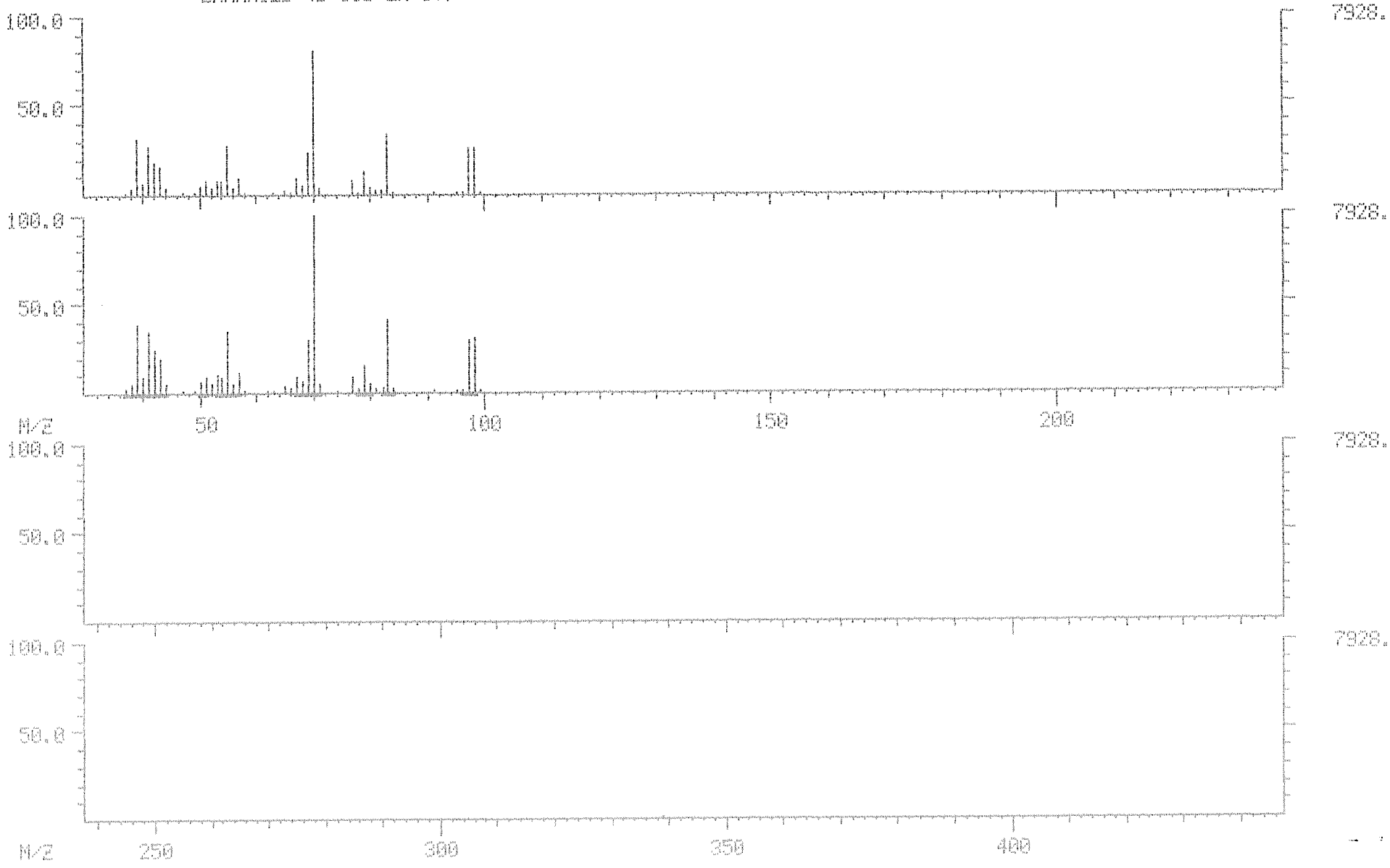
RF=1.0 DF= 1.0

JG
7/7/94

DUAL MASS SPECTRUM
06/30/94 9:26:00 + 3:27
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16405W #207
CALI: 16405W #3

BASE M/Z: 70/ 70
RIC: 34816./ 43328.



9900

Library Search Data: 16405W # 207 Base m/z: 70
06/30/94 9:26:00 + 3:27 Cali: 16405W # 3 RIC: 32000.
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR 150W
Enhanced (S 15B 2N OT)

62231 spectra in LIBRARYNB searched for maximum FIT
407 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	1274	2-CYCLOHEXEN-1-OL
2	1270	3-CYCLOHEXEN-1-OL
3	1361	2-PENTENE, 2,4-DIMETHYL-
4	1279	3-BUTEN-1-OL, 3-METHYL-2-METHYLENE-
5	1221	1H-IMIDAZOLE, 4,5-DIHYDRO-2,4-DIMETHYL-

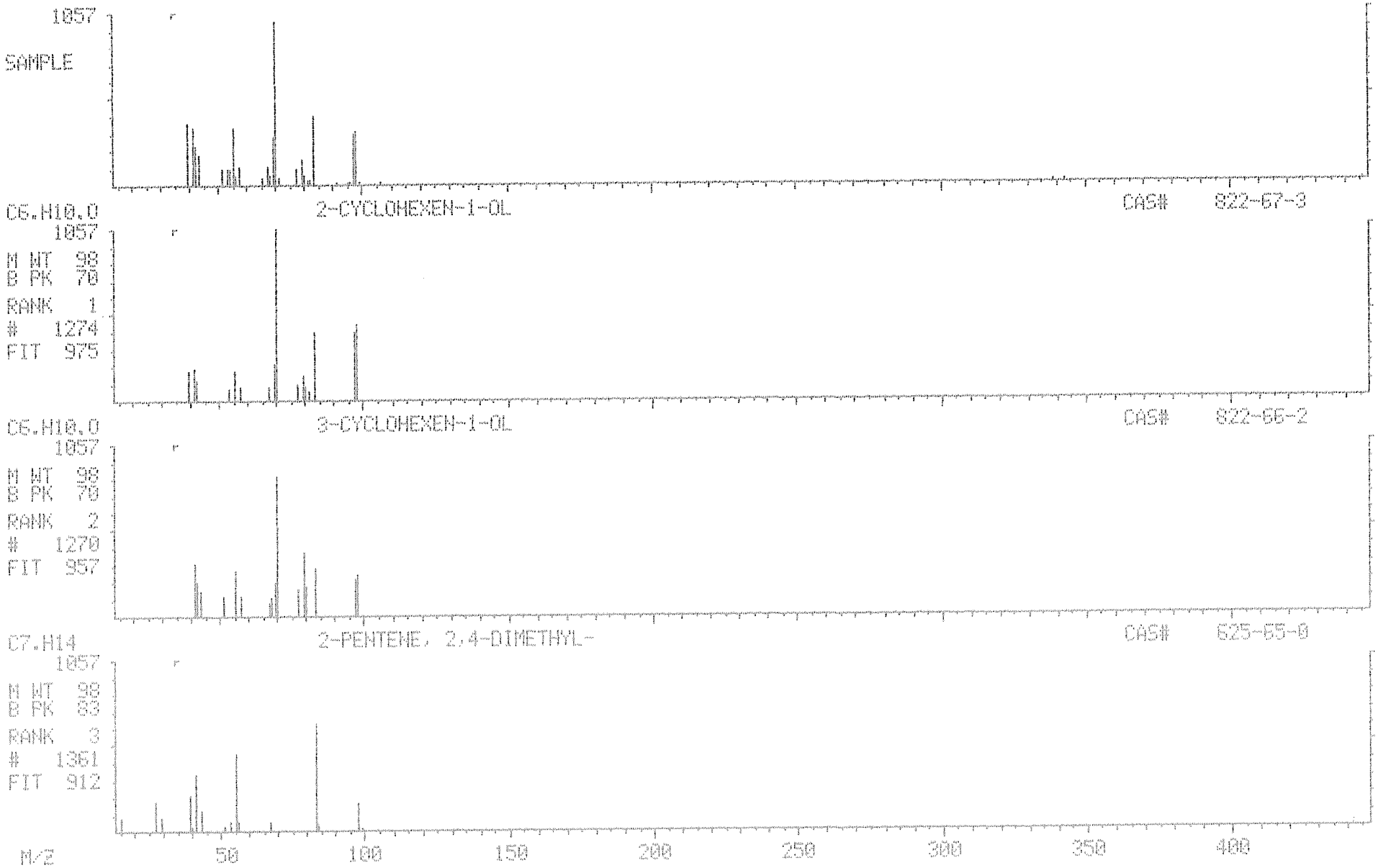
Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H10.O	98	70	849	975	849
2	C6.H10.O	98	70	818	957	818
3	C7.H14	98	83	397	912	411
4	C6.H10.O	98	41	588	895	588
5	C5.H10.N2	98	83	504	895	518

Rank	Ret. Time	B.P. Int.	US. Par. 1	US. Par. 2	C.A.S. #
1	____	____	____	____	822-67-3
2	____	____	____	____	822-66-2
3	____	____	____	____	625-65-0
4	____	____	____	____	26431-13-0
5	____	____	____	____	930-61-0

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 9:26:00 + 3:27
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16405W # 207
CALI: 16405W # 3

BASE M/Z: 70
RIC: 32000.

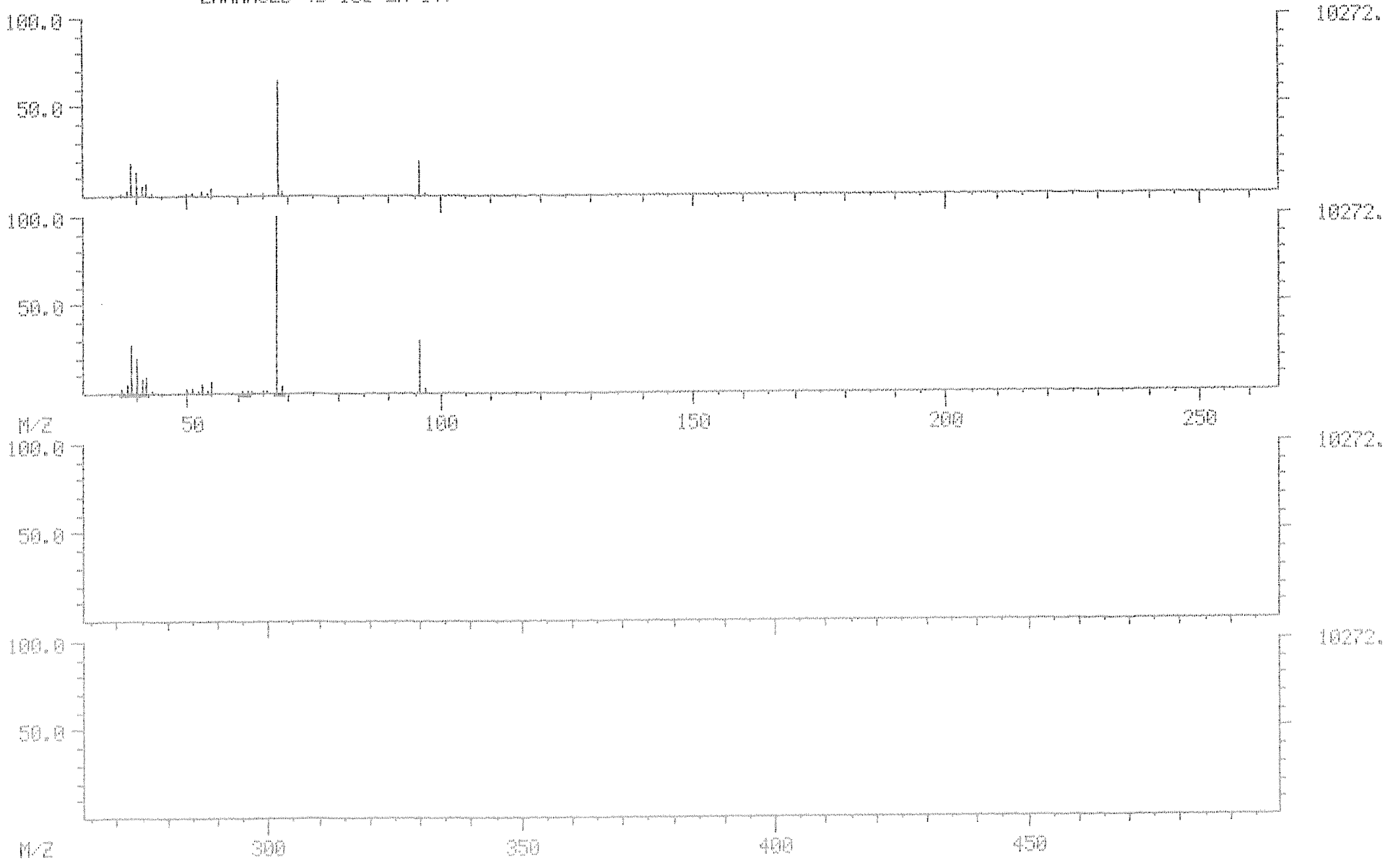


83001

DUAL MASS SPECTRUM
06/30/94 9:26:00 + 3:52
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 103 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16405W #232
CALI: 16405W #3

BASE M/Z: 68/ 68
RIC: 15632./ 24032.



6300

Library Search Data: 16405W # 232 Base m/z: 68
06/30/94 9:26:00 + 3:52 Cali: 16405W # 3 RIC: 15264.
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Enhanced (S 15B 2N 0T)

62231 spectra in LIBRARYNB searched for maximum FIT
119 matched at least 6 of the 16 largest peaks in the unknown

Rank	In.	Name
1	1085	2-CYCLOHEXEN-1-ONE
2	172	FURAN
3	219	3-BUTYN-1-OL
4	2477	2,5-FURANDIONE, DIHYDRO-3-METHYLENE-
5	170	1H-PYRAZOLE

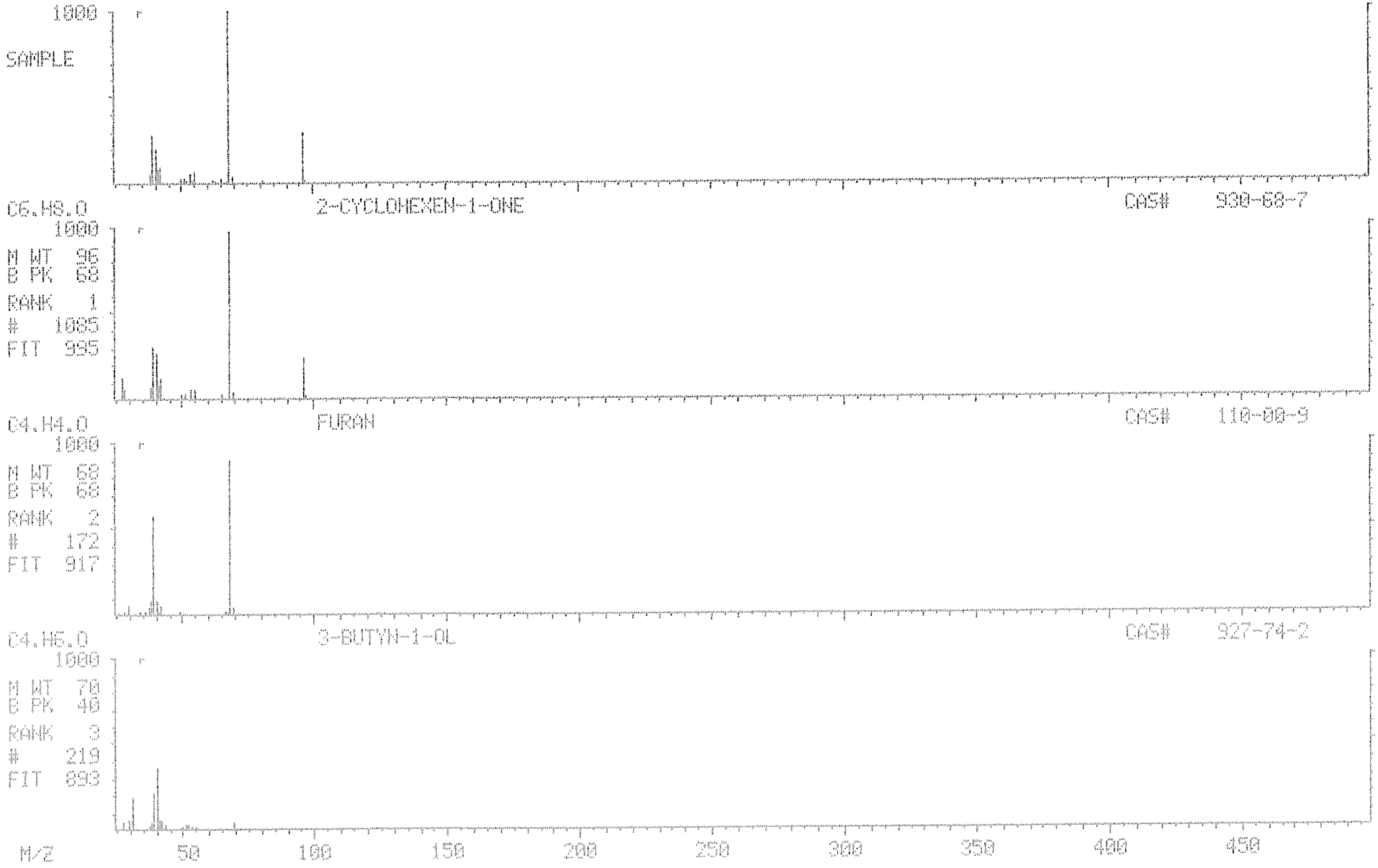
Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H8.O	96	68	957	995	957
2	C4.H4.O	68	68	632	917	652
3	C4.H6.O	70	40	248	893	257
4	C5.H4.O3	112	68	601	884	628
5	C3.H4.N2	68	68	617	882	629

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	———	———	———	———	930-68-7
2	———	———	———	———	110-00-9
3	———	———	———	———	927-74-2
4	———	———	———	———	2170-03-8
5	———	———	———	———	288-13-1

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 9:26:00 + 3:52
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16405W # 232
CALI: 16405W # 3

BASE M/Z: 68
RIC: 15264.

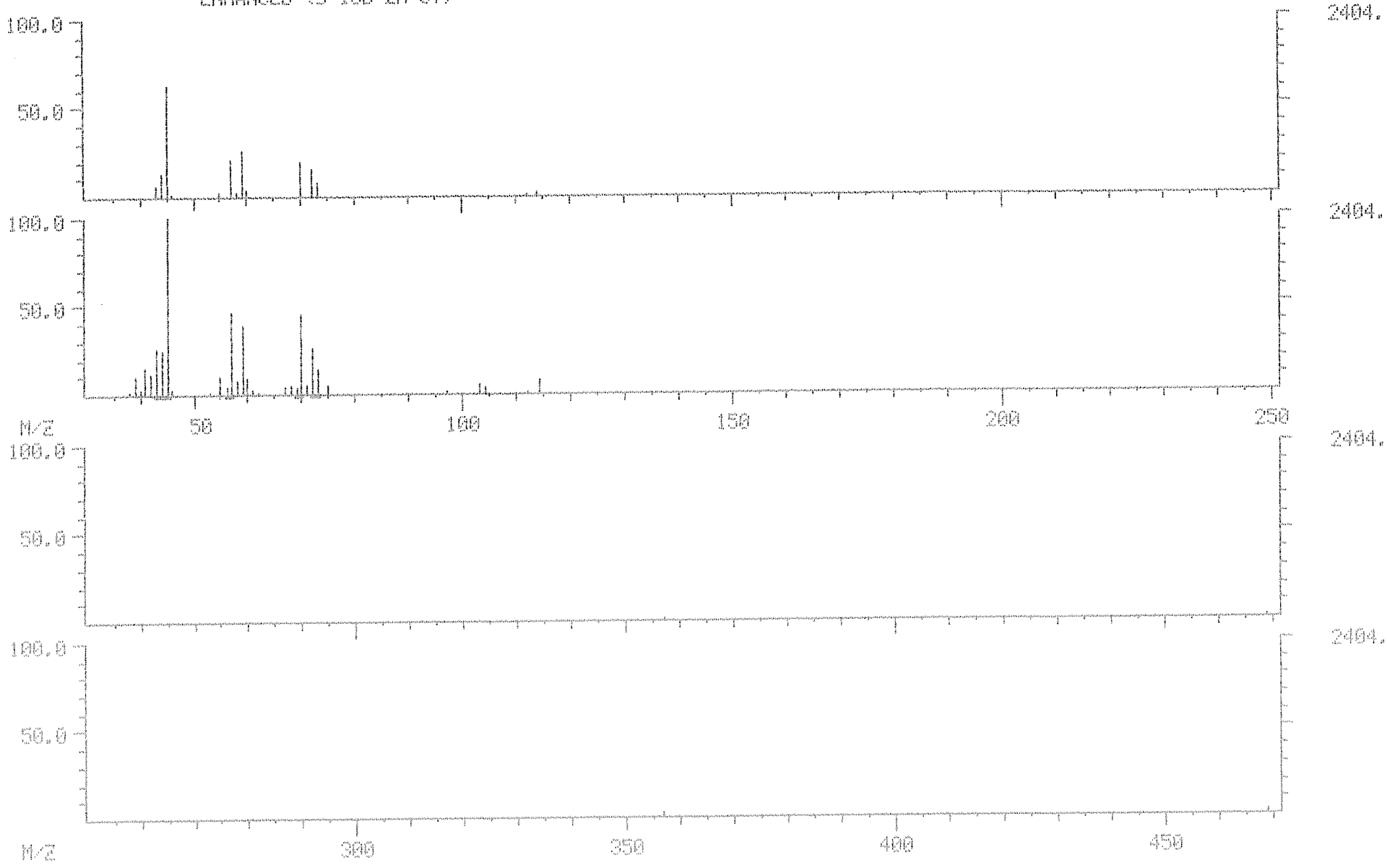


0074

DUAL MASS SPECTRUM
06/30/94 9:26:00 + 4:27
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 124 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16405W #267
CALI: 16405W #3

BASE M/Z: 45/ 45
RIC: 4560./ 10832.



2400

Library Search Data: 16405W # 267 Base m/z: 45
06/30/94 9:26:00 + 4:27 Cali: 16405W # 3 RIC: 4560.
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Enhanced (S 15B 2N OT)

62231 spectra in LIBRARYNB searched for maximum FIT
80 matched at least 6 of the 16 largest peaks in the unknown

Rank	In.	Name
1	2899	CYCLOHEXANONE, 2-HYDROXY-
2	1689	2-HYDROXY-3-PENTANONE
3	1617	PENTANAMIDE
4	15482	HEPTANAMIDE, 4-ETHYL-5-METHYL-
5	1727	OXIRANE, (ETHOXYMETHYL)-

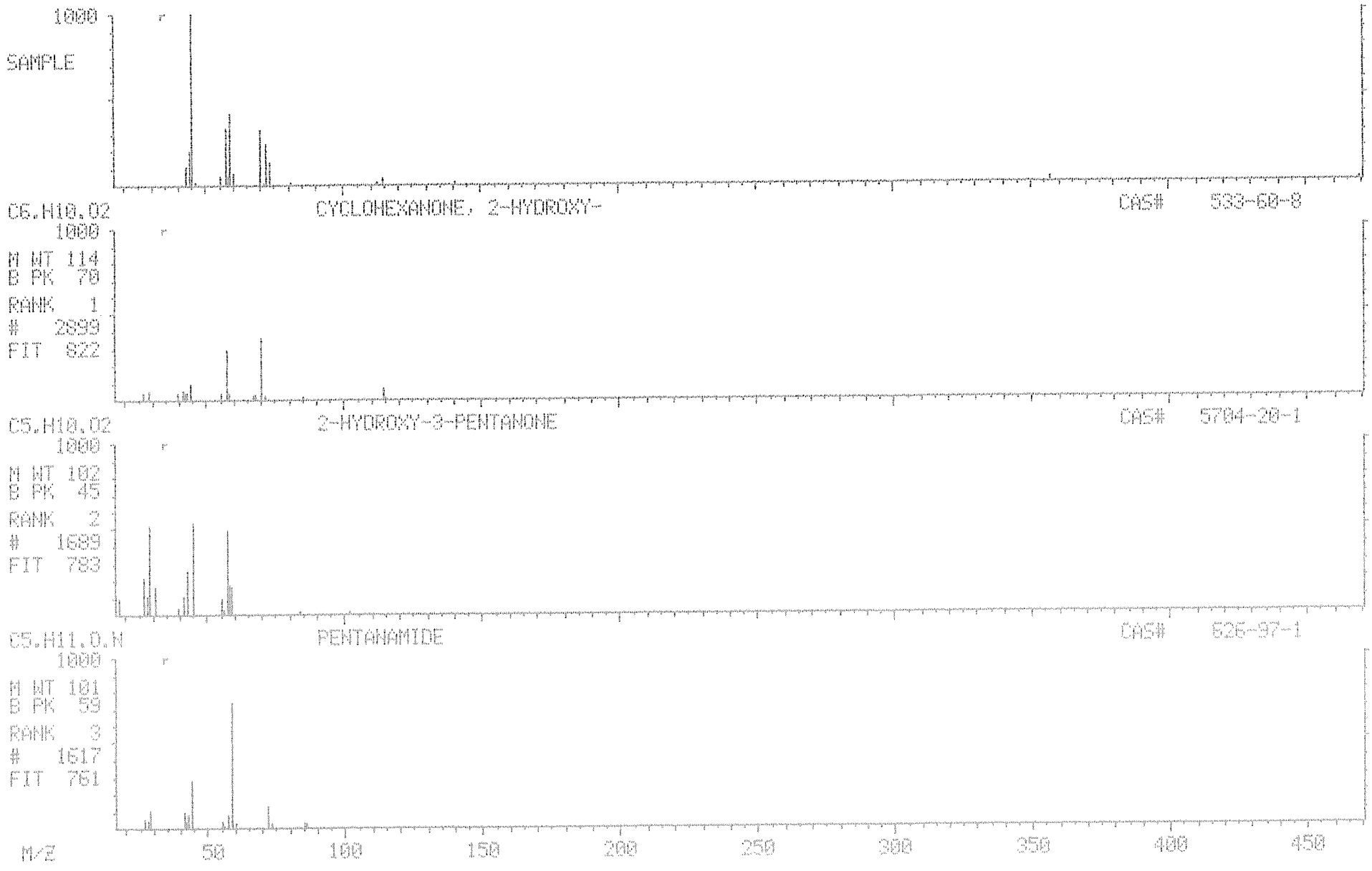
Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H10.O2	114	70	285	822	330
2	C5.H10.O2	102	45	417	783	471
3	C5.H11.O.N	101	59	373	761	420
4	C10.H21.O.N	171	59	388	756	437
5	C5.H10.O2	102	31	432	743	458

Rank	Ret. Time	B.P. Int.	US.Par.1	US.Par.2	C.A.S. #
1	____	____	____	____	533-60-8
2	____	____	____	____	5704-20-1
3	____	____	____	____	626-97-1
4	____	____	____	____	54789-40-1
5	____	____	____	____	4016-11-9

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 9:26:00 + 4:27
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16405W # 257
CALI: 16405W # 3

BASE M/Z: 45
RIC: 4560.

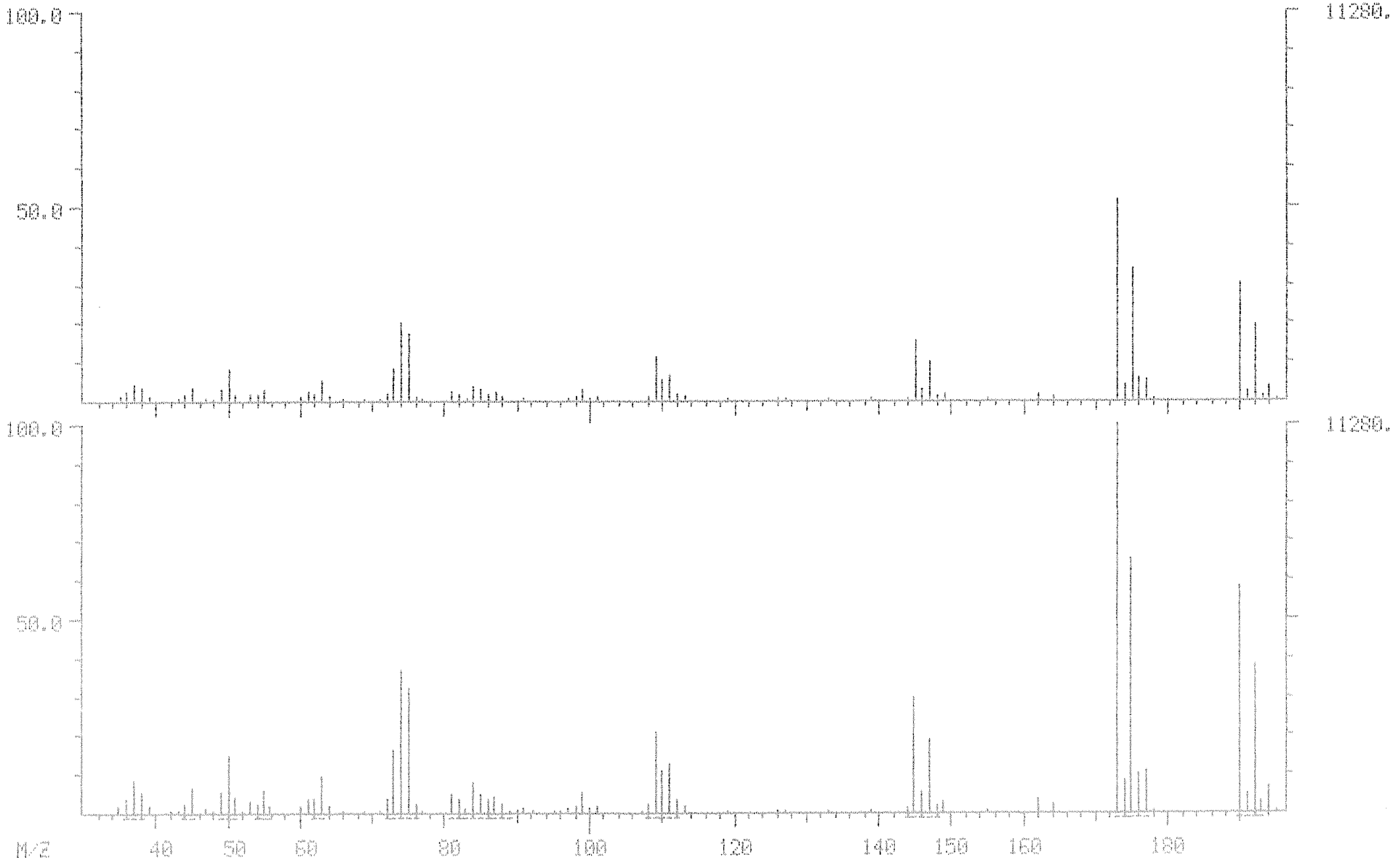


0079

DUAL MASS SPECTRUM
06/30/94 9:26:00 + 8:32
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
TEMP: 177 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16405W #512
CALI: 16405W #3

BASE M/Z: 173/ 173
RIC: 39744./ 74624.



S200

Library Search Data: 16405W # 512 Base m/z: 173
06/30/94 9:26:00 + 8:32 Cali: 16405W # 3 RIC: 36992.
Sample: A4251901 JOB2519 AW40000191
Conds.: AUTOSAMPLR I50W
Enhanced (S 15B 2N 0T)

62231 spectra in LIBRARYNB searched for maximum FIT
118 matched at least 5 of the 16 largest peaks in the unknown

Rank	In.	Name
1	20154	BENZOIC ACID, 2,3-DICHLORO-
2	20157	BENZOIC ACID, 2,4-DICHLORO-
3	24682	BENZOYL CHLORIDE, 2,4-DICHLORO-
4	20155	BENZOIC ACID, 2,5-DICHLORO-
5	20159	BENZOIC ACID, 3,4-DICHLORO-

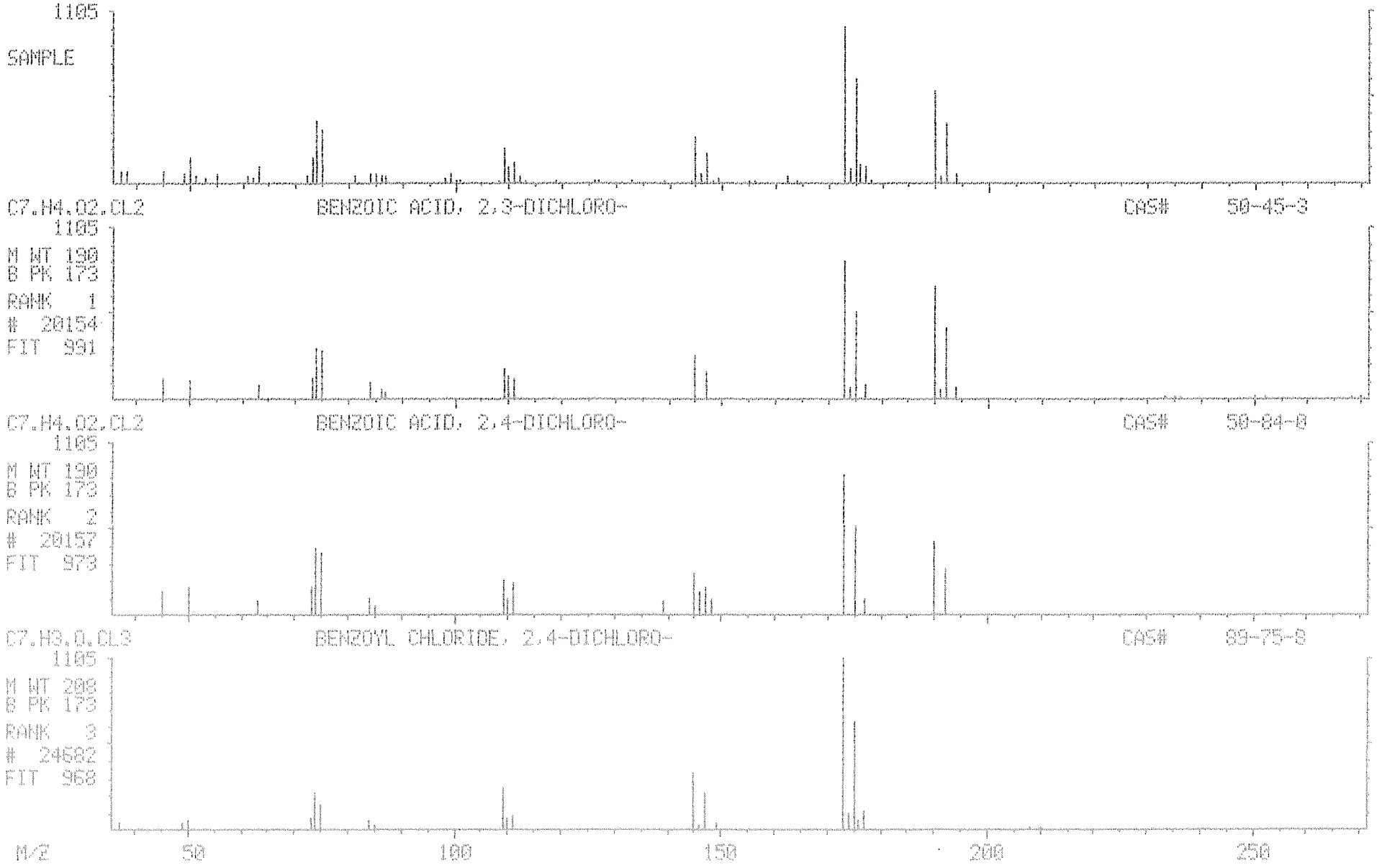
Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C7.H4.O2.CL2	190	173	866	991	868
2	C7.H4.O2.CL2	190	173	821	973	821
3	C7.H3.O.CL3	208	173	642	968	650
4	C7.H4.O2.CL2	190	173	845	966	855
5	C7.H4.O2.CL2	190	173	867	961	876

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	____	____	____	____	50-45-3
2	____	____	____	____	50-84-0
3	____	____	____	____	89-75-8
4	____	____	____	____	50-79-3
5	____	____	____	____	51-44-5

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 9:26:00 + 8:32
SAMPLE: A4251901 JOB2519 AW40000191
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16405W # 512
CALI: 16405W # 3

BASE M/Z: 173
RIC: 36992.



4200

STANDARDS DATA

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Instrument ID: I50W Calibration Date(s): 06/29/94 06/29/94

Calibration Times: 1614 1858

LAB FILE ID: RRF20 = 16383W RRF50 = 16381W
RRF80 = 16384W RRF120= 16385W RRF160= 16386W

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	2.131	2.284	1.923	2.379	1.770	2.097	12.0*
bis(2-Chloroethyl)Ether *	1.567	1.982	1.529	1.627	1.906	1.722	12.0*
2-Chlorophenol *	1.332	1.549	1.540	1.539	1.465	1.485	6.2*
1,3-Dichlorobenzene *	1.569	1.524	1.658	1.559	1.307	1.523	8.6*
1,4-Dichlorobenzene *	1.588	1.560	1.687	1.449	1.267	1.510	10.6*
1,2-Dichlorobenzene *	1.520	1.424	1.660	1.686	1.337	1.525	9.8*
2-Methylphenol *	1.245	1.326	1.454	1.392	2.200	1.523	25.4*
2,2'-oxybis(1-Chloropropane	2.281	2.177	2.389	2.379	2.212	2.288	4.2
4-Methylphenol *	1.360	1.368	1.321	1.357	1.281	1.337	2.7*
N-Nitroso-Di-n-Propylamine *	1.262	1.289	1.447	1.250	1.219	1.293	6.9*
Hexachloroethane *	0.553	0.629	0.675	0.684	0.558	0.620	10.0*
Nitrobenzene *	0.461	0.516	0.471	0.457	0.435	0.468	6.4*
Isophorone *	0.915	0.914	0.939	0.879	0.855	0.900	3.7*
2-Nitrophenol *	0.206	0.230	0.237	0.241	0.219	0.227	6.3*
2,4-Dimethylphenol *	0.378	0.393	0.394	0.390	0.362	0.383	3.5*
bis(2-Chloroethoxy)Methane *	0.517	0.559	0.485	0.522	0.483	0.513	6.1*
2,4-Dichlorophenol *	0.297	0.314	0.308	0.304	0.298	0.304	2.3*
1,2,4-Trichlorobenzene *	0.345	0.347	0.344	0.343	0.307	0.337	5.0*
Naphthalene *	1.153	1.071	1.086	0.909	0.865	1.017	12.1*
4-Chloroaniline	0.493	0.630	0.656	0.416	0.535	0.546	18.1
Hexachlorobutadiene	0.189	0.170	0.185	0.151	0.137	0.166	13.4
4-Chloro-3-Methylphenol *	0.311	0.317	0.337	0.317	0.266	0.310	8.5*
2-Methylnaphthalene *	0.584	0.612	0.533	0.548	0.418	0.539	13.8*
Hexachlorocyclopentadiene	0.277	0.319	0.310	0.258	0.263	0.285	9.7
2,4,6-Trichlorophenol *	0.333	0.402	0.431	0.358	0.363	0.377	10.3*
2,4,5-Trichlorophenol *		0.348	0.350	0.378	0.327	0.351	6.0*
2-Chloronaphthalene *	1.089	1.117	1.183	0.924	0.952	1.053	10.5*
2-Nitroaniline		0.467	0.426	0.419	0.374	0.422	9.0
Dimethyl Phthalate	1.144	1.103	1.093	0.978	0.935	1.051	8.5
Acenaphthylene *	1.561	1.619	1.625	1.364	1.141	1.462	14.2*
2,6-Dinitrotoluene *	0.268	0.289	0.329	0.284	0.286	0.291	7.8*
3-Nitroaniline		0.354	0.348	0.336	0.283	0.330	9.8
Acenaphthene *	1.062	0.976	0.841	0.804	0.733	0.883	15.1*
2,4-Dinitrophenol		0.145	0.158	0.159	0.134	0.149	8.0
4-Nitrophenol		0.144	0.144	0.152	0.146	0.146	2.6
Dibenzofuran *	1.472	1.438	1.466	1.298	1.125	1.360	11.0*
2,4-Dinitrotoluene *	0.370	0.419	0.423	0.369	0.314	0.379	11.8*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Instrument ID: I50W Calibration Date(s): 06/29/94 06/29/94

Calibration Times: 1614 1858

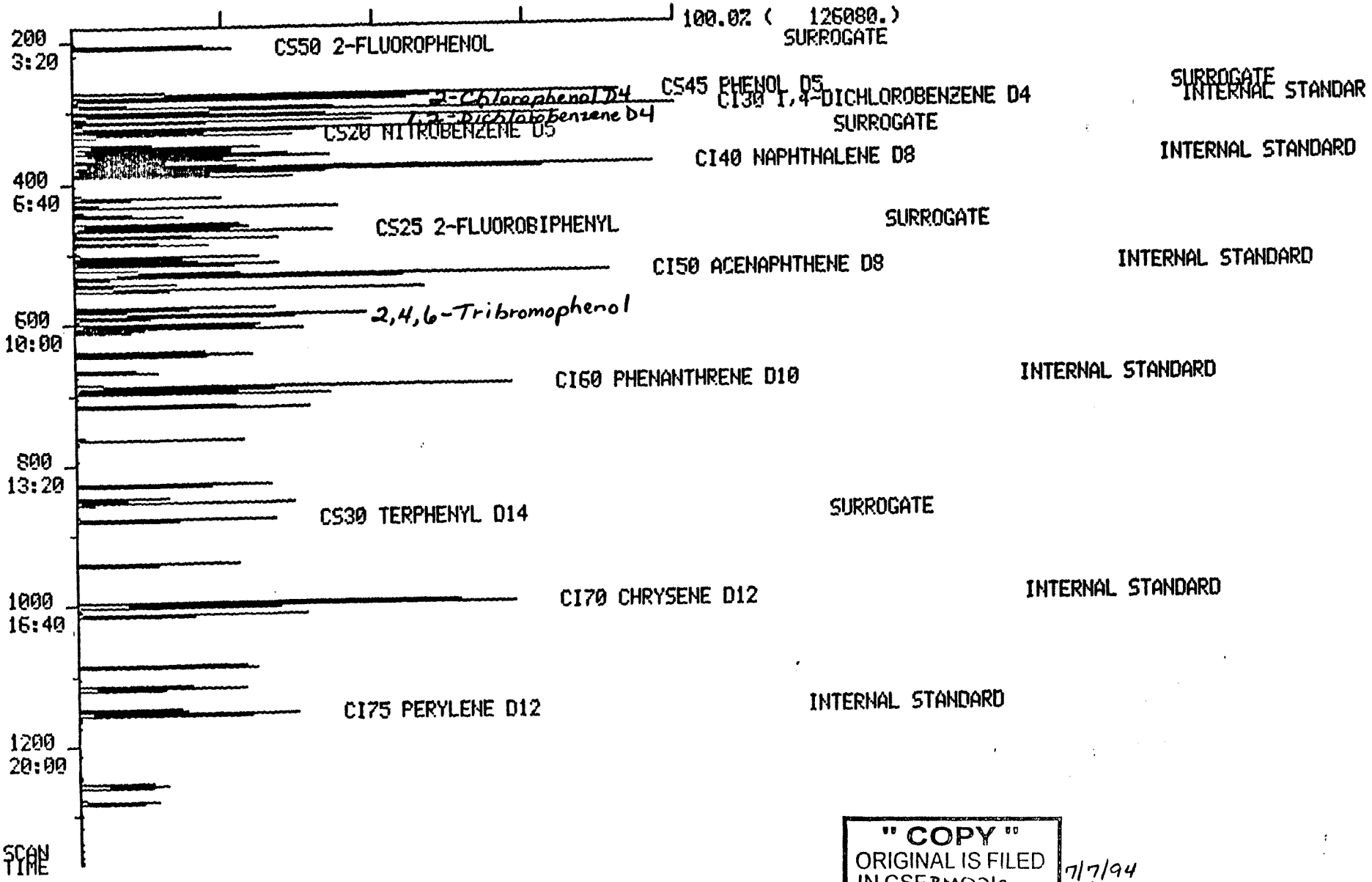
LAB FILE ID: RRF20 = 16383W RRF50 = 16381W
RRF80 = 16384W RRF120= 16385W RRF160= 16386W

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.100	1.182	1.011	0.887	0.919	1.020	12.1
4-Chlorophenyl-phenylether *	0.586	0.659	0.648	0.519	0.439	0.570	16.2*
Fluorene *	1.141	1.099	1.147	0.924	0.814	1.025	14.5*
4-Nitroaniline		0.354	0.348	0.336	0.283	0.330	9.8
4,6-Dinitro-2-Methylphenol		0.136	0.151	0.186	0.165	0.160	13.3
N-Nitrosodiphenylamine (1)	0.631	0.597	0.667	0.647	0.536	0.616	8.3
4-Bromophenyl-phenylether *	0.220	0.221	0.251	0.232	0.201	0.225	8.1*
Hexachlorobenzene *	0.224	0.260	0.252	0.242	0.207	0.237	9.1*
Pentachlorophenol *		0.129	0.146	0.140	0.123	0.134	7.8*
Phenanthrene *	1.213	1.078	1.155	1.103	0.921	1.094	10.0*
Anthracene *	1.194	1.179	1.211	1.043	0.855	1.096	13.7*
Carbazole	1.125	1.055	1.129	0.973	0.850	1.026	11.4
Di-n-Butylphthalate	1.310	1.299	1.387	1.397	1.200	1.319	6.0
Fluoranthene *	1.088	1.003	1.065	0.927	0.771	0.971	13.2*
Pyrene *	1.439	1.205	1.427	1.109	1.068	1.250	14.0*
Butylbenzylphthalate	0.675	0.617	0.775	0.657	0.705	0.686	8.6
3,3'-Dichlorobenzidine	0.408	0.422	0.365	0.341	0.315	0.370	12.1
Benzo(a)Anthracene *	1.203	1.118	1.103	0.998	0.931	1.071	10.0*
Chrysene *	1.024	0.979	0.926	0.804	0.804	0.907	11.1*
Bis(2-Ethylhexyl)Phthalate	0.935	0.924	0.922	1.007	0.857	0.929	5.7
Di-n-Octyl Phthalate	2.021	1.844	2.265	2.160	2.444	2.147	10.7
Benzo(b)Fluoranthene *	1.309	1.123	1.363	1.212	1.263	1.254	7.3*
Benzo(k)Fluoranthene *	1.381	1.202	1.235	1.332	1.159	1.262	7.3*
Benzo(a)Pyrene *	1.130	0.986	1.046	1.020	1.044	1.045	5.1*
Indeno(1,2,3-cd)Pyrene *	1.023	0.962	1.010	0.962	0.968	0.985	3.0*
Dibenz(a,h)Anthracene *	0.790	0.754	0.821	0.722	0.720	0.761	5.8*
Benzo(g,h,i)Perylene *	0.808	0.784	0.810	0.795	0.796	0.799	1.3*
Nitrobenzene-d5 *	0.498	0.514	0.519	0.504	0.474	0.502	3.5*
2-Fluorobiphenyl *	1.129	1.097	0.978	0.979	0.754	0.987	14.9*
Terphenyl-d14 *	0.940	0.883	0.882	0.767	0.686	0.832	12.4*
Phenol-d5 *	1.766	1.907	1.912	1.785	1.768	1.828	4.1*
2-Fluorophenol *	1.448	1.541	1.555	1.463	1.509	1.503	3.1*
2,4,6-Tribromophenol	0.108	0.138	0.123	0.114	0.103	0.117	11.8
2-Chlorophenol-d4 *	1.380	1.503	1.486	1.525	1.446	1.468	3.9*
1,2-Dichlorobenzene-d4 *	0.815	0.820	0.784	0.756	0.680	0.771	7.4*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

DATA FROM FILE: 16383W SCANS 180 TO 1368 ACQUIRED: 06/29/94 17:18:00
CALI: 16383W #3

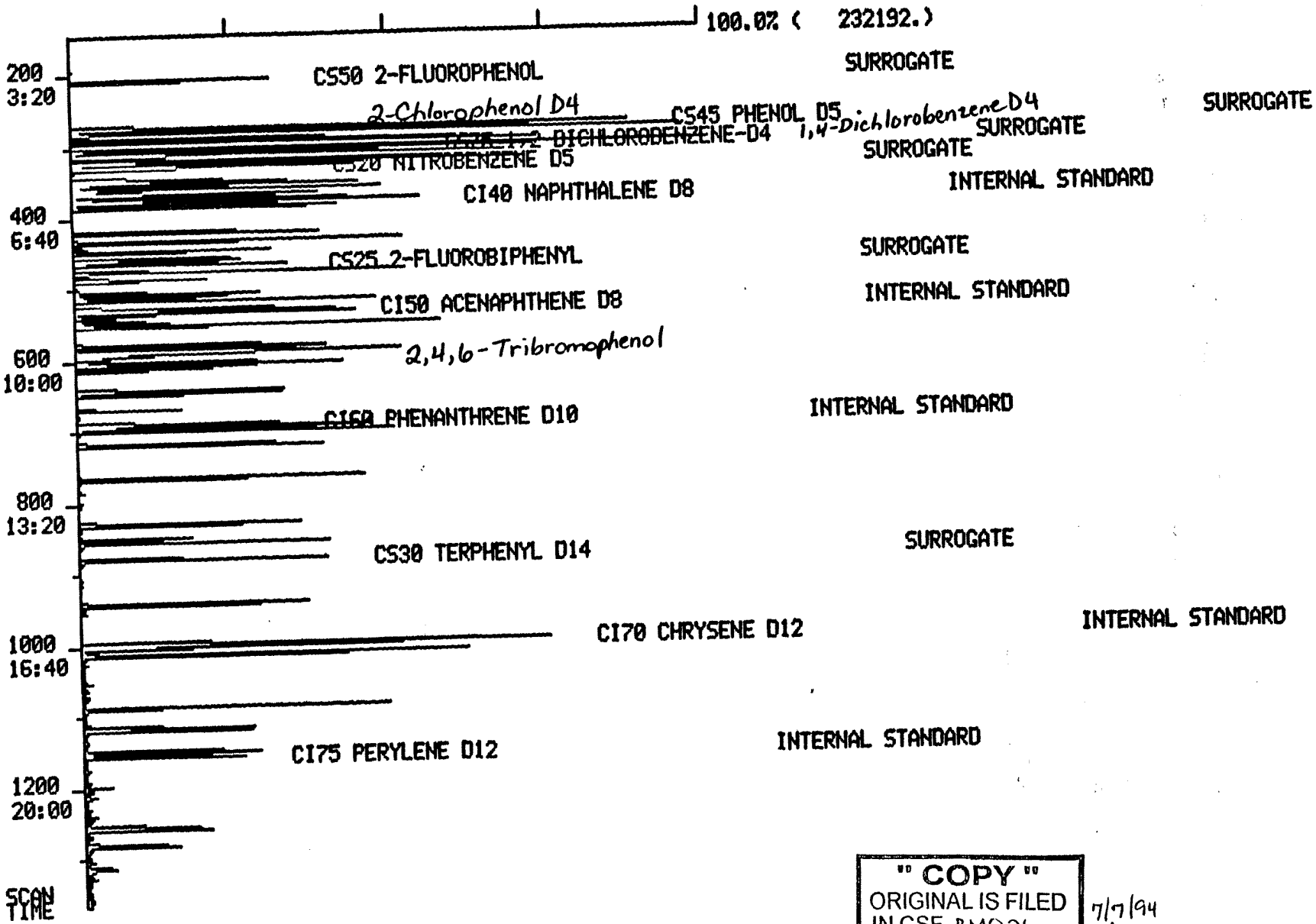
SAMPLE: SSTD020
CONDS.: AUTOSAMPLR I50W



" COPY "
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
dmo

DATA FROM FILE: 16381W SCANS 145 TO 1368 ACQUIRED: 06/29/94 16:14:00
CALI: 16381W #3

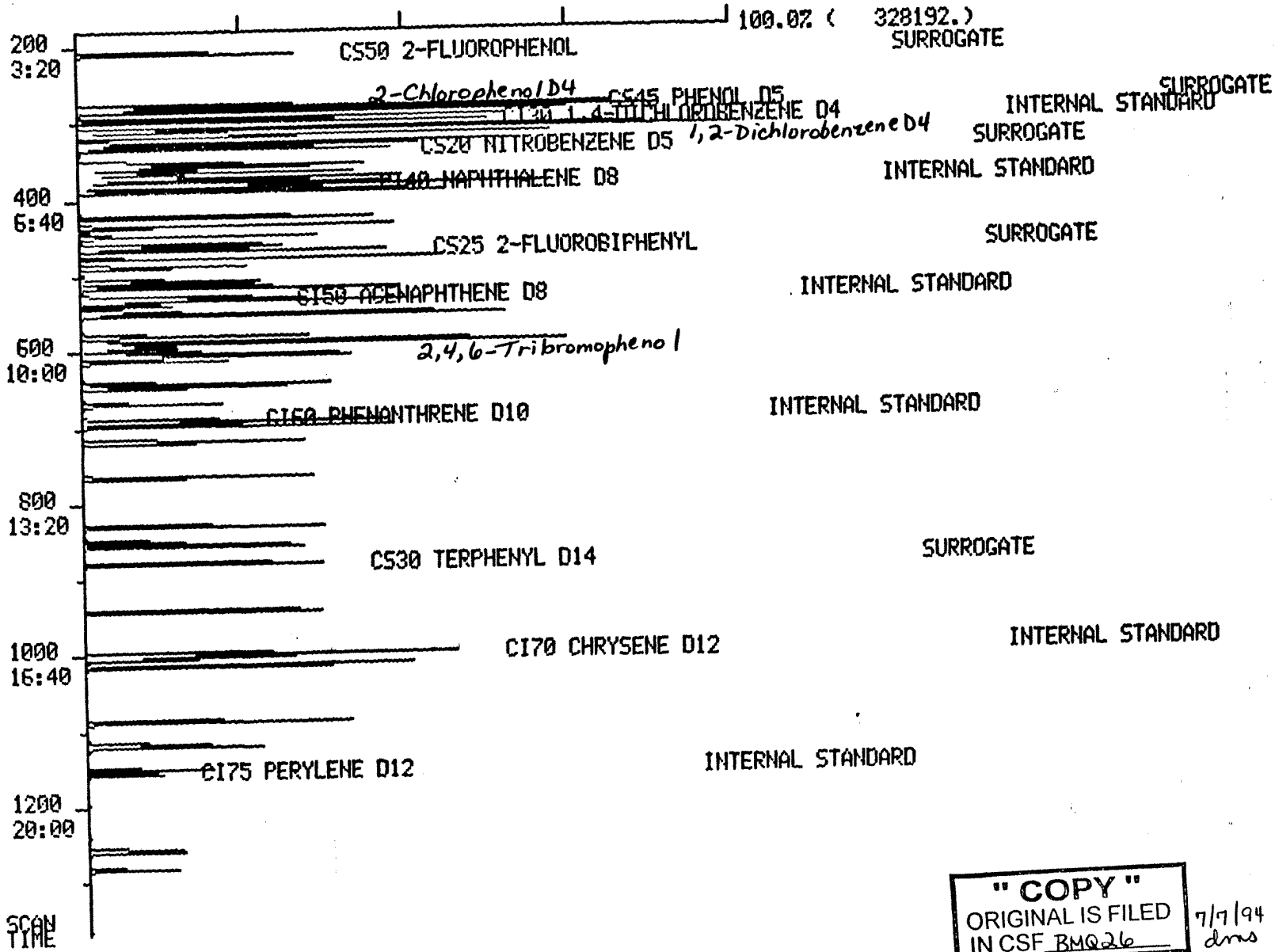
SAMPLE: SSTD050
CONDS.: AUTOSAMPLR I50W



" COPY "
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
dmo

DATA FROM FILE: 16384W SCANS 180 TO 1368 ACQUIRED: 06/29/94 17:52:00
CALI: 16384W #3

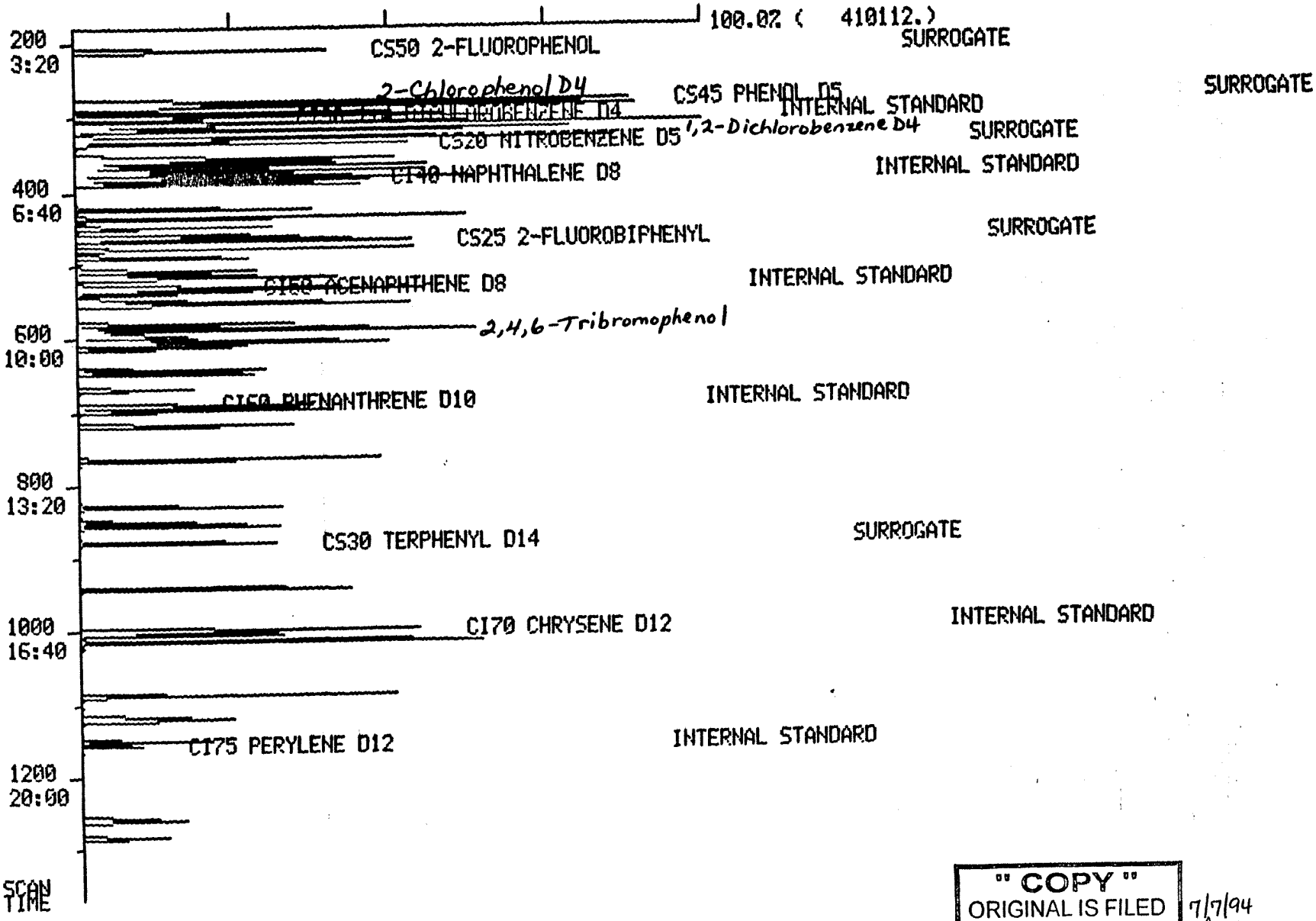
SAMPLE: SSTD080
CONDS.: AUTOSAMPLR I50W



" COPY "
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
dms

DATA FROM FILE: 16385W SCANS 180 TO 1368 ACQUIRED: 06/29/94 18:25:00
CALI: 16385W #3

SAMPLE: SSTD120
CONDS.: AUTOSAMPLR I50W

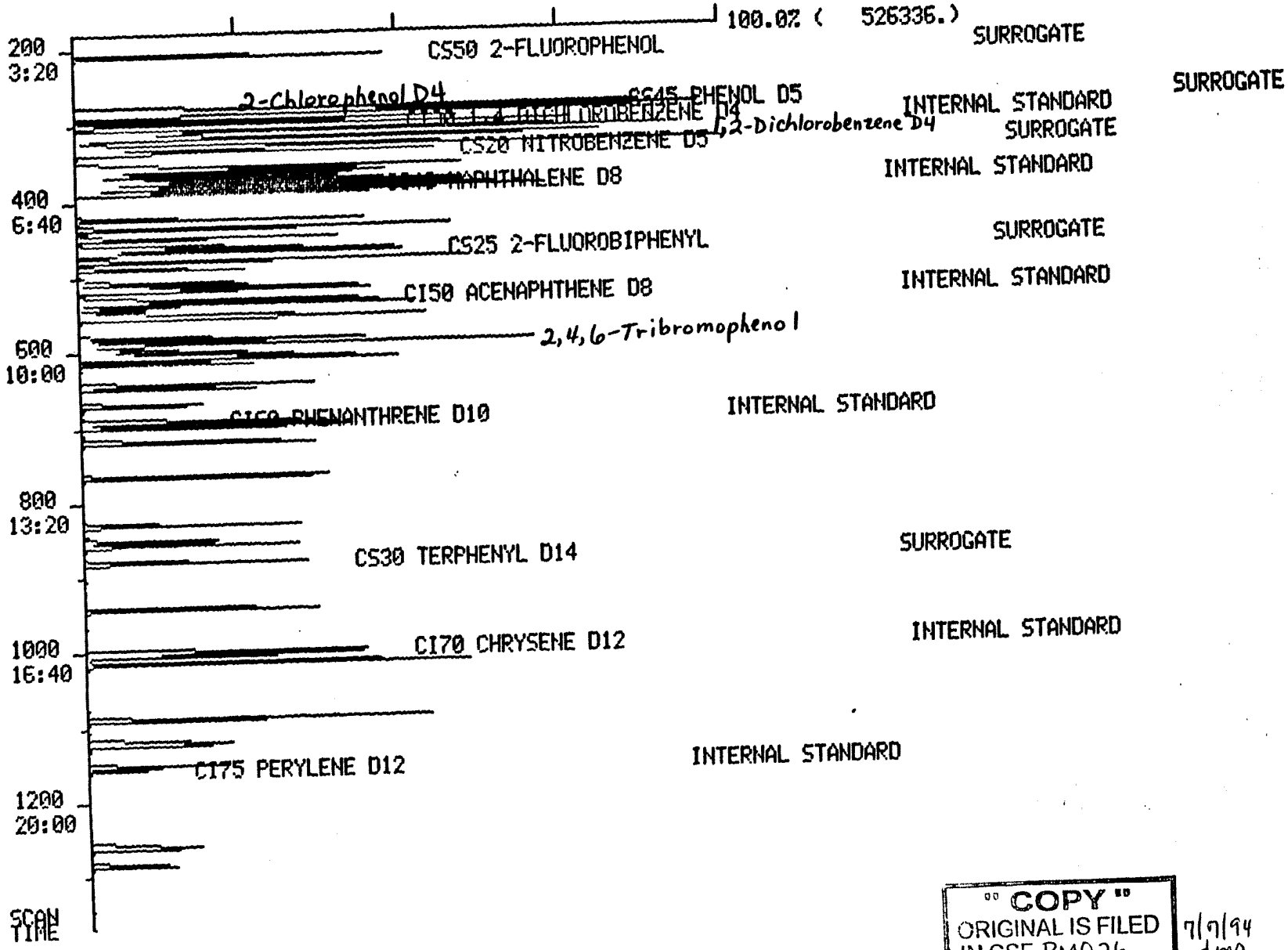


" COPY "
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
dms

0084

DATA FROM FILE: 16386W SCANS 180 TO 1368 ACQUIRED: 06/29/94 18:58:00
CALI: 16386W #3

SAMPLE: SSTD160
CONDS.: AUTOSAMPLR I50W



" COPY "
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
dms

Quantitation Report File: 16383W

Data: 16383W.TI
06/29/94 17:18:00
Sample: SSTD020
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

"COPY" ORIGINAL IS FILED IN CSF BMQ26 7/7/94 dmo

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	294	4:54	1	1.000	A BB	23816.	40.000 NG	2.25
2	136	378	6:18	2	1.000	A BB	77874.	40.000 NG	2.25
3	164	528	8:48	3	1.000	A BB	43378.	40.000 NG	2.25
4	188	687	11:27	4	1.000	A BB	55082.	40.000 NG	2.25
5	240	996	16:36	5	1.000	A BV	43784.	40.000 NG	2.25
6	264	1153	19:13	6	1.000	A BB	32264.	40.000 NG	2.25
7	152	303	5:03	1	1.031	A BB	9708.	20.000 NG	1.12
8	82	329	5:29	2	0.870	A BB	19374.	20.000 NG	1.12
9	172	464	7:44	3	0.879	A BB	24488.	20.000 NG	1.12
10	244	876	14:36	5	0.880	A BB	20588.	20.000 NG	1.12
11	99	274	4:34	1	0.932	A BB	21030.	20.000 NG	1.12
12	112	207	3:27	1	0.704	A BB	17248.	20.000 NG	1.12
13	132	280	4:40	1	0.952	M XX	16428.	20.000 NG	1.12
14	330	609	10:09	3	1.153	A BB	2350.	20.000 NG	1.12
15	94	275	4:35	1	0.935	A BV	25376.	20.000 NG	1.12
16	93	279	4:39	1	0.949	A BB	18664.	20.000 NG	1.12
17	128	281	4:41	1	0.956	A BB	15862.	20.000 NG	1.12
18	146	290	4:50	1	0.986	A BB	18686.	20.000 NG	1.12
19	146	295	4:55	1	1.003	A BB	18910.	20.000 NG	1.12
20	146	304	5:04	1	1.034	A BB	18104.	20.000 NG	1.12
21	108	311	5:11	1	1.058	A VB	14820.	20.000 NG	1.12
22	45	312	5:12	1	1.061	A BB	27158.	20.000 NG	1.12
23	108	321	5:21	1	1.092	A BB	16190.	20.000 NG	1.12
24	70	321	5:21	1	1.092	A BB	15026.	20.000 NG	1.12
25	117	325	5:25	1	1.105	A BB	6580.	20.000 NG	1.12
26	77	330	5:30	2	0.873	A BB	17944.	20.000 NG	1.12
27	82	347	5:47	2	0.918	A BB	35626.	20.000 NG	1.12
28	139	351	5:51	2	0.929	A BB	8032.	20.000 NG	1.12
29	107	355	5:55	2	0.939	A BB	14719.	20.000 NG	1.12
30	93	361	6:01	2	0.955	A BB	20134.	20.000 NG	1.12
31	162	368	6:08	2	0.974	A BB	11554.	20.000 NG	1.12
32	180	373	6:13	2	0.987	A BB	13450.	20.000 NG	1.12
33	128	379	6:19	2	1.003	A BB	44894.	20.000 NG	1.12
34	127	383	6:23	2	1.013	A VB	19184.	20.000 NG	1.12
35	225	388	6:28	2	1.026	A BB	7342.	20.000 NG	1.12
36	107	419	6:59	2	1.108	A BB	12110.	20.000 NG	1.12
37	142	432	7:12	2	1.143	A BB	22730.	20.000 NG	1.12
38	237	445	7:25	3	0.843	A BB	6012.	20.000 NG	1.12
39	196	456	7:36	3	0.864	M XX	7232.	20.000 NG	1.12
40	196	459	7:39	3	0.869	M XX	8636.	20.000 NG	1.12
41	162	474	7:54	3	0.898	A BB	23616.	20.000 NG	1.12
42	65	484	8:04	3	0.917	A BB	9000.	20.000 NG	1.12
43	163	503	8:23	3	0.953	A BB	24812.	20.000 NG	1.12
44	152	513	8:33	3	0.972	A BB	33848.	20.000 NG	1.12
45	165	508	8:28	3	0.962	A BB	5804.	20.000 NG	1.12
46	138	524	8:44	3	0.992	A BB	6562.	20.000 NG	1.12
47	153	531	8:51	3	1.006	A BB	23026.	20.000 NG	1.12
48	184	534	8:54	3	1.011	A BB	2004.	20.000 NG	1.12
49	109	542	9:02	3	1.027	A BB	2954.	20.000 NG	1.12
50	168	548	9:08	3	1.038	A BB	31920.	20.000 NG	1.12

" COPY "
ORIGINAL IS FILED
IN CSF_BMQ26
7/7/94 lmo

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:51	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:14	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:00	1.01	1.031	1.00	20.00	20.00	0.815	0.815	1.00
8	5:26	1.01	0.872	1.00	20.00	20.00	0.498	0.498	1.00
9	7:42	1.00	0.877	1.00	20.00	20.00	1.129	1.129	1.00
10	14:37	1.00	0.880	1.00	20.00	20.00	0.940	0.940	1.00
11	4:33	1.00	0.938	0.99	20.00	20.00	1.766	1.766	1.00
12	3:26	1.00	0.708	0.99	20.00	20.00	1.448	1.448	1.00
13	4:38	1.01	0.955	1.00	20.00	20.00	1.380	1.380	1.00
14	10:10	1.00	1.157	1.00	20.00	20.00	0.108	0.108	1.00
15	4:34	1.00	0.942	0.99	20.00	20.00	2.131	2.131	1.00
16	4:38	1.00	0.955	0.99	20.00	20.00	1.567	1.567	1.00
17	4:39	1.01	0.959	1.00	20.00	20.00	1.332	1.332	1.00
18	4:47	1.01	0.986	1.00	20.00	20.00	1.569	1.569	1.00
19	4:52	1.01	1.003	1.00	20.00	20.00	1.588	1.588	1.00
20	5:01	1.01	1.034	1.00	20.00	20.00	1.520	1.520	1.00
21	5:09	1.01	1.062	1.00	20.00	20.00	1.245	1.245	1.00
22	5:10	1.01	1.065	1.00	20.00	20.00	2.281	2.281	1.00
23	5:19	1.01	1.096	1.00	20.00	20.00	1.360	1.360	1.00
24	5:19	1.01	1.096	1.00	20.00	20.00	1.262	1.262	1.00
25	5:22	1.01	1.107	1.00	20.00	20.00	0.553	0.553	1.00
26	5:28	1.01	0.877	1.00	20.00	20.00	0.461	0.461	1.00
27	5:44	1.01	0.920	1.00	20.00	20.00	0.915	0.915	1.00
28	5:48	1.01	0.930	1.00	20.00	20.00	0.206	0.206	1.00
29	5:52	1.01	0.941	1.00	20.00	20.00	0.378	0.378	1.00
30	5:04	1.19	0.965	0.99	20.00	20.00	0.517	0.517	1.00
31	6:05	1.01	0.976	1.00	20.00	20.00	0.297	0.297	1.00
32	6:10	1.01	0.989	1.00	20.00	20.00	0.345	0.345	1.00
33	6:16	1.01	1.005	1.00	20.00	20.00	1.153	1.153	1.00
34	6:20	1.01	1.016	1.00	20.00	20.00	0.493	0.493	1.00
35	6:24	1.01	1.027	1.00	20.00	20.00	0.189	0.189	1.00
36	6:57	1.00	1.115	0.99	20.00	20.00	0.311	0.311	1.00
37	7:10	1.00	1.150	0.99	20.00	20.00	0.584	0.584	1.00
38	7:23	1.00	0.841	1.00	20.00	20.00	0.277	0.277	1.00
39	7:34	1.00	0.861	1.00	20.00	20.00	0.333	0.333	1.00
40	7:37	1.00	0.867	1.00	20.00	20.00	0.398	0.398	1.00
41	7:53	1.00	0.898	1.00	20.00	20.00	1.089	1.089	1.00
42	8:04	1.00	0.918	1.00	20.00	20.00	0.415	0.415	1.00
43	8:23	1.00	0.954	1.00	20.00	20.00	1.144	1.144	1.00
44	8:33	1.00	0.973	1.00	20.00	20.00	1.561	1.561	1.00
45	8:28	1.00	0.964	1.00	20.00	20.00	0.268	0.268	1.00
46	8:45	1.00	0.996	1.00	20.00	20.00	0.303	0.303	1.00
47	8:51	1.00	1.008	1.00	20.00	20.00	1.062	1.062	1.00
48	8:55	1.00	1.015	1.00	20.00	20.00	0.092	0.092	1.00
49	9:03	1.00	1.030	1.00	20.00	20.00	0.136	0.136	1.00
50	9:08	1.00	1.040	1.00	20.00	20.00	1.472	1.472	1.00

" COPY "
ORIGINAL IS FILED
IN CSF BM026

amp 4/9/96

Quantitation Report File: 16383W

Data: 16383W.TI
06/29/94 17:18:00
Sample: SSTD020
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

7/7/94 dmo
"COPY" ORIGINAL IS FILED IN CSF BM026

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	548	9:08	3	1.038	A BB	8026.	20.000 NG	1.12
52	149	576	9:36	3	1.091	A BB	23854.	20.000 NG	1.12
53	204	585	9:45	3	1.108	A BB	12702.	20.000 NG	1.12
54	166	584	9:44	3	1.106	A BB	24754.	20.000 NG	1.12
55	138	524	8:44	3	0.992	A BB	6562.	20.000 NG	1.12
56	198	591	9:51	4	0.860	A BB	3230.	20.000 NG	1.12
57	169	599	9:59	4	0.872	A BB	17386.	20.000 NG	1.12
58	248	639	10:39	4	0.930	A BB	6066.	20.000 NG	1.12
59	284	643	10:43	4	0.936	A BB	6158.	20.000 NG	1.12

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
60	266	666	11:06	4	0.969	A BB	3086.	20.000	NG	1.12
61	178	689	11:29	4	1.003	A BV	33398.	20.000	NG	1.12
62	178	695	11:35	4	1.012	A VB	32896.	20.000	NG	1.12
63	167	715	11:55	4	1.041	A BB	30970.	20.000	NG	1.12
64	149	762	12:42	4	1.109	A BB	36086.	20.000	NG	1.12
65	202	826	13:46	4	1.202	A BB	29960.	20.000	NG	1.12
66	202	852	14:12	5	0.855	A BB	31496.	20.000	NG	1.12
67	149	939	15:39	5	0.943	A BB	14768.	20.000	NG	1.12
68	252	995	16:35	5	0.999	A BB	8938.	20.000	NG	1.12
69	228	995	16:35	5	0.999	A BV	26340.	20.000	NG	1.12
70	228	999	16:39	5	1.003	A VV	22409.	20.000	NG	1.12
71	149	1011	16:51	5	1.015	A BB	20466.	20.000	NG	1.12
72	149	1084	18:04	6	0.940	A BB	32604.	20.000	NG	1.12
73	252	1114	18:34	6	0.966	M XX	21120.	20.000	NG	1.12
74	252	1117	18:37	6	0.969	M XX	22272.	20.000	NG	1.12
75	252	1146	19:06	6	0.994	A BV	18232.	20.000	NG	1.12
76	276	1253	20:53	6	1.087	A BB	16500.	20.000	NG	1.12
77	278	1255	20:55	6	1.088	A BB	12742.	20.000	NG	1.12
78	276	1278	21:18	6	1.108	A BB	13040.	20.000	NG	1.12
79	NOT	FOUND								
80	93	274	4:34	1	0.932	A BB	26944.	20.000	NG	1.12
81	184	687	11:27	5	0.690	A BB	8180.	20.000	NG	1.12
82	108	304	5:04	1	1.034	A BV	10390.	20.000	NG	1.12
83	122	364	6:04	2	0.963	A VB	6386.	20.000	NG	1.12
84	77	603	10:03	3	1.142	A BB	39640.	20.000	NG	1.12

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:09	1.00	1.042	1.00	20.00	20.00	0.370	0.370	1.00
52	9:37	1.00	1.095	1.00	20.00	20.00	1.100	1.100	1.00
53	9:46	1.00	1.112	1.00	20.00	20.00	0.586	0.586	1.00
54	9:44	1.00	1.108	1.00	20.00	20.00	1.141	1.141	1.00
55	8:45	1.00	0.996	1.00	20.00	20.00	0.303	0.303	1.00
56	9:52	1.00	0.862	1.00	20.00	20.00	0.117	0.117	1.00
57	9:59	1.00	0.872	1.00	20.00	20.00	0.631	0.631	1.00
58	10:39	1.00	0.930	1.00	20.00	20.00	0.220	0.220	1.00
59	10:44	1.00	0.937	1.00	20.00	20.00	0.224	0.224	1.00
60	11:06	1.00	0.969	1.00	20.00	20.00	0.112	0.112	1.00
61	11:30	1.00	1.004	1.00	20.00	20.00	1.213	1.213	1.00
62	11:36	1.00	1.013	1.00	20.00	20.00	1.194	1.194	1.00
63	11:56	1.00	1.042	1.00	20.00	20.00	1.125	1.125	1.00
64	12:43	1.00	1.111	1.00	20.00	20.00	1.310	1.310	1.00
65	13:47	1.00	1.204	1.00	20.00	20.00	1.088	1.088	1.00
66	14:13	1.00	0.856	1.00	20.00	20.00	1.439	1.439	1.00
67	15:39	1.00	0.942	1.00	20.00	20.00	0.675	0.675	1.00
68	16:37	1.00	1.000	1.00	20.00	20.00	0.408	0.408	1.00
69	16:36	1.00	0.999	1.00	20.00	20.00	1.203	1.203	1.00
70	16:40	1.00	1.003	1.00	20.00	20.00	1.024	1.024	1.00
71	16:51	1.00	1.014	1.00	20.00	20.00	0.935	0.935	1.00
72	18:05	1.00	0.940	1.00	20.00	20.00	2.021	2.021	1.00
73	18:35	1.00	0.966	1.00	20.00	20.00	1.309	1.309	1.00
74	18:38	1.00	0.969	1.00	20.00	20.00	1.381	1.381	1.00
75	19:08	1.00	0.995	1.00	20.00	20.00	1.130	1.130	1.00
76	20:54	1.00	1.087	1.00	20.00	20.00	1.023	1.023	1.00
77	20:57	1.00	1.089	1.00	20.00	20.00	0.790	0.790	1.00
78	21:20	1.00	1.109	1.00	20.00	20.00	0.808	0.808	1.00
79	1:06		0.232						

"COPY" ORIGINAL IS FILED IN CSF BM026 7/7/94 lmo

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:32	1.01	0.935	1.00	20.00	20.00	2.263	2.263	1.00
81	11:27	1.00	0.689	1.00	20.00	20.00	0.374	0.374	1.00
82	5:02	1.01	1.038	1.00	20.00	20.00	0.873	0.873	1.00
83	6:04	1.00	0.973	0.99	20.00	20.00	0.164	0.164	1.00
84	9:46	1.03	1.112	1.03	20.00	20.00	1.828	1.828	1.00

7/7/94 dmo
" COPY "
ORIGINAL IS FILED
IN CSF BM0026

Quantitation Report File: 16381W

Data: 16381W.TI
06/29/94 16:14:00
Sample: SSTD050
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

"COPY" ORIGINAL IS FILED IN CSF BMD 26
7/7/94 dma

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	291	4:51	1	1.000	A BB	22600.	40.000 NG	0.98
2	136	374	6:14	2	1.000	A BB	74726.	40.000 NG	0.98
3	164	527	8:47	3	1.000	A BB	40874.	40.000 NG	0.98
4	188	687	11:27	4	1.000	A BB	54168.	40.000 NG	0.98
5	240	997	16:37	5	1.000	A BV	47968.	40.000 NG	0.98
6	264	1154	19:14	6	1.000	A BB	35902.	40.000 NG	0.98
7	152	300	5:00	1	1.031	A BB	23164.	50.000 NG	1.22
8	82	326	5:26	2	0.872	A BB	47992.	50.000 NG	1.22
9	172	462	7:42	3	0.877	A BB	56066.	50.000 NG	1.22
10	244	877	14:37	5	0.880	A BB	52918.	50.000 NG	1.22
11	99	273	4:33	1	0.938	A BV	53880.	50.000 NG	1.22
12	112	206	3:26	1	0.708	A BB	43542.	50.000 NG	1.22
13	132	278	4:38	1	0.955	A BB	42472.	50.000 NG	1.22
14	330	610	10:10	3	1.157	A BB	7056.	50.000 NG	1.22
15	94	274	4:34	1	0.942	A BV	64530.	50.000 NG	1.22
16	93	278	4:38	1	0.955	A VB	55986.	50.000 NG	1.22
17	128	279	4:39	1	0.959	A BB	43768.	50.000 NG	1.22
18	146	287	4:47	1	0.986	A BV	43052.	50.000 NG	1.22
19	146	292	4:52	1	1.003	A VB	44084.	50.000 NG	1.22
20	146	301	5:01	1	1.034	A BB	40236.	50.000 NG	1.22
21	108	309	5:09	1	1.062	A VB	37449.	50.000 NG	1.22
22	45	310	5:10	1	1.065	A BB	61498.	50.000 NG	1.22
23	108	319	5:19	1	1.096	A BB	38643.	50.000 NG	1.22
24	70	319	5:19	1	1.096	A BV	36420.	50.000 NG	1.22
25	117	322	5:22	1	1.107	A BB	17772.	50.000 NG	1.22
26	77	328	5:28	2	0.877	A BB	48230.	50.000 NG	1.22
27	82	344	5:44	2	0.920	A BB	85382.	50.000 NG	1.22
28	139	348	5:48	2	0.930	A BB	21508.	50.000 NG	1.22
29	107	352	5:52	2	0.941	A BV	36750.	50.000 NG	1.22
30	93	358	5:58	2	0.957	A VB	52236.	50.000 NG	1.22
31	162	365	6:05	2	0.976	A BB	29288.	50.000 NG	1.22
32	180	370	6:10	2	0.989	A BB	32382.	50.000 NG	1.22
33	128	376	6:16	2	1.005	A BV	100006.	50.000 NG	1.22
34	127	380	6:20	2	1.016	A BB	58810.	50.000 NG	1.22
35	225	384	6:24	2	1.027	A BB	15884.	50.000 NG	1.22
36	107	417	6:57	2	1.115	A BB	29622.	50.000 NG	1.22
37	142	430	7:10	2	1.150	A BB	57202.	50.000 NG	1.22
38	237	443	7:23	3	0.841	A BB	16282.	50.000 NG	1.22
39	196	454	7:34	3	0.861	M XX	20538.	50.000 NG	1.22
40	196	457	7:37	3	0.867	M XX	17774.	50.000 NG	1.22
41	162	473	7:53	3	0.898	A BB	57090.	50.000 NG	1.22
42	65	484	8:04	3	0.918	A BB	23880.	50.000 NG	1.22
43	163	503	8:23	3	0.954	A BB	56362.	50.000 NG	1.22
44	152	513	8:33	3	0.973	A BB	82694.	50.000 NG	1.22
45	165	508	8:28	3	0.964	A BB	14762.	50.000 NG	1.22
46	138	525	8:45	3	0.996	A BB	18074.	50.000 NG	1.22
47	153	531	8:51	3	1.008	A BB	49852.	50.000 NG	1.22
48	184	535	8:55	3	1.015	A BB	7406.	50.000 NG	1.22
49	109	543	9:03	3	1.030	A BV	7332.	50.000 NG	1.22
50	168	548	9:08	3	1.040	A BB	73486.	50.000 NG	1.22

"COPY" ORIGINAL IS FILED IN CSF BM026 7/7/94 dms

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:00	1.00	1.031	1.00	50.00	50.00	0.820	0.820	1.00
8	5:26	1.00	0.872	1.00	50.00	50.00	0.514	0.514	1.00
9	7:42	1.00	0.877	1.00	50.00	50.00	1.097	1.097	1.00
10	14:37	1.00	0.880	1.00	50.00	50.00	0.883	0.883	1.00
11	4:33	1.00	0.938	1.00	50.00	50.00	1.907	1.907	1.00
12	3:26	1.00	0.708	1.00	50.00	50.00	1.541	1.541	1.00
13	4:38	1.00	0.955	1.00	50.00	50.00	1.503	1.503	1.00
14	10:10	1.00	1.157	1.00	50.00	50.00	0.138	0.138	1.00
15	4:34	1.00	0.942	1.00	50.00	50.00	2.284	2.284	1.00
16	4:38	1.00	0.955	1.00	50.00	50.00	1.982	1.982	1.00
17	4:39	1.00	0.959	1.00	50.00	50.00	1.549	1.549	1.00
18	4:47	1.00	0.986	1.00	50.00	50.00	1.524	1.524	1.00
19	4:52	1.00	1.003	1.00	50.00	50.00	1.560	1.560	1.00
20	5:01	1.00	1.034	1.00	50.00	50.00	1.424	1.424	1.00
21	5:09	1.00	1.062	1.00	50.00	50.00	1.326	1.326	1.00
22	5:10	1.00	1.065	1.00	50.00	50.00	2.177	2.177	1.00
23	5:19	1.00	1.096	1.00	50.00	50.00	1.368	1.368	1.00
24	5:19	1.00	1.096	1.00	50.00	50.00	1.289	1.289	1.00
25	5:22	1.00	1.107	1.00	50.00	50.00	0.629	0.629	1.00
26	5:28	1.00	0.877	1.00	50.00	50.00	0.516	0.516	1.00
27	5:44	1.00	0.920	1.00	50.00	50.00	0.914	0.914	1.00
28	5:48	1.00	0.930	1.00	50.00	50.00	0.230	0.230	1.00
29	5:52	1.00	0.941	1.00	50.00	50.00	0.393	0.393	1.00
30	5:58	1.00	0.957	1.00	50.00	50.00	0.559	0.559	1.00
31	6:05	1.00	0.976	1.00	50.00	50.00	0.314	0.314	1.00
32	6:10	1.00	0.989	1.00	50.00	50.00	0.347	0.347	1.00
33	6:16	1.00	1.005	1.00	50.00	50.00	1.071	1.071	1.00
34	6:20	1.00	1.016	1.00	50.00	50.00	0.630	0.630	1.00
35	6:24	1.00	1.027	1.00	50.00	50.00	0.170	0.170	1.00
36	6:57	1.00	1.115	1.00	50.00	50.00	0.317	0.317	1.00
37	7:10	1.00	1.150	1.00	50.00	50.00	0.612	0.612	1.00
38	7:23	1.00	0.841	1.00	50.00	50.00	0.319	0.319	1.00
39	7:34	1.00	0.861	1.00	50.00	50.00	0.402	0.402	1.00
40	7:37	1.00	0.867	1.00	50.00	50.00	0.348	0.348	1.00
41	7:53	1.00	0.898	1.00	50.00	50.00	1.117	1.117	1.00
42	8:04	1.00	0.918	1.00	50.00	50.00	0.467	0.467	1.00
43	8:23	1.00	0.954	1.00	50.00	50.00	1.103	1.103	1.00
44	8:33	1.00	0.973	1.00	50.00	50.00	1.619	1.619	1.00
45	8:28	1.00	0.964	1.00	50.00	50.00	0.289	0.289	1.00
46	8:45	1.00	0.996	1.00	50.00	50.00	0.354	0.354	1.00
47	8:51	1.00	1.008	1.00	50.00	50.00	0.976	0.976	1.00
48	8:55	1.00	1.015	1.00	50.00	50.00	0.145	0.145	1.00
49	9:03	1.00	1.030	1.00	50.00	50.00	0.144	0.144	1.00
50	9:08	1.00	1.040	1.00	50.00	50.00	1.438	1.438	1.00

"COPY" ORIGINAL IS FILED IN CSF BMQ 26
7/7/94 dmo

Quantitation Report File: 16381W

Data: 16381W.TI
06/29/94 16:14:00
Sample: SSTD050
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

"COPY" ORIGINAL IS FILED IN CSF BM026 7/7/94 dma

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

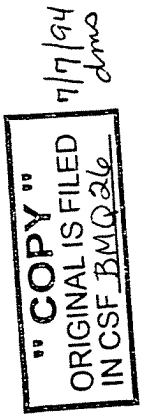
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	549	9:09	3	1.042	A BB	21420.	50.000 NG	1.22
52	149	577	9:37	3	1.095	A BB	60380.	50.000 NG	1.22
53	204	586	9:46	3	1.112	A BB	33652.	50.000 NG	1.22
54	166	584	9:44	3	1.108	A BB	56142.	50.000 NG	1.22
55	138	525	8:45	3	0.996	A BB	18074.	50.000 NG	1.22
56	198	592	9:52	4	0.862	A BB	9200.	50.000 NG	1.22
57	169	599	9:59	4	0.872	A BB	40454.	50.000 NG	1.22
58	248	639	10:39	4	0.930	A BB	14978.	50.000 NG	1.22
59	284	644	10:44	4	0.937	A BB	17578.	50.000 NG	1.22

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	666	11:06	4	0.969	A BB	8704.	50.000 NG	1.22
61	178	690	11:30	4	1.004	A BV	72980.	50.000 NG	1.22
62	178	696	11:36	4	1.013	A VB	79830.	50.000 NG	1.22
63	167	716	11:56	4	1.042	A BB	71438.	50.000 NG	1.22
64	149	763	12:43	4	1.111	A BB	87972.	50.000 NG	1.22
65	202	827	13:47	4	1.204	A BB	67920.	50.000 NG	1.22
66	202	853	14:13	5	0.856	A BB	72265.	50.000 NG	1.22
67	149	939	15:39	5	0.942	A BV	36998.	50.000 NG	1.22
68	252	997	16:37	5	1.000	A BB	25280.	50.000 NG	1.22
69	228	996	16:36	5	0.999	A BV	67012.	50.000 NG	1.22
70	228	1000	16:40	5	1.003	A VV	58713.	50.000 NG	1.22
71	149	1011	16:51	5	1.014	A BV	55390.	50.000 NG	1.22
72	149	1085	18:05	6	0.940	A BB	82750.	50.000 NG	1.22
73	252	1115	18:35	6	0.966	M XX	50385.	50.000 NG	1.22
74	252	1118	18:38	6	0.969	M XX	53945.	50.000 NG	1.22
75	252	1148	19:08	6	0.995	A BV	44256.	50.000 NG	1.22
76	276	1254	20:54	6	1.087	A BB	43163.	50.000 NG	1.22
77	278	1257	20:57	6	1.089	A BV	33828.	50.000 NG	1.22
78	276	1280	21:20	6	1.109	A BB	35183.	50.000 NG	1.22
79	NOT	FOUND							
80	93	272	4:32	1	0.935	A BV	66204.	50.000 NG	1.22
81	184	687	11:27	5	0.689	A BB	8224.	50.000 NG	1.22
82	108	302	5:02	1	1.038	A BV	26063.	50.000 NG	1.22
83	122	364	6:04	2	0.973	A VB	17449.	50.000 NG	1.22
84	77	586	9:46	3	1.112	A BV	18398.	50.000 NG	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:09	1.00	1.042	1.00	50.00	50.00	0.419	0.419	1.00
52	9:37	1.00	1.095	1.00	50.00	50.00	1.182	1.182	1.00
53	9:46	1.00	1.112	1.00	50.00	50.00	0.659	0.659	1.00
54	9:44	1.00	1.108	1.00	50.00	50.00	1.099	1.099	1.00
55	8:45	1.00	0.996	1.00	50.00	50.00	0.354	0.354	1.00
56	9:52	1.00	0.862	1.00	50.00	50.00	0.136	0.136	1.00
57	9:59	1.00	0.872	1.00	50.00	50.00	0.597	0.597	1.00
58	10:39	1.00	0.930	1.00	50.00	50.00	0.221	0.221	1.00
59	10:44	1.00	0.937	1.00	50.00	50.00	0.260	0.260	1.00
60	11:06	1.00	0.969	1.00	50.00	50.00	0.129	0.129	1.00
61	11:30	1.00	1.004	1.00	50.00	50.00	1.078	1.078	1.00
62	11:36	1.00	1.013	1.00	50.00	50.00	1.179	1.179	1.00
63	11:56	1.00	1.042	1.00	50.00	50.00	1.055	1.055	1.00
64	12:43	1.00	1.111	1.00	50.00	50.00	1.299	1.299	1.00
65	13:47	1.00	1.204	1.00	50.00	50.00	1.003	1.003	1.00
66	14:13	1.00	0.856	1.00	50.00	50.00	1.205	1.205	1.00
67	15:39	1.00	0.942	1.00	50.00	50.00	0.617	0.617	1.00
68	16:37	1.00	1.000	1.00	50.00	50.00	0.422	0.422	1.00
69	16:36	1.00	0.999	1.00	50.00	50.00	1.118	1.118	1.00
70	16:40	1.00	1.003	1.00	50.00	50.00	0.979	0.979	1.00
71	16:51	1.00	1.014	1.00	50.00	50.00	0.924	0.924	1.00
72	18:05	1.00	0.940	1.00	50.00	50.00	1.844	1.844	1.00
73	18:35	1.00	0.966	1.00	50.00	50.00	1.123	1.123	1.00
74	18:38	1.00	0.969	1.00	50.00	50.00	1.202	1.202	1.00
75	19:08	1.00	0.995	1.00	50.00	50.00	0.986	0.986	1.00
76	20:54	1.00	1.087	1.00	50.00	50.00	0.962	0.962	1.00
77	20:57	1.00	1.089	1.00	50.00	50.00	0.754	0.754	1.00
78	21:20	1.00	1.109	1.00	50.00	50.00	0.784	0.784	1.00
79	1:06		0.232						

"COPY" ORIGINAL IS FILED IN CSF BMQ 26
7/7/94 dmo

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:32	1.00	0.935	1.00	50.00	50.00	2.344	2.344	1.00
81	11:27	1.00	0.689	1.00	50.00	50.00	0.137	0.137	1.00
82	5:02	1.00	1.038	1.00	50.00	50.00	0.923	0.923	1.00
83	6:04	1.00	0.973	1.00	50.00	50.00	0.187	0.187	1.00
84	9:46	1.00	1.112	1.00	50.00	50.00	0.360	0.360	1.00



Quantitation Report File: 16384W

Data: 16384W.TI
06/29/94 17:52:00
Sample: SSTD080
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

7/7/94 dma
"COPY" ORIGINAL IS FILED IN CSF BNQ 26

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	296	4:56	1	1.000	A BB	21776.	40.000 NG	0.63
2	136	379	6:19	2	1.000	A BB	73672.	40.000 NG	0.63
3	164	529	8:49	3	1.000	A BB	40882.	40.000 NG	0.63
4	188	688	11:28	4	1.000	A BB	48444.	40.000 NG	0.63
5	240	997	16:37	5	1.000	A BV	36914.	40.000 NG	0.63
6	264	1153	19:13	6	1.000	A BB	25086.	40.000 NG	0.63
7	152	305	5:05	1	1.030	A BB	34150.	80.000 NG	1.25
8	82	332	5:32	2	0.876	A BB	76532.	80.000 NG	1.25
9	172	465	7:45	3	0.879	A BB	79934.	80.000 NG	1.25
10	244	877	14:37	5	0.880	A BV	65120.	80.000 NG	1.25
11	99	277	4:37	1	0.936	A BV	83290.	80.000 NG	1.25
12	112	208	3:28	1	0.703	A BB	67722.	80.000 NG	1.25
13	132	282	4:42	1	0.953	A BB	64712.	80.000 NG	1.25
14	330	611	10:11	3	1.155	A BB	10056.	80.000 NG	1.25
15	94	278	4:38	1	0.939	A BB	83732.	80.000 NG	1.25
16	93	282	4:42	1	0.953	A VB	66610.	80.000 NG	1.25
17	128	283	4:43	1	0.956	A BB	67086.	80.000 NG	1.25
18	146	292	4:52	1	0.986	A BB	72224.	80.000 NG	1.25
19	146	297	4:57	1	1.003	A BB	73452.	80.000 NG	1.25
20	146	306	5:06	1	1.034	A BB	72316.	80.000 NG	1.25
21	108	314	5:14	1	1.061	A VV	63346.	80.000 NG	1.25
22	45	315	5:15	1	1.064	A BB	104030.	80.000 NG	1.25
23	108	324	5:24	1	1.095	A BV	57544.	80.000 NG	1.25
24	70	326	5:26	1	1.101	A BV	63028.	80.000 NG	1.25
25	117	327	5:27	1	1.105	A BB	29418.	80.000 NG	1.25
26	77	333	5:33	2	0.879	A VB	69433.	80.000 NG	1.25
27	82	351	5:51	2	0.926	A BB	138376.	80.000 NG	1.25
28	139	353	5:53	2	0.931	A BB	34928.	80.000 NG	1.25
29	107	357	5:57	2	0.942	A BV	58126.	80.000 NG	1.25
30	93	363	6:03	2	0.958	A VB	71478.	80.000 NG	1.25
31	162	370	6:10	2	0.976	A BB	45356.	80.000 NG	1.25
32	180	375	6:15	2	0.989	A BB	50738.	80.000 NG	1.25
33	128	381	6:21	2	1.005	A BV	159964.	80.000 NG	1.25
34	127	385	6:25	2	1.016	A BB	96638.	80.000 NG	1.25
35	225	389	6:29	2	1.026	A BB	27194.	80.000 NG	1.25
36	107	421	7:01	2	1.111	A BV	49682.	80.000 NG	1.25
37	142	433	7:13	2	1.142	A VB	78494.	80.000 NG	1.25
38	237	446	7:26	3	0.843	A BB	25352.	80.000 NG	1.25
39	196	457	7:37	3	0.864	M XX	35216.	80.000 NG	1.25
40	196	460	7:40	3	0.870	M XX	28622.	80.000 NG	1.25
41	162	476	7:56	3	0.900	A BB	96698.	80.000 NG	1.25
42	65	486	8:06	3	0.919	A BB	34858.	80.000 NG	1.25
43	163	505	8:25	3	0.955	A BB	89328.	80.000 NG	1.25
44	152	515	8:35	3	0.974	A BB	132866.	80.000 NG	1.25
45	165	510	8:30	3	0.964	A BB	26880.	80.000 NG	1.25
46	138	527	8:47	3	0.996	A BB	28472.	80.000 NG	1.25
47	153	532	8:52	3	1.006	A BB	68754.	80.000 NG	1.25
48	184	537	8:57	3	1.015	A BB	12908.	80.000 NG	1.25
49	109	545	9:05	3	1.030	A BV	11790.	80.000 NG	1.25
50	168	550	9:10	3	1.040	A BB	119840.	80.000 NG	1.25

"COPY" ORIGINAL IS FILED IN CSF BM026 7/7/94 dmo

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:51	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:14	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:00	1.02	1.031	1.00	80.00	80.00	0.784	0.784	1.00
8	5:26	1.02	0.872	1.00	80.00	80.00	0.519	0.519	1.00
9	7:42	1.01	0.877	1.00	80.00	80.00	0.978	0.978	1.00
10	14:37	1.00	0.880	1.00	80.00	80.00	0.882	0.882	1.00
11	4:33	1.01	0.938	1.00	80.00	80.00	1.912	1.912	1.00
12	3:26	1.01	0.708	0.99	80.00	80.00	1.555	1.555	1.00
13	4:38	1.01	0.955	1.00	80.00	80.00	1.486	1.486	1.00
14	10:10	1.00	1.157	1.00	80.00	80.00	0.123	0.123	1.00
15	4:34	1.01	0.942	1.00	80.00	80.00	1.923	1.923	1.00
16	4:38	1.01	0.955	1.00	80.00	80.00	1.529	1.529	1.00
17	4:39	1.01	0.959	1.00	80.00	80.00	1.540	1.540	1.00
18	4:47	1.02	0.986	1.00	80.00	80.00	1.658	1.658	1.00
19	4:52	1.02	1.003	1.00	80.00	80.00	1.687	1.687	1.00
20	5:01	1.02	1.034	1.00	80.00	80.00	1.660	1.660	1.00
21	5:09	1.02	1.062	1.00	80.00	80.00	1.454	1.454	1.00
22	5:10	1.02	1.065	1.00	80.00	80.00	2.389	2.389	1.00
23	5:19	1.02	1.096	1.00	80.00	80.00	1.321	1.321	1.00
24	5:19	1.02	1.096	1.00	80.00	80.00	1.447	1.447	1.00
25	5:22	1.02	1.107	1.00	80.00	80.00	0.675	0.675	1.00
26	5:28	1.02	0.877	1.00	80.00	80.00	0.471	0.471	1.00
27	5:44	1.02	0.920	1.01	80.00	80.00	0.939	0.939	1.00
28	5:48	1.01	0.930	1.00	80.00	80.00	0.237	0.237	1.00
29	5:52	1.01	0.941	1.00	80.00	80.00	0.394	0.394	1.00
30	5:04	1.19	0.965	0.99	80.00	80.00	0.485	0.485	1.00
31	6:05	1.01	0.976	1.00	80.00	80.00	0.308	0.308	1.00
32	6:10	1.01	0.989	1.00	80.00	80.00	0.344	0.344	1.00
33	6:16	1.01	1.005	1.00	80.00	80.00	1.086	1.086	1.00
34	6:20	1.01	1.016	1.00	80.00	80.00	0.656	0.656	1.00
35	6:24	1.01	1.027	1.00	80.00	80.00	0.185	0.185	1.00
36	6:57	1.01	1.115	1.00	80.00	80.00	0.337	0.337	1.00
37	7:10	1.01	1.150	0.99	80.00	80.00	0.533	0.533	1.00
38	7:23	1.01	0.841	1.00	80.00	80.00	0.310	0.310	1.00
39	7:34	1.01	0.861	1.00	80.00	80.00	0.431	0.431	1.00
40	7:37	1.01	0.867	1.00	80.00	80.00	0.350	0.350	1.00
41	7:53	1.01	0.898	1.00	80.00	80.00	1.183	1.183	1.00
42	8:04	1.00	0.918	1.00	80.00	80.00	0.426	0.426	1.00
43	8:23	1.00	0.954	1.00	80.00	80.00	1.093	1.093	1.00
44	8:33	1.00	0.973	1.00	80.00	80.00	1.625	1.625	1.00
45	8:28	1.00	0.964	1.00	80.00	80.00	0.329	0.329	1.00
46	8:45	1.00	0.996	1.00	80.00	80.00	0.348	0.348	1.00
47	8:51	1.00	1.008	1.00	80.00	80.00	0.841	0.841	1.00
48	8:55	1.00	1.015	1.00	80.00	80.00	0.158	0.158	1.00
49	9:03	1.00	1.030	1.00	80.00	80.00	0.144	0.144	1.00
50	9:08	1.00	1.040	1.00	80.00	80.00	1.466	1.466	1.00

"COPY"
ORIGINAL IS FILED
IN CSF BMQ26
7/7/94
Lmo

Quantitation Report File: 16384W

Data: 16384W.TI
06/29/94 17:52:00
Sample: SSTD080
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

"COPY" ORIGINAL IS FILED IN CSF BM026 7/7/94 dms

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	551	9:11	3	1.042	A BB	34576.	80.000 NG	1.25
52	149	578	9:38	3	1.093	A BB	82700.	80.000 NG	1.25
53	204	587	9:47	3	1.110	A BB	52952.	80.000 NG	1.25
54	166	585	9:45	3	1.106	A BB	93794.	80.000 NG	1.25
55	138	527	8:47	3	0.996	A BB	28472.	80.000 NG	1.25
56	198	594	9:54	4	0.863	A BB	14596.	80.000 NG	1.25
57	169	601	10:01	4	0.874	A BB	64578.	80.000 NG	1.25
58	248	640	10:40	4	0.930	A BB	24358.	80.000 NG	1.25
59	284	645	10:45	4	0.937	A BB	24434.	80.000 NG	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	667	11:07	4	0.969	A BB	14178.	80.000 NG	1.25
61	178	691	11:31	4	1.004	A BV	111938.	80.000 NG	1.25
62	178	697	11:37	4	1.013	A VB	117330.	80.000 NG	1.25
63	167	717	11:57	4	1.042	A BB	109412.	80.000 NG	1.25
64	149	763	12:43	4	1.109	A BB	134348.	80.000 NG	1.25
65	202	828	13:48	4	1.203	A BB	103164.	80.000 NG	1.25
66	202	854	14:14	5	0.857	A BB	105365.	80.000 NG	1.25
67	149	940	15:40	5	0.943	A BB	57204.	80.000 NG	1.25
68	252	997	16:37	5	1.000	A BB	26984.	80.000 NG	1.25
69	228	996	16:36	5	0.999	A BV	81398.	80.000 NG	1.25
70	228	1001	16:41	5	1.004	A VV	68384.	80.000 NG	1.25
71	149	1011	16:51	5	1.014	A BB	68066.	80.000 NG	1.25
72	149	1086	18:06	6	0.942	A BB	113654.	80.000 NG	1.25
73	252	1115	18:35	6	0.967	M XX	68389.	80.000 NG	1.25
74	252	1119	18:39	6	0.971	M XX	61973.	80.000 NG	1.25
75	252	1148	19:08	6	0.996	A BB	52463.	80.000 NG	1.25
76	276	1255	20:55	6	1.088	A BB	50691.	80.000 NG	1.25
77	278	1257	20:57	6	1.090	A BV	41216.	80.000 NG	1.25
78	276	1281	21:21	6	1.111	A BB	40648.	80.000 NG	1.25
79	NOT	FOUND							
80	93	277	4:37	1	0.936	A BV	103220.	80.000 NG	1.25
81	184	688	11:28	5	0.690	A BB	7492.	80.000 NG	1.25
82	108	307	5:07	1	1.037	A BV	39790.	80.000 NG	1.25
83	122	372	6:12	2	0.982	A VB	32490.	80.000 NG	1.25
84	77	587	9:47	3	1.110	A BV	28968.	80.000 NG	1.25

"COPY" ORIGINAL IS FILED IN CSF BM0216 7/7/94 dms

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:09	1.00	1.042	1.00	80.00	80.00	0.423	0.423	1.00
52	9:37	1.00	1.095	1.00	80.00	80.00	1.011	1.011	1.00
53	9:46	1.00	1.112	1.00	80.00	80.00	0.648	0.648	1.00
54	9:44	1.00	1.108	1.00	80.00	80.00	1.147	1.147	1.00
55	8:45	1.00	0.996	1.00	80.00	80.00	0.348	0.348	1.00
56	9:52	1.00	0.862	1.00	80.00	80.00	0.151	0.151	1.00
57	9:59	1.00	0.872	1.00	80.00	80.00	0.667	0.667	1.00
58	10:39	1.00	0.930	1.00	80.00	80.00	0.251	0.251	1.00
59	10:44	1.00	0.937	1.00	80.00	80.00	0.252	0.252	1.00
60	11:06	1.00	0.969	1.00	80.00	80.00	0.146	0.146	1.00
61	11:30	1.00	1.004	1.00	80.00	80.00	1.155	1.155	1.00
62	11:36	1.00	1.013	1.00	80.00	80.00	1.211	1.211	1.00
63	11:56	1.00	1.042	1.00	80.00	80.00	1.129	1.129	1.00
64	12:43	1.00	1.111	1.00	80.00	80.00	1.387	1.387	1.00
65	13:47	1.00	1.204	1.00	80.00	80.00	1.065	1.065	1.00
66	14:13	1.00	0.856	1.00	80.00	80.00	1.427	1.427	1.00
67	15:39	1.00	0.942	1.00	80.00	80.00	0.775	0.775	1.00
68	16:37	1.00	1.000	1.00	80.00	80.00	0.365	0.365	1.00
69	16:36	1.00	0.999	1.00	80.00	80.00	1.103	1.103	1.00
70	16:40	1.00	1.003	1.00	80.00	80.00	0.926	0.926	1.00
71	16:51	1.00	1.014	1.00	80.00	80.00	0.922	0.922	1.00
72	18:05	1.00	0.940	1.00	80.00	80.00	2.265	2.265	1.00
73	18:35	1.00	0.966	1.00	80.00	80.00	1.363	1.363	1.00
74	18:38	1.00	0.969	1.00	80.00	80.00	1.235	1.235	1.00
75	19:08	1.00	0.995	1.00	80.00	80.00	1.046	1.046	1.00
76	20:54	1.00	1.087	1.00	80.00	80.00	1.010	1.010	1.00
77	20:57	1.00	1.089	1.00	80.00	80.00	0.821	0.821	1.00
78	21:20	1.00	1.109	1.00	80.00	80.00	0.810	0.810	1.00
79	1:06		0.232						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:32	1.02	0.935	1.00	80.00	80.00	2.370	2.370	1.00
81	11:27	1.00	0.689	1.00	80.00	80.00	0.101	0.101	1.00
82	5:02	1.02	1.038	1.00	80.00	80.00	0.914	0.914	1.00
83	6:04	1.02	0.973	1.01	80.00	80.00	0.221	0.221	1.00
84	9:46	1.00	1.112	1.00	80.00	80.00	0.354	0.354	1.00

7/7/94 dmo
"COPY" ORIGINAL IS FILED IN CSF BM026

Quantitation Report File: 16385W

Data: 16385W.TI
06/29/94 18:25:00
Sample: SSTD120
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

"COPY" ORIGINAL IS FILED IN CSF BMQ26 7/7/94 dms

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	296	4:56	1	1.000	A BB	21936.	40.000 NG	0.42
2	136	380	6:20	2	1.000	A BB	75138.	40.000 NG	0.42
3	164	529	8:49	3	1.000	A BB	41628.	40.000 NG	0.42
4	188	688	11:28	4	1.000	A BV	45018.	40.000 NG	0.42
5	240	998	16:38	5	1.000	A BV	37580.	40.000 NG	0.42
6	264	1154	19:14	6	1.000	A BB	22370.	40.000 NG	0.42
7	152	306	5:06	1	1.034	A BB	49770.	120.000 NG	1.27
8	82	333	5:33	2	0.876	A BB	113524.	120.000 NG	1.27
9	172	466	7:46	3	0.881	A BB	122208.	120.000 NG	1.27
10	244	877	14:37	5	0.879	A BB	86521.	120.000 NG	1.27
11	99	279	4:39	1	0.943	A BV	117500.	120.000 NG	1.27
12	112	208	3:28	1	0.703	A BB	96302.	120.000 NG	1.27
13	132	283	4:43	1	0.956	A BB	100378.	120.000 NG	1.27
14	330	612	10:12	3	1.157	A BB	14202.	120.000 NG	1.27
15	94	280	4:40	1	0.946	A BV	156556.	120.000 NG	1.27
16	93	283	4:43	1	0.956	A VB	107092.	120.000 NG	1.27
17	128	284	4:44	1	0.959	A BB	101258.	120.000 NG	1.27
18	146	293	4:53	1	0.990	A BV	102568.	120.000 NG	1.27
19	146	297	4:57	1	1.003	A VB	95348.	120.000 NG	1.27
20	146	307	5:07	1	1.037	A BB	110960.	120.000 NG	1.27
21	108	315	5:15	1	1.064	A VV	91596.	120.000 NG	1.27
22	45	315	5:15	1	1.064	A BB	156532.	120.000 NG	1.27
23	108	325	5:25	1	1.098	A BB	89310.	120.000 NG	1.27
24	70	327	5:27	1	1.105	A BV	82292.	120.000 NG	1.27
25	117	327	5:27	1	1.105	A BB	45014.	120.000 NG	1.27
26	77	334	5:34	2	0.879	A BB	103116.	120.000 NG	1.27
27	82	352	5:52	2	0.926	M XX	198184.	120.000 NG	1.27
28	139	354	5:54	2	0.932	A BB	54432.	120.000 NG	1.27
29	107	359	5:59	2	0.945	A BV	87923.	120.000 NG	1.27
30	93	364	6:04	2	0.958	A VV	117628.	120.000 NG	1.27
31	162	371	6:11	2	0.976	A BB	68416.	120.000 NG	1.27
32	180	375	6:15	2	0.987	A BB	77304.	120.000 NG	1.27
33	128	381	6:21	2	1.003	A BB	204850.	120.000 NG	1.27
34	127	385	6:25	2	1.013	A VB	93856.	120.000 NG	1.27
35	225	389	6:29	2	1.024	A BB	34148.	120.000 NG	1.27
36	107	422	7:02	2	1.111	A BV	71422.	120.000 NG	1.27
37	142	434	7:14	2	1.142	A VB	123444.	120.000 NG	1.27
38	237	446	7:26	3	0.843	A BB	32248.	120.000 NG	1.27
39	196	458	7:38	3	0.866	M XX	44696.	120.000 NG	1.27
40	196	461	7:41	3	0.871	M XX	47238.	120.000 NG	1.27
41	162	476	7:56	3	0.900	A BB	115354.	120.000 NG	1.27
42	65	487	8:07	3	0.921	A BB	52274.	120.000 NG	1.27
43	163	506	8:26	3	0.957	A BB	122164.	120.000 NG	1.27
44	152	515	8:35	3	0.974	A BB	170298.	120.000 NG	1.27
45	165	511	8:31	3	0.966	A BB	35498.	120.000 NG	1.27
46	138	528	8:48	3	0.998	A BB	41944.	120.000 NG	1.27
47	153	533	8:53	3	1.008	A BB	100454.	120.000 NG	1.27
48	184	538	8:58	3	1.017	A BB	19814.	120.000 NG	1.27
49	109	547	9:07	3	1.034	A BB	19020.	120.000 NG	1.27
50	168	550	9:10	3	1.040	A BB	162094.	120.000 NG	1.27

7/7/94 dms

COPY
ORIGINAL IS FILED
IN CSF BM026

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:51	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:14	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:00	1.02	1.031	1.00	120.00	120.00	0.756	0.756	1.00
8	5:26	1.02	0.872	1.01	120.00	120.00	0.504	0.504	1.00
9	7:42	1.01	0.877	1.00	120.00	120.00	0.979	0.979	1.00
10	14:37	1.00	0.880	1.00	120.00	120.00	0.767	0.767	1.00
11	4:33	1.02	0.938	1.00	120.00	120.00	1.785	1.785	1.00
12	3:26	1.01	0.708	0.99	120.00	120.00	1.463	1.463	1.00
13	4:38	1.02	0.955	1.00	120.00	120.00	1.525	1.525	1.00
14	10:10	1.00	1.157	1.00	120.00	120.00	0.114	0.114	1.00
15	4:34	1.02	0.942	1.00	120.00	120.00	2.379	2.379	1.00
16	4:38	1.02	0.955	1.00	120.00	120.00	1.627	1.627	1.00
17	4:39	1.02	0.959	1.00	120.00	120.00	1.539	1.539	1.00
18	4:47	1.02	0.986	1.00	120.00	120.00	1.559	1.559	1.00
19	4:52	1.02	1.003	1.00	120.00	120.00	1.449	1.449	1.00
20	5:01	1.02	1.034	1.00	120.00	120.00	1.686	1.686	1.00
21	5:09	1.02	1.062	1.00	120.00	120.00	1.392	1.392	1.00
22	5:10	1.02	1.065	1.00	120.00	120.00	2.379	2.379	1.00
23	5:19	1.02	1.096	1.00	120.00	120.00	1.357	1.357	1.00
24	5:19	1.03	1.096	1.01	120.00	120.00	1.250	1.250	1.00
25	5:22	1.02	1.107	1.00	120.00	120.00	0.684	0.684	1.00
26	5:28	1.02	0.877	1.00	120.00	120.00	0.457	0.457	1.00
27	5:44	1.02	0.920	1.01	120.00	120.00	0.879	0.879	1.00
28	5:48	1.02	0.930	1.00	120.00	120.00	0.241	0.241	1.00
29	5:52	1.02	0.941	1.00	120.00	120.00	0.390	0.390	1.00
30	5:04	1.20	0.965	0.99	120.00	120.00	0.522	0.522	1.00
31	6:05	1.02	0.976	1.00	120.00	120.00	0.304	0.304	1.00
32	6:10	1.01	0.989	1.00	120.00	120.00	0.343	0.343	1.00
33	6:16	1.01	1.005	1.00	120.00	120.00	0.909	0.909	1.00
34	6:20	1.01	1.016	1.00	120.00	120.00	0.416	0.416	1.00
35	6:24	1.01	1.027	1.00	120.00	120.00	0.151	0.151	1.00
36	6:57	1.01	1.115	1.00	120.00	120.00	0.317	0.317	1.00
37	7:10	1.01	1.150	0.99	120.00	120.00	0.548	0.548	1.00
38	7:23	1.01	0.841	1.00	120.00	120.00	0.258	0.258	1.00
39	7:34	1.01	0.861	1.00	120.00	120.00	0.358	0.358	1.00
40	7:37	1.01	0.867	1.00	120.00	120.00	0.378	0.378	1.00
41	7:53	1.01	0.898	1.00	120.00	120.00	0.924	0.924	1.00
42	8:04	1.01	0.918	1.00	120.00	120.00	0.419	0.419	1.00
43	8:23	1.01	0.954	1.00	120.00	120.00	0.978	0.978	1.00
44	8:33	1.00	0.973	1.00	120.00	120.00	1.364	1.364	1.00
45	8:28	1.01	0.964	1.00	120.00	120.00	0.284	0.284	1.00
46	8:45	1.01	0.996	1.00	120.00	120.00	0.336	0.336	1.00
47	8:51	1.00	1.008	1.00	120.00	120.00	0.804	0.804	1.00
48	8:55	1.01	1.015	1.00	120.00	120.00	0.159	0.159	1.00
49	9:03	1.01	1.030	1.00	120.00	120.00	0.152	0.152	1.00
50	9:08	1.00	1.040	1.00	120.00	120.00	1.298	1.298	1.00

"COPY" ORIGINAL IS FILED IN CSF BM0216 7/7/94 dma

Quantitation Report File: 16385W

Data: 16385W.TI
06/29/94 18:25:00
Sample: SSTD120
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

7/7/94 dms

"COPY" ORIGINAL IS FILED IN CSF BMQ26

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	552	9:12	3	1.043	A BB	46056.	120.000 NG	1.27
52	149	579	9:39	3	1.095	A BV	110786.	120.000 NG	1.27
53	204	587	9:47	3	1.110	A BB	64860.	120.000 NG	1.27
54	166	586	9:46	3	1.108	A BB	115394.	120.000 NG	1.27
55	138	528	8:48	3	0.998	A BB	41944.	120.000 NG	1.27
56	198	596	9:56	4	0.866	A BB	25128.	120.000 NG	1.27
57	169	602	10:02	4	0.875	A BB	87314.	120.000 NG	1.27
58	248	640	10:40	4	0.930	A BB	31392.	120.000 NG	1.27
59	284	645	10:45	4	0.937	A BB	32708.	120.000 NG	1.27

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
60	266	667	11:07	4	0.969	A BB	18852.	120.000	NG	1.27
61	178	691	11:31	4	1.004	A BV	148938.	120.000	NG	1.27
62	178	697	11:37	4	1.013	A VB	140817.	120.000	NG	1.27
63	167	717	11:57	4	1.042	A BV	131358.	120.000	NG	1.27
64	149	764	12:44	4	1.110	A BB	188634.	120.000	NG	1.27
65	202	828	13:48	4	1.203	A BB	125171.	120.000	NG	1.27
66	202	854	14:14	5	0.856	A BB	125081.	120.000	NG	1.27
67	149	940	15:40	5	0.942	A BB	74016.	120.000	NG	1.27
68	252	998	16:38	5	1.000	A BB	38474.	120.000	NG	1.27
69	228	997	16:37	5	0.999	A BV	112526.	120.000	NG	1.27
70	228	1002	16:42	5	1.004	A VV	90653.	120.000	NG	1.27
71	149	1012	16:52	5	1.014	A BB	113516.	120.000	NG	1.27
72	149	1086	18:06	6	0.941	A BV	144966.	120.000	NG	1.27
73	252	1116	18:36	6	0.967	M XX	81344.	120.000	NG	1.27
74	252	1119	18:39	6	0.970	M XX	89383.	120.000	NG	1.27
75	252	1149	19:09	6	0.996	A BB	68480.	120.000	NG	1.27
76	276	1255	20:55	6	1.088	A BV	64586.	120.000	NG	1.27
77	278	1258	20:58	6	1.090	A BV	48428.	120.000	NG	1.27
78	276	1282	21:22	6	1.111	A BB	53337.	120.000	NG	1.27
79	NOT	FOUND								
80	93	279	4:39	1	0.943	A BV	161628.	120.000	NG	1.27
81	184	688	11:28	5	0.689	A BB	7398.	120.000	NG	1.27
82	108	309	5:09	1	1.044	A BV	60149.	120.000	NG	1.27
83	122	374	6:14	2	0.984	M XX	50744.	120.000	NG	1.27
84	77	587	9:47	3	1.110	A BB	39353.	120.000	NG	1.27

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:09	1.01	1.042	1.00	120.00	120.00	0.369	0.369	1.00
52	9:37	1.00	1.095	1.00	120.00	120.00	0.887	0.887	1.00
53	9:46	1.00	1.112	1.00	120.00	120.00	0.519	0.519	1.00
54	9:44	1.00	1.108	1.00	120.00	120.00	0.924	0.924	1.00
55	8:45	1.01	0.996	1.00	120.00	120.00	0.336	0.336	1.00
56	9:52	1.01	0.862	1.01	120.00	120.00	0.186	0.186	1.00
57	9:59	1.01	0.872	1.00	120.00	120.00	0.647	0.647	1.00
58	10:39	1.00	0.930	1.00	120.00	120.00	0.232	0.232	1.00
59	10:44	1.00	0.937	1.00	120.00	120.00	0.242	0.242	1.00
60	11:06	1.00	0.969	1.00	120.00	120.00	0.140	0.140	1.00
61	11:30	1.00	1.004	1.00	120.00	120.00	1.103	1.103	1.00
62	11:36	1.00	1.013	1.00	120.00	120.00	1.043	1.043	1.00
63	11:56	1.00	1.042	1.00	120.00	120.00	0.973	0.973	1.00
64	12:43	1.00	1.111	1.00	120.00	120.00	1.397	1.397	1.00
65	13:47	1.00	1.204	1.00	120.00	120.00	0.927	0.927	1.00
66	14:13	1.00	0.856	1.00	120.00	120.00	1.109	1.109	1.00
67	15:39	1.00	0.942	1.00	120.00	120.00	0.657	0.657	1.00
68	16:37	1.00	1.000	1.00	120.00	120.00	0.341	0.341	1.00
69	16:36	1.00	0.999	1.00	120.00	120.00	0.998	0.998	1.00
70	16:40	1.00	1.003	1.00	120.00	120.00	0.804	0.804	1.00
71	16:51	1.00	1.014	1.00	120.00	120.00	1.007	1.007	1.00
72	18:05	1.00	0.940	1.00	120.00	120.00	2.160	2.160	1.00
73	18:35	1.00	0.966	1.00	120.00	120.00	1.212	1.212	1.00
74	18:38	1.00	0.969	1.00	120.00	120.00	1.332	1.332	1.00
75	19:08	1.00	0.995	1.00	120.00	120.00	1.020	1.020	1.00
76	20:54	1.00	1.087	1.00	120.00	120.00	0.962	0.962	1.00
77	20:57	1.00	1.089	1.00	120.00	120.00	0.722	0.722	1.00
78	21:20	1.00	1.109	1.00	120.00	120.00	0.795	0.795	1.00
79	1:06		0.232						

" COPY "
ORIGINAL IS FILED
IN CSF RMQ26
7/7/94 dms

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:32	1.03	0.935	1.01	120.00	120.00	2.456	2.456	1.00
81	11:27	1.00	0.689	1.00	120.00	120.00	0.066	0.066	1.00
82	5:02	1.02	1.038	1.01	120.00	120.00	0.914	0.914	1.00
83	6:04	1.03	0.973	1.01	120.00	120.00	0.225	0.225	1.00
84	9:46	1.00	1.112	1.00	120.00	120.00	0.315	0.315	1.00

"COPY"
ORIGINAL IS FILED
IN CSF BMQ 26
7/7/94 dmo

Quantitation Report File: 16386W

Data: 16386W.TI
06/29/94 18:58:00
Sample: SSTD160
Conds.: AUTOSAMPLR I50W
Formula:
Submitted by:

Instrument: I50W
Analyst: JSG

Weight: 0.000
Acct. No.:

"COPY" ORIGINAL IS FILED IN CSF BMQ26 7/7/94 dms

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	296	4:56	1	1.000	A BB	25798.	40.000 NG	0.32
2	136	380	6:20	2	1.000	A BB	91706.	40.000 NG	0.32
3	164	529	8:49	3	1.000	A BB	50296.	40.000 NG	0.32
4	188	689	11:29	4	1.000	A BV	55218.	40.000 NG	0.32
5	240	998	16:38	5	1.000	A BV	39988.	40.000 NG	0.32
6	264	1154	19:14	6	1.000	A BB	23138.	40.000 NG	0.32
7	152	305	5:05	1	1.030	A BB	70222.	160.000 NG	1.29
8	82	333	5:33	2	0.876	A BB	173962.	160.000 NG	1.29
9	172	466	7:46	3	0.881	A BB	151680.	160.000 NG	1.29
10	244	878	14:38	5	0.880	A BB	109741.	160.000 NG	1.29
11	99	279	4:39	1	0.943	A BV	182482.	160.000 NG	1.29
12	112	208	3:28	1	0.703	A BB	155700.	160.000 NG	1.29
13	132	283	4:43	1	0.956	A BB	149254.	160.000 NG	1.29
14	330	613	10:13	3	1.159	A BB	20630.	160.000 NG	1.29
15	94	280	4:40	1	0.946	M XX	182676.	160.000 NG	1.29
16	93	283	4:43	1	0.956	M XX	196648.	160.000 NG	1.29
17	128	284	4:44	1	0.959	A BB	151228.	160.000 NG	1.29
18	146	292	4:52	1	0.986	A BV	134863.	160.000 NG	1.29
19	146	297	4:57	1	1.003	A VV	130720.	160.000 NG	1.29
20	146	307	5:07	1	1.037	A VV	137938.	160.000 NG	1.29
21	108	315	5:15	1	1.064	A BV	226984.	160.000 NG	1.29
22	45	315	5:15	1	1.064	A BV	228254.	160.000 NG	1.29
23	108	326	5:26	1	1.101	A BB	132154.	160.000 NG	1.29
24	70	328	5:28	1	1.108	A BV	125842.	160.000 NG	1.29
25	117	327	5:27	1	1.105	A BB	57576.	160.000 NG	1.29
26	77	334	5:34	2	0.879	A VB	159694.	160.000 NG	1.29
27	82	354	5:54	2	0.932	M XX	313498.	160.000 NG	1.29
28	139	354	5:54	2	0.932	A BB	80440.	160.000 NG	1.29
29	107	359	5:59	2	0.945	A BV	132681.	160.000 NG	1.29
30	93	364	6:04	2	0.958	A VV	177358.	160.000 NG	1.29
31	162	372	6:12	2	0.979	A BB	109190.	160.000 NG	1.29
32	180	376	6:16	2	0.989	A BB	112436.	160.000 NG	1.29
33	128	382	6:22	2	1.005	A BV	317358.	160.000 NG	1.29
34	127	386	6:26	2	1.016	A BB	196162.	160.000 NG	1.29
35	225	389	6:29	2	1.024	A BB	50418.	160.000 NG	1.29
36	107	422	7:02	2	1.111	A BB	97550.	160.000 NG	1.29
37	142	434	7:14	2	1.142	A VV	153186.	160.000 NG	1.29
38	237	447	7:27	3	0.845	A BB	52836.	160.000 NG	1.29
39	196	459	7:39	3	0.868	M XX	72960.	160.000 NG	1.29
40	196	462	7:42	3	0.873	M XX	65806.	160.000 NG	1.29
41	162	477	7:57	3	0.902	A BB	191522.	160.000 NG	1.29
42	65	488	8:08	3	0.922	A BB	75191.	160.000 NG	1.29
43	163	507	8:27	3	0.958	A BB	188010.	160.000 NG	1.29
44	152	516	8:36	3	0.975	A BB	229598.	160.000 NG	1.29
45	165	513	8:33	3	0.970	A VB	57502.	160.000 NG	1.29
46	138	529	8:49	3	1.000	A BV	57028.	160.000 NG	1.29
47	153	534	8:54	3	1.009	A BB	147494.	160.000 NG	1.29
48	184	539	8:59	3	1.019	A BB	27018.	160.000 NG	1.29
49	109	549	9:09	3	1.038	A BB	29397.	160.000 NG	1.29
50	168	551	9:11	3	1.042	A BB	226352.	160.000 NG	1.29

"COPY" ORIGINAL IS FILED IN CSF BM@26 7/7/94 dma

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:51	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:14	1.02	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:00	1.02	1.031	1.00	160.00	160.00	0.680	0.680	1.00
8	5:26	1.02	0.872	1.01	160.00	160.00	0.474	0.474	1.00
9	7:42	1.01	0.877	1.00	160.00	160.00	0.754	0.754	1.00
10	14:37	1.00	0.880	1.00	160.00	160.00	0.686	0.686	1.00
11	4:33	1.02	0.938	1.00	160.00	160.00	1.768	1.768	1.00
12	3:26	1.01	0.708	0.99	160.00	160.00	1.509	1.509	1.00
13	4:38	1.02	0.955	1.00	160.00	160.00	1.446	1.446	1.00
14	10:10	1.00	1.157	1.00	160.00	160.00	0.103	0.103	1.00
15	4:34	1.02	0.942	1.00	160.00	160.00	1.770	1.770	1.00
16	4:38	1.02	0.955	1.00	160.00	160.00	1.906	1.906	1.00
17	4:39	1.02	0.959	1.00	160.00	160.00	1.465	1.465	1.00
18	4:47	1.02	0.986	1.00	160.00	160.00	1.307	1.307	1.00
19	4:52	1.02	1.003	1.00	160.00	160.00	1.267	1.267	1.00
20	5:01	1.02	1.034	1.00	160.00	160.00	1.337	1.337	1.00
21	5:09	1.02	1.062	1.00	160.00	160.00	2.200	2.200	1.00
22	5:10	1.02	1.065	1.00	160.00	160.00	2.212	2.212	1.00
23	5:19	1.02	1.096	1.00	160.00	160.00	1.281	1.281	1.00
24	5:19	1.03	1.096	1.01	160.00	160.00	1.219	1.219	1.00
25	5:22	1.02	1.107	1.00	160.00	160.00	0.558	0.558	1.00
26	5:28	1.02	0.877	1.00	160.00	160.00	0.435	0.435	1.00
27	5:44	1.03	0.920	1.01	160.00	160.00	0.855	0.855	1.00
28	5:48	1.02	0.930	1.00	160.00	160.00	0.219	0.219	1.00
29	5:52	1.02	0.941	1.00	160.00	160.00	0.362	0.362	1.00
30	5:04	1.20	0.965	0.99	160.00	160.00	0.483	0.483	1.00
31	6:05	1.02	0.976	1.00	160.00	160.00	0.298	0.298	1.00
32	6:10	1.02	0.989	1.00	160.00	160.00	0.307	0.307	1.00
33	6:16	1.02	1.005	1.00	160.00	160.00	0.865	0.865	1.00
34	6:20	1.02	1.016	1.00	160.00	160.00	0.535	0.535	1.00
35	6:24	1.01	1.027	1.00	160.00	160.00	0.137	0.137	1.00
36	6:57	1.01	1.115	1.00	160.00	160.00	0.266	0.266	1.00
37	7:10	1.01	1.150	0.99	160.00	160.00	0.418	0.418	1.00
38	7:23	1.01	0.841	1.01	160.00	160.00	0.263	0.263	1.00
39	7:34	1.01	0.861	1.01	160.00	160.00	0.363	0.363	1.00
40	7:37	1.01	0.867	1.01	160.00	160.00	0.327	0.327	1.00
41	7:53	1.01	0.898	1.00	160.00	160.00	0.952	0.952	1.00
42	8:04	1.01	0.918	1.00	160.00	160.00	0.374	0.374	1.00
43	8:23	1.01	0.954	1.00	160.00	160.00	0.935	0.935	1.00
44	8:33	1.01	0.973	1.00	160.00	160.00	1.141	1.141	1.00
45	8:28	1.01	0.964	1.01	160.00	160.00	0.286	0.286	1.00
46	8:45	1.01	0.996	1.00	160.00	160.00	0.283	0.283	1.00
47	8:51	1.01	1.008	1.00	160.00	160.00	0.733	0.733	1.00
48	8:55	1.01	1.015	1.00	160.00	160.00	0.134	0.134	1.00
49	9:03	1.01	1.030	1.01	160.00	160.00	0.146	0.146	1.00
50	9:08	1.01	1.040	1.00	160.00	160.00	1.125	1.125	1.00

7/7/94 gmc
"COPY"
ORIGINAL IS FILED
IN CSF BMD26

Quantitation Report File: 16386W

Data: 16386W.TI
06/29/94 18:58:00
Sample: SSTD160
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

7/7/94 dmo
"COPY" ORIGINAL IS FILED IN CSF BMQ 26

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	553	9:13	3	1.045	A VB	63174.	160.000 NG	1.29
52	149	581	9:41	3	1.098	A BB	184797.	160.000 NG	1.29
53	204	588	9:48	3	1.112	A BB	88402.	160.000 NG	1.29
54	166	587	9:47	3	1.110	A BB	163835.	160.000 NG	1.29
55	138	529	8:49	3	1.000	A BV	57028.	160.000 NG	1.29
56	198	598	9:58	4	0.868	A BB	36370.	160.000 NG	1.29
57	169	603	10:03	4	0.875	A BV	118328.	160.000 NG	1.29
58	248	641	10:41	4	0.930	A BB	44362.	160.000 NG	1.29
59	284	646	10:46	4	0.938	A BB	45738.	160.000 NG	1.29

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
60	266	668	11:08	4	0.970	A BB	27126.	160.000	NG	1.29
61	178	692	11:32	4	1.004	A BV	203487.	160.000	NG	1.29
62	178	698	11:38	4	1.013	A VB	188882.	160.000	NG	1.29
63	167	718	11:58	4	1.042	A BB	187635.	160.000	NG	1.29
64	149	764	12:44	4	1.109	A BB	264994.	160.000	NG	1.29
65	202	829	13:49	4	1.203	A BB	170274.	160.000	NG	1.29
66	202	855	14:15	5	0.857	A BB	170813.	160.000	NG	1.29
67	149	940	15:40	5	0.942	A BB	112780.	160.000	NG	1.29
68	252	999	16:39	5	1.001	A BB	50379.	160.000	NG	1.29
69	228	997	16:37	5	0.999	A BV	148980.	160.000	NG	1.29
70	228	1003	16:43	5	1.005	A VV	128543.	160.000	NG	1.29
71	149	1012	16:52	5	1.014	A BB	137011.	160.000	NG	1.29
72	149	1087	18:07	6	0.942	A BV	226240.	160.000	NG	1.29
73	252	1118	18:38	6	0.969	M XX	116880.	160.000	NG	1.29
74	252	1120	18:40	6	0.971	M XX	107278.	160.000	NG	1.29
75	252	1150	19:10	6	0.997	A BB	96663.	160.000	NG	1.29
76	276	1256	20:56	6	1.088	A BB	89611.	160.000	NG	1.29
77	278	1259	20:59	6	1.091	A BV	66642.	160.000	NG	1.29
78	276	1283	21:23	6	1.112	A BB	73682.	160.000	NG	1.29
79	NOT	FOUND								
80	NOT	FOUND								
81	184	689	11:29	5	0.690	A BB	8848.	160.000	NG	1.29
82	108	309	5:09	1	1.044	A BV	86088.	160.000	NG	1.29
83	122	376	6:16	2	0.989	A BB	72547.	160.000	NG	1.29
84	77	588	9:48	3	1.112	A BB	49452.	160.000	NG	1.29

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:09	1.01	1.042	1.00	160.00	160.00	0.314	0.314	1.00
52	9:37	1.01	1.095	1.00	160.00	160.00	0.919	0.919	1.00
53	9:46	1.00	1.112	1.00	160.00	160.00	0.439	0.439	1.00
54	9:44	1.01	1.108	1.00	160.00	160.00	0.814	0.814	1.00
55	8:45	1.01	0.996	1.00	160.00	160.00	0.283	0.283	1.00
56	9:52	1.01	0.862	1.01	160.00	160.00	0.165	0.165	1.00
57	9:59	1.01	0.872	1.00	160.00	160.00	0.536	0.536	1.00
58	10:39	1.00	0.930	1.00	160.00	160.00	0.201	0.201	1.00
59	10:44	1.00	0.937	1.00	160.00	160.00	0.207	0.207	1.00
60	11:06	1.00	0.969	1.00	160.00	160.00	0.123	0.123	1.00
61	11:30	1.00	1.004	1.00	160.00	160.00	0.921	0.921	1.00
62	11:36	1.00	1.013	1.00	160.00	160.00	0.855	0.855	1.00
63	11:56	1.00	1.042	1.00	160.00	160.00	0.850	0.850	1.00
64	12:43	1.00	1.111	1.00	160.00	160.00	1.200	1.200	1.00
65	13:47	1.00	1.204	1.00	160.00	160.00	0.771	0.771	1.00
66	14:13	1.00	0.856	1.00	160.00	160.00	1.068	1.068	1.00
67	15:39	1.00	0.942	1.00	160.00	160.00	0.705	0.705	1.00
68	16:37	1.00	1.000	1.00	160.00	160.00	0.315	0.315	1.00
69	16:36	1.00	0.999	1.00	160.00	160.00	0.931	0.931	1.00
70	16:40	1.00	1.003	1.00	160.00	160.00	0.804	0.804	1.00
71	16:51	1.00	1.014	1.00	160.00	160.00	0.857	0.857	1.00
72	18:05	1.00	0.940	1.00	160.00	160.00	2.444	2.444	1.00
73	18:35	1.00	0.966	1.00	160.00	160.00	1.263	1.263	1.00
74	18:38	1.00	0.969	1.00	160.00	160.00	1.159	1.159	1.00
75	19:08	1.00	0.995	1.00	160.00	160.00	1.044	1.044	1.00
76	20:54	1.00	1.087	1.00	160.00	160.00	0.968	0.968	1.00
77	20:57	1.00	1.089	1.00	160.00	160.00	0.720	0.720	1.00
78	21:20	1.00	1.109	1.00	160.00	160.00	0.796	0.796	1.00
79	1:06		0.232						

"COPY"
ORIGINAL IS FILED
IN CSF BM026
7/7/94 dmo

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:32		0.935						
81	11:27	1.00	0.689	1.00	160.00	160.00	0.055	0.055	1.00
82	5:02	1.02	1.038	1.01	160.00	160.00	0.834	0.834	1.00
83	6:04	1.03	0.973	1.02	160.00	160.00	0.198	0.198	1.00
84	9:46	1.00	1.112	1.00	160.00	160.00	0.246	0.246	1.00

"COPY"
ORIGINAL IS FILED
IN CSF BMQ216
7/7/94 dms

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Instrument ID: I50W Calibration date: 06/30/94 Time: 0825

Lab File ID: 16403W Init. Calib. Date(s): 06/29/94 06/29/94

Init. Calib. Times: 1614 1858

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	2.097	2.431	0.800	-15.9	25.0
bis(2-Chloroethyl)Ether	1.722	1.408	0.700	18.2	25.0
2-Chlorophenol	1.485	1.400	0.800	5.7	25.0
1,3-Dichlorobenzene	1.523	1.383	0.600	9.2	25.0
1,4-Dichlorobenzene	1.510	1.724	0.500	-14.2	25.0
1,2-Dichlorobenzene	1.525	1.285	0.400	15.7	25.0
2-Methylphenol	1.523	1.245	0.700	18.2	25.0
2,2'-oxybis(1-Chloropropane)	2.288	2.020		11.7	
4-Methylphenol	1.337	1.482	0.600	-10.8	25.0
N-Nitroso-Di-n-Propylamine	1.293	1.165	0.500	9.9	25.0
Hexachloroethane	0.620	0.636	0.300	-2.6	25.0
Nitrobenzene	0.468	0.506	0.200	-8.1	25.0
Isophorone	0.900	0.843	0.400	6.3	25.0
2-Nitrophenol	0.227	0.255	0.100	-12.3	25.0
2,4-Dimethylphenol	0.383	0.361	0.200	5.7	25.0
bis(2-Chloroethoxy)Methane	0.513	0.547	0.300	-6.6	25.0
2,4-Dichlorophenol	0.304	0.327	0.200	-7.6	25.0
1,2,4-Trichlorobenzene	0.337	0.344	0.200	-2.1	25.0
Naphthalene	1.017	0.952	0.700	6.4	25.0
4-Chloroaniline	0.546	0.430		21.2	
Hexachlorobutadiene	0.166	0.143		13.9	
4-Chloro-3-Methylphenol	0.310	0.314	0.200	-1.3	25.0
2-Methylnaphthalene	0.539	0.489	0.400	9.3	25.0
Hexachlorocyclopentadiene	0.285	0.275		3.5	
2,4,6-Trichlorophenol	0.377	0.394	0.200	-4.5	25.0
2,4,5-Trichlorophenol	0.351	0.345	0.200	1.7	25.0
2-Chloronaphthalene	1.053	1.012	0.800	3.9	25.0
2-Nitroaniline	0.422	0.475		-12.6	
Dimethyl Phthalate	1.051	1.029		2.1	
Acenaphthylene	1.462	1.489	1.300	-1.8	25.0
2,6-Dinitrotoluene	0.291	0.285	0.200	2.1	25.0
3-Nitroaniline	0.330	0.365		-10.6	
Acenaphthene	0.883	0.838	0.800	5.1	25.0
2,4-Dinitrophenol	0.149	0.115		22.8	
4-Nitrophenol	0.146	0.131		10.3	
Dibenzofuran	1.360	1.281	0.800	5.8	25.0
2,4-Dinitrotoluene	0.379	0.354	0.200	6.6	25.0

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Instrument ID: I50W Calibration date: 06/30/94 Time: 0825

Lab File ID: 16403W Init. Calib. Date(s): 06/29/94 06/29/94

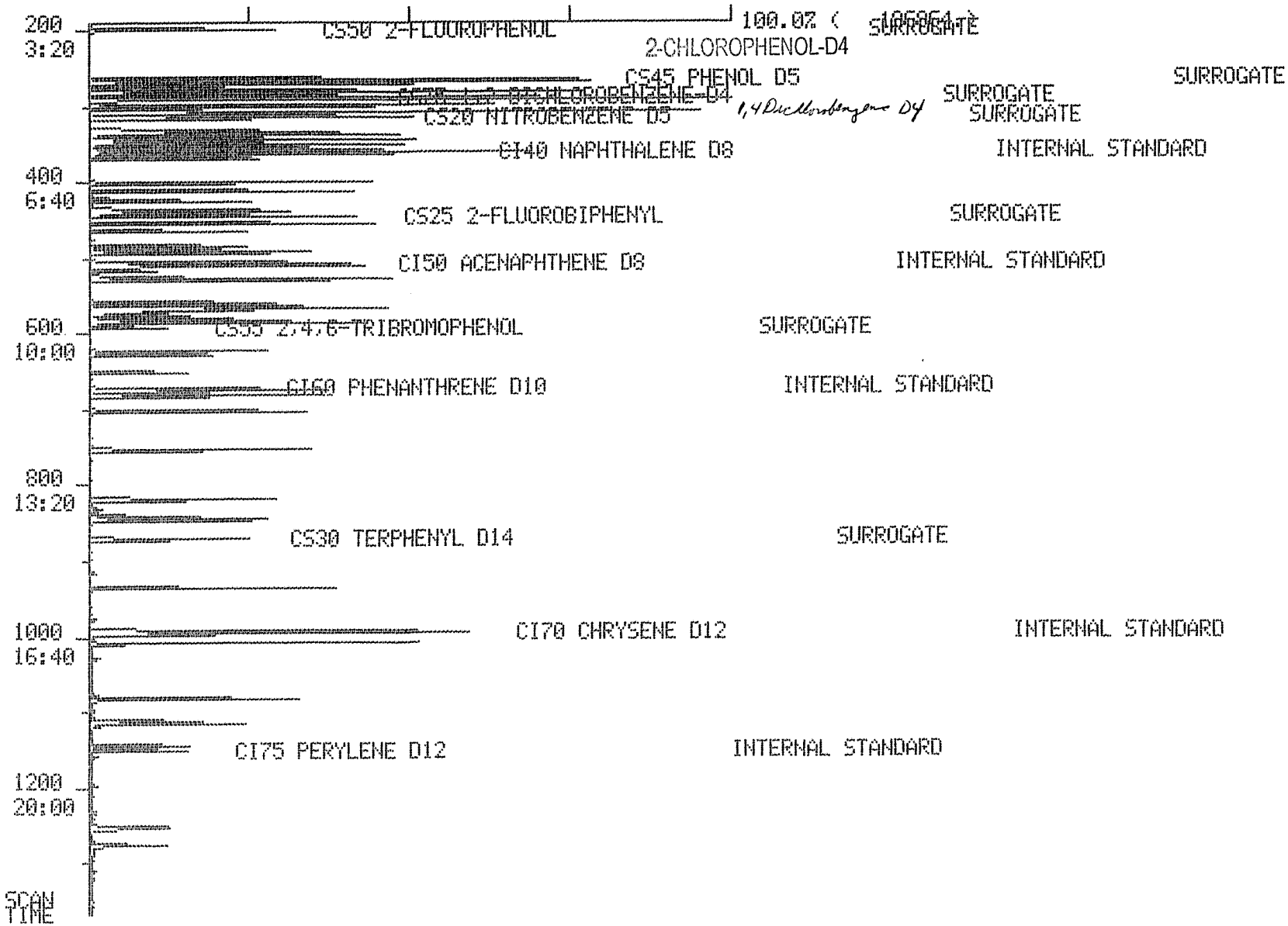
Init. Calib. Times: 1614 1858

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.020	0.969		5.0	
4-Chlorophenyl-phenylether	0.570	0.545	0.400	4.4	25.0
Fluorene	1.025	1.010	0.900	1.5	25.0
4-Nitroaniline	0.330	0.365		-10.6	
4,6-Dinitro-2-Methylphenol	0.160	0.156		2.5	
N-Nitrosodiphenylamine (1)	0.616	0.580		5.8	
4-Bromophenyl-phenylether	0.225	0.201	0.100	10.7	25.0
Hexachlorobenzene	0.237	0.211	0.100	11.0	25.0
Pentachlorophenol	0.134	0.115	0.050	14.2	25.0
Phenanthrene	1.094	1.155	0.700	-5.6	25.0
Anthracene	1.096	1.166	0.700	-6.4	25.0
Carbazole	1.026	1.037		-1.1	
Di-n-Butylphthalate	1.319	1.421		-7.7	
Fluoranthene	0.971	1.082	0.600	-11.4	25.0
Pyrene	1.250	1.383	0.600	-10.6	25.0
Butylbenzylphthalate	0.686	0.965		-40.7	
3,3'-Dichlorobenzidine	0.370	0.404		-9.2	
Benzo(a)Anthracene	1.071	1.151	0.800	-7.5	25.0
Chrysene	0.907	0.910	0.700	-0.3	25.0
Bis(2-Ethylhexyl)Phthalate	0.929	0.985		-6.0	
Di-n-Octyl Phthalate	2.147	2.759		-28.5	
Benzo(b)Fluoranthene	1.254	1.403	0.700	-11.9	25.0
Benzo(k)Fluoranthene	1.262	1.363	0.700	-8.0	25.0
Benzo(a)Pyrene	1.045	1.124	0.700	-7.6	25.0
Indeno(1,2,3-cd)Pyrene	0.985	0.972	0.500	1.3	25.0
Dibenz(a,h)Anthracene	0.761	0.744	0.400	2.2	25.0
Benzo(g,h,i)Perylene	0.799	0.790	0.500	1.1	25.0
Nitrobenzene-d5	0.502	0.475	0.200	5.4	25.0
2-Fluorobiphenyl	0.987	0.973	0.700	1.4	25.0
Terphenyl-d14	0.832	0.876	0.500	-5.3	25.0
Phenol-d5	1.828	1.628	0.800	10.9	25.0
2-Fluorophenol	1.503	1.435	0.600	4.5	25.0
2,4,6-Tribromophenol	0.117	0.099		15.4	
2-Chlorophenol-d4	1.468	1.442	0.800	1.8	25.0
1,2-Dichlorobenzene-d4	0.771	0.768	0.400	0.4	25.0

All other compounds must meet a minimum RRF of 0.010.

DATA FROM FILE: 16403W SCANS 190 TO 1368 ACQUIRED: 06/30/94 8:25:00
CALI: 16403W #3

SAMPLE: SSTD050
CONDS.: AUTOSAMPLR I50W



0148

Quantitation Report File: 16403W

Data: 16403W.TI
06/30/94 8:25:00
Sample: SSTD050
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	280	4:40	1	1.000	A BB	19340.	40.000 NG	0.98
2	136	358	5:58	2	1.000	A BB	63580.	40.000 NG	0.98
3	164	506	8:26	3	1.000	A BB	31620.	40.000 NG	0.98
4	188	670	11:10	4	1.000	A BB	38250.	40.000 NG	0.98
5	240	992	16:32	5	1.000	A BB	29420.	40.000 NG	0.98
6	264	1149	19:09	6	1.000	A BB	17336.	40.000 NG	0.98
7	152	288	4:48	1	1.029	A BB	18572.	50.000 NG	1.22
8	82	313	5:13	2	0.874	A BB	37788.	50.000 NG	1.22
9	172	442	7:22	3	0.874	A BB	38468.	50.000 NG	1.22
10	244	869	14:29	5	0.876	A BB	32218.	50.000 NG	1.22
11	99	263	4:23	1	0.939	A BV	39352.	50.000 NG	1.22
12	112	197	3:17	1	0.704	A BB	34686.	50.000 NG	1.22
13	132	267	4:27	1	0.954	A BB	34858.	50.000 NG	1.22
14	330	590	9:50	3	1.166	A BB	3904.	50.000 NG	1.22
15	94	264	4:24	1	0.943	A BB	58758.	50.000 NG	1.22
16	93	267	4:27	1	0.954	A VB	34030.	50.000 NG	1.22
17	128	268	4:28	1	0.957	A BB	33844.	50.000 NG	1.22
18	146	276	4:36	1	0.986	A BB	33428.	50.000 NG	1.22
19	146	281	4:41	1	1.004	A BB	41672.	50.000 NG	1.22
20	146	289	4:49	1	1.032	A BB	31064.	50.000 NG	1.22
21	108	297	4:57	1	1.061	A VV	30106.	50.000 NG	1.22
22	45	297	4:57	1	1.061	A BB	48822.	50.000 NG	1.22
23	108	306	5:06	1	1.093	A VV	35816.	50.000 NG	1.22
24	70	306	5:06	1	1.093	A BB	28168.	50.000 NG	1.22
25	117	309	5:09	1	1.104	A BB	15372.	50.000 NG	1.22
26	77	314	5:14	2	0.877	A BB	40230.	50.000 NG	1.22
27	82	330	5:30	2	0.922	A BB	66980.	50.000 NG	1.22
28	139	333	5:33	2	0.930	A BB	20300.	50.000 NG	1.22
29	107	337	5:37	2	0.941	A BV	28680.	50.000 NG	1.22
30	93	343	5:43	2	0.958	A BB	43512.	50.000 NG	1.22
31	162	349	5:49	2	0.975	A BB	25978.	50.000 NG	1.22
32	180	354	5:54	2	0.989	A BB	27338.	50.000 NG	1.22
33	128	359	5:59	2	1.003	A BV	75684.	50.000 NG	1.22
34	127	363	6:03	2	1.014	A VB	34160.	50.000 NG	1.22
35	225	367	6:07	2	1.025	A BB	11378.	50.000 NG	1.22
36	107	399	6:39	2	1.115	A BB	24946.	50.000 NG	1.22
37	142	410	6:50	2	1.145	A BB	38844.	50.000 NG	1.22
38	237	423	7:03	3	0.836	A BB	10880.	50.000 NG	1.22
39	196	434	7:14	3	0.858	M XX	15578.	50.000 NG	1.22
40	196	437	7:17	3	0.864	M XX	13652.	50.000 NG	1.22
41	162	452	7:32	3	0.893	A BB	40002.	50.000 NG	1.22
42	65	463	7:43	3	0.915	A BB	18766.	50.000 NG	1.22
43	163	482	8:02	3	0.953	A BB	40664.	50.000 NG	1.22
44	152	491	8:11	3	0.970	A BB	58868.	50.000 NG	1.22
45	165	487	8:07	3	0.962	A BB	11252.	50.000 NG	1.22
46	138	504	8:24	3	0.996	A BB	14412.	50.000 NG	1.22
47	153	509	8:29	3	1.006	A BB	33108.	50.000 NG	1.22
48	184	514	8:34	3	1.016	A BB	4564.	50.000 NG	1.22
49	109	523	8:43	3	1.034	A BB	5196.	50.000 NG	1.22
50	168	527	8:47	3	1.042	A BB	50642.	50.000 NG	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	5:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	8:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	11:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	16:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	19:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4:48	1.00	1.029	1.00	50.00	50.00	0.768	0.768	1.00
8	5:13	1.00	0.874	1.00	50.00	50.00	0.475	0.475	1.00
9	7:22	1.00	0.874	1.00	50.00	50.00	0.973	0.973	1.00
10	14:29	1.00	0.876	1.00	50.00	50.00	0.876	0.876	1.00
11	4:23	1.00	0.939	1.00	50.00	50.00	1.628	1.628	1.00
12	3:17	1.00	0.704	1.00	50.00	50.00	1.435	1.435	1.00
13	4:27	1.00	0.954	1.00	50.00	50.00	1.442	1.442	1.00
14	9:50	1.00	1.166	1.00	50.00	50.00	0.099	0.099	1.00
15	4:24	1.00	0.943	1.00	50.00	50.00	2.431	2.431	1.00
16	4:27	1.00	0.954	1.00	50.00	50.00	1.408	1.408	1.00
17	4:28	1.00	0.957	1.00	50.00	50.00	1.400	1.400	1.00
18	4:36	1.00	0.986	1.00	50.00	50.00	1.383	1.383	1.00
19	4:41	1.00	1.004	1.00	50.00	50.00	1.724	1.724	1.00
20	4:49	1.00	1.032	1.00	50.00	50.00	1.285	1.285	1.00
21	4:57	1.00	1.061	1.00	50.00	50.00	1.245	1.245	1.00
22	4:57	1.00	1.061	1.00	50.00	50.00	2.020	2.020	1.00
23	5:06	1.00	1.093	1.00	50.00	50.00	1.482	1.482	1.00
24	5:06	1.00	1.093	1.00	50.00	50.00	1.165	1.165	1.00
25	5:09	1.00	1.104	1.00	50.00	50.00	0.636	0.636	1.00
26	5:14	1.00	0.877	1.00	50.00	50.00	0.506	0.506	1.00
27	5:30	1.00	0.922	1.00	50.00	50.00	0.843	0.843	1.00
28	5:33	1.00	0.930	1.00	50.00	50.00	0.255	0.255	1.00
29	5:37	1.00	0.941	1.00	50.00	50.00	0.361	0.361	1.00
30	5:43	1.00	0.958	1.00	50.00	50.00	0.547	0.547	1.00
31	5:49	1.00	0.975	1.00	50.00	50.00	0.327	0.327	1.00
32	5:54	1.00	0.989	1.00	50.00	50.00	0.344	0.344	1.00
33	5:59	1.00	1.003	1.00	50.00	50.00	0.952	0.952	1.00
34	6:03	1.00	1.014	1.00	50.00	50.00	0.430	0.430	1.00
35	6:07	1.00	1.025	1.00	50.00	50.00	0.143	0.143	1.00
36	6:39	1.00	1.115	1.00	50.00	50.00	0.314	0.314	1.00
37	6:50	1.00	1.145	1.00	50.00	50.00	0.489	0.489	1.00
38	7:03	1.00	0.836	1.00	50.00	50.00	0.275	0.275	1.00
39	7:14	1.00	0.858	1.00	50.00	50.00	0.394	0.394	1.00
40	7:17	1.00	0.864	1.00	50.00	50.00	0.345	0.345	1.00
41	7:32	1.00	0.893	1.00	50.00	50.00	1.012	1.012	1.00
42	7:43	1.00	0.915	1.00	50.00	50.00	0.475	0.475	1.00
43	8:02	1.00	0.953	1.00	50.00	50.00	1.029	1.029	1.00
44	8:11	1.00	0.970	1.00	50.00	50.00	1.489	1.489	1.00
45	8:07	1.00	0.962	1.00	50.00	50.00	0.285	0.285	1.00
46	8:24	1.00	0.996	1.00	50.00	50.00	0.365	0.365	1.00
47	8:29	1.00	1.006	1.00	50.00	50.00	0.838	0.838	1.00
48	8:34	1.00	1.016	1.00	50.00	50.00	0.115	0.115	1.00
49	8:43	1.00	1.034	1.00	50.00	50.00	0.131	0.131	1.00
50	8:47	1.00	1.042	1.00	50.00	50.00	1.281	1.281	1.00

Quantitation Report File: 16403W

Data: 16403W.TI
06/30/94 8:25:00
Sample: SSTD050
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	528	8:48	3	1.043	A BB	13986.	50.000 NG	1.22
52	149	557	9:17	3	1.101	A BB	38282.	50.000 NG	1.22
53	204	566	9:26	3	1.119	A BB	21556.	50.000 NG	1.22
54	166	564	9:24	3	1.115	A BB	39940.	50.000 NG	1.22
55	138	504	8:24	3	0.996	A BB	14412.	50.000 NG	1.22
56	198	573	9:33	4	0.855	A BB	7462.	50.000 NG	1.22
57	169	580	9:40	4	0.866	A BB	27750.	50.000 NG	1.22
58	248	621	10:21	4	0.927	A BB	9618.	50.000 NG	1.22
59	284	625	10:25	4	0.933	A BB	10082.	50.000 NG	1.22

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	649	10:49	4	0.969	A BB	5520.	50.000 NG	1.22
61	178	674	11:14	4	1.006	A BV	55202.	50.000 NG	1.22
62	178	680	11:20	4	1.015	A VB	55766.	50.000 NG	1.22
63	167	701	11:41	4	1.046	A BB	49590.	50.000 NG	1.22
64	149	752	12:32	4	1.122	A BB	67938.	50.000 NG	1.22
65	202	818	13:38	4	1.221	A BV	51742.	50.000 NG	1.22
66	202	844	14:04	5	0.851	A BB	50869.	50.000 NG	1.22
67	149	934	15:34	5	0.942	A BB	35470.	50.000 NG	1.22
68	252	992	16:32	5	1.000	A BB	14872.	50.000 NG	1.22
69	228	990	16:30	5	0.998	A BV	42330.	50.000 NG	1.22
70	228	995	16:35	5	1.003	A VV	33469.	50.000 NG	1.22
71	149	1007	16:47	5	1.015	A BB	36206.	50.000 NG	1.22
72	149	1081	18:01	6	0.941	A BV	59782.	50.000 NG	1.22
73	252	1110	18:30	6	0.966	M XX	30396.	50.000 NG	1.22
74	252	1114	18:34	6	0.970	M XX	29528.	50.000 NG	1.22
75	252	1143	19:03	6	0.995	A BB	24361.	50.000 NG	1.22
76	276	1249	20:49	6	1.087	A BB	21070.	50.000 NG	1.22
77	278	1252	20:52	6	1.090	A BB	16124.	50.000 NG	1.22
78	276	1275	21:15	6	1.110	A BB	17112.	50.000 NG	1.22
79	NOT	FOUND							
80	93	262	4:22	1	0.936	A BV	52144.	50.000 NG	1.22
81	184	670	11:10	5	0.675	A BB	5878.	50.000 NG	1.22
82	108	290	4:50	1	1.036	A BV	22028.	50.000 NG	1.22
83	122	348	5:48	2	0.972	A VV	14116.	50.000 NG	1.22
84	77	584	9:44	3	1.154	A BV	64272.	50.000 NG	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	8:48	1.00	1.043	1.00	50.00	50.00	0.354	0.354	1.00
52	9:17	1.00	1.101	1.00	50.00	50.00	0.969	0.969	1.00
53	9:26	1.00	1.119	1.00	50.00	50.00	0.545	0.545	1.00
54	9:24	1.00	1.115	1.00	50.00	50.00	1.010	1.010	1.00
55	8:24	1.00	0.996	1.00	50.00	50.00	0.365	0.365	1.00
56	9:33	1.00	0.855	1.00	50.00	50.00	0.156	0.156	1.00
57	9:40	1.00	0.866	1.00	50.00	50.00	0.580	0.580	1.00
58	10:21	1.00	0.927	1.00	50.00	50.00	0.201	0.201	1.00
59	10:25	1.00	0.933	1.00	50.00	50.00	0.211	0.211	1.00
60	10:49	1.00	0.969	1.00	50.00	50.00	0.115	0.115	1.00
61	11:14	1.00	1.006	1.00	50.00	50.00	1.155	1.155	1.00
62	11:20	1.00	1.015	1.00	50.00	50.00	1.166	1.166	1.00
63	11:41	1.00	1.046	1.00	50.00	50.00	1.037	1.037	1.00
64	12:32	1.00	1.122	1.00	50.00	50.00	1.421	1.421	1.00
65	13:38	1.00	1.221	1.00	50.00	50.00	1.082	1.082	1.00
66	14:04	1.00	0.851	1.00	50.00	50.00	1.383	1.383	1.00
67	15:34	1.00	0.942	1.00	50.00	50.00	0.965	0.965	1.00
68	16:32	1.00	1.000	1.00	50.00	50.00	0.404	0.404	1.00
69	16:30	1.00	0.998	1.00	50.00	50.00	1.151	1.151	1.00
70	16:35	1.00	1.003	1.00	50.00	50.00	0.910	0.910	1.00
71	16:47	1.00	1.015	1.00	50.00	50.00	0.985	0.985	1.00
72	18:01	1.00	0.941	1.00	50.00	50.00	2.759	2.759	1.00
73	18:30	1.00	0.966	1.00	50.00	50.00	1.403	1.403	1.00
74	18:34	1.00	0.970	1.00	50.00	50.00	1.363	1.363	1.00
75	19:03	1.00	0.995	1.00	50.00	50.00	1.124	1.124	1.00
76	20:49	1.00	1.087	1.00	50.00	50.00	0.972	0.972	1.00
77	20:52	1.00	1.090	1.00	50.00	50.00	0.744	0.744	1.00
78	21:15	1.00	1.110	1.00	50.00	50.00	0.790	0.790	1.00
79	1:06		0.232						

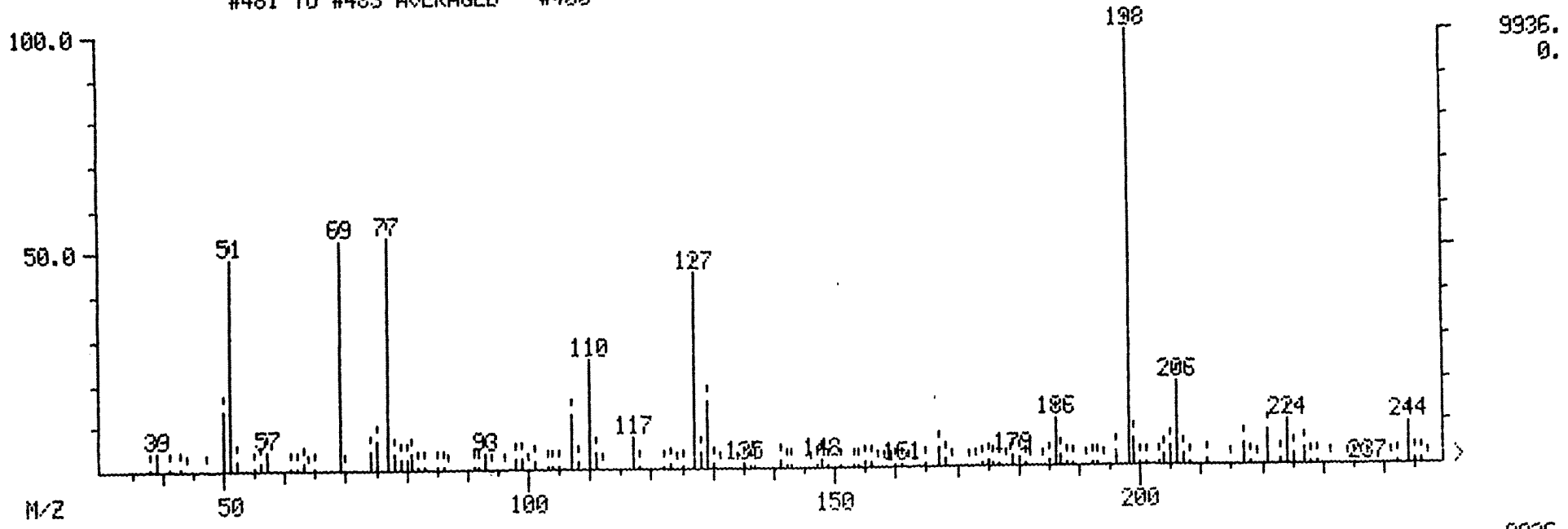
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	4:22	1.00	0.936	1.00	50.00	50.00	2.157	2.157	1.00
81	11:10	1.00	0.675	1.00	50.00	50.00	0.160	0.160	1.00
82	4:50	1.00	1.036	1.00	50.00	50.00	0.911	0.911	1.00
83	5:48	1.00	0.972	1.00	50.00	50.00	0.178	0.178	1.00
84	9:44	1.00	1.154	1.00	50.00	50.00	1.626	1.626	1.00

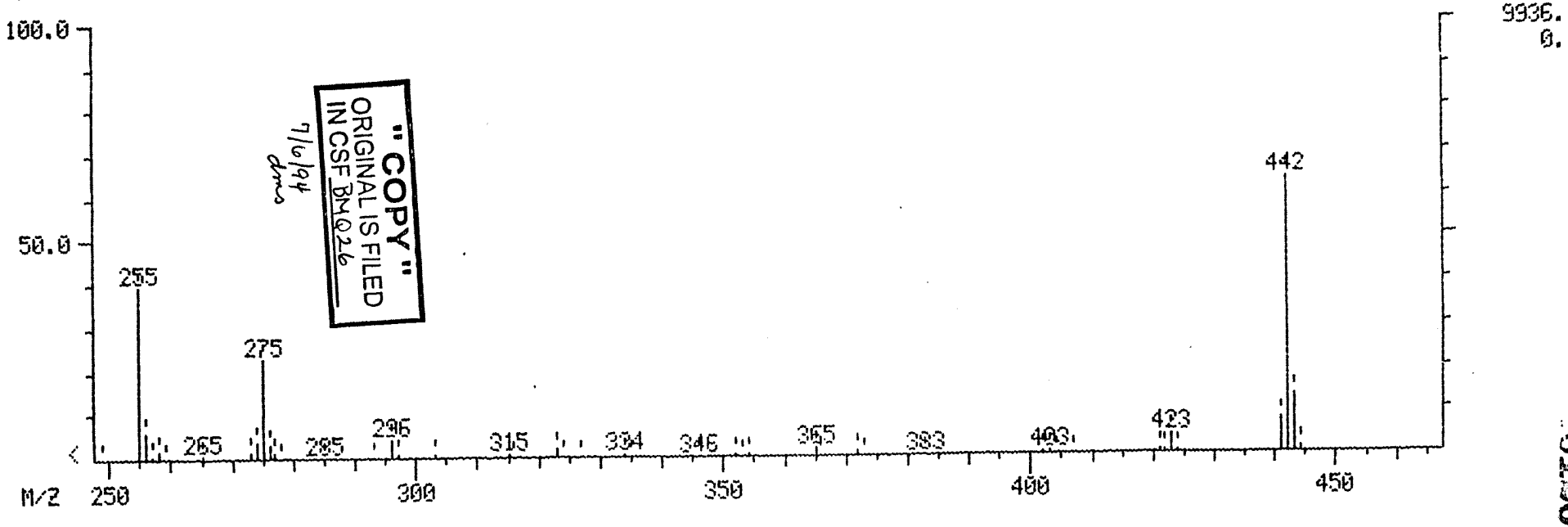
RAW QC DATA

MASS SPECTRUM
06/29/94 16:01:00 + 8:02
SAMPLE: DFTPP50NG
CONDS.: AUTOSAMPLR I50W
TEMP: 242 DEG. C
#481 TO #483 AVERAGED - #400

DATA: 16380W #482
CALI: CALTAB #3

BASE M/Z: 198
RIC: 75392.





"COPY"
ORIGINAL IS FILED
IN CSF BMQ26
7/6/94
dms

9210

Mass List
06/29/94 16:01:00 + 8:02
Sample: DFTPP50NG
Conds.: AUTOSAMPLR I50W
#481 to #483 averaged - #400

Data: 16380W # 482
Cali: CALTAB # 3

Base m/z: 198
RIC: 75392.

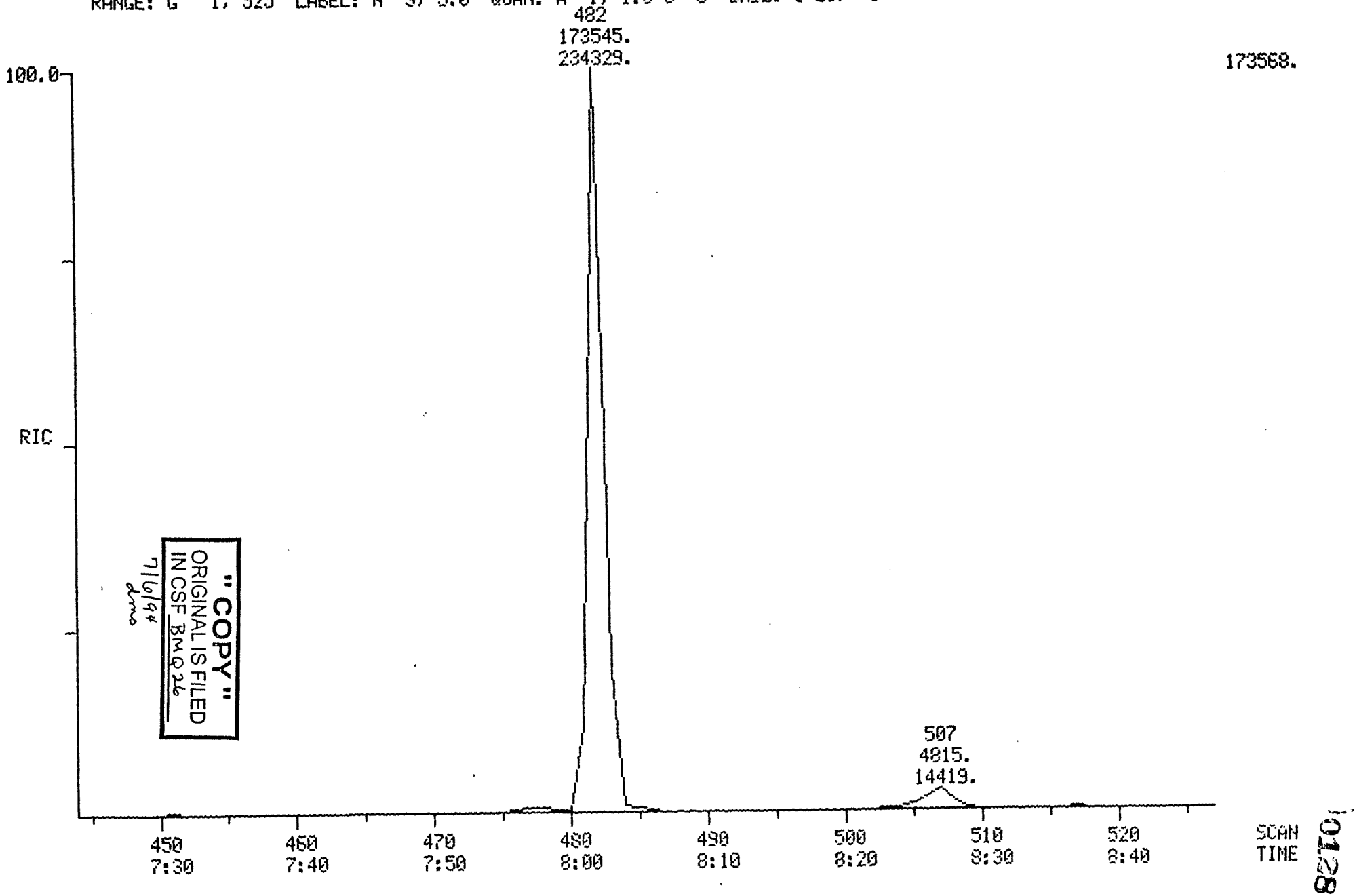
0127

38		0.00	0.	Minima	Min	Inten:	53.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
38	S	0.63	63.	167	S	4.35	432.
39	S	4.36	433.	168	S	1.82	181.
43	S	0.59	59.	174	S	0.63	63.
50	S	13.79	1370.	175	S	1.37	136.
51	S	48.79	4848.	177	S	0.56	56.
52	S	2.23	222.	179	S	2.63	261.
55	S	0.61	61.	180	S	1.90	189.
56	S	1.52	151.	181	S	0.71	71.
57	S	4.06	403.	185	S	1.14	113.
63	S	1.56	155.	186	S	10.87	1080.
65	S	0.86	85.	187	S	2.38	236.
69	S	52.90	5256.	192	S	0.68	68.
74	S	4.38	435.	193	S	0.65	65.
75	S	6.71	667.	196	S	3.04	302.
77	S	53.54	5320.	198	S	100.00	9936.
78	S	3.34	332.	199	S	6.26	622.
79	S	2.48	246.	204	S	2.33	232.
80	S	2.15	214.	205	S	4.18	415.
81	S	3.33	331.	206	S	19.22	1910.
82	S	0.80	79.	207	S	2.16	215.
83	S	0.86	85.	211	S	1.32	131.
85	S	0.55	55.	217	S	4.94	491.
86	S	0.61	61.	221	S	7.92	787.
91	S	0.67	67.	223	S	1.01	100.
92	S	0.63	63.	224	S	10.15	1009.
93	S	3.73	371.	225	S	2.47	245.
98	S	2.65	263.	227	S	3.81	379.
99	S	2.50	248.	229	S	0.65	65.
101	S	1.53	152.	244	S	9.54	948.
104	S	0.55	55.	245	S	0.98	97.
105	S	0.73	73.	246	S	1.18	117.
107	S	12.42	1234.	255	S	39.57	3932.
108	S	1.78	177.	256	S	5.73	569.
110	S	25.40	2524.	258	S	1.70	169.
111	S	3.49	347.	273	S	1.17	116.
117	S	7.00	696.	274	S	3.75	373.
123	S	0.99	98.	275	S	22.67	2252.
127	S	45.01	4472.	276	S	2.79	277.
128	S	3.51	349.	277	S	1.19	118.
129	S	15.86	1576.	296	S	4.16	413.
130	S	1.18	117.	323	S	1.77	176.
135	S	1.16	115.	334	S	0.88	87.
137	S	0.53	53.	365	S	2.00	199.
141	S	1.76	175.	372	S	0.92	91.
142	S	0.56	56.	423	S	4.35	432.
147	S	0.84	83.	424	S	0.77	77.
148	S	1.76	175.	441	S	7.78	773.
155	S	0.92	91.	442	S	63.20	6280.
156	S	1.42	141.	443	S	13.00	1292.
161	S	0.69	69.	444	S	1.33	132.

" COPY "
ORIGINAL IS FILED
IN CSF BM026
7/6/94
dms

RIC
06/29/94 16:01:00
SAMPLE: DFTPP50NG
CONDS.: AUTOSAMPLR I50W
RANGE: G 1, 525 LABEL: N 3, 5.0 QUAN: A -1, 1.0 J 0 BASE: U 20, 3

DATA: 16380W #481 SCANS 444 TO 527
CALI: CALTAB #3

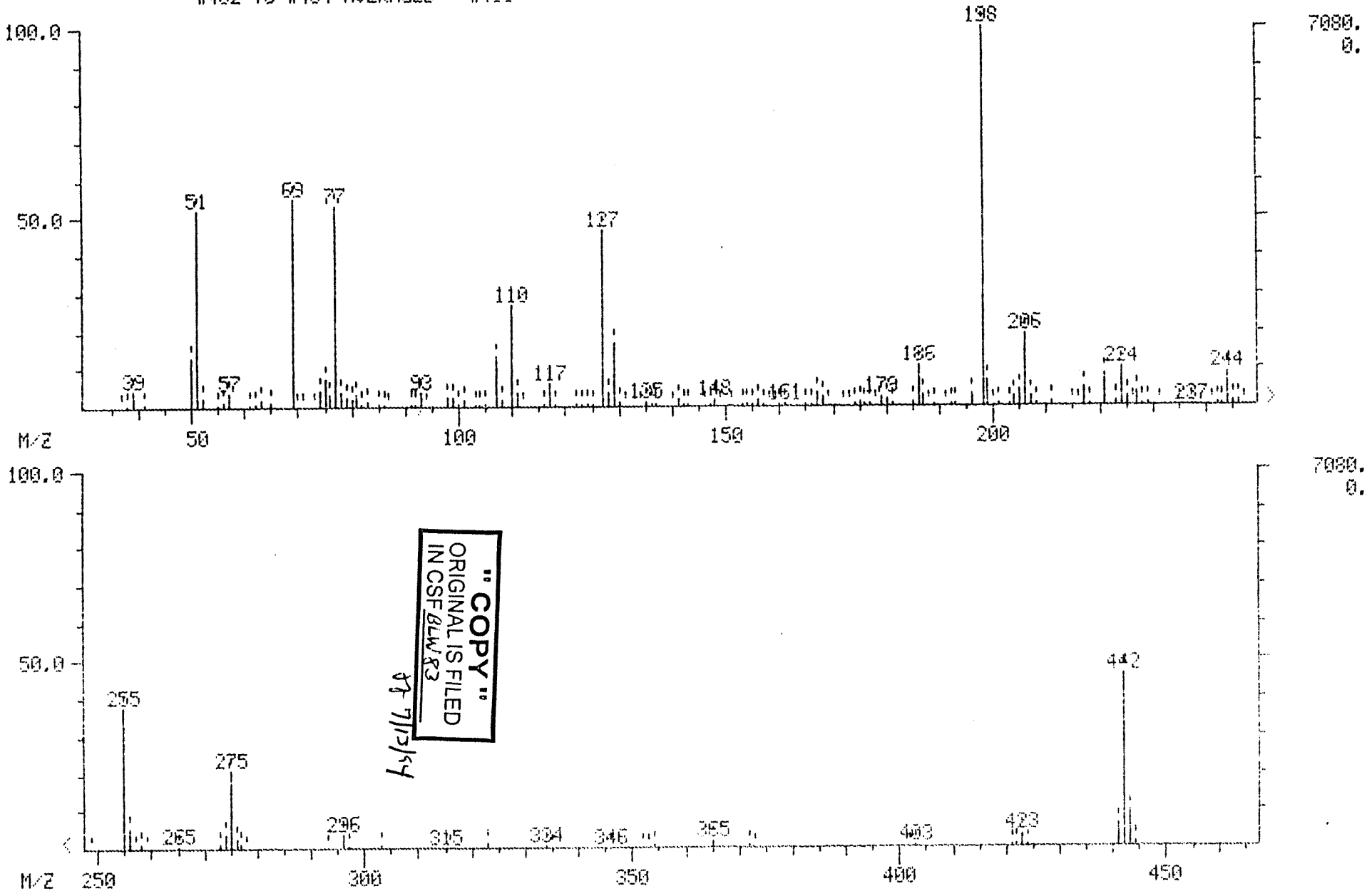


"COPY"
ORIGINAL IS FILED
IN CSF BMQ 26
7/6/94
jms

MASS SPECTRUM
06/30/94 8:12:00 + 7:43
SAMPLE: DFTPP50NG
CONDS.: AUTOSAMPLR I50W
TEMP: 236 DEG. C
#462 TO #464 AVERAGED - #400

DATA: 16402W #463
CALI: CALTAB #3

BASE M/Z: 198
RIC: 52288.



"COPY"
ORIGINAL IS FILED
IN CSF 8/W/83
4/7/94

Mass List
06/30/94 8:12:00 + 7:43
Sample DFTPP50NG
Conds.: AUTOSAMPLR I50W
#462 to #464 averaged - #400

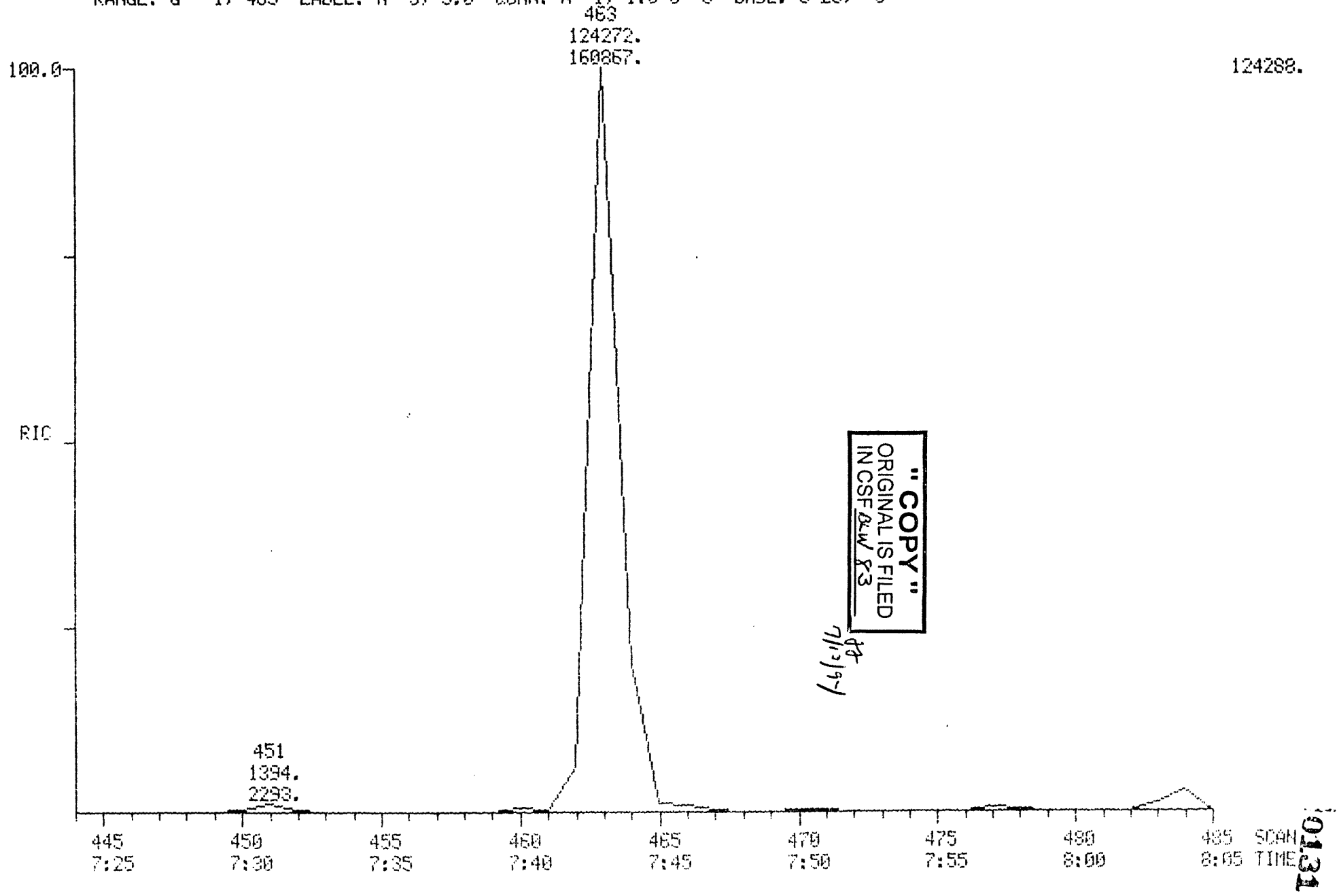
Data: 16402W # 463
Cali: CALTAB # 3

Base m/z: 198
RIC: 52288.

0130

37		0.00	0.	Minima	Min Inten:		35.
444				Maxima	# 0		
Mass		% RA	Inten.	Mass		% RA	Inten.
38	S	0.94	38.	168	S	2.16	153.
39	S	4.34	307.	174	S	0.58	41.
41	S	0.52	37.	175	S	1.17	83.
50	S	13.26	939.	177	S	0.56	40.
51	S	52.03	3684.	179	S	2.53	179.
52	S	2.44	173.	180	S	1.77	125.
55	S	0.66	47.	181	S	0.83	59.
56	S	1.47	104.	185	S	1.03	73.
57	S	3.55	251.	186	S	11.03	781.
63	S	1.74	123.	187	S	3.06	217.
65	S	0.97	69.	192	S	0.72	51.
69	S	55.20	3908.	193	S	0.75	53.
74	S	4.03	285.	196	S	2.73	193.
75	S	7.12	504.	198	S	100.00	7080.
76	S	2.87	203.	199	S	6.40	453.
77	S	53.50	3788.	204	S	2.22	157.
78	S	3.43	243.	205	S	4.11	291.
79	S	3.44	173.	206	S	19.24	1362.
80	S	2.06	146.	207	S	2.30	163.
81	S	3.23	229.	211	S	1.13	80.
82	S	0.86	61.	217	S	4.60	326.
83	S	0.92	65.	221	S	8.22	582.
85	S	0.61	43.	223	S	0.92	65.
86	S	0.54	38.	224	S	9.89	700.
91	S	0.56	40.	225	S	2.27	161.
93	S	3.57	253.	227	S	3.40	241.
98	S	2.53	179.	229	S	0.61	43.
99	S	2.63	186.	244	S	8.87	628.
101	S	1.58	112.	245	S	1.06	75.
104	S	0.69	49.	246	S	1.00	71.
105	S	0.75	53.	255	S	37.57	2660.
107	S	12.88	912.	256	S	5.24	371.
108	S	1.94	137.	258	S	1.38	98.
110	S	26.89	1904.	265	S	0.49	35.
111	S	3.73	264.	273	S	0.97	69.
117	S	6.17	437.	274	S	3.50	248.
123	S	0.78	55.	275	S	20.93	1482.
127	S	46.95	3324.	276	S	2.67	189.
128	S	3.36	238.	277	S	1.02	72.
129	S	16.47	1166.	296	S	3.35	237.
130	S	1.20	85.	323	S	1.40	99.
135	S	1.26	89.	334	S	0.81	57.
141	S	1.61	114.	365	S	1.68	119.
142	S	0.54	38.	372	S	0.75	53.
147	S	0.73	52.	423	S	3.36	238.
148	S	1.72	122.	424	S	0.62	44.
155	S	0.89	63.	441	S	5.76	408.
156	S	1.54	109.	442	S	45.88	3248.
161	S	0.75	53.	443	S	9.77	692.
167	S	3.66	259.	444	S	1.10	78.

" COPY "
ORIGINAL IS FILED
IN CSF BLW 83
7/13/94


RIC
06/30/94 8:12:00
SAMPLE: DFTPP50NG
CONDS.: AUTOSAMPLR I50W
DATA: 16402W #462
CALI: CALTAB #3
SCANS 444 TO 485
RANGE: G 1, 483 LABEL: N 3, 5.0 QUAN: A -1, 1.0 J 0 BASE: U 20, 3
463
124272.
160867.
124288.
100.0
RIC
451
1394.
2293.
445
7:25
450
7:30
455
7:35
460
7:40
465
7:45
470
7:50
475
7:55
480
8:00
485 SCAN
8:05 TIME
"COPY"
ORIGINAL IS FILED
IN CSF &W 83
7/12/94
013

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK37

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	10	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-Octyl Phthalate	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

1F

EPA SAMPLE NO.

SBLK37

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: RH994 SAS No.: _____ SDG No.: 0525

Matrix: (soil/water) WATER Lab Sample ID: AR017109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 16404W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/28/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

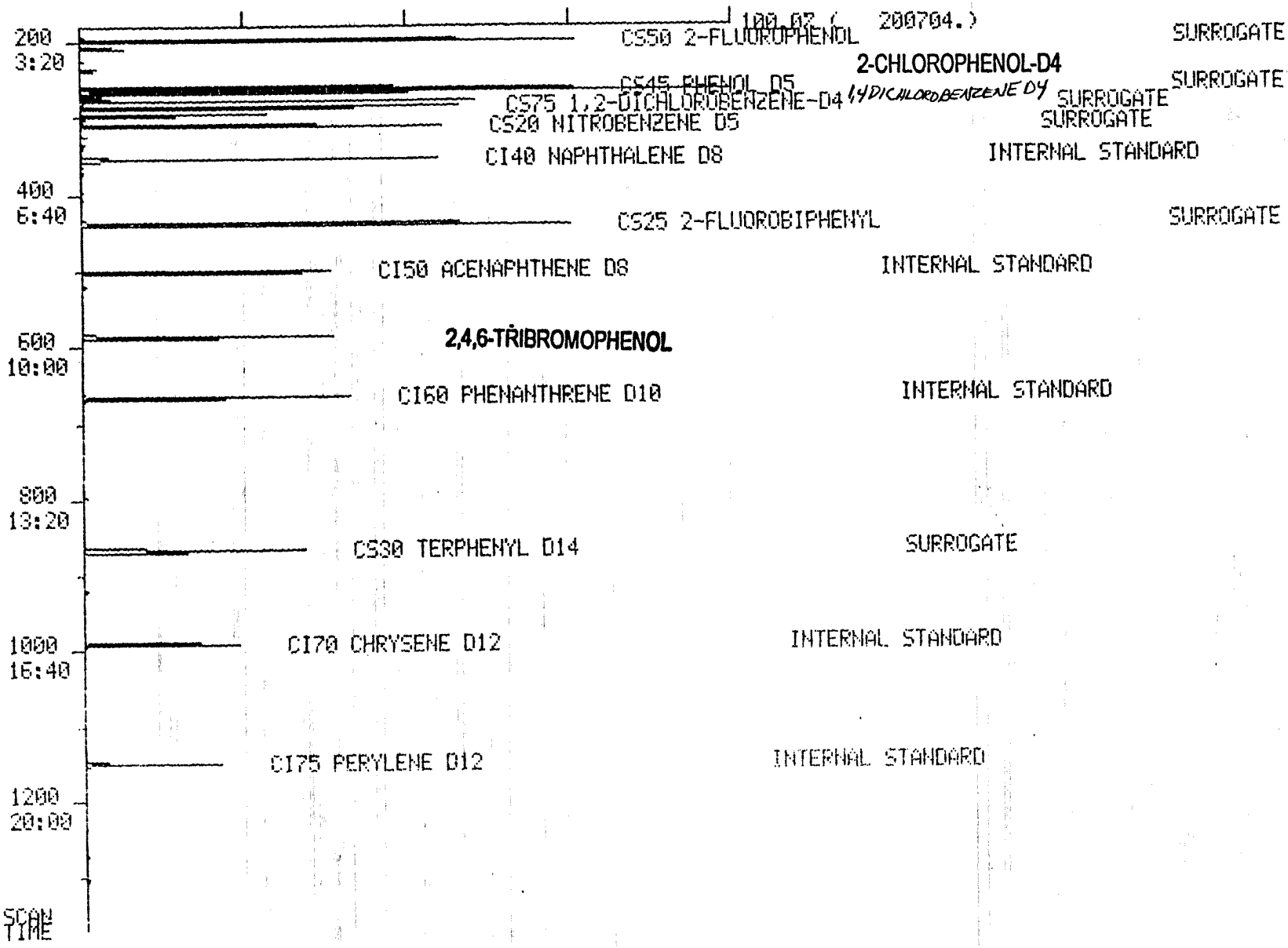
Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		CYCLOHEXEN-1-OL ISOMER	3.45	3	J
2.		UNSATURATED HYDROCARBON	4.92	10	J

DATA FROM FILE: 16404W SCANS 180 TO 1368 ACQUIRED: 06/30/94 8:53:00
CALI: 16404W #3

SAMPLE: SBLK36 JOB2406 AW40000192
CONDS.: AUTOSAMPLR I50W



Quantitation Report File: 16404W

Data: 16404W TI
06/30/94 @ 53:00
Sample SBLK36 JC02406 AW40000192
Conds. AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STANDARD
2	CI40 NAPHTHALENE D8	INTERNAL STANDARD
3	CI50 ACENAPHTHENE D8	INTERNAL STANDARD
4	CI60 PHENANTHRENE D10	INTERNAL STANDARD
5	CI70 CHRYSENE D12	INTERNAL STANDARD
6	CI75 PERYLENE D12	INTERNAL STANDARD
7	CS75 1,2-DICHLOROBENZENE-D4	SURROGATE
8	CS20 NITROBENZENE D5	SURROGATE
9	CS25 2-FLUOROBIPHENYL	SURROGATE
10	CS30 TERPHENYL D14	SURROGATE
11	CS45 PHENOL D5	SURROGATE
12	CS50 2-FLUOROPHENOL	SURROGATE
13	CS70 2-CHLOROPHENOL-D4	SURROGATE
14	CS55 2,4,6-TRIBROMOPHENOL	SURROGATE
15	C315 PHENOL	
16	C325 BIS(2-CHLOROETHYL) ETHER	
17	C330 2-CHLOROPHENOL	
18	C335 1,3-DICHLOROBENZENE	
19	C340 1,4-DICHLOROBENZENE	
20	C350 1,2-DICHLOROBENZENE	
21	C355 2-METHYLPHENOL	
22	C360 2,2'-OXYBIS(1-CHLOROPROPANE)	
23	C365 4-METHYLPHENOL	
24	C370 N-NITROSO-DI-N-PROPYLAMINE	
25	C375 HEXACHLOROETHANE	
26	C410 NITROBENZENE	
27	C415 ISOPHORONE	
28	C420 2-NITROPHENOL	
29	C425 2,4-DIMETHYLPHENOL	
30	C435 BIS(2-CHLOROETHOXY)METHANE	
31	C440 2,4-DICHLOROPHENOL	
32	C445 1,2,4-TRICHLOROBENZENE	
33	C450 NAPHTHALENE	
34	C455 4-CHLOROANILINE	
35	C460 HEXACHLOROBUTADIENE	
36	C465 4-CHLORO-3-METHYLPHENOL	
37	C470 2-METHYLNAPHTHALENE	
38	C510 HEXACHLOROCYCLOPENTADIENE	
39	C515 2,4,6-TRICHLOROPHENOL	
40	C520 2,4,5-TRICHLOROPHENOL	
41	C525 2-CHLORONAPHTHALENE	
42	C530 2-NITROANILINE	
43	C535 DIMETHYL PHTHALATE	
44	C540 ACENAPHTHYLENE	
45	C542 2,6-DINITROTOLUENE	
46	C545 3-NITROANILINE	
47	C550 ACENAPHTHENE	

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	277	4:37	1	1.000	A BB	22148.	40.000 NG	3.99
2	136	353	5:53	2	1.000	A BB	58590.	40.000 NG	3.99
3	164	500	8:20	3	1.000	A BB	35342.	40.000 NG	3.99
4	188	665	11:05	4	1.000	A BB	47606.	40.000 NG	3.99
5	240	989	16:29	5	1.000	A BB	30868.	40.000 NG	3.99
6	264	1149	19:09	6	1.000	A BB	27252.	40.000 NG	3.99
7	152	285	4:45	1	1.029	A BB	25354.	59.605 NG	5.95
8	82	309	5:09	2	0.875	A BB	49624.	71.253 NG	7.11
9	172	438	7:18	3	0.876	A BB	74824.	87.013 NG	8.68
10	244	865	14:25	5	0.875	A BB	50620.	74.873 NG	7.47
11	99	260	4:20	1	0.939	A BB	71894.	79.766 NG	7.96
12	112	197	3:17	1	0.711	A BB	77000.	96.923 NG	9.67
13	132	265	4:25	1	0.957	A BB	81916.	102.603 NG	10.24
14	330	585	9:45	3	1.170	A BB	11466.	131.384 NG	13.11
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

MTH 8/3/94

Quantitation Report File: 16404W

Data: 16404W TI
06/30/94 8:53:00
Sample: SBLK36 JOB2406 AW40000192
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYL PHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C647 CARBAZOLE
64	C650 DI-N-BUTYL PHTHALATE
65	C655 FLUORANTHENE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3' DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C735 CHRYSENE
71	C740 BIS(2-ETHYLHEXYL)PHTHALATE
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	C705 N-NITROSODIMETHYLAMINE
80	C320 ANILINE
81	C710 BENZIDINE
82	C345 BENZYL ALCOHOL
83	C430 BENZOIC ACID
84	C620 1,2,DIPHENYLHYDRAZINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								

7/13/94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
~~81~~	~~184~~	~~665~~	~~11.25~~	~~5~~	~~0.672~~	~~A BB~~	~~7266.~~	~~58.907 NG~~	~~5.88~~
82	NOT FOUND								
83	NOT FOUND								
84	NOT FOUND								

8/3/94

JG
8/1/94

TIC QUANTITATION REPORT: AMOUNTS BASED ON AREA

Quantitation Report File: 16404W

Data: 16404W.TI
06/30/94 8:53:00
Sample: SBLK36 JOB2406 AW40000192
Conds.: AUTOSAMPLR I50W
Formula: Instrument: I50W Weight: 0.000
Submitted by: Analyst: JSG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	CAS #	Name	
1	0-00-0	CI30 1,4-DICHLOROBENZENE D4	INTERNAL STAND
2	0-00-0	CI40 NAPHTHALENE D8	INTERNAL STAND
3	0-00-0	CI50 ACENAPHTHENE D8	INTERNAL STAND
4	0-00-0	CI60 PHENANTHRENE D10	INTERNAL STAND
5	0-00-0	CI70 CHRYSENE D12	INTERNAL STAND
6	0-00-0	CI75 PERYLENE D12	INTERNAL STAND
7	822-67-3	2-CYCLOHEXEN-1-OL	
8	758-86-1	2,3-DIMETHYL-1,4-PENTADIENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	TOT	277	4:37	1	1.000	A BB	132954.	40.000 NG	14.96
2	TOT	353	5:53	2	1.000	A BB	135236.	40.000 NG	14.96
3	TOT	500	8:20	3	1.000	A BB	155400.	40.000 NG	14.96
4	TOT	665	11:05	4	1.000	A BV	145302.	40.000 NG	14.96
5	TOT	989	16:29	5	1.000	A BB	98168.	40.000 NG	14.96
6	TOT	1149	19:09	6	1.000	A BV	86464.	40.000 NG	14.96
7	TOT	207	3:27	1	0.747	A BB	22726.	6.837	2.56
8	TOT	295	4:55	1	1.065	A VV	68534.	20.619	7.71

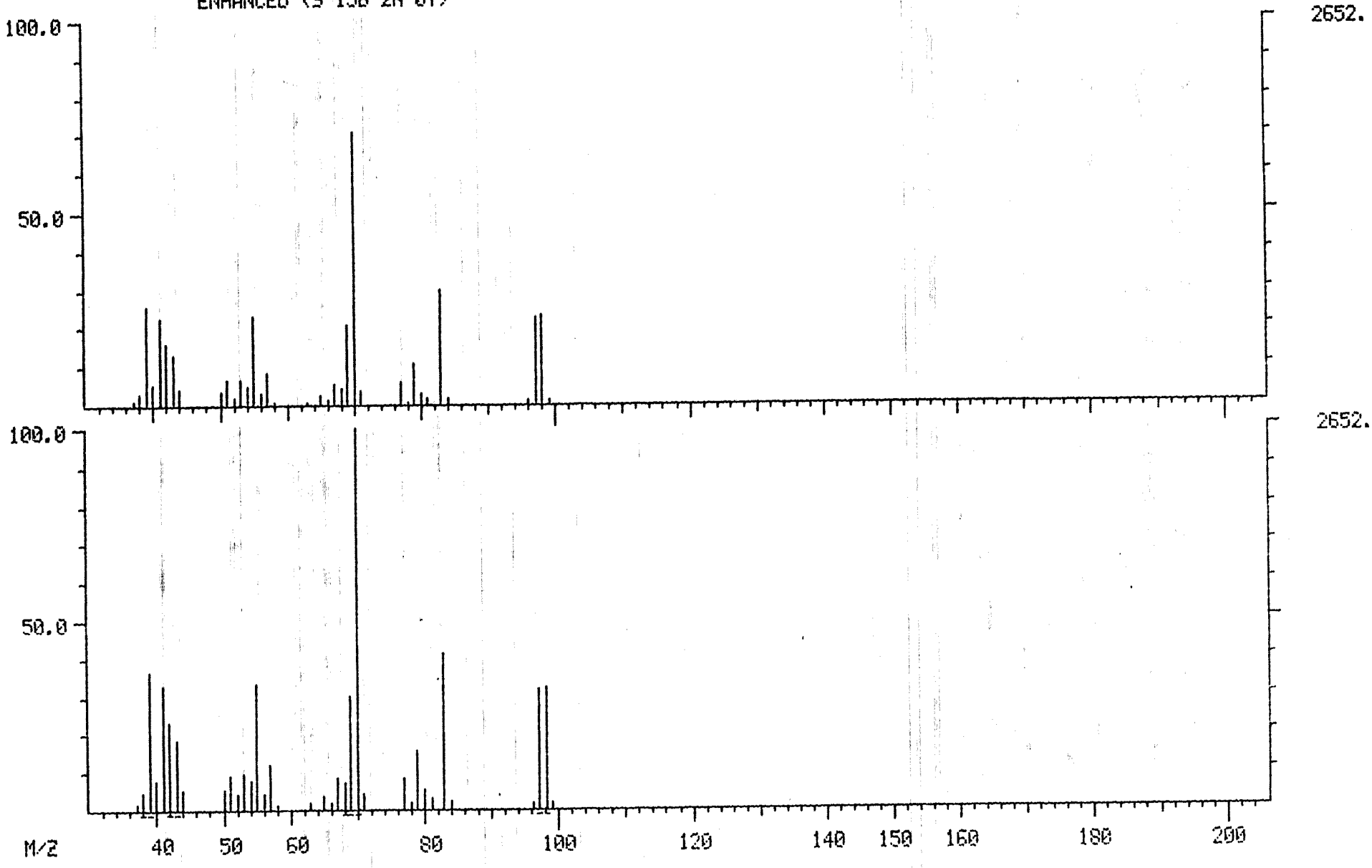
RF=1.0 DF= 1.0

$$\text{Unknown Concentration} = \left[\frac{\text{ng IS} * \text{area unknown}}{\text{area IS}} \right] * RF * DF$$

DUAL MASS SPECTRUM
06/30/94 8:53:00 + 3:27
SAMPLE: SBLK36 JOB2406 AW40000192
CONDS.: AUTOSAMPLR I50W
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16404W #207
CALI: 16404W #3

BASE M/Z: 70/ 70
RIC: 9584./ 13712.



0141

Library Search Data: 16404W # 207 Base m/z: 70
06/30/94 8:53:00 + 3:27 Cali: 16404W # 3 RIC: 8896.
Sample: SBLK36 JOB2406 AW40000192
Conds.: AUTOSAMPLR I50W
Enhanced (S 15B 2N 0T)

62231 spectra in LIBRARYNB searched for maximum FIT
385 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	1274	2-CYCLOHEXEN-1-OL
2	1270	3-CYCLOHEXEN-1-OL
3	1361	2-PENTENE, 2,4-DIMETHYL-
4	1279	3-BUTEN-1-OL, 3-METHYL-2-METHYLENE-
5	13835	METHANESULFONIC ACID, PENTYL ESTER

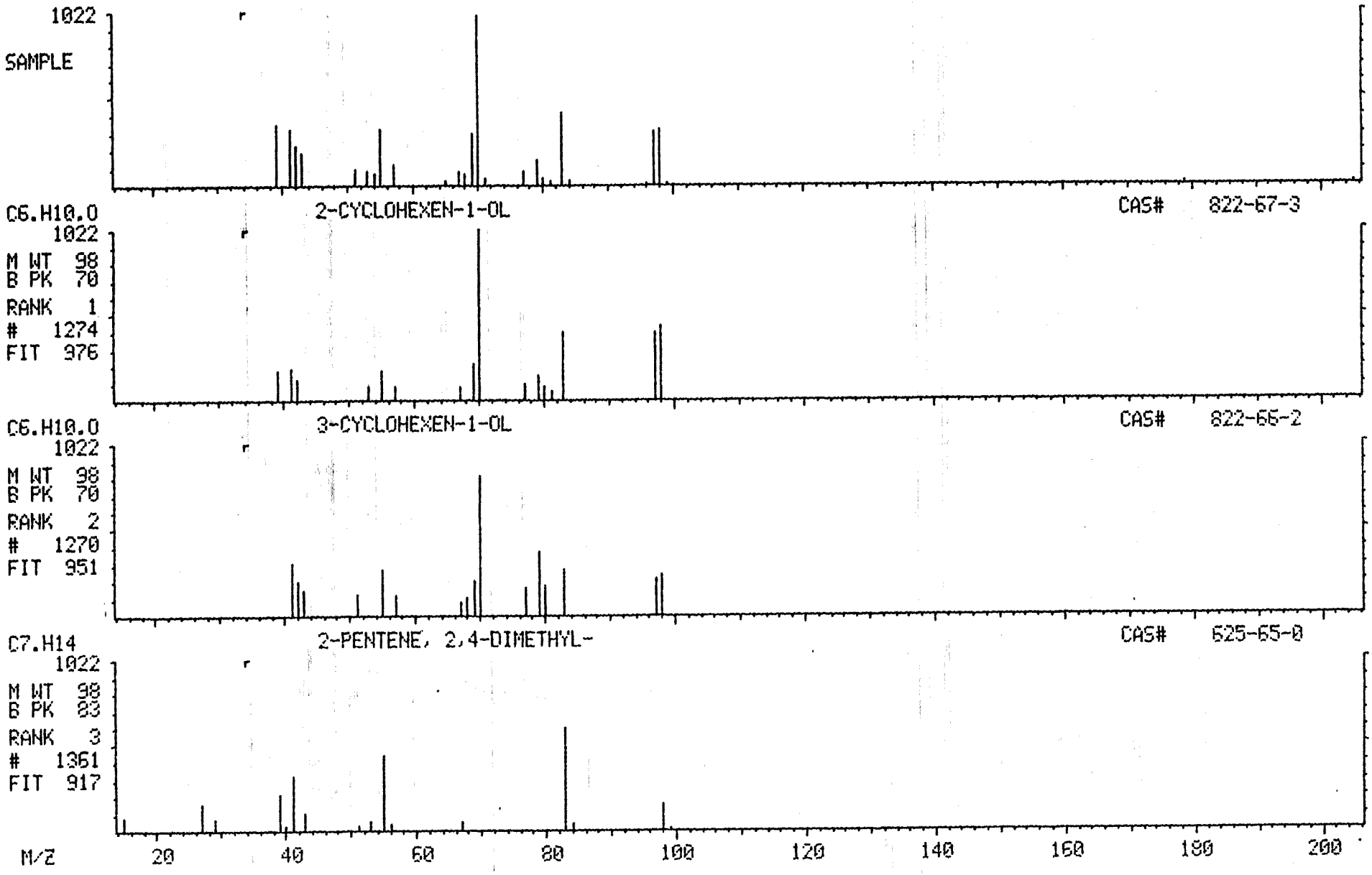
Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H10.O	98	70	878	976	878
2	C6.H10.O	98	70	843	951	843
3	C7.H14	98	83	401	917	413
4	C6.H10.O	98	41	595	884	595
5	C6.H14.O3.S	166	70	589	879	610

Rank	Ret. Time	B.P. Int.	US. Par. 1	US. Par. 2	C.A.S. #
1	___	___	___	___	822-67-3
2	___	___	___	___	822-66-2
3	___	___	___	___	625-65-0
4	___	___	___	___	26431-13-0
5	___	___	___	___	6968-20-3

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 8:53:00 + 3:27
SAMPLE: SBLK36 JOB2406 AW40000192
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16404W # 207
CALI: 16404W # 3

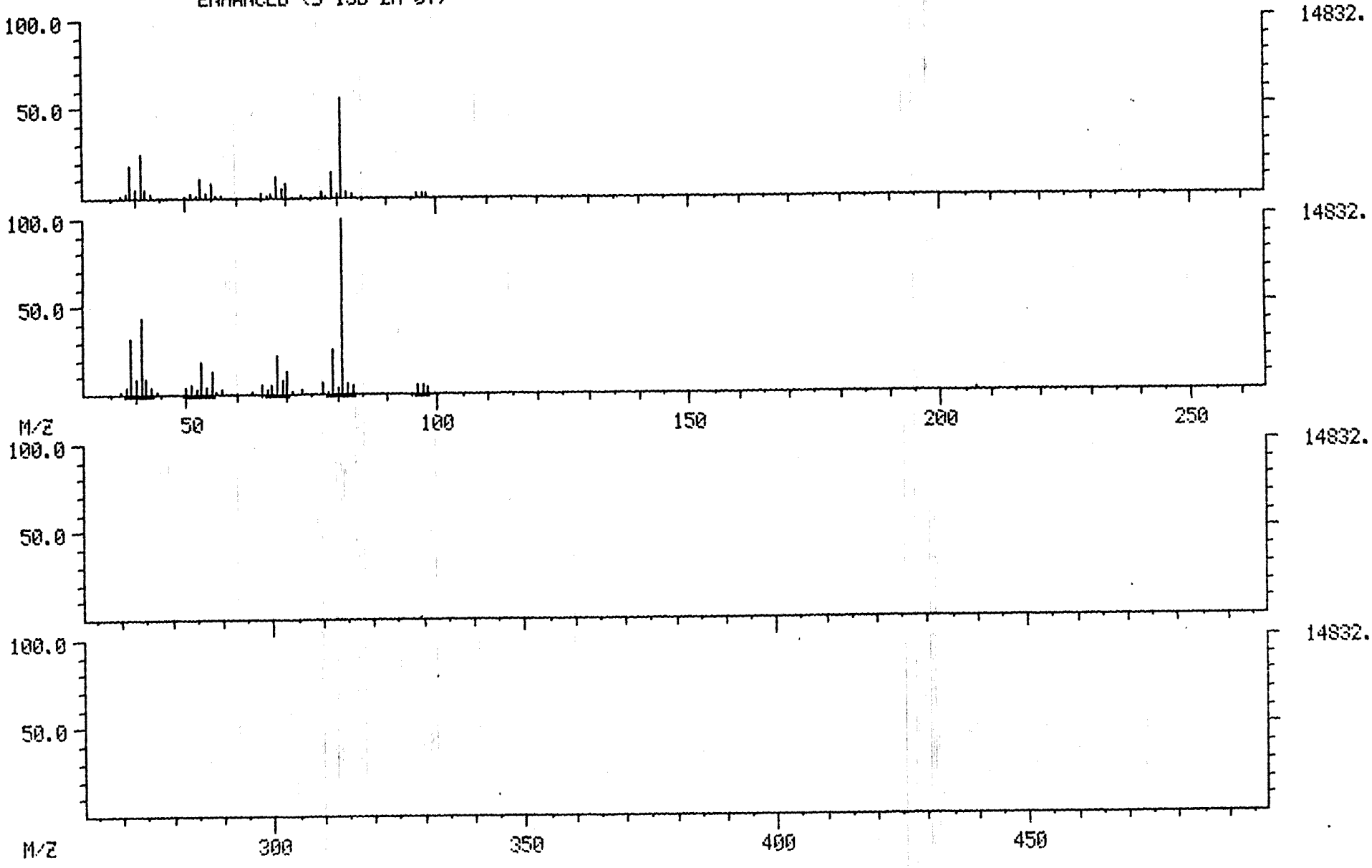
BASE M/Z: 70
RIC: 8896.



0143

DUAL MASS SPECTRUM
06/30/94 8:53:00 + 4:55
SAMPLE: SBLK36 JOB2406 AW40000192
CONDS.: AUTOSAMPLR I50W
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 16404W #295 BASE M/Z: 81/ 81
CALI: 16404W #3 RIC: 32096./ 57280.



0144

Library Search Data: 16404W # 295 Base m/z: 81
06/30/94 8:53:00 + 4:55 Cali: 16404W # 3 RIC: 30208.
Sample: SBLK36 JOB2406 AW40000192
Conds.: AUTOSAMPLR I50W
Enhanced (S 15B 2N 0T)

62231 spectra in LIBRARYNB searched for maximum FIT
185 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	1113	2,3-DIMETHYL-1,4-PENTADIENE
2	1107	1,4-PENTADIENE, 3,3-DIMETHYL-
3	1125	3,5-DIMETHYLCYCLOPENTENE
4	1119	(TERT-C4H9)C.
5	1133	CYCLOPENTENE, 1,5-DIMETHYL-

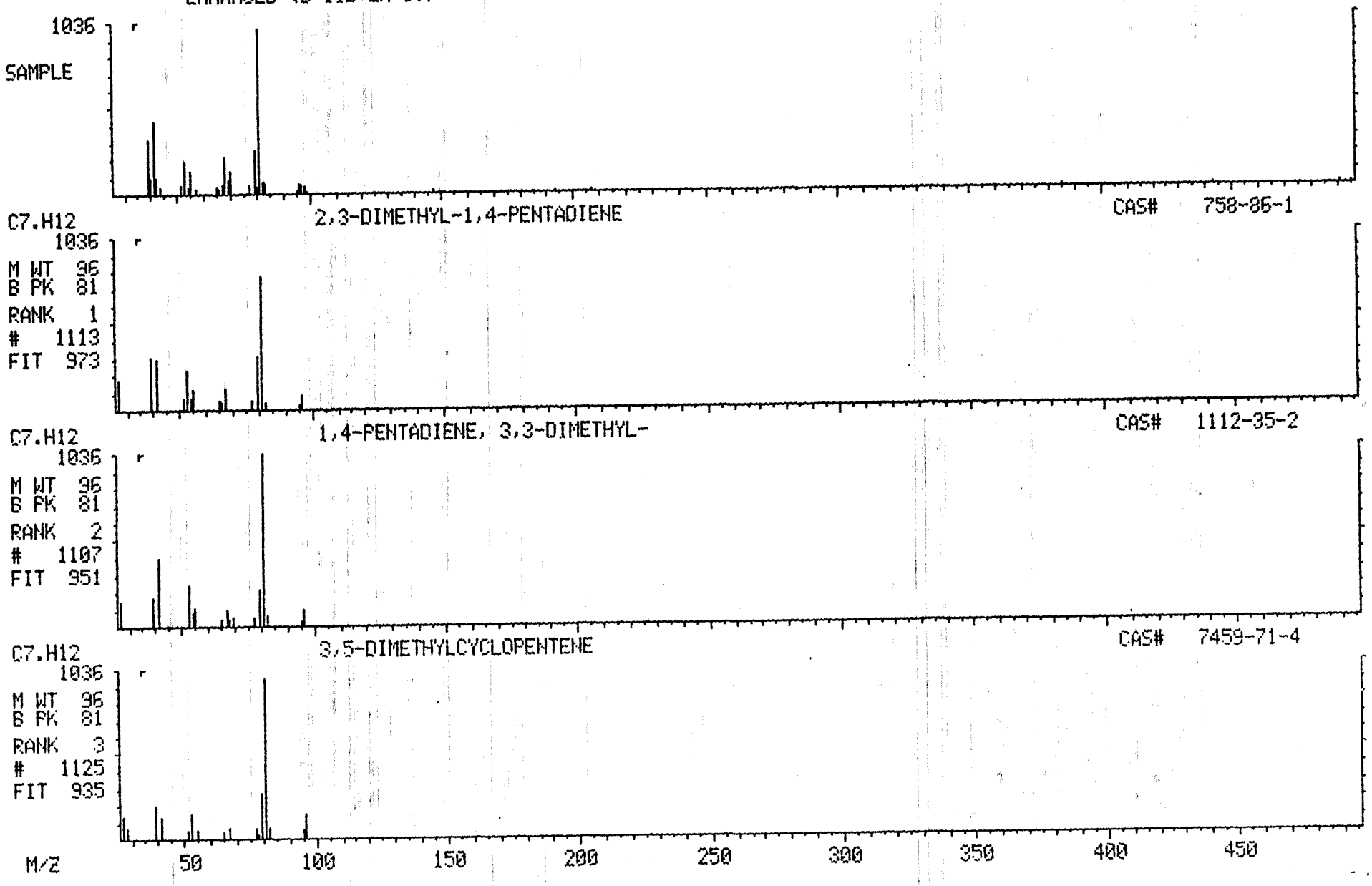
Rank	Formula	M. Wt	B. Pk	Purity	Fit	RFit
1	C7. H12	96	81	718	973	718
2	C7. H12	96	81	764	951	764
3	C7. H12	96	81	673	935	681
4	C7. H12	96	81	680	935	690
5	C7. H12	96	81	688	925	688

Rank	Ret. Time	B. P. Int.	US. Par. 1	US. Par. 2	C. A. S. #
1	———	———	———	———	758-86-1
2	———	———	———	———	1112-35-2
3	———	———	———	———	7459-71-4
4	———	———	———	———	999-78-0
5	———	———	———	———	16491-15-9

MID LIBRARY SEARCH (LIBRARYNB)
06/30/94 8:53:00 + 4:55
SAMPLE: SBLK36 JOB2406 AW40000192
CONDS.: AUTOSAMPLR I50W
ENHANCED (S 15B 2N 0T)

DATA: 16404W # 295
CALI: 16404W # 3

BASE M/Z: 81
RIC: 30208.



9710

Date: 06/28/94
Time: 15:44:05

Organic Prep Log Book
BNA WATERS 3/90 & ASP91 JOBS 2406/2519
A4B00028 (Closed)

Rept: AN0501

Date Ext/Initials: 05/28/94 _____

Date Conc/Initials: 05/31/94 _____

AQUEOUS EXTRACTIONS

Job Number	Recra Sample ID	Sample Type	Vial #	Test	Protocol	Method	Surr Code	Sample Volume	Final Volume
A94-2519	A4251901	FS	AW40000191	SVOA	ASP91	SVOA	S8270W	1000.0000	1.00
A94-2406	A4240601	FS	AW40000186	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00
A94-2406	A4240602	FS	AW40000187	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00
A94-2406	A4240603	FS	AW40000188	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00
A94-2406	A4240605	FS	AW40000189	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00
A94-2406	A4240606	FS	AW40000190	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00
A94-2406	A4B0002801	SBLK	AW40000192	SVOA	CLP390	SVOA	S8270W	1000.0000	1.00

Comments: _____

METALS DATA

NYSDEC ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A90616

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Matrix (soil/water): WATER Lab Sample ID: 0786

Level (low/med): LOW__ Date Received: 05/25/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	317_	_	_____	P_
7440-36-0	Antimony_	6.0_	U	_____	F_
7440-38-2	Arsenic__	3.0_	U	_____	F_
7440-39-3	Barium___	85.0_	B	_____	P_
7440-41-7	Beryllium	3.0_	U	_____	P_
7440-43-9	Cadmium__	5.0_	U	_____	P_
7440-70-2	Calcium__	80900_	_	_____	P_
7440-47-3	Chromium_	12.0_	_	_____	A_
7440-48-4	Cobalt___	10.0_	U	_____	P_
7440-50-8	Copper___	20.0_	B	_____	P_
7439-89-6	Iron_____	530_	_	_____	A_
7439-92-1	Lead_____	4.0_	_	_____	F_
7439-95-4	Magnesium	25200_	_	_____	P_
7439-96-5	Manganese	57.0_	_	_____	P_
7439-97-6	Mercury__	0.20_	U	_____	CV
7440-02-0	Nickel___	30.0_	U	_____	P_
7440-09-7	Potassium	4480_	B	_____	P_
7782-49-2	Selenium_	3.0_	U	_____	F_
7440-22-4	Silver___	0.20_	U	_____	F_
7440-23-5	Sodium___	30900_	_	_____	P_
7440-28-0	Thallium_	6.0_	U	__W___	F_
7440-62-2	Vanadium_	10.0_	U	_____	P_
7440-66-6	Zinc_____	38.0_	_	_____	P_
_____	Cyanide__	_____	_	_____	NR
_____	_____	_____	_	_____	__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID:_A4251901_____

NYSDEC ASP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	1000.0	1051.00	105.1	5000.0	5016.00	100.3	4992.00	99.8	P
Antimony	600.0	600.00	100.0	600.0	600.00	100.0	600.00	100.0	F
Arsenic	600.0	600.00	100.0	600.0	560.00	93.3	590.00	98.3	F
Barium	1000.0	1017.00	101.7	5000.0	5027.00	100.5	5035.00	100.7	P
Beryllium	400.0	411.00	102.8	2000.0	2014.00	100.7	2009.00	100.4	P
Cadmium	500.0	524.00	104.8	2500.0	2507.00	100.3	2526.00	101.0	P
Calcium	10000.0	10248.00	102.5	50000.0	50291.00	100.6	50600.00	101.2	P
Chromium	300.0	312.00	104.0	300.0	318.00	106.0			A
Cobalt	1000.0	1031.00	103.1	5000.0	5033.00	100.7	5056.00	101.1	P
Copper	1000.0	1022.00	102.2	5000.0	5010.00	100.2	5002.00	100.0	P
Iron	2500.0	2620.00	104.8	2500.0	2580.00	103.2			A
Lead	700.0	720.00	102.9	700.0	710.00	101.4	700.00	100.0	F
Magnesium	10000.0	10191.00	101.9	50000.0	49913.00	99.8	49840.00	99.7	P
Manganese	1000.0	1019.00	101.9	5000.0	4997.00	99.9	5012.00	100.2	P
Mercury	8.0	7.80	97.5	8.0	6.90	86.2	7.70	96.2	CV
Nickel	1000.0	988.00	98.8	5000.0	4811.00	96.2	4838.00	96.8	P
Potassium	10000.0	10008.00	100.1	50000.0	50146.00	100.3	49710.00	99.4	P
Selenium	700.0	680.00	97.1	700.0	660.00	94.3	670.00	95.7	F
Silver	500.0	480.00	96.0	500.0	490.00	98.0	470.00	94.0	F
Sodium	10000.0	10175.00	101.8	50000.0	49993.00	100.0	49597.00	99.2	P
Thallium	600.0	600.00	100.0	600.0	590.00	98.3	610.00	101.7	F
Vanadium	1000.0	1016.00	101.6	5000.0	5035.00	100.7	5043.00	100.9	P
Zinc	1000.0	1028.00	102.8	5000.0	5028.00	100.6	5055.00	101.1	P
Cyanide									NR

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

NYSDEC ASP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				5000.0	5029.00	100.6	5043.00	100.9	P
Antimony									NR
Arsenic				600.0	590.00	98.3	580.00	96.7	F
Barium				5000.0	5082.00	101.6	5086.00	101.7	P
Beryllium				2000.0	2023.00	101.2	2038.00	101.9	P
Cadmium				2500.0	2549.00	102.0	2558.00	102.3	P
Calcium				50000.0	51062.00	102.1	51142.00	102.3	P
Chromium									NR
Cobalt				5000.0	5074.00	101.5	5094.00	101.9	P
Copper				5000.0	5037.00	100.7	5062.00	101.2	P
Iron									NR
Lead				700.0	700.00	100.0	710.00	101.4	F
Magnesium				50000.0	50081.00	100.2	50398.00	100.8	P
Manganese				5000.0	5053.00	101.1	5066.00	101.3	P
Mercury									NR
Nickel				5000.0	4851.00	97.0	4883.00	97.7	P
Potassium				50000.0	49963.00	99.9	50340.00	100.7	P
Selenium				700.0	660.00	94.3	630.00	90.0	F
Silver									NR
Sodium				50000.0	49835.00	99.7	50144.00	100.3	P
Thallium				600.0	600.00	100.0	620.00	103.3	F
Vanadium				5000.0	5074.00	101.5	5111.00	102.2	P
Zinc				5000.0	5080.00	101.6	5117.00	102.3	P
Cyanide									NR

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

NYSDEC ASP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				5000.0	5028.00	100.6	5064.00	101.3	P
Antimony									NR
Arsenic				600.0	590.00	98.3	600.00	100.0	F
Barium				5000.0	5083.00	101.7	5136.00	102.7	P
Beryllium				2000.0	2025.00	101.2	2055.00	102.8	P
Cadmium				2500.0	2548.00	101.9	2578.00	103.1	P
Calcium				50000.0	50953.00	101.9	51248.00	102.5	P
Chromium									NR
Cobalt				5000.0	5062.00	101.2	5129.00	102.6	P
Copper				5000.0	5045.00	100.9	5095.00	101.9	P
Iron									NR
Lead				700.0	710.00	101.4	720.00	102.9	F
Magnesium				50000.0	50256.00	100.5	50604.00	101.2	P
Manganese				5000.0	5051.00	101.0	5088.00	101.8	P
Mercury									NR
Nickel				5000.0	4873.00	97.5	4903.00	98.1	P
Potassium				50000.0	50177.00	100.4	50451.00	100.9	P
Selenium				700.0	680.00	97.1	680.00	97.1	F
Silver									NR
Sodium				50000.0	50124.00	100.2	50336.00	100.7	P
Thallium				600.0	630.00	105.0			F
Vanadium				5000.0	5084.00	101.7	5130.00	102.6	P
Zinc				5000.0	5085.00	101.7	5108.00	102.2	P
Cyanide									NR

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

NYSDEC ASP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				5000.0	5051.00	101.0			P
Antimony									NR
Arsenic				600.0	590.00	98.3			F
Barium				5000.0	5083.00	101.7			P
Beryllium				2000.0	2027.00	101.4			P
Cadmium				2500.0	2542.00	101.7			P
Calcium				50000.0	50827.00	101.7			P
Chromium									NR
Cobalt				5000.0	5089.00	101.8			P
Copper				5000.0	5045.00	100.9			P
Iron									NR
Lead				700.0	730.00	104.3	730.00	104.3	F
Magnesium				50000.0	50212.00	100.4			P
Manganese				5000.0	5039.00	100.8			P
Mercury									NR
Nickel				5000.0	4848.00	97.0			P
Potassium				50000.0	50066.00	100.1			P
Selenium				700.0	690.00	98.6			F
Silver									NR
Sodium				50000.0	50094.00	100.2			P
Thallium									NR
Vanadium				5000.0	5066.00	101.3			P
Zinc				5000.0	5057.00	101.1			P
Cyanide									NR

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

NYSDEC ASP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

AA CRDL Standard Source: INORG.VENT._

ICP CRDL Standard Source: VHG_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
Antimony	60.0	60.00	100.0					
Arsenic	10.0	10.00	100.0					
Barium								
Beryllium				10.0	10.00	100.0	11.00	110.0
Cadmium				10.0	10.00	100.0	10.00	100.0
Calcium								
Chromium	10.0	5.00	50.0					
Cobalt				100.0	105.00	105.0	110.00	110.0
Copper				50.0	52.00	104.0	62.00	124.0
Iron	100.0	90.00	90.0					
Lead	3.0	2.00	66.7					
Magnesium								
Manganese				30.0	29.00	96.7	30.00	100.0
Mercury								
Nickel				80.0	57.00	71.2	61.00	76.2
Potassium								
Selenium	5.0	5.00	100.0					
Silver	0.5	0.30	60.0					
Sodium								
Thallium	10.0	9.00	90.0					
Vanadium				100.0	101.00	101.0	102.00	102.0
Zinc				40.0	42.00	105.0	48.00	120.0

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	90.0	U	90.0	U	90.0	U	90.0	U	90.000	U	P
Antimony	6.0	U	6.0	U	6.0	U			6.000	U	F
Arsenic	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Barium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Chromium	10.0	U	10.0	U					10.000	U	A
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	60.0	U	60.0	U					60.000	U	A
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	F
Magnesium	100.0	U	100.0	U	100.0	U	100.0	U	100.000	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.200	U	CV
Nickel	30.0	U	30.0	U	30.0	U	30.0	U	30.000	U	P
Potassium	200.0	U	200.0	U	200.0	U	200.0	U	200.000	U	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Silver	0.2	U	0.2	U	0.2	U			0.200	U	F
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Thallium	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	F
Vanadium	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

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) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			90.0	U	90.0	U	90.0	U			P
Antimony											NR
Arsenic			3.0	U	3.0	U	3.0	U			F
Barium			20.0	U	20.0	U	20.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium											NR
Cobalt			10.0	U	10.0	U	10.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron											NR
Lead			2.0	U	2.0	U	2.0	U			F
Magnesium			100.0	U	100.0	U	100.0	U			P
Manganese			5.0	U	5.0	U	5.0	U			P
Mercury											NR
Nickel			30.0	U	30.0	U	30.0	U			P
Potassium			200.0	U	200.0	U	200.0	U			P
Selenium			3.0	U	3.0	U	3.0	U			F
Silver											NR
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			6.0	U	6.0	U					F
Vanadium			10.0	U	10.0	U	10.0	U			P
Zinc			10.0	U	10.0	U	10.0	U			P
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

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) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			90.0	U							P
Antimony											NR
Arsenic			3.0	U							F
Barium			20.0	U							P
Beryllium			3.0	U							P
Cadmium			5.0	U							P
Calcium			1000.0	U							P
Chromium											NR
Cobalt			10.0	U							P
Copper			10.0	U							P
Iron											NR
Lead			2.0	U	2.0	U					F
Magnesium			100.0	U							P
Manganese			5.0	U							P
Mercury											NR
Nickel			30.0	U							P
Potassium			200.0	U							P
Selenium			3.0	U							F
Silver											NR
Sodium			1000.0	U							P
Thallium											NR
Vanadium			10.0	U							P
Zinc			10.0	U							P
Cyanide											NR

NYSDEC ASP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No: _____ SDG No.: 0525__

ICP ID Number: ARL3560_____ ICS Source: VHG_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	472399	472769.0	94.6	479703	480192.0	96.0
Antimony								
Arsenic								
Barium	0	500	-4	506.0	101.2	-4	514.0	102.8
Beryllium	0	500	0	502.0	100.4	0	512.0	102.4
Cadmium	0	1000	-11	935.0	93.5	-12	948.0	94.8
Calcium	500000	500000	473477	472744.0	94.5	481045	480961.0	96.2
Chromium								
Cobalt	0	500	1	477.0	95.4	2	495.0	99.0
Copper	0	500	1	515.0	103.0	1	543.0	108.6
Iron								
Lead								
Magnesium	500000	500000	479062	478399.0	95.7	486201	484769.0	97.0
Manganese	0	500	9	489.0	97.8	8	495.0	99.0
Mercury								
Nickel	0	1000	-47	873.0	87.3	-41	876.0	87.6
Potassium	0	0	54	43.0		31	32.0	
Selenium								
Silver								
Sodium	0	0	180	185.0		157	161.0	
Thallium								
Vanadium	0	500	3	494.0	98.8	2	504.0	100.8
Zinc	0	1000	2	959.0	95.9	2	977.0	97.7

NYSDEC ASP

7
LABORATORY CONTROL SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Solid LCS Source: _____

Aqueous LCS Source: INORGVENT/ER

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	1000.0	1070.00	107.0						
Antimony	80.0	80.00	100.0						
Arsenic	80.0	78.00	97.5						
Barium									
Beryllium	500.0	487.00	97.4						
Cadmium	500.0	531.00	106.2						
Calcium									
Chromium	500.0	550.00	110.0						
Cobalt	500.0	529.00	105.8						
Copper	500.0	534.00	106.8						
Iron	800.0	830.00	103.8						
Lead	50.0	51.00	102.0						
Magnesium									
Manganese	500.0	530.00	106.0						
Mercury									
Nickel	300.0	289.00	96.3						
Potassium									
Selenium	47.0	46.00	97.9						
Silver	300.0	290.00	96.7						
Sodium									
Thallium	80.0	66.00	82.5						
Vanadium	1000.0	1023.00	102.3						
Zinc	500.0	526.00	105.2						
Cyanide									

NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Solid LCS Source: _____

Aqueous LCS Source: INORGVENT/ER

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium	10000.0	10721.00	107.2						
Beryllium									
Cadmium									
Calcium	20000.0	22261.00	111.3						
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium	10000.0	10828.00	108.3						
Manganese									
Mercury									
Nickel									
Potassium	15000.0	16356.00	109.0						
Selenium									
Silver									
Sodium	25000.0	29779.00	119.1						
Thallium									
Vanadium									
Zinc									
Cyanide									

NYSDEC ASP

9

ICP SERIAL DILUTION

NYSDEC SAMPLE NO.

A90616L

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

Matrix (soil/water): WATER Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	317.00		450.00	U	100.0		P
Antimony							NR
Arsenic							NR
Barium	85.00	B	100.00	U	100.0		P
Beryllium	3.00	U	15.00	U			P
Cadmium	5.00	U	25.00	U			P
Calcium	80858.00		84755.00		4.8		P
Chromium							NR
Cobalt	10.00	U	50.00	U			P
Copper	20.00	B	50.00	U	100.0		P
Iron							NR
Lead							NR
Magnesium	25216.00		26975.00		7.0		P
Manganese	57.00		50.00	B	12.3		P
Mercury							NR
Nickel	30.00	U	150.00	U			P
Potassium	4483.00	B	4765.00	B	6.3		P
Selenium							NR
Silver							NR
Sodium	30854.00		33095.00		7.3		P
Thallium							NR
Vanadium	10.00	U	50.00	U			P
Zinc	38.00		50.00	U	100.0		P

NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: ARL3560_____ Date: 04/13/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	90.0	P
Antimony			60		NR
Arsenic			10		NR
Barium	455.40		200	20.0	P
Beryllium	313.04		5	3.0	P
Cadmium	228.80		5	5.0	P
Calcium	317.93		5000	1000.0	P
Chromium			10		NR
Cobalt	228.62		50	10.0	P
Copper	325.75		25	10.0	P
Iron			100		NR
Lead			3		NR
Magnesium	279.08		5000	100.0	P
Manganese	257.61		15	5.0	P
Mercury			0.2		NR
Nickel	231.60		40	30.0	P
Potassium	766.49		5000	200.0	P
Selenium			5		NR
Silver			10		NR
Sodium	589.00		5000	1000.0	P
Thallium			10		NR
Vanadium	292.40		50	10.0	P
Zinc	213.86		20	10.0	P

Comments:

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NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: _____ Date: 04/18/94

Flame AA ID Number : PE3100_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium	357.90	BD	10	10.0	A
Cobalt			50		NR
Copper			25		NR
Iron	248.30	BD	100	60.0	A
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: _____ Date: 03/09/94

Flame AA ID Number : _____

Furnace AA ID Number : PE5100#1____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	283.30	BZ	3	2.0	F
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium	276.80	BZ	10	6.0	F
Vanadium			50		NR
Zinc			20		NR

Comments:

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NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: _____ Date: 03/17/94

Flame AA ID Number : _____

Furnace AA ID Number : PE5100#2____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	196.00	BZ	5	3.0	F
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: _____ Date: 03/09/94

Flame AA ID Number : _____

Furnace AA ID Number : PE5100#3____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	217.60	BZ	60	6.0	F
Arsenic	193.70	BZ	10	3.0	F
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver	328.10	BZ	10	0.2	F
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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NYSDEC ASP

10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: _____ Date: 06/04/94

Flame AA ID Number : PE2380_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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NYSDEC ASP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: ARL3560_____ Date: 05/19/94

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	__
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	
Arsenic						
Barium	455.40	0.0000000	0.0000000	0.0000400	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium	228.80	0.0000000	0.0000000	0.0004300	0.0000000	
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	357.90	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	325.75	0.0000000	0.0000000	0.0008254	0.0000000	
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	
Lead	220.35	0.0000000	0.0000000	0.0003600	0.0000000	
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0004000	0.0000000	
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium						
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium						
Vanadium	292.40	0.0000000	0.0000000	0.0000293	0.0000000	
Zinc	213.86	0.0000000	0.0000000	0.0002000	0.0000000	

Comments:

NYSDEC ASP

12
ICP LINEAR RANGES (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994 SAS No.: _____ SDG No.: 0525__

ICP ID Number: ARL3560_____ Date: 04/26/94

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	45.00	700000.0	P
Antimony	45.00	100000.0	P
Arsenic			NR
Barium	45.00	100000.0	P
Beryllium	45.00	50000.0	P
Cadmium	45.00	100000.0	P
Calcium	45.00	600000.0	P
Chromium	45.00	50000.0	P
Cobalt	45.00	100000.0	P
Copper	45.00	100000.0	P
Iron	45.00	250000.0	P
Lead	45.00	100000.0	P
Magnesium	45.00	900000.0	P
Manganese	45.00	50000.0	P
Mercury			NR
Nickel	45.00	100000.0	P
Potassium	45.00	1000000.0	P
Selenium			NR
Silver	45.00	20000.0	P
Sodium	45.00	600000.0	P
Thallium			NR
Vanadium	45.00	50000.0	P
Zinc	45.00	100000.0	P

Comments:

NYSDEC ASP

13
PREPARATION LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.:_RH994_ SAS No.: _____ SDG No.:0525__

Method: P_

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mL)
A90616	06/01/94		100
LCSW	06/01/94		100
LCSW	06/01/94		100
PBW	06/01/94		100

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NYSDEC ASP

13
PREPARATION LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.:_RH994_ SAS No.: _____ SDG No.:0525__

Method: A_

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mL)
A90616	06/01/94		100
LCSW	06/01/94		100
PBW	06/01/94		100

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NYSDEC ASP

13
PREPARATION LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.:_RH994_ SAS No.: _____ SDG No.:0525__

Method: F_

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mL)
A90616	06/01/94		100
LCSW	06/01/94		100
PBW	06/01/94		100

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NYSDEC ASP

13
PREPARATION LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.:_RH994_ SAS No.: _____ SDG No.:0525__

Method: CV

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mL)
A90616	06/03/94		100
PBW	06/03/94		100

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NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: ARL3560_____ Method: P_

Start Date: 06/23/94 End Date: 06/23/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1215		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
S	1.00	1217		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
S	1.00	1219		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
S	1.00	1221		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	0554																												
ICV	1.00	1223		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ICB	1.00	1228		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CRI	1.00	1232		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ICSA	1.00	1237		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ICSAB	1.00	1241		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCV	1.00	1246		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1251		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	1255																												
ZZZZZZ	1.00	1300																												
ZZZZZZ	1.00	1304																												
ZZZZZZ	1.00	1309																												
ZZZZZZ	1.00	1313																												
ZZZZZZ	1.00	1318																												
ZZZZZZ	1.00	1322																												
ZZZZZZ	1.00	1327																												
ZZZZZZ	1.00	1331																												
ZZZZZZ	1.00	1336																												
CCV	1.00	1340		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1345		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	1349																												
ZZZZZZ	1.00	1354																												
ZZZZZZ	1.00	1358																												
ZZZZZZ	1.00	1403																												
ZZZZZZ	1.00	1407																												
ZZZZZZ	1.00	1412																												
ZZZZZZ	1.00	1416																												
ZZZZZZ	1.00	1421																												

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: ARL3560_____ Method: P_

Start Date: 06/23/94 End Date: 06/23/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1425																										
ZZZZZZ	1.00	1430																										
CCV	1.00	1434		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1439		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	1443																										
ZZZZZZ	1.00	1448																										
ZZZZZZ	1.00	1452																										
ZZZZZZ	1.00	1457																										
ZZZZZZ	1.00	1501																										
ZZZZZZ	1.00	1506																										
ZZZZZZ	1.00	1510																										
ZZZZZZ	1.00	1515																										
ZZZZZZ	1.00	1520																										
ZZZZZZ	1.00	1524																										
CCV	1.00	1529		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1533		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	1538																										
ZZZZZZ	1.00	1542																										
ZZZZZZ	1.00	1547																										
ZZZZZZ	1.00	1551																										
ZZZZZZ	1.00	1556																										
ZZZZZZ	1.00	1600																										
ZZZZZZ	1.00	1605																										
ZZZZZZ	1.00	1609																										
ZZZZZZ	1.00	1614																										
ZZZZZZ	1.00	1618																										
CCV	1.00	1623		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1627		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ZZZZZZ	1.00	1632																										
ZZZZZZ	1.00	1636																										
ZZZZZZ	1.00	1641																										
ZZZZZZ	1.00	1645																										

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NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: ARL3560_____ Method: P_

Start Date: 06/23/94 End Date: 06/23/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1650																												
PBW	1.00	1654		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
LCSW	1.00	1659		X				X	X			X	X				X		X						X	X	
LCSW	1.00	1703					X			X						X				X			X				
A90616	1.00	1708		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
A90616L	1.00	1712		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCV	1.00	1717		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1721		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CRI	1.00	1726		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ICSA	1.00	1730		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
ICSAB	1.00	1735		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCV	1.00	1739		X			X	X	X	X		X	X			X	X		X	X			X		X	X	
CCB	1.00	1744		X			X	X	X	X		X	X			X	X		X	X			X		X	X	

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE3100_____ Method: A_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0910									X															
S100	1.00	0911									X															
S500	1.00	0911									X															
S1000	1.00	0911									X															
ZZZZZZ	1.00	0912																								
ICV	1.00	0912									X															
ZZZZZZ	1.00	0913																								
ICB	1.00	0913									X															
ZZZZZZ	1.00	0913																								
CRA	1.00	0914									X															
ZZZZZZ	1.00	0914																								
PBW	1.00	0915									X															
ZZZZZZ	1.00	0915																								
LCSW	1.00	0916									X															
ZZZZZZ	1.00	0916																								
A90616	1.00	0917									X															
ZZZZZZ	1.00	0917																								
CCV	1.00	0918									X															
ZZZZZZ	1.00	0918																								
CCB	1.00	0918									X															
ZZZZZZ	1.00	0919																								

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14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE3100_____ Method: A_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0925												X													
S250	1.00	0925												X													
S1000	1.00	0925												X													
S5000	1.00	0926												X													
ZZZZZZ	1.00	0926																									
ICV	1.00	0927												X													
ZZZZZZ	1.00	0927																									
ICB	1.00	0927												X													
ZZZZZZ	1.00	0928																									
CRA	1.00	0928												X													
ZZZZZZ	1.00	0929																									
PBW	1.00	0929												X													
ZZZZZZ	1.00	0929																									
LCSW	1.00	0930												X													
ZZZZZZ	1.00	0930																									
A90616	1.00	0931												X													
ZZZZZZ	1.00	0931																									
CCV	1.00	0932												X													
ZZZZZZ	1.00	0932																									
CCB	1.00	0933												X													
ZZZZZZ	1.00	0933																									

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#3_____ Method: F_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1103			X																					
S25	1.00	1108			X																					
S50	1.00	1113			X																					
S100	1.00	1118			X																					
ICV	10.00	1123			X																					
ICB	1.00	1128			X																					
CRA	1.00	1133			X																					
CCV	10.00	1138			X																					
CCB	1.00	1143			X																					
PBW	1.00	1148			X																					
PBWA	1.00	1153	87.5		X																					
LCSW	5.00	1158			X																					
LCSWA	5.00	1204	83.8		X																					
A90616	1.00	1209			X																					
A90616A	1.00	1214	90.0		X																					
CCV	10.00	1219			X																					
CCB	1.00	1224			X																					

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#3_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1723				X																					
S10	1.00	1728				X																					
S50	1.00	1732				X																					
S100	1.00	1737				X																					
ICV	10.00	1742				X																					
ICB	1.00	1747				X																					
CRA	1.00	1751				X																					
CCV	10.00	1756				X																					
CCB	1.00	1801				X																					
PBW	1.00	1806				X																					
PBWA	1.00	1811	100.0			X																					
LCSW	2.00	1816				X																					
LCSWA	2.00	1821	90.0			X																					
A90616	1.00	1826				X																					
A90616A	1.00	1832	110.0			X																					
ZZZZZZ	1.00	1837																									
ZZZZZZ	1.00	1842																									
ZZZZZZ	20.00	1847																									
ZZZZZZ	20.00	1852																									
CCV	10.00	1857				X																					
CCB	1.00	1902				X																					
ZZZZZZ	1.00	1907																									
ZZZZZZ	1.00	1912																									
ZZZZZZ	1.00	1917																									
ZZZZZZ	1.00	1922																									
ZZZZZZ	20.00	1927																									
ZZZZZZ	20.00	1932																									
ZZZZZZ	1.00	1937																									
ZZZZZZ	1.00	1942																									
ZZZZZZ	1.00	1947																									
ZZZZZZ	1.00	1952																									
CCV	10.00	1957				X																					

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#3_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	2002				X																					
ZZZZZZ	1.00	2007																									
ZZZZZZ	1.00	2012																									
ZZZZZZ	1.00	2017																									
ZZZZZZ	1.00	2022																									
ZZZZZZ	1.00	2027																									
ZZZZZZ	1.00	2032																									
ZZZZZZ	1.00	2037																									
ZZZZZZ	1.00	2042																									
ZZZZZZ	1.00	2047																									
ZZZZZZ	1.00	2052																									
CCV	10.00	2056				X																					
CCB	1.00	2101				X																					
ZZZZZZ	1.00	2106																									
ZZZZZZ	1.00	2111																									
ZZZZZZ	1.00	2116																									
ZZZZZZ	1.00	2121																									
ZZZZZZ	1.00	2126																									
ZZZZZZ	1.00	2131																									
ZZZZZZ	1.00	2136																									
ZZZZZZ	1.00	2141																									
ZZZZZZ	1.00	2146																									
ZZZZZZ	1.00	2151																									
CCV	10.00	2156				X																					
CCB	1.00	2201				X																					
ZZZZZZ	2.00	2206																									
ZZZZZZ	2.00	2211																									
ZZZZZZ	1.00	2216																									
ZZZZZZ	1.00	2222																									
ZZZZZZ	1.00	2227																									
ZZZZZZ	1.00	2232																									
ZZZZZZ	1.00	2237																									

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#3_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	2242																										
ZZZZZZ	1.00	2247																										
ZZZZZZ	1.00	2252																										
CCV	10.00	2257				X																						
CCB	1.00	2302				X																						
ZZZZZZ	1.00	2307																										
ZZZZZZ	1.00	2312																										
CCV	10.00	2317				X																						
CCB	1.00	2322				X																						

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#1_____ Method: F_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0714													X												
S5	1.00	0719													X												
S50	1.00	0724													X												
S100	1.00	0729													X												
ICV	10.00	0733													X												
ICB	1.00	0738													X												
CRA	1.00	0743													X												
CCV	10.00	0748													X												
CCB	1.00	0752													X												
PBW	1.00	0757													X												
PBWA	1.00	0802	100.0												X												
LCSW	1.00	0807													X												
LCSWA	1.00	0813	85.0												X												
A90616	1.00	0817													X												
A90616A	1.00	0823	105.0												X												
ZZZZZZ	1.00	0828																									
ZZZZZZ	1.00	0833																									
ZZZZZZ	20.00	0838																									
ZZZZZZ	20.00	0844																									
CCV	10.00	0849													X												
CCB	1.00	0853													X												
ZZZZZZ	1.00	0858																									
ZZZZZZ	1.00	0903																									
ZZZZZZ	1.00	0908																									
ZZZZZZ	1.00	0914																									
ZZZZZZ	1.00	0919																									
ZZZZZZ	1.00	0924																									
ZZZZZZ	1.00	0929																									
ZZZZZZ	1.00	0934																									
ZZZZZZ	1.00	0939																									
ZZZZZZ	1.00	0944																									
CCV	10.00	0948													X												

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#1_____ Method: F_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	0953													X												
ZZZZZZ	1.00	0958																									
ZZZZZZ	1.00	1003																									
ZZZZZZ	1.00	1008																									
ZZZZZZ	1.00	1013																									
ZZZZZZ	1.00	1018																									
ZZZZZZ	1.00	1023																									
ZZZZZZ	1.00	1028																									
ZZZZZZ	1.00	1033																									
ZZZZZZ	1.00	1037																									
ZZZZZZ	1.00	1043																									
CCV	10.00	1047													X												
CCB	1.00	1052													X												
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1102																									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1112																									
ZZZZZZ	1.00	1117																									
ZZZZZZ	1.00	1122																									
ZZZZZZ	1.00	1127																									
ZZZZZZ	1.00	1132																									
ZZZZZZ	1.00	1137																									
ZZZZZZ	1.00	1142																									
CCV	10.00	1147													X												
CCB	1.00	1151													X												
ZZZZZZ	1.00	1156																									
ZZZZZZ	1.00	1202																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	1.00	1212																									
ZZZZZZ	1.00	1217																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	1.00	1227																									

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#1_____ Method: F_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1232																										
CCV	10.00	1237													X													
CCB	1.00	1242													X													
CCV	10.00	1251													X													
CCB	1.00	1255													X													
ZZZZZZ	5.00	1300																										
ZZZZZZ	5.00	1305																										
CCV	10.00	1310													X													
CCB	1.00	1315													X													

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#2_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1348																		X						
S5	1.00	1353																		X						
S50	1.00	1358																		X						
S100	1.00	1403																		X						
ICV	10.00	1408																		X						
ICB	1.00	1413																		X						
CRA	1.00	1418																		X						
CCV	10.00	1424																		X						
CCB	1.00	1429																		X						
PBW	1.00	1434																		X						
PBWA	1.00	1440	100.0																	X						
LCSW	1.00	1445																		X						
LCSWA	1.00	1452	110.0																	X						
A90616	1.00	1457																		X						
A90616A	1.00	1503	100.0																	X						
ZZZZZZ	1.00	1509																								
ZZZZZZ	1.00	1515																								
ZZZZZZ	10.00	1520																								
ZZZZZZ	10.00	1527																								
CCV	10.00	1532																		X						
CCB	1.00	1537																		X						
ZZZZZZ	1.00	1542																								
ZZZZZZ	1.00	1549																								
ZZZZZZ	1.00	1554																								
ZZZZZZ	1.00	1600																								
ZZZZZZ	10.00	1606																								
ZZZZZZ	10.00	1612																								
ZZZZZZ	1.00	1617																								
ZZZZZZ	1.00	1623																								
ZZZZZZ	1.00	1629																								
ZZZZZZ	1.00	1635																								
CCV	10.00	1640																		X						

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NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#2_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1645																		X						
ZZZZZZ	1.00	1651																								
ZZZZZZ	1.00	1657																								
ZZZZZZ	1.00	1702																								
ZZZZZZ	1.00	1708																								
ZZZZZZ	1.00	1713																								
ZZZZZZ	1.00	1719																								
ZZZZZZ	1.00	1725																								
ZZZZZZ	1.00	1731																								
ZZZZZZ	1.00	1736																								
ZZZZZZ	1.00	1742																								
CCV	10.00	1747																		X						
CCB	1.00	1752																		X						
ZZZZZZ	1.00	1757																								
ZZZZZZ	1.00	1803																								
ZZZZZZ	1.00	1808																								
ZZZZZZ	1.00	1815																								
ZZZZZZ	1.00	1820																								
ZZZZZZ	1.00	1826																								
ZZZZZZ	1.00	1831																								
ZZZZZZ	1.00	1837																								
ZZZZZZ	1.00	1843																								
ZZZZZZ	1.00	1849																								
CCV	10.00	1854																		X						
CCB	1.00	1859																		X						
ZZZZZZ	1.00	1904																								
ZZZZZZ	1.00	1911																								
ZZZZZZ	1.00	1916																								
ZZZZZZ	1.00	1923																								
ZZZZZZ	1.00	1928																								
ZZZZZZ	1.00	1934																								
ZZZZZZ	1.00	1940																								

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14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#2_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1946																												
ZZZZZZ	1.00	1951																												
ZZZZZZ	1.00	1958																												
CCV	10.00	2003																			X									
CCB	1.00	2008																			X									
ZZZZZZ	1.00	2013																												
ZZZZZZ	1.00	2020																												
CCV	10.00	2025																			X									
CCB	1.00	2030																			X									

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ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#3_____ Method: F_

Start Date: 06/24/94 End Date: 06/24/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0836																			X					
S1	1.00	0841																			X					
S3	1.00	0846																			X					
S7	1.00	0851																			X					
ICV	100.00	0856																			X					
ICB	1.00	0901																			X					
CRA	1.00	0906																			X					
CCV	100.00	0912																			X					
CCB	1.00	0917																			X					
PBW	1.00	0922																			X					
PBWA	1.00	0927	96.7																		X					
LCSW	100.00	0933																			X					
LCSWA	100.00	0938	93.3																		X					
A90616	1.00	0944																			X					
A90616A	1.00	0949	93.3																		X					
CCV	100.00	0956																			X					
CCB	1.00	1001																			X					

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14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#1_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1541																					X			
S10	1.00	1546																					X			
S50	1.00	1551																					X			
S100	1.00	1555																					X			
ICV	10.00	1600																					X			
ICB	1.00	1605																					X			
CRA	1.00	1610																					X			
CCV	10.00	1614																					X			
CCB	1.00	1619																					X			
PBW	1.00	1624																					X			
PBWA	1.00	1629	95.0																				X			
LCSW	2.00	1634																					X			
LCSWA	2.00	1639	85.0																				X			
A90616	1.00	1644																					X			
A90616A	1.00	1649	55.0																				X			
ZZZZZZ	1.00	1654																								
ZZZZZZ	1.00	1659																								
ZZZZZZ	1.00	1704																								
ZZZZZZ	1.00	1709																								
CCV	10.00	1714																					X			
CCB	1.00	1719																					X			
ZZZZZZ	2.00	1724																								
ZZZZZZ	2.00	1729																								
ZZZZZZ	1.00	1734																								
ZZZZZZ	1.00	1739																								
ZZZZZZ	1.00	1744																								
ZZZZZZ	1.00	1749																								
ZZZZZZ	1.00	1754																								
ZZZZZZ	1.00	1759																								
ZZZZZZ	1.00	1804																								
ZZZZZZ	1.00	1809																								
CCV	10.00	1814																					X			

FORM XIV - IN

12/91

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE5100#1_____ Method: F_

Start Date: 06/16/94 End Date: 06/16/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1819																					X			
ZZZZZZ	1.00	1824																								
ZZZZZZ	1.00	1829																								
ZZZZZZ	1.00	1833																								
ZZZZZZ	1.00	1838																								
ZZZZZZ	1.00	1843																								
ZZZZZZ	1.00	1848																								
ZZZZZZ	1.00	1853																								
ZZZZZZ	1.00	1858																								
ZZZZZZ	1.00	1903																								
ZZZZZZ	1.00	1908																								
CCV	10.00	1912																					X			
CCB	1.00	1917																					X			
ZZZZZZ	20.00	1922																								
ZZZZZZ	20.00	1927																								
ZZZZZZ	1.00	1932																								
ZZZZZZ	1.00	1937																								
ZZZZZZ	1.00	1942																								
ZZZZZZ	1.00	1947																								
ZZZZZZ	1.00	1952																								
ZZZZZZ	1.00	1957																								
ZZZZZZ	1.00	2002																								
ZZZZZZ	1.00	2007																								
CCV	10.00	2012																					X			
CCB	1.00	2016																					X			

FORM XIV - IN

12/91

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE2380_____ Method: CV

Start Date: 06/04/94 End Date: 06/04/94

NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0910																X									
S0.5	1.00	0911																X									
S1	1.00	0912																X									
S2	1.00	0914																X									
S5	1.00	0915																X									
S10	1.00	0917																X									
ICV	1.00	0918																X									
ICB	1.00	0920																X									
ZZZZZZ	1.00	0921																									
ZZZZZZ	1.00	0923																									
ZZZZZZ	1.00	0924																									
ZZZZZZ	1.00	0926																									
ZZZZZZ	1.00	0927																									
A90616	1.00	0929																X									
ZZZZZZ	1.00	0930																									
ZZZZZZ	1.00	0931																									
ZZZZZZ	1.00	0933																									
ZZZZZZ	1.00	0934																									
CCV	1.00	0936																X									
CCB	1.00	0937																X									
S0	1.00	0939																X									
S0.5	1.00	0940																X									
S1	1.00	0942																X									
S2	1.00	0943																X									
S5	1.00	0945																X									
S10	1.00	0946																X									
PBW	1.00	0948																X									
ZZZZZZ	1.00	0949																									
ZZZZZZ	1.00	0950																									
ZZZZZZ	1.00	0952																									
ZZZZZZ	1.00	0953																									
ZZZZZZ	1.00	0955																									

FORM XIV - IN

12/91

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: RH994_ SAS No.: _____ SDG No.:0525__

Instrument ID Number: PE2380_____ Method: CV

Start Date: 06/04/94 End Date: 06/04/94

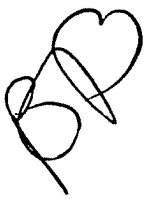
NYSDEC Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	0956																									
ZZZZZZ	1.00	0958																									
CCV	1.00	0959																X									
CCB	1.00	1001																X									
S0	1.00	1002																X									
S0.5	1.00	1004																X									
S1	1.00	1005																X									
S2	1.00	1007																X									
S5	1.00	1008																X									
S10	1.00	1010																X									

METALS RAW DATA

ARL 3560 AUTOSAMPLER WORKSHEET PROGRAM DATA FILE P0623942 DATE 6/23/94
ANALYST BD ELEMENTS _____ UNITS COMPLETE 578

TRAY #	JOB #	SAMPLE ID	SAMPLE #	DIL FAC	COMMENTS
1			ICV		+Fe
2			ICB		*Cr
3			CRI1		
4			ICSA1		
5			ICSAB1		+Ag
6			CCOP1		
7			CCB1		
8	7677	blk	1646		
9	2681	21K	1647		
10			1625		
11			1625L	1/5	
12			1626		
13			1627		
14			1628		
15			1629		
16			1630		
17			1631		
18			CCOP2		
19			CCB2		
20			1632		
21			1633		
22			1634		
23			1635		
24			+ICL		
25			1636		
26			1637		
27			1638		
28			1639		
29			1640		
30			CCOP3		
31			CCB3		
32			+		
33			1641		
34			1642		
35			1643		
36			1644		
37			1645		
38			1645L	1/5	
39	2782	blk	1484		
40		21K	1485		
41			1475		
42			CCOP4		
43			CCB4		

TRAY #	JOB #	SAMPLE ID	SAMPLE #	DIL FAC	COMMENTS
44			1475L	1/5	
45	2359		1476		
46			1476L	1/5	
47			1477		
48			1478		
49			1479		
50			1480		
51			+ICL		
52			1481		
53			1482		
54			CCOP5		
55			CCB5		
56			1483		
57	7698	blk	1595		
58		21K	1596		
59			1579		
60			1579L	1/5	
61	2519	blk	0802		PBW1
62		RI	0804		LCSW1
63		mix	0806		LCSW2
64			0786		
65			0786L	1/5	
66			CCOP6		
67			CCB6		
68			CRI2		
69			ICSA2		
70			ICSAB2		
71			CCOP7		
72			CCB7		
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					



-Peak Counts Output 12:23 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak		Koulsee
	1	18.020	18.049	18.045
	2	14.925	14.933	14.934
	4	2.780	2.787	2.782
	5	6.073	6.104	6.112
	6	14.122	14.136	14.146
	7	2.429	2.437	2.428
	8	1.500	1.500	1.508
	9	6.227	6.020	6.201
	10	18.772	18.811	18.812
	11	23.962	24.061	24.078
	13	9.831	9.840	9.852
	14	1.573	1.584	1.584
	15	2.813	2.811	2.793
	16	5.661	5.633	5.656
	17	5.741	5.716	5.761
	18	3.658	3.673	3.641
	19	3.368	3.370	3.372
	20	37.664	37.894	37.999
	21	3.636	3.608	3.637
	24	5.238	5.271	5.266
	27	0.166	0.167	0.167
	28	35.297	35.641	35.570

ckground Counts Output 12:23 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Koulsee
	1 BG2	0.607	

4	BG2	0.960
5	BG2	0.885
6	BG1	0.423
7	BG2	1.204
8	BG1	0.567
9	BG1	1.284
9	BG2	2.966
10	BG1	0.756
11	BG2	1.139
13	BG1	0.793
14	BG1	0.764
15	BG1	0.869
15	BG2	0.871
16	BG2	0.801

17	BG2	0.648
18	BG1	0.696
19	BG1	0.786
20	BG1	0.696
21	BG1	0.401
24	BG2	0.801

27 No Background Measurement Positions

28	BG2	1.052

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ple Id 1 : ICV Sample Id 2 : 2 12:23 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	1.017	10.191	1.009	1.016	10.175	0.986	1.051	1.021
.	0.001	0.004	0.002	0.004	0.009	0.004	0.006	0.028
.S.D.	0.091	0.035	0.196	0.397	0.090	0.398	0.597	2.712

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.411	10.248	1.022	0.200	1.015	0.524	1.031	0.988
.	0.001	0.028	0.001	0.002	0.006	0.002	0.005	0.005
.S.D.	0.128	0.274	0.118	0.804	0.568	0.308	0.443	0.550

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	10.008	1.019	0.828	0.960	0.167	1.028
.	0.008	0.004	0.005	0.004	0.001	0.005
.S.D.	0.076	0.433	0.573	0.410	0.346	0.528

Peak Counts Output 12:28 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte Channel On Peak Pulses

1	[illegible]	[illegible]	[illegible]
2	0.925	0.943	0.940
4	0.918	0.901	0.885
5	0.924	0.932	0.936
6	0.746	0.750	0.749
7	1.158	1.189	1.173
8	0.732	0.735	0.735
9	1.273	1.298	1.260
10	0.771	0.772	0.780
11	1.131	1.142	1.151
13	0.905	0.910	0.910
14	0.823	0.832	0.829
15	0.866	0.881	0.880
16	0.772	0.786	0.770
17	0.639	0.658	0.662
18	0.698	0.707	0.706
19	0.786	0.788	0.789
20	0.645	0.650	0.655
21	0.406	0.410	0.408
24	0.817	0.820	0.817
27	0.166	0.166	0.165
28	1.043	1.036	1.018

---

kground Counts Output 12:28 PM June 23, 1994
sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	Background Koulsee
1	BG2	0.684
2	BG2	0.922
4	BG2	0.901
5	BG2	0.934
6	BG1	0.434
7	BG2	1.166
8	BG1	0.570
9	BG1	1.232
9	BG2	1.654
10	BG1	0.590
11	BG2	1.141
13	BG1	0.829
14	BG1	0.797
15	BG1	0.891
15	BG2	0.885
16	BG2	0.780
17	BG2	0.664
18	BG1	0.702
19	BG1	0.821
20	BG1	0.640
21	BG1	0.412
24	BG2	0.821
27	No Background Measurement Positions	
28	BG2	1.013

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ple Id 1 : ICS Sample Id 2 : 3 12:28 PM 23/ 6/94

k name : 4POINT Sequence name : 4POINT Result File : P0623941

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	-0.001	-0.021	0.011	-0.004	-0.015	0.016	0.003	-0.006
.	0.000	0.007	0.009	0.001	0.002	0.012	0.002	0.008
.S.D.	18.901	34.034	78.590	27.792	10.347	78.850	69.580	136.491

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	-0.015	-0.001	0.001	-0.005	-0.000	-0.002	-0.016
.	0.000	0.004	0.000	0.001	0.004	0.001	0.002	0.002
.S.D.	114.492	29.752	41.615	91.436	81.927	782.799	108.425	13.262

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.003	-0.003	-0.102	-0.027	0.166	0.000
.	0.006	0.000	0.001	0.000	0.001	0.000
.S.D.	228.613	4.970	0.567	1.444	0.349	329.350

-Peak Counts Output 12:32 PM June 23, 1994

k name : 4POINT

ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Kpulses	
	1	0.647	0.654	0.653
	2	0.888	0.896	0.901
	4	1.096	1.106	1.139
	5	1.411	1.415	1.418
	6	0.727	0.731	0.734
	7	1.256	1.254	1.255
	8	0.715	0.717	0.721
	9	1.786	1.843	1.811
	10	1.204	1.204	1.208
	11	1.103	1.108	1.116
	13	1.329	1.334	1.336
	14	0.897	0.904	0.905
	15	1.100	1.081	1.101
	16	0.853	0.866	0.837
	17	1.178	1.172	1.145
	18	0.924	0.917	0.909
	19	0.756	0.757	0.760
	20	1.780	1.774	1.797
	21	0.409	0.411	0.406
	24	0.872	0.874	0.878
	27	0.166	0.166	0.165
	28	2.474	2.430	2.477

0199

kground Counts Output 12:32 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1 BG2	0.617	
	2 BG2	0.878	
	4 BG2	0.889	
	5 BG2	0.881	
	6 BG1	0.413	
	7 BG2	1.157	
	8 BG1	0.554	
	9 BG1	1.229	
	9 BG2	1.773	
	10 BG1	0.577	
	11 BG2	1.084	
	13 BG1	0.795	
	14 BG1	0.763	
	15 BG1	0.855	
	15 BG2	0.863	
	16 BG2	0.761	
	17 BG2	0.646	
	18 BG1	0.698	
	19 BG1	0.792	
	20 BG1	0.611	
	21 BG1	0.400	
	24 BG2	0.785	
	27 No Background Measurement Positions		
	28 BG2	1.036	

0200

ple Id 1 : CR11 Sample Id 2 : 4 12:32 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	-0.001	-0.019	0.134	0.101	-0.013	0.090	0.003	0.114
	0.000	0.005	0.012	0.001	0.003	0.005	0.004	0.007
.S.D.	35.512	25.882	9.172	0.682	20.923	5.155	141.702	6.136

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.010	-0.004	0.052	0.029	0.124	0.010	0.105	0.057
	0.000	0.003	0.000	0.001	0.006	0.002	0.004	0.003
.S.D.	6.515	72.856	0.798	3.857	4.753	15.606	3.389	4.443

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	-0.001	0.029	-0.099	-0.006	0.166	0.042
	0.009	0.000	0.001	0.001	0.001	0.001
.S.D.	627.586	1.091	0.735	11.213	0.349	1.882

-Peak Counts Output 12:37 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Koulsee
1	1.751	1.748	1.752
2	658.883	657.818	660.053
4	8.738	8.728	8.695
5	1.204	1.204	1.206
6	0.981	0.986	0.994
7	4.073	4.072	4.050
8	350.444	349.544	351.075
9	4.834	4.772	4.710
10	0.784	0.788	0.780
11	1060.068	1058.872	1061.043
13	1.076	1.078	1.073
14	0.855	0.858	0.856
15	1.817	1.806	1.824
16	1.795	1.778	1.767
17	0.830	0.825	0.807
18	0.882	0.876	0.890
19	0.770	0.771	0.769
20	3.841	3.860	3.910
21	579.451	577.162	578.489
24	1.127	1.134	1.133
27	0.166	0.165	0.165
28	3.073	3.073	3.087

<ground Counts Output 12:37 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Koulsee
1	BG2	0.632	
2	BG2	3.259	
4	BG2	16.043	
5	BG2	1.148	
6	BG1	0.413	
7	BG2	4.383	
8	BG1	2.088	
9	BG1	4.669	
9	BG2	4.984	
10	BG1	0.603	
11	BG2	3.748	
13	BG1	0.864	
14	BG1	0.830	
15	BG1	2.287	
15	BG2	1.522	

18	BG1	0.971
19	BG1	0.790
20	BG1	1.028
21	BG1	0.883
24	BG2	1.160
27	No Background Measurement Positions	
28	BG2	1.867

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ple Id 1 : ICSA1 Sample Id 2 : 5 12:37 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	-0.004	479.062	-3.974	0.003	0.180	-0.227	472.399	0.025
.	0.000	0.817	0.023	0.000	0.002	0.010	1.044	0.015
.S.D.	2.321	0.171	0.576	8.764	1.065	4.551	0.221	60.336

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	473.477	0.001	0.000	0.015	-0.011	0.001	-0.047
.	0.000	0.487	0.000	0.000	0.005	0.001	0.002	0.002
.S.D.	410.187	0.103	52.116	442.589	31.263	13.142	191.003	5.067

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.054	0.009	166.132	-0.032	0.165	0.002
.	0.004	0.001	0.331	0.001	0.001	0.000
.S.D.	7.142	11.662	0.199	2.601	0.349	11.368

Peak Counts Output 12:41 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
1	10.495	10.451	10.407
2	660.153	658.537	655.383
4	8.709	8.793	8.696
5	3.722	3.712	3.713
6	0.989	0.992	0.996
7	4.199	4.230	4.217
8	351.822	350.640	349.492
9	4.816	4.764	4.835
10	22.937	22.782	22.735
11	1059.458	1057.894	1057.711
13	5.618	5.591	5.575
14	6.115	6.099	6.109
15	3.649	3.707	3.653

17	3.197	3.191	3.204
18	3.624	3.589	3.617
19	0.768	0.769	0.774
20	21.395	21.394	21.278
21	579.219	577.483	576.561
24	3.249	3.231	3.244
27	0.164	0.165	0.165
28	35.173	35.193	35.089

---

ckground Counts Output 12:41 PM June 23, 1994
sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	Background Kpulses
1	BG2	0.637
2	BG2	3.273
4	BG2	15.985
5	BG2	1.150
6	BG1	0.415
7	BG2	4.373
8	BG1	2.113
9	BG1	4.702
9	BG2	5.687
10	BG1	0.838
11	BG2	3.742
13	BG1	0.871
14	BG1	0.835
15	BG1	2.296
15	BG2	1.601
16	BG2	1.263
17	BG2	0.843
18	BG1	0.989
19	BG1	0.793
20	BG1	1.068
21	BG1	0.867
24	BG2	1.170
27	No Background Measurement Positions	
28	BG2	1.904

---

ple Id 1 : ICSAB1 Sample Id 2 : 6 12:41 PM 23/ 6/94
sk name : 4POINT Secuence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.506	478.399	-3.956	0.494	0.185	-0.116	472.769	-0.060
J.	0.002	1.773	3.029	0.001	0.003	0.012	1.581	0.009
R.S.D.	0.479	0.371	0.728	0.216	1.446	10.711	0.334	15.076

	Be	Ca	Li	Ag	Pb	Cd	Co	Ni

	[illegible]	[illegible]	[illegible]	1.320	0.782	0.933	0.477	0.873
.	0.003	0.430	0.002	0.002	0.017	0.004	0.001	0.006
.S.D.	0.532	0.091	0.475	0.154	1.759	0.394	0.276	0.720

0204

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.043	0.489	165.957	0.432	0.165	0.959
.	0.012	0.002	0.389	0.002	0.001	0.002
.S.D.	28.359	0.355	0.235	0.475	0.351	0.167

Peak Counts Output 12:46 PM June 23, 1994

\ name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses
1	86.609	86.334	86.851
2	69.563	69.360	69.701
4	10.428	10.344	10.479
5	26.659	26.676	26.685
6	66.711	66.071	66.818
7	7.451	7.360	7.403
8	4.520	4.497	4.525
9	25.464	25.388	25.321
10	89.172	88.924	89.418
11	113.586	113.612	113.584
13	44.874	44.712	44.994
14	4.470	4.478	4.472
15	10.577	10.509	10.513
16	24.122	24.162	24.193
17	25.694	25.406	25.594
18	14.999	15.012	15.102
19	13.942	13.809	13.929
20	183.071	182.917	182.582
21	16.049	16.004	16.112
24	22.632	22.670	22.637
27	0.165	0.166	0.165
28	169.292	169.655	169.447

---

ground Counts Output 12:46 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	Background	Kpulses
1	BG2	0.660	
2	BG2	1.191	
4	BG2	1.166	
5	BG2	0.935	
6	BG1	0.472	

9	BG1	1.470
9	BG2	8.117
10	BG1	1.504
11	BG2	1.374
13	BG1	0.840
14	BG1	0.811
15	BG1	0.956
15	BG2	0.946
16	BG2	0.944
17	BG2	0.714
18	BG1	0.815
19	BG1	0.809
20	BG1	1.100
21	BG1	0.422
24	BG2	0.876
27	No Background Measurement Positions	
28	BG2	1.146

---

ple Id 1 : DDVP1 Sample Id 2 : 7 12:46 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	5.027	49.913	5.072	5.035	49.993	4.917	5.016	5.069
	0.015	0.125	0.037	0.003	0.307	0.036	0.020	0.018
.S.D.	0.301	0.251	0.735	0.051	0.615	0.736	0.404	0.347

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	2.014	50.291	5.010	4.918	5.021	2.507	5.033	4.811
	0.006	0.007	0.016	0.001	0.020	0.004	0.029	0.019
.S.D.	0.282	0.014	0.322	0.114	0.398	0.153	0.584	0.396

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	50.146	4.997	4.799	4.788	0.165	5.028
	0.280	0.007	0.016	0.005	0.001	0.005
.S.D.	0.559	0.138	0.355	0.095	0.349	0.108

Peak Counts Output 12:50 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Or Peak	Kpulses	
	1	0.674	0.669	0.674
	2	0.927	0.914	0.926
	4	0.875	0.883	0.882

7	1.126	1.113	1.120
8	0.731	0.727	0.726
9	1.259	1.220	1.243
10	0.767	0.761	0.768
11	1.122	1.117	1.133
13	0.891	0.890	0.893
14	0.803	0.800	0.807
15	0.849	0.836	0.865
16	0.759	0.762	0.760
17	0.643	0.635	0.644
18	0.688	0.684	0.675
19	0.775	0.772	0.777
20	0.646	0.627	0.650
21	0.412	0.414	0.415
24	0.793	0.792	0.801
27	0.166	0.166	0.165
28	1.024	1.020	1.029

---

kground Counts Output 12:50 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte Channel Background Koulsee

1	BG2	0.633	
2	BG2	0.890	
4	BG2	0.902	
5	BG2	0.896	
6	BG1	0.425	
7	BG2	1.176	
8	BG1	0.559	
9	BG1	1.220	
9	BG2	1.659	
10	BG1	0.583	
11	BG2	1.100	
13	BG1	0.817	
14	BG1	0.781	
15	BG1	0.866	
15	BG2	0.875	
16	BG2	0.769	
17	BG2	0.655	
18	BG1	0.701	
19	BG1	0.811	
20	BG1	0.619	
21	BG1	0.406	
24	BG2	0.797	
27	No Background Measurement Positions		
28	BG2	1.014	

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ple Id 1 : CCB1 Sample Id 2 : 8 12:51 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941

Peak Integrations : 3 Off-Peak Integrations : 1

10207

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	-0.000	-0.007	-0.001	-0.002	-0.021	-0.035	0.010	-0.011
.	0.000	0.005	0.003	0.001	0.002	0.005	0.004	0.005
.S.D.	51.024	72.326	461.070	28.497	7.492	14.785	35.327	44.843

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	-0.004	-0.001	-0.001	-0.010	0.000	-0.003	-0.023
.	0.000	0.004	0.000	0.001	0.008	0.001	0.001	0.002
.S.D.	164.000	31.849	12.794	96.088	78.940	21706.636	33.633	9.734

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	-0.009	-0.002	-0.099	-0.026	0.166	-0.000
.	0.010	0.000	0.000	0.001	0.001	0.000
.S.D.	107.938	13.874	0.445	4.188	0.349	28.765

Peak Counts Output 12:55 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lvte	Channel	On Peak	Kpulses	
	1	0.875	0.872	0.876
	2	0.914	0.916	0.920
	4	0.876	0.896	0.872
	5	0.903	0.909	0.906
	6	0.742	0.740	0.742
	7	1.126	1.131	1.167
	8	0.725	0.725	0.726
	9	1.277	1.276	1.241
	10	0.760	0.761	0.762
	11	1.128	1.131	1.127
	13	0.890	0.893	0.898
	14	0.806	0.806	0.809
	15	0.855	0.833	0.845
	16	0.743	0.754	0.762
	17	0.647	0.627	0.636
	18	0.692	0.674	0.691
	19	0.781	0.779	0.777
	20	0.634	0.638	0.649
	21	0.404	0.409	0.416
	24	0.798	0.795	0.801
	27	0.164	0.164	0.165
	28	1.029	1.035	1.014

---

rground Counts Output 12:55 PM June 23, 1994
k name : 4POINT

Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Koulses
	1 BG2	0.634	
	2 BG2	0.894	
	4 BG2	0.716	
	5 BG2	0.897	
	6 BG1	0.426	
	7 BG2	1.205	
	8 BG1	0.564	
	9 BG1	1.224	
	9 BG2	1.618	
	10 BG1	0.583	
	11 BG2	1.122	
	13 BG1	0.822	
	14 BG1	0.793	
	15 BG1	0.862	
	15 BG2	0.839	
	16 BG2	0.763	
	17 BG2	0.660	
	18 BG1	0.701	
	19 BG1	0.817	
	20 BG1	0.607	
	21 BG1	0.408	
	24 BG2	0.795	
	27 No Background Measurement Positions		
	28 BG2	1.045	

0208

mple Id 1 : 1646 Sample Id 2 : 12:55 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	-0.000	-0.014	-0.008	-0.002	-0.015	-0.041	-0.000	-0.000
D.	0.000	0.002	0.007	0.001	0.001	0.018	0.001	0.005
R.S.D.	44.712	15.532	91.833	31.080	6.040	43.569	325.526	4641.367

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	-0.000	-0.012	-0.002	-0.003	0.007	-0.001	-0.005	-0.022
D.	0.000	0.001	0.000	0.000	0.010	0.001	0.002	0.003
R.S.D.	49.387	7.616	27.665	14.468	156.358	120.160	42.324	15.546

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	-0.015	-0.002	-0.101	-0.025	0.164	-0.001
D.	0.008	0.000	0.002	0.001	0.001	0.001
R.S.D.	50.022	10.027	1.726	2.634	0.351	59.937

mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Kpulses
1	26.236	26.100	26.102
2	14.031	13.973	13.985
4	2.402	2.354	2.363
5	3.024	3.021	3.041
6	5.864	5.900	5.863
7	1.906	1.885	1.900
8	17.655	17.648	17.646
9	2.386	2.359	2.439
10	21.323	21.244	21.297
11	43.826	43.852	43.962
13	6.424	6.399	6.404
14	3.501	3.520	3.524
15	2.397	2.382	2.370
16	5.938	5.911	6.033
17	3.225	3.231	3.189
18	3.083	3.099	3.097
19	3.976	3.989	3.962
20	38.877	38.916	39.132
21	136.534	135.994	136.135
24	4.198	4.195	4.195
27	0.165	0.164	0.165
28	21.391	21.405	21.471

kground Counts Output 12:59 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
1	BG2	0.620	
2	BG2	0.945	
4	BG2	2.063	
5	BG2	0.880	
6	BG1	0.416	
7	BG2	1.452	
8	BG1	0.620	
9	BG1	1.415	
9	BG2	2.344	
10	BG1	0.887	
11	BG2	1.166	
13	BG1	1.298	
14	BG1	0.763	
15	BG1	0.924	
15	BG2	0.868	
16	BG2	0.806	
17	BG2	0.653	
18	BG1	0.726	
19	BG1	0.765	

24 BG2 0.803
27 No Background Measurement Positions
28 BG2 1.109

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ple Id 1 : 1647 Sample Id 2 : 1[illegible] 1:00 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	1.476	9.506	0.181	0.416	3.903	0.364	22.891	0.162
.	0.005	0.022	0.014	0.002	0.014	0.009	0.006	0.010
.S.D.	0.307	0.235	7.716	0.508	0.362	2.365	0.028	6.149

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.465	19.133	0.570	[illegible]	0.793	0.540	0.518	0.787
.	0.001	0.032	0.002	[illegible]	0.006	0.007	0.005	0.003
.S.D.	0.199	0.167	0.264	0.451	0.730	1.282	0.889	0.376

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	12.315	1.034	38.9[illegible]	0.724	0.165	0.598
.	0.052	0.004	0.081	0.[illegible]00	0.001	0.001
.S.D.	0.419	0.367	0.207	0.053	0.351	0.214

Peak Counts Cutout 1:04 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte	Channel	On Peak	Kpulses
1	8.252	8.310	8.362
2	20.663	20.769	20.872
4	1.514	1.498	1.530
5	1.236	1.226	1.230
6	1.966	1.963	1.970
7	1.426	1.397	1.434
8	26.330	26.464	26.590
9	1.493	1.501	1.494
10	0.829	0.825	0.829
11	46.162	46.314	46.840
13	1.469	1.468	1.479
14	0.790	0.784	0.787
15	1.077	1.051	1.083
16	1.070	1.083	1.095
17	0.852	0.844	0.840
18	0.947	0.938	0.937
19	1.264	1.265	1.261

24	1.022	1.016	1.024
27	0.165	0.166	0.165
28	9.685	9.631	9.754

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ckground Counts Output 1:04 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	Background	Kpulses
	1	BG2	0.617
	2	BG2	1.016
	4	BG2	3.660
	5	BG2	0.902
	6	BG1	0.411
	7	BG2	1.608
	8	BG1	0.662
	9	BG1	1.433
	9	BG2	1.921
	10	BG1	0.613
	11	BG2	1.190
	13	BG1	1.025
	14	BG1	0.768
	15	BG1	0.953
	15	BG2	0.944
	16	BG2	0.803
	17	BG2	0.678
	18	BG1	0.739
	19	BG1	0.787
	20	BG1	0.834
	21	BG1	0.580
	24	BG2	0.827
	27	No Background Measurement Positions	
	28	BG2	1.178

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ple Id 1 : 1625 Sample Ic 2 : 11 1:04 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.417	14.402	-0.834	0.058	0.929	-0.140	34.792	-0.007
.	0.003	0.076	0.009	0.001	0.004	0.015	0.175	0.001
.S.D.	0.663	0.530	1.049	1.700	0.420	11.019	0.507	16.306

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	20.239	0.035	-0.002	0.087	-0.003	0.334	0.056
.	0.000	0.109	0.001	0.001	0.007	0.001	0.001	0.002
.S.D.	6.667	1.541	1.549	42.930	9.511	42.001	3.894	3.681

	(ppm)	(ppm)	(ppm)	(ppm)	(KPulses)	(ppm)
n	1.943	2.419	77.115	0.017	0.165	0.238
.	0.009	0.011	0.448	0.001	0.001	0.002
.S.D.	0.416	0.465	0.581	5.424	0.349	0.753

-Peak Counts Output 1:08 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
1	2.370	2.338	2.297
2	5.445	5.362	5.273
4	1.011	1.006	1.009
5	0.964	0.955	0.950
6	1.036	1.029	1.020
7	1.204	1.206	1.182
8	6.596	6.492	6.355
9	1.303	1.299	1.300
10	0.767	0.765	0.763
11	11.423	11.184	10.948
13	1.010	1.000	1.003
14	0.789	0.781	0.779
15	0.897	0.890	0.893
16	0.832	0.804	0.819
17	0.692	0.686	0.677
18	0.746	0.741	0.746
19	0.881	0.874	0.873
20	20.670	20.446	20.120
21	61.183	60.104	58.614
24	0.837	0.835	0.824
27	0.166	0.166	0.166
28	3.055	3.077	2.978

---

kground Counts Output 1:08 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background	Kpulses
1	BG2	0.615	
2	BG2	0.859	
4	BG2	1.322	
5	BG2	0.872	
6	BG1	0.415	
7	BG2	1.223	
8	BG1	0.377	
9	BG1	1.238	
9	BG2	1.671	

```
          13 BG1      0.856
          14 BG1      0.766
          15 BG1      0.831
          15 BG2      0.855
          16 BG2      0.756
          17 BG2      0.642
          18 BG1      0.697
          19 BG1      0.795
          20 BG1      0.673
          21 BG1      0.458
          24 BG2      0.785
          27 No Background Measurement Positions
          28 BG2      1.042
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mple Id 1 : 1625L                Sample Id 2 : 12                    1:09 PM 23/ 6/94
sk name : 4POINT    Sequence name : 4POINT   Result File : P0623941
mple Weight :     1.0000  Solution Volume :       1.00
-Peak Integrations :  3   Off-Peak Integrations :  1
```

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.091	3.236	-0.160	0.012	0.211	-0.008	7.793	-0.005
D.	0.002	0.063	0.001	0.001	0.006	0.011	0.164	0.001
R.S.D.	2.186	1.942	0.860	11.155	2.886	128.799	2.105	23.983

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.000	4.510	0.006	-0.002	0.021	-0.001	0.009	-0.001
D.	0.000	0.106	0.001	0.001	0.002	0.001	0.002	0.001
R.S.D.	101.257	2.361	10.011	58.872	9.295	234.574	17.925	120.129

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	0.440	0.535	17.029	-0.015	0.166	0.055
D.	0.017	0.010	0.371	0.002	0.000	0.001
R.S.D.	3.790	1.907	2.181	10.013	0.000	2.698

```
-Peak Counts Output        1:13 PM June 23, 1994
sk name : 4POINT
mple Weight :     1.0000  Solution Volume :       1.00
-Peak Integrations :  3   Off-Peak Integrations :  1
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alyte	Channel	On Peak	Kpulses
	1	4.043	4.057	4.072
	2	36.336	36.563	36.672
	4	1.218	1.223	1.210
	5	1.169	1.163	1.169
	6	2.292	2.299	2.298
	7	1.336	1.310	1.349
	8	13.810	13.867	13.904

10	0.788	0.790	0.790
11	1340.838	1346.400	1351.635
13	1.635	1.642	1.640
14	0.795	0.799	0.798
15	1.007	1.000	0.985
16	0.962	0.983	0.968
17	0.782	0.779	0.804
18	0.921	0.925	0.934
19	1.066	1.066	1.063
20	63.438	63.585	63.818
21	153.877	154.299	155.316
24	1.026	1.028	1.031
27	0.166	0.166	0.166
28	8.443	8.533	8.464

---

kground Counts Output 1:13 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background	Koulsee
1	BG2	0.622	
2	BG2	1.148	
4	BG2	2.105	
5	BG2	0.988	
6	BG1	0.411	
7	BG2	1.410	
8	BG1	0.669	
9	BG1	1.374	
9	BG2	1.808	
10	BG1	0.585	
11	BG2	4.301	
13	BG1	0.876	
14	BG1	0.778	
15	BG1	0.964	
15	BG2	0.912	
16	BG2	0.804	
17	BG2	0.689	
18	BG1	0.770	
19	BG1	0.788	
20	BG1	0.820	
21	BG1	0.520	
24	BG2	0.931	
27	No Background Measurement Positions		
28	BG2	1.159	

---

ple Id 1 : 1626 Sample Id 2 : 13 1:13 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ba	Mg	As	V	Na	Se	Al	Sb

	0.001	0.053	0.004	0.001	0.003	0.020	0.064	0.003
.S.D.	0.424	0.203	0.756	2.249	0.244	41.770	0.363	24.091

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	601.570	0.074	-0.001	0.048	-0.001	0.020	0.036
.	0.000	2.420	0.000	0.000	0.006	0.001	0.003	0.002
.S.D.	4.750	0.402	0.548	10.210	12.072	147.959	13.788	6.227

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.189	1.707	44.222	-0.004	0.166	0.209
.	0.007	0.005	0.213	0.001	0.000	0.001

.S.D.	0.557	0.304	0.482	12.854	0.000	0.637

Peak Counts Output 1:17 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Koulsee
1	10.108	10.100	10.070
2	20.878	20.865	20.775
4	1.699	1.712	1.697
5	1.322	1.332	1.340
6	1.944	1.945	1.926
7	1.521	1.535	1.548
8	33.873	33.843	33.721
9	1.614	1.603	1.615
10	0.849	0.856	0.851
11	32.039	32.101	32.076
13	1.571	1.577	1.574
14	0.797	0.797	0.797
15	1.080	1.084	1.078
16	1.215	1.185	1.222
17	0.873	0.870	0.883
18	1.042	1.030	1.027
19	1.235	1.235	1.233
20	112.432	112.829	112.613
21	367.107	367.502	365.696
24	1.133	1.142	1.138
27	0.166	0.166	0.167
28	11.671	11.789	11.710

---

ground Counts Output 1:18 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	Background	Koulsee

2	BG2	1.038
4	BG2	3.729
5	BG2	0.943
6	BG1	0.413
7	BG2	1.739
8	BG1	0.669
9	BG1	1.543
9	BG2	2.067
10	BG1	0.583
11	BG2	1.163
13	BG1	0.886
14	BG1	0.768
15	BG1	1.020
15	BG2	0.929
16	BG2	0.816
17	BG2	0.692
18	BG1	0.762
19	BG1	0.790
20	BG1	0.941
21	BG1	0.843
24	BG2	0.840

27 No Background Measurement Positions

28	BG2	1.191

---

ple Id 1 : 1627 Sample Id 2 : 14 1:18 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.510	14.438	-1.097	0.077	0.906	-0.153	44.731	-0.010
.	0.001	0.041	0.004	0.002	0.008	0.011	0.109	0.002
.S.D.	0.211	0.284	0.406	2.297	0.898	7.033	0.244	16.366

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.002	13.841	0.060	-0.000	0.095	-0.003	0.037	0.068
.	0.000	0.014	0.000	0.001	0.002	0.002	0.001	0.003
.S.D.	4.052	0.101	0.564	1795.621	1.782	79.008	3.720	3.944

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.828	3.028	105.291	0.040	0.166	0.293
.	0.004	0.005	0.273	0.001	0.001	0.002
.S.D.	0.241	0.180	0.260	2.495	0.347	0.606

Peak Counts Output 1:22 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Analyte	Channel	On Peak	Kpulses	
1		4.657	4.663	4.655
2		56.441	56.412	56.372
4		1.324	1.294	1.299
5		1.123	1.136	1.130
6		2.229	2.232	2.244
7		1.370	1.344	1.325
8		17.820	17.824	17.797
9		1.421	1.451	1.440
10		0.791	0.792	0.751
11		317.270	317.313	316.875
13		1.716	1.719	1.719
14		0.787	0.792	0.794
15		0.959	0.974	0.974
16		1.021	0.993	1.019
17		0.784	0.796	0.799
18		0.918	0.913	0.927
19		1.073	1.079	1.077
20		60.020	59.859	59.945
21		200.065	200.469	200.030
24		0.987	0.987	0.993
27		0.166	0.166	0.166
28		11.310	11.397	11.467

kground Counts Output 1:22 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
1	BG2	0.615	
2	BG2	1.166	
4	BG2	2.415	
5	BG2	0.921	
6	BG1	0.411	
7	BG2	1.493	
8	BG1	0.644	
9	BG1	1.399	
9	BG2	1.813	
10	BG1	0.584	
11	BG2	1.817	
13	BG1	0.864	
14	BG1	0.771	
15	BG1	0.955	
15	BG2	0.926	
16	BG2	0.813	
17	BG2	0.672	
18	BG1	0.750	
19	BG1	0.790	
20	BG1	0.801	
21	BG1	0.548	
24	BG2	0.854	
27	No Background Measurement Positions		

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ple Id 1 : 1628 Sample Id 2 : 15 1:22 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.211	40.335	-0.596	0.036	1.133	-0.107	23.081	-0.003
.	0.000	0.025	0.009	0.001	0.006	0.018	0.020	0.004
.S.D.	0.102	0.063	1.476	3.582	0.533	16.816	0.086	115.677

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	141.418	0.083	-0.002	0.037	-0.003	0.025	0.041
.	0.000	0.211	0.000	0.001	0.005	0.002	0.002	0.002
.S.D.	2.114	0.149	0.236	60.211	12.385	55.564	6.912	5.932

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.225	1.601	57.367	0.004	0.166	0.294
.	0.012	0.002	0.070	0.001	0.000	0.002
.S.D.	0.954	0.140	0.122	19.151	0.000	0.799

Peak Counts Output 1:26 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
	1	12.765	12.779	12.746
	2	16.383	16.440	16.383
	4	1.656	1.604	1.607
	5	1.295	1.288	1.297
	6	1.879	1.889	1.872
	7	1.450	1.456	1.476
	8	29.606	29.697	29.594
	9	1.562	1.540	1.569
	10	0.846	0.841	0.843
	11	26.532	26.450	26.461
	13	1.739	1.745	1.743
	14	0.789	0.782	0.789
	15	1.137	1.137	1.148
	16	1.128	1.143	1.151
	17	0.887	0.877	0.857
	18	0.998	0.985	0.989
	19	1.362	1.373	1.365
	20	116.249	115.923	115.928
	21	324.971	324.729	324.123
	24	1.086	1.081	1.085
	27	0.165	0.166	0.166

kground Counts Output 1:27 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background Kpulses
1	BG2	0.628
2	BG2	1.015
4	BG2	3.368
5	BG2	0.907
6	BG1	0.416
7	BG2	1.646
8	BG1	0.677
9	BG1	1.548
9	BG2	2.006
10	BG1	0.595
11	BG2	1.145
13	BG1	0.941
14	BG1	0.772
15	BG1	0.979
15	BG2	0.916
16	BG2	0.816
17	BG2	0.663
18	BG1	0.758
19	BG1	0.792
20	BG1	0.937
21	BG1	0.617
24	BG2	0.843
27	No Background Measurement Positions	
28	BG2	1.192

ple Id 1 : 1629 Sample Id 2 : 16 1:27 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P06Z3941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.671	11.212	-0.944	0.069	0.859	-0.138	39.075	-0.016
.	0.301	0.024	0.016	0.001	0.006	0.011	0.076	0.004
.S.D.	0.139	0.214	1.692	1.338	0.756	7.869	0.196	23.206

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.002	11.342	0.074	-0.003	0.136	-0.005	0.042	0.062
.	0.000	0.020	0.000	0.001	0.003	0.001	0.003	0.002
.S.D.	3.853	1.176	0.478	35.697	2.417	26.163	7.439	3.640

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	2.307	2.127	97.162	0.027	0.166	0.313

.3.0. 0.797 0.133 0.133 2.132 0.349 0.310

Peak Counts Output 1:31 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
	1	5.696	5.722	5.722
	2	25.280	25.358	25.352
	4	1.345	1.344	1.287
	5	1.136	1.134	1.137
	6	2.040	2.040	2.031
	7	1.371	1.377	1.400
	8	18.646	18.688	18.702
	9	1.444	1.479	1.445
	10	0.782	0.787	0.786
	11	106.170	106.629	106.569
	13	1.689	1.697	1.695
	14	0.790	0.787	0.787
	15	1.001	0.969	0.970
	16	1.037	1.032	1.026
	17	0.801	0.789	0.772
	18	0.892	0.907	0.915
	19	1.130	1.130	1.132
	20	66.705	66.987	66.916
	21	223.756	224.930	224.758
	24	0.956	0.951	0.958
	27	0.166	0.165	0.166
	28	9.566	9.568	9.512

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kground Counts Output 1:31 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background	Kpulses
1	BG2	0.616	
2	BG2	1.023	
4	BG2	2.554	
5	BG2	0.895	
6	BG1	0.416	
7	BG2	1.457	
8	BG1	0.640	
9	BG1	1.416	
9	BG2	1.850	
10	BG1	0.583	
11	BG2	1.335	
13	BG1	0.678	
14	BG1	0.773	

16	BG2	0.802
17	BG2	0.697
18	BG1	0.768
19	BG1	0.795
20	BG1	0.820
21	BG1	0.544
24	BG2	0.824
27	No Background Measurement Positions	
28	BG2	1.123

---

ple Id 1 : 1630 Sample Id 2 : 17 1:31 PM 23/ 6/94

k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.270	17.730	-0.661	0.042	0.979	-0.049	24.260	-0.007
	0.001	0.032	0.018	0.000	0.004	0.012	0.040	0.005
.S.D.	0.299	0.179	2.748	0.724	0.404	24.688	0.163	73.877

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	47.108	0.078	-0.003	0.066	-0.003	0.018	0.030
	0.000	0.112	0.000	0.000	0.009	0.001	0.003	0.004
.S.D.	12.040	0.237	0.591	15.763	14.408	24.523	16.191	13.432

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.413	1.789	64.361	0.003	0.166	0.238
	0.004	0.004	0.183	0.001	0.001	0.001
.S.D.	0.312	0.222	0.284	25.593	0.349	0.492

Peak Counts Output 1:35 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	On Peak	Kpulses
1	12.460	12.526	12.443
2	16.130	16.210	16.136
4	1.684	1.671	1.662
5	1.321	1.319	1.322
6	1.949	1.955	1.951
7	1.507	1.471	1.464
8	31.364	31.516	31.364
9	1.607	1.564	1.536
10	0.854	0.856	0.854
11	32.031	32.117	32.066
13	1.619	1.624	1.618

16	1.170	1.182	1.163
17	0.889	0.882	0.883
18	1.003	0.986	0.999
19	1.349	1.347	1.348
20	124.493	124.606	123.996
21	345.717	347.870	345.869
24	1.089	1.090	1.090
27	0.165	0.165	0.165
28	11.681	11.616	11.642

kground Counts Output 1:36 PM June 23, 1994

k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte Channel	Background Kounts
1 BG2	0.621
2 BG2	1.014
4 BG2	3.589
5 BG2	0.903
6 BG1	0.412
7 BG2	1.727
8 BG1	0.690
9 BG1	1.529
9 BG2	2.017
10 BG1	0.588
11 BG2	1.165
13 BG1	0.873
14 BG1	0.766
15 BG1	0.986
15 BG2	0.909
16 BG2	0.838
17 BG2	0.686
18 BG1	0.767
19 BG1	0.738
20 BG1	0.953
21 BG1	0.632
24 BG2	0.840
27 No Background Measurement Positions	
28 BG2	1.196

ple Id 1 : 1631 Sample Id 2 : 18 1:36 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.652	11.035	-1.037	0.076	0.917	-0.186	41.476	-0.012
.	0.002	0.033	1.006	0.001	0.002	0.018	0.119	0.009
.S.D.	0.373	0.299	0.583	1.314	0.253	9.860	0.287	71.916

	Be (ppm)	Ca (ppm)	Cd (ppm)	Mg (ppm)	Pb (ppm)	Co (ppm)	Cu (ppm)	Ni (ppm)
n	0.002	13.839	0.067	-0.001	0.141	-0.007	0.040	0.061
.	0.000	0.019	0.000	0.001	0.010	0.001	0.001	0.003
.S.D.	1.333	0.140	0.504	108.403	6.951	13.871	1.909	4.959

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	2.271	3.357	99.455	0.029	0.165	0.292
.	0.004	0.009	0.346	0.000	0.001	0.001
.S.D.	0.168	0.264	0.348	0.435	0.349	0.355

-Peak Counts Output 1:40 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Kpulses	
	1	86.399	86.902	86.868
	2	69.232	69.551	69.528
	4	10.521	10.446	10.528
	5	26.867	26.681	26.777
	6	65.782	66.406	65.851
	7	7.457	7.439	7.398
	8	4.499	4.515	4.508
	9	25.440	25.419	25.421
	10	88.679	89.101	89.096
	11	114.115	114.175	114.345
	13	44.584	44.938	44.858
	14	4.499	4.492	4.505
	15	10.537	10.566	10.673
	16	24.244	24.369	24.376
	17	25.668	25.640	25.699
	18	15.145	15.099	15.087
	19	13.754	13.837	13.732
	20	183.061	183.111	183.987
	21	16.113	16.203	16.226
	24	22.789	22.785	22.875
	27	0.165	0.165	0.165
	28	169.995	170.496	170.720

---

kground Counts Output 1:40 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Koulees
	1 BG2	0.658	
	2 BG2	1.187	
	4 BG2	1.151	

	7 BG2	1.225
	8 BG1	0.867
	9 BG1	1.532
	9 BG2	3.431
	10 BG1	1.515
	11 BG2	1.367
	13 BG1	0.842
	14 BG1	0.813
	15 BG1	0.964
	15 BG2	0.945
	16 BG2	0.939
	17 BG2	0.704
	18 BG1	0.909
	19 BG1	0.804
	20 BG1	1.087
	21 BG1	0.433
	24 BG2	0.873

27 No Background Measurement Positions

	28 BG2	1.157

---

ple Id 1 : CCVP2 Sample Id 2 : 19 1:40 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	5.035	49.840	5.125	5.043	49.597	4.945	4.992	5.030
).	0.016	0.130	0.025	0.012	0.260	0.024	0.011	0.003
R.S.D.	0.327	0.261	0.485	0.232	0.525	0.486	0.218	0.057

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	2.009	50.600	5.002	0.924	5.051	2.526	5.056	4.838
).	0.006	0.104	0.021	0.002	0.038	0.008	0.006	0.010
R.S.D.	0.278	0.206	0.423	0.178	0.743	0.317	0.118	0.215

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	49.710	5.012	4.432	4.827	0.165	5.055
).	0.212	0.014	0.017	0.011	0.000	0.011
R.S.D.	0.426	0.286	0.386	0.233	0.000	0.219

-Peak Counts Output 1:45 PM June 23, 1994
sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	On Peak	Kpulses	
	1	0.664	0.661	0.664

4	0.877	0.882	0.888
5	0.883	0.878	0.888
6	0.699	0.697	0.698
7	1.126	1.097	1.174
8	0.715	0.717	0.719
9	1.226	1.222	1.204
10	0.757	0.756	0.755
11	1.122	1.120	1.123
13	0.878	0.878	0.879
14	0.785	0.787	0.783
15	0.849	0.855	0.848
16	0.745	0.733	0.748
17	0.645	0.648	0.630
18	0.697	0.675	0.665
19	0.760	0.757	0.759
20	0.650	0.625	0.655
21	0.426	0.425	0.423
24	0.784	0.781	0.785
27	0.165	0.165	0.166
28	1.029	1.071	1.073

---

ground Counts Output 1:45 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Byte	Channel	Background	Kpulses
1	BG2	0.617	
2	BG1	0.865	
4	BG2	0.903	
5	BG2	0.866	
6	BG1	0.414	
7	BG2	1.149	
8	BG1	0.555	
9	BG1	1.216	
9	BG2	1.538	
10	BG1	0.569	
11	BG2	1.077	
13	BG1	0.793	
14	BG1	0.761	
15	BG1	0.864	
15	BG2	0.849	
16	BG2	0.744	
17	BG2	0.639	
18	BG1	0.680	
19	BG1	0.795	
20	BG1	0.604	
21	BG1	0.399	
24	BG2	0.781	
27	No Background Measurement Positions		
28	BG2	1.057	

---

k name : 4POINT Sequence Name : 4POINT Result File : FWB20941

ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	Ae (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.000	-0.007	-0.007	-0.000	-0.038	-0.003	0.031	-0.007
).	0.000	0.004	0.004	0.001	0.001	0.031	0.003	0.003
R.S.D.	178.167	55.064	56.616	302.471	1.982	896.237	405.741	39.913

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.000	0.005	-0.000	-0.001	-0.002	0.000	0.000	-0.017
).	0.000	0.001	0.000	0.001	0.002	0.001	0.002	0.006

R.S.D.	14.337	15.747	61.313	100.594	101.474	20213.964	578.619	32.266

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	-0.009	-0.002	-0.054	-0.025	0.165	-0.001
.	0.006	0.000	0.000	0.000	0.001	0.001
R.S.D.	65.516	22.541	0.470	1.817	0.349	97.930

-Peak Counts Output 1:49 PM June 23, 1994

k name : 4POINT

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses
1	8.512	8.502	8.587
2	28.253	28.221	28.459
4	1.398	1.391	1.387
5	1.188	1.194	1.187
6	2.257	2.242	2.252
7	1.378	1.385	1.350
8	18.873	18.836	18.988
9	1.433	1.472	1.479
10	0.815	0.818	0.816
11	64.911	64.952	65.114
13	2.187	2.135	2.194
14	0.791	0.794	0.783
15	1.055	1.060	1.046
16	1.096	1.085	1.095
17	0.842	0.834	0.811
18	1.042	1.043	1.017
19	1.294	1.294	1.294
20	175.966	176.162	176.517
21	267.470	267.691	269.403
24	1.007	1.015	1.004
27	0.165	0.165	0.165
28	13.563	13.543	13.673

sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Kpulses
	1 BG2	0.616	
	2 BG2	1.045	
	4 BG2	2.758	
	5 BG2	0.900	
	6 BG1	0.411	
	7 BG2	1.566	
	8 BG1	0.637	
	9 BG1	1.375	
	9 BG2	1.872	
	10 BG1	0.594	
	11 BG2	1.234	
	13 BG1	0.908	
	14 BG1	0.762	
	15 BG1	0.930	
	15 BG2	0.887	
	16 BG2	0.803	
	17 BG2	0.852	
	18 BG1	0.746	
	19 BG1	0.783	
	20 BG1	1.064	
	21 BG1	0.582	
	24 BG2	0.828	
	27 No Background Measurement Positions		
	28 BG2	1.191	

ple Id 1 : 1632 Sample Id 2 : 21 1:49 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.430	19.892	-0.734	0.051	1.145	-0.145	24.562	-0.002
.	0.003	0.094	0.003	0.001	0.006	0.015	0.108	0.006
.S.D.	0.605	0.474	0.415	1.468	0.508	10.139	0.438	307.862

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	28.566	0.130	0.000	0.105	-0.002	0.036	0.081
.	0.000	0.048	0.001	0.001	0.004	0.001	0.003	0.005
.S.D.	3.610	0.168	0.397	422.727	3.450	37.485	9.110	6.183

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (XPulses)	Zn (ppm)
an	2.083	4.786	76.971	0.014	0.165	0.354
.	0.000	0.008	0.305	0.001	0.000	0.002
R.S.D.	0.000	0.152	0.396	8.919	0.000	0.574

-Peak Counts Output 1:54 PM June 23, 1994
ek name : 4POINT
nple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

elvte	Channel	On Peak	Kpulses	
	1	5.335	5.338	5.335
	2	28.438	28.495	28.467
	4	2.421	2.420	2.444
	5	1.191	1.193	1.194
	6	2.086	2.086	2.099
	7	1.323	1.295	1.336
	8	12.184	12.219	12.207
	9	1.417	1.451	1.441
	10	0.803	0.803	0.800
	11	396.774	397.196	397.867
	13	2.079	2.079	2.080
	14	0.795	0.792	0.796
	15	1.240	1.254	1.224
	16	1.138	1.132	1.121
	17	0.777	0.774	0.772
	18	0.898	0.886	0.904
	19	1.178	1.174	1.181
	20	63.560	63.603	63.601
	21	214.887	215.122	215.553
	24	1.353	1.352	1.349
	27	0.165	0.165	0.166
	28	11.298	11.106	11.089

kground Counts Output 1:54 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lvte	Channel	Background	Kpulses
	1 BG2	0.624	
	2 BG2	1.070	
	4 BG2	2.292	
	5 BG2	0.529	
	6 BG1	0.489	
	7 BG2	1.429	
	8 BG1	0.629	
	9 BG1	1.351	
	9 BG2	1.801	
	10 BG1	0.619	
	11 BG2	2.070	
	13 BG1	0.986	
	14 BG1	0.771	
	15 BG1	0.917	
	15 BG2	0.916	
	16 BG2	0.797	
	17 BG2	0.667	

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17 BG1      0.780
20 BG1      0.801
21 BG1      0.542
24 BG2      0.864
27 No Background Measurement Positions
28 BG2      1.148
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ple Id 1 : 1633 Sample Id 2 : 22 1:54 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.249	19.988	0.086	0.046	1.024	-0.079	15.488	0.001
.	0.000	0.021	0.007	0.000	0.006	0.017	0.024	0.004
.S.D.	0.046	0.104	9.648	0.642	0.557	21.234	0.156	355.549

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	177.166	0.110	-0.001	0.191	0.010	0.022	0.032
.	0.000	0.247	0.000	0.001	0.008	0.001	0.001	0.003
.S.D.	14.464	0.139	0.053	78.409	4.107	10.062	2.352	9.723

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.620	1.700	61.686	0.082	0.165	0.286
.	0.013	0.001	0.097	0.000	0.001	0.003
.S.D.	0.329	0.038	0.158	0.562	0.349	1.219

Peak Counts Output 1:58 PM June 23, 1994
k name : 4POINT
ole Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
	1	6.962	6.960	6.940
	2	16.599	16.608	16.536
	4	1.335	1.370	1.360
	5	1.163	1.157	1.164
	6	2.068	2.073	2.061
	7	1.355	1.369	1.347
	8	19.473	19.447	19.397
	9	1.417	1.390	1.461
	10	0.811	0.807	0.808
	11	20.325	20.212	20.222
	13	1.844	1.841	1.843
	14	0.791	0.785	0.792
	15	1.014	1.009	1.028
	16	1.030	1.036	1.031
	17	0.810	0.822	0.810

20	94.545	94.215	93.946
21	230.966	230.936	230.016
24	0.999	0.991	0.997
27	0.166	0.166	0.166
28	12.655	12.649	12.713

kground Counts Output 1:58 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background Kpulses
	1 BG2	0.618
	2 BG2	0.988
	4 BG2	2.580
	5 BG2	0.892
	6 BG1	0.410
	7 BG2	1.501
	8 BG1	0.628
	9 BG1	1.397
	9 BG2	1.845
	10 BG1	0.598
	11 BG2	1.125
	13 BG1	0.927
	14 BG1	0.765
	15 BG1	0.945
	15 BG2	0.895
	16 BG2	0.778
	17 BG2	0.665
	18 BG1	0.730
	19 BG1	0.787
	20 BG1	0.868
	21 BG1	0.560
	24 BG2	0.820
	27 No Background Measurement Positions	
	28 BG2	1.120

ple Id 1 : 1634 Sample Id 2 : 23 1:58 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.342	11.363	-1.659	0.047	1.006	-0.105	25.308	-0.011
	0.001	0.029	0.010	0.001	0.005	0.009	0.052	0.009
.S.D.	0.190	0.252	1.497	1.578	0.456	8.457	0.207	82.627

	Be (ppm)	Ca (ppm)	Cr (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.001	5.559	1.189	-0.000	0.076	-0.001	0.030	0.067

[illegible]	[illegible]	[illegible]	[illegible]	228.778	8.787	42.871	4.880	3.166

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	1.776	2.540	66.129	0.013	0.166	0.331
).	0.012	0.008	0.155	0.001	0.000	0.001
R.S.D.	0.657	0.323	0.235	7.086	0.000	0.328

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-Peak Counts Output 2:03 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses	
	1	7.499	7.493	7.506
	2	20.142	20.110	20.149
	4	1.526	1.543	1.563
	5	1.254	1.257	1.253
	6	1.969	1.945	1.961
	7	1.430	1.411	1.419
	8	26.712	26.646	26.682
	9	1.507	1.510	1.497
	10	0.832	0.831	0.830
	11	44.867	44.933	44.865
	13	1.466	1.470	1.468
	14	0.784	0.787	0.785
	15	1.009	1.049	1.044
	16	1.104	1.123	1.091
	17	0.850	0.842	0.840
	18	0.965	0.969	0.965
	19	1.202	1.205	1.201
	20	77.324	77.377	77.310
	21	277.185	277.258	277.473
	24	1.030	1.044	1.035
	27	0.165	0.165	0.165
	28	9.229	9.284	9.320

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kground Counts Output 2:03 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1 BG2	0.621	
	2 BG2	1.020	
	4 BG2	3.050	
	5 BG2	0.902	
	6 BG1	0.411	
	7 BG2	1.673	
	8 BG1	0.666	

9	BG1	1.171
10	BG1	0.607
11	BG2	1.176
12	BG1	0.952
14	BG1	0.764
15	BG1	0.977
15	BG2	0.917
16	BG2	0.804
17	BG2	0.866
18	BG1	0.739
19	BG1	0.790
20	BG1	0.837
21	BG1	0.579
24	BG2	0.837

27 No Background Measurement Positions
28 BG2 1.162

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ple Id 1 : 1635 Sample Id 2 : 24 2:03 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.368	13.935	-0.813	0.063	0.923	-0.152	35.083	-0.017
.	0.000	0.015	0.010	0.000	0.009	0.008	0.045	0.002
.S.D.	0.100	0.109	1.247	0.647	1.008	5.003	0.128	9.725

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	19.580	0.039	-0.001	0.075	-0.001	0.036	0.060
.	0.000	0.018	0.000	0.000	0.012	0.002	0.001	0.001
.S.D.	2.274	0.091	0.583	32.816	15.599	125.508	2.978	1.300

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.707	2.070	79.556	0.018	0.165	0.226
.	0.008	0.001	0.043	0.002	0.000	0.001
.S.D.	0.466	0.047	0.054	8.608	0.000	0.603

Peak Counts Output 2:07 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
	1	170.081	157.745	150.002
	2	150.389	140.713	134.151
	4	19.624	18.142	17.439
	5	51.844	47.741	45.464
	[illegible]	[illegible]	[illegible]	[illegible]

9	47.383	43.622	41.612
10	158.697	146.186	138.741
11	261.417	242.827	234.870
13	83.628	77.440	73.224
14	6.836	6.414	6.220
15	18.327	16.926	16.041
16	44.176	40.779	38.716
17	47.336	43.596	41.371
18	27.464	25.361	24.124
19	27.378	25.610	23.980
20	412.653	385.297	370.985
21	288.914	289.148	288.907
24	43.634	40.172	38.356
27	0.166	0.166	0.167
28	313.381	287.729	274.816

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qround Counts Output 2:07 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	Background	Koulaes
1	BG2	0.676	
2	BG2	1.469	
4	BG2	3.343	
5	BG2	0.675	
6	BG1	0.580	
7	BG2	1.747	
8	BG1	0.947	
9	BG1	2.167	
9	BG2	13.080	
10	BG1	2.527	
11	BG2	1.627	
13	BG1	1.102	
14	BG1	0.892	
15	BG1	1.202	
15	BG2	1.036	
16	BG2	1.093	
17	BG2	0.777	
18	BG1	1.112	
19	BG1	0.823	
20	BG1	2.097	
21	BG1	0.646	
24	BG2	0.956	
27	No Background Measurement Positions		
28	BG2	1.340	

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e Id 1 : 4ICL Sample Id 2 : 28 2:07 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
e Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
?	9.250	102.474	8.249	9.268	92.254	8.418	42.799	8.973
.	0.593	5.969	0.610	0.633	6.202	0.648	0.471	0.719
.S.D.	6.410	5.825	7.397	6.829	6.723	7.697	1.101	8.016

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
?	1.342	109.848	8.763	1.407	8.399	4.301	8.774	8.311
.	0.232	6.054	0.597	0.080	0.602	0.298	0.610	0.571
.S.D.	6.947	5.511	6.810	5.652	7.172	6.927	6.959	6.875

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
?	95.056	10.629	82.901	8.768	0.166	8.666
.	6.496	0.583	0.039	0.593	0.001	0.586
.S.D.	6.834	5.482	0.048	6.763	0.347	6.764

Peak Counts Output 2:12 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
	1	7.068	7.063	7.061
	2	17.673	17.596	17.633
	4	1.459	1.445	1.448
	5	1.186	1.183	1.188
	6	2.048	2.045	2.050
	7	1.393	1.384	1.430
	8	23.575	23.588	23.559
	9	1.481	1.544	1.490
	10	0.825	0.820	0.823
	11	40.210	40.178	40.264
	13	1.488	1.489	1.485
	14	0.789	0.789	0.792
	15	1.009	1.014	0.999
	16	1.056	1.013	1.045
	17	0.816	0.816	0.835
	18	0.927	0.923	0.938
	19	1.176	1.175	1.177
	20	80.358	80.081	80.210
	21	231.785	231.677	231.717
	24	1.028	1.026	1.032
	27	0.165	0.164	0.164
	28	8.093	8.214	8.128

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kground Counts Output 2:12 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

1	BG2	0.618
2	BG2	0.792
4	BG2	2.766
5	BG2	0.891
6	BG1	0.412
7	BG2	1.531
8	BG1	0.649
9	BG1	1.423
9	BG2	1.879
10	BG1	0.607
11	BG2	1.170
13	BG1	0.985
14	BG1	0.760
15	BG1	0.950
15	BG2	0.912
16	BG2	0.812
17	BG2	0.659
18	BG1	0.758
19	BG1	0.788
20	BG1	0.827
21	BG1	0.555
24	BG2	0.818
27	No Background Measurement Positions	
28	BG2	1.175

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ple Id 1 : 1636 Sample Id 2 : 26 2:12 PM 23/ 6/94

k name : 4POINT Sequence name : 4POINT Result File : P0623941

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.348	12.129	-0.708	0.052	0.990	-0.093	30.891	0.002
.	0.000	0.028	0.004	0.000	0.002	0.019	0.020	0.008
.S.D.	0.059	0.232	0.569	0.945	0.193	20.955	0.064	386.205

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.001	17.489	0.042	0.001	0.065	-0.004	0.033	0.041
.	0.000	0.019	0.000	0.000	0.004	0.002	0.002	0.003
.S.D.	7.061	0.111	0.566	43.174	6.149	60.664	6.730	6.388

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	1.613	2.155	66.443	0.021	0.164	0.194
.	0.004	0.004	0.016	0.001	0.001	0.002
.S.D.	0.237	0.177	0.024	3.259	0.351	0.960

Peak Counts Output 2:16 PM June 23, 1994

name : 4POINT

eak Integrations : 3 Off-Peak Integrations : 1

vte	Channel	On Peak	Kpulses	
1		42.080	42.428	42.523
2		19.374	19.533	19.571
4		5.009	4.989	5.064
5		3.803	3.798	3.814
6		1.941	1.956	1.947
7		3.276	3.263	3.250
8		27.282	27.424	27.457
9		2.856	2.820	2.795
10		2.905	2.920	2.926
11		44.955	44.990	45.220
13		3.805	3.822	3.831
14		0.973	0.967	0.967
15		1.978	2.012	1.999
16		1.574	1.536	1.544
17		3.392	3.355	3.357
18		2.419	2.430	2.455
19		1.244	1.245	1.243
20		163.135	163.809	164.206
21		272.844	274.270	274.947
24		1.913	1.896	1.913
27		0.165	0.166	0.165
28		24.990	24.868	25.010

ground Counts Output 2:16 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

vte	Channel	Background	Kpulses
1	BG2	0.537	
2	BG2	1.020	
4	BG2	3.112	
5	BG2	0.903	
6	BG1	0.411	
7	BG2	1.613	
8	BG1	0.672	
9	BG1	1.508	
9	BG2	2.572	
10	BG1	0.651	
11	BG2	1.180	
13	BG1	1.103	
14	BG1	0.769	
15	BG1	0.959	
15	BG2	0.935	
16	BG2	0.818	
17	BG2	0.688	
18	BG1	0.765	
19	BG1	0.789	
20	BG1	1.019	
21	BG1	0.560	

27 No background measurement positions
28 B62 1.181

10237

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ple Id 1 : 1637 Sample Id 2 : ' 2:16 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	2.408	13.467	1.055	0.562	0.915	1.322	36.036	0.228
	0.014	0.076	0.021	0.002	0.006	0.010	0.126	0.008
S.D.	0.561	0.567	2.013	0.284	0.628	0.782	0.350	3.304

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.048	19.653	0.293	0.044	0.579	0.046	0.543	0.550
	0.000	0.065	0.001	0.001	0.009	0.002	0.004	0.006
S.D.	0.519	0.328	0.504	1.991	1.568	4.851	0.777	1.139

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	1.869	4.443	78.589	0.211	0.165	0.694
	0.004	0.015	0.341	0.002	0.001	0.002
S.D.	0.204	0.352	0.434	1.031	0.349	0.283

Peak Counts Output 2:21 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	On Peak	Kpulses
1	11.985	12.177	12.151
2	21.038	21.354	21.300
4	1.659	1.640	1.643
5	1.349	1.337	1.335
6	1.939	1.961	1.966
7	1.519	1.479	1.511
8	31.042	31.437	31.391
9	1.585	1.545	1.607
10	0.850	0.844	0.846
11	27.785	27.888	27.844
13	2.070	2.076	2.077
14	0.804	0.785	0.790
15	1.078	1.059	1.068
16	1.173	1.186	1.170
17	0.941	0.882	0.865
18	1.077	1.073	1.095
19	1.290	1.289	1.292
20	122.121	123.046	122.854
21	741.548	749.771	744.547

	28	14.688	14.699	14.714

0238

ckground Counts Output 2:21 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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elyte	Channel	Background	Kpulses
	1 BG2	0.623	
	2 BG2	1.050	
	4 BG2	3.516	
	5 BG2	0.916	
	6 BG1	0.413	
	7 BG2	1.705	
	8 BG1	0.686	
	9 BG1	1.567	
	9 BG2	2.051	
	10 BG1	0.607	
	11 BG2	1.157	
	13 BG1	0.977	
	14 BG1	0.770	
	15 BG1	0.967	
	15 BG2	0.941	
	16 BG2	0.841	
	17 BG2	0.692	
	18 BG1	0.768	
	19 BG1	0.789	
	20 BG1	0.983	
	21 BG1	0.626	
	24 BG2	0.846	
	27 No Background Measurement Positions		
	28 BG2	1.235	

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ple Id 1 : 1638 Sample Id 2 : 28 2:21 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.630	14.715	-1.011	0.077	0.919	-0.151	41.312	-0.019
	0.006	0.124	0.006	0.001	0.011	0.017	0.293	0.008
.S.D.	0.931	0.839	0.553	1.959	1.189	11.159	0.710	41.544

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.301	11.946	0.107	-0.001	0.096	-0.006	0.041	0.090
	0.000	0.027	0.000	0.002	0.005	0.001	0.008	0.004
S.D.	5.122	0.194	0.359	329.592	5.081	13.867	19.585	4.440

	K	Mn	Fe	Cr	Mo	Zn

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0.006	0.013	0.589	0.002	0.000	0.000
.3.D.	0.295	0.379	0.597	5.392	0.000	0.032

10239

Peak Counts Output 2:25 PM June 23, 1994

k name : 4POINT

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

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lyte Channel On Peak Kpulses

1	8.036	8.064	8.061
2	18.664	18.750	18.714
4	1.462	1.531	1.479
5	1.196	1.190	1.196
6	2.087	2.089	2.090
7	1.436	1.379	1.414
8	25.446	25.463	25.499
9	1.520	1.489	1.497
10	0.811	0.806	0.819
11	55.276	55.344	55.489
13	1.985	1.987	2.004
14	0.788	0.778	0.787
15	1.024	1.000	1.017
16	1.133	1.118	1.126
17	0.822	0.815	0.841
18	0.975	0.973	0.991
19	1.151	1.155	1.152
20	92.726	92.629	92.912
21	284.608	285.538	285.938
24	1.017	1.012	1.010
27	0.166	0.166	0.166
28	14.002	13.842	13.970

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pground Counts Output 2:25 PM June 23, 1994

name : 4POINT

le Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

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yte Channel Background Kpulses

1	BG2	0.617
2	BG2	1.008
4	BG2	3.054
5	BG2	0.898
6	BG1	0.412
7	BG2	1.608
8	BG1	0.655
9	BG1	1.470
9	BG2	1.865
10	BG1	0.588
11	BG2	1.211

15	BG1	0.972
15	BG2	0.896
16	BG2	0.817
17	BG2	0.567
18	BG1	0.758
19	BG1	0.789
20	BG1	0.894
21	BG1	0.594
24	BG2	0.829
27	No Background Measurement Positions	
28	BG2	1.152

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ple Id 1 : 1639 Sample Id 2 : 29 2:25 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mo (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.400	12.903	-0.844	0.052	1.021	-0.148	33.455	-0.002
	0.001	0.032	0.020	0.001	0.001	0.022	0.037	0.004
.S.D.	0.207	0.245	2.330	1.309	0.114	15.182	0.110	167.194

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.001	24.263	0.108	-0.002	0.072	-0.002	0.032	0.059
	0.000	0.049	0.001	0.001	0.006	0.001	0.003	0.003
.S.D.	14.912	0.201	1.092	63.636	8.889	52.024	8.479	5.738

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	1.520	2.492	31.871	0.015	0.166	0.365
	0.008	0.004	0.197	0.001	0.000	0.003
.S.D.	0.523	0.157	0.241	5.374	0.000	0.698

Peak Counts Output 2:30 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses
	1	15.368	15.339	15.456
	2	22.575	22.534	22.692
	4	1.581	1.579	1.516
	5	1.329	1.338	1.336
	6	1.976	1.965	1.976
	7	1.462	1.460	1.493
	8	25.786	25.800	25.963
	9	1.550	1.508	1.539
	10	0.865	0.869	0.866

14	0.790	0.790	0.789
15	1.273	1.271	1.270
16	1.142	1.171	1.165
17	0.874	0.870	0.858
18	1.019	1.041	1.043
19	1.666	1.662	1.669
20	187.022	187.307	187.918
21	293.787	293.834	295.231
24	1.072	1.075	1.062
27	0.166	0.165	0.166
28	15.965	15.983	15.995

0241

kground Counts Output 2:30 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
1	BG2	0.620	
2	BG2	1.040	
4	BG2	3.096	
5	BG2	0.903	
6	BG1	0.412	
7	BG2	1.619	
8	BG1	0.666	
9	BG1	1.484	
9	BG2	2.000	
10	BG1	0.600	
11	BG2	1.340	
13	BG1	0.945	
14	BG1	0.767	
15	BG1	0.977	
15	BG2	0.926	
16	BG2	0.813	
17	BG2	0.658	
18	BG1	0.750	
19	BG1	0.787	
20	BG1	1.083	
21	BG1	0.606	
24	BG2	0.845	
27	No Background Measurement Positions		
28	BG2	1.165	

le Id 1 : 1640 Sample Id 2 : 30 2:30 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
0.328	15.723	-0.830	0.078	0.932	-0.107	33.957	-0.014

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.002	46.789	0.135	-0.001	0.199	0.001	0.042	0.080
.	0.000	0.124	0.001	0.000	0.001	0.002	0.002	0.005
.S.D.	2.403	0.255	0.419	17.332	0.370	125.003	3.964	5.676

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
.n	3.491	5.091	84.436	0.026	0.166	0.425
.	0.014	0.013	0.236	0.001	0.001	0.000
.S.D.	0.415	0.246	0.280	4.361	0.349	0.034

-Peak Counts Output 2:34 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Koulees
1	87.331	87.201	88.071
2	69.628	69.500	70.164
4	10.508	10.363	10.444
5	26.855	26.811	26.943
6	66.150	66.050	66.777
7	7.406	7.410	7.473
8	4.525	4.519	4.535
9	25.656	25.768	25.579
10	89.595	89.197	90.020
11	115.349	115.150	115.446
13	44.969	44.960	45.387
14	4.528	4.526	4.528
15	10.680	10.550	10.663
16	24.398	24.520	24.692
17	25.799	25.618	25.879
18	15.201	15.125	15.197
19	13.825	13.796	13.906
20	185.122	184.440	185.112
21	16.365	16.297	16.432
24	22.959	22.951	23.000
27	0.166	0.166	0.165
28	171.255	171.220	171.241

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koround Counts Output 2:34 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Koulees
1	382	0.666	

0242

5	BG2	0.531
6	BG1	0.472
7	BG2	1.282
8	BG1	0.660
9	BG1	1.538
9	BG2	8.316
10	BG1	1.526
11	BG2	1.374
13	BG1	0.846
14	BG1	0.815
15	BG1	0.975
15	BG2	0.958
16	BG2	0.934
17	BG2	0.711
18	BG1	0.874
19	BG1	0.806
20	BG1	1.091
21	BG1	0.425
24	BG2	0.876

27 No Background Measurement Positions

28	BG2	1.149

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ple Id 1 : CCVP3 Sample Id 2 : 31 2:34 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	5.082	50.081	5.093	5.074	49.835	4.898	5.029	5.103
.	0.027	0.257	0.040	0.013	0.300	0.030	0.014	0.023
.S.D.	0.541	0.514	0.781	0.259	0.601	0.610	0.277	0.457

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	2.023	51.062	5.037	0.931	5.065	2.549	5.074	4.851
.	0.009	0.068	0.028	0.000	0.037	0.016	0.027	0.015
.S.D.	0.468	0.132	0.552	0.931	0.731	0.626	0.534	0.299

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	49.963	5.052	4.487	4.860	0.166	5.080
.	0.218	0.011	0.019	0.006	0.001	0.001
.S.D.	0.436	0.213	0.433	0.120	0.349	0.010

Peak Counts Output 2:39 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	I- Peak	Koulees

1	0.884	0.839	0.885
2	0.895	0.888	0.895
4	0.862	0.864	0.856
5	0.888	0.876	0.887
6	0.689	0.683	0.687
7	1.162	1.174	1.151
8	0.717	0.712	0.723
9	1.221	1.230	1.229
10	0.756	0.755	0.762
11	1.102	1.088	1.101
13	0.876	0.870	0.880
14	0.784	0.780	0.788
15	0.828	0.831	0.839
16	0.737	0.741	0.751
17	0.640	0.629	0.645
18	0.680	0.685	0.690
19	0.755	0.752	0.757
20	0.658	0.646	0.654
21	0.432	0.419	0.423
24	0.782	0.778	0.787
27	0.165	0.165	0.164
28	1.044	1.034	1.052

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kground Counts Output 2:39 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	Background Kpulses
1	BG2	0.817
2	BG2	0.867
4	BG2	0.896
5	BG2	0.872
6	BG1	0.420
7	BG2	1.170
8	BG1	0.649
9	BG1	1.201
9	BG2	1.562
10	BG1	0.576
11	BG2	1.068
13	BG1	0.804
14	BG1	0.770
15	BG1	0.862
15	BG2	0.845
16	BG2	0.745
17	BG2	0.646
18	BG1	0.664
19	BG1	0.804
20	BG1	0.623
21	BG1	0.405
24	BG2	0.775
27	No Background Measurement Positions	
28	BG2	0.996

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ple Id 1 : CCB3 Sample Id 2 : 32 2:39 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	-0.000	-0.012	-0.008	-0.001	-0.052	0.004	0.009	0.000
.	0.000	0.003	0.002	0.001	0.002	0.009	0.007	0.001
.S.D.	16751.435	24.245	26.383	95.304	4.485	246.812	80.725	444.404

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.000	-0.002	-0.002	-0.003	-0.010	0.000	-0.002	-0.010
.	0.000	0.004	0.001	0.001	0.003	0.001	0.002	0.002
S.D.	230.592	156.187	33.684	33.166	30.352	15635.935	98.224	17.400

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	-0.059	-0.002	-0.095	-0.025	0.165	0.001
	0.010	0.000	0.002	0.001	0.001	0.000
S.D.	16.415	7.516	2.010	3.970	0.351	46.697

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eak Counts Output 2:43 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	On Peak	Koulses
1	179.969	171.844	167.357
2	146.271	139.929	136.266
4	18.769	17.963	17.499
5	49.318	46.734	45.285
6	124.601	117.938	114.097
7	12.737	12.118	11.875
8	32.060	31.678	31.583
9	45.011	42.819	41.496
10	161.521	153.369	148.753
11	313.112	302.053	296.238
13	85.428	81.342	79.962
14	6.909	6.701	6.587
15	17.076	16.328	15.837
16	44.587	42.218	41.032
17	47.809	45.344	44.176
18	27.805	26.485	25.761
19	26.653	25.187	24.400
20	519.067	501.673	492.245
21	305.171	304.056	305.040
24	41.396	39.269	38.388
27	0.165	0.166	0.166
28	321.086	305.820	296.707

kground Counts Output 2:43 PM June 23, 1994

10246

k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1 BG2	0.685	
	2 BG2	1.497	
	4 BG2	3.460	
	5 BG2	0.962	
	6 BG1	0.563	
	7 BG2	1.755	
	8 BG1	0.921	
	9 BG1	2.069	
	9 BG2	13.083	
	10 BG1	2.470	
	11 BG2	1.779	
	13 BG1	1.047	
	14 BG1	0.871	
	15 BG1	1.191	
	15 BG2	1.027	
	16 BG2	1.121	
	17 BG2	0.784	
	18 BG1	1.075	
	19 BG1	0.814	
	20 BG1	2.223	
	21 BG1	0.659	
	24 BG2	0.973	
	27 No Background Measurement Positions		
	28 BG2	1.365	

ple Id 1 : +ICL Sample Id 2 : 33 2:43 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	10.055	101.757	8.007	9.024	89.738	8.350	41.650	8.717
.	0.374	3.705	0.352	0.400	4.043	0.353	0.343	0.436
.S.D.	3.722	3.641	4.390	4.432	4.505	4.233	0.823	5.000

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	3.497	135.375	9.204	1.472	8.049	4.446	9.112	8.675
.	0.149	3.843	0.373	0.044	0.327	0.196	0.376	0.352
.S.D.	4.257	2.838	4.052	2.957	4.063	4.399	4.122	4.055

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	94.163	13.779	37.435	8.513	0.166	9.140
.	4.371	0.374	3.175	0.371	0.001	0.368
.S.D.	4.642	2.717	8.481	4.355	0.349	4.027

-Peak Counts Output 2:48 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Koulsee
	1	10.091	10.123	10.136
	3	27.133	23.182	23.213
	4	1.491	1.505	1.500
	5	1.302	1.308	1.301
	6	2.065	2.070	2.070
	7	1.461	1.428	1.388
	8	25.217	25.284	25.286
	9	1.498	1.516	1.502
	10	0.840	0.843	0.838
	11	187.784	188.534	188.128
	13	1.943	1.949	1.945
	14	0.788	0.785	0.783
	15	1.159	1.148	1.197
	16	1.101	1.103	1.114
	17	0.823	0.825	0.830
	18	1.000	0.999	0.994
	19	1.535	1.538	1.538
	20	116.557	117.047	116.697
	21	264.001	264.862	264.516
	24	1.059	1.059	1.061
	27	0.166	0.165	0.165
	28	13.010	13.210	13.102

kground Counts Output 2:48 PM June 23, 1994
:k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Koulsee
	1 BG2	0.619	
	2 BG2	1.036	
	4 BG2	2.972	
	5 BG2	0.916	
	6 BG1	0.412	
	7 BG2	1.567	
	8 BG1	0.666	
	9 BG1	1.491	
	9 BG2	1.917	
	10 BG1	0.573	
	11 BG2	1.521	
	13 BG1	0.8xx	
	14 BG1	0.788	
	15 BG1	0.911	
	15 BG2	0.916	

```
          17 BG1      0.747
          19 BG1      0.771
          20 BG1      0.929
          21 BG1      0.572
          24 BG2      0.846
          27 No Background Measurement Positions
          28 BG2      1.179
-------------------------------------------------------------------

:le Id 1 : 1641                Sample Id 2 : 34                2:48 PM 23/ 6/94
% name : 4POINT    Sequence name : 4POINT   Result File : P0623941
:le Weight :     1.0000  Solution Volume :       1.00


Peak Integrations :  3   Off-Peak Integrations :  1
-------------------------------------------------------------------
             Ba          Mg          As          V           Na          Se          Al          Sb
           (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)
n           0.523      16.146      -0.795       0.072       1.005      -0.103      33.160      -0.008
.           0.001       0.030       0.004       0.001       0.002       0.029       0.053       0.002
.S.D.       0.252       0.183       0.438       1.026       0.218      28.337       0.161      28.360

             Be          Ca          Cu          Ag          Pb          Cd          Co          Ni
           (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)
            0.002      83.646       0.107      -0.002       0.153      -0.003       0.034       0.068
.           0.000       0.168       0.000       0.001       0.013       0.001       0.001       0.001
.S.D.       3.058       0.201       0.316      29.077       8.405      25.345       2.125       1.600

             K           Mn          Fe          Cr          Mo          Zn
           (ppm)       (ppm)       (ppm)       (ppm)     (KPulses)     (ppm)
n           2.985       3.154      75.963       0.021       0.165       0.340
.           0.000       0.007       0.127       0.000       0.001       0.003
.S.D.       0.000       0.219       0.166       1.193       0.349       0.871

-------------------------------------------------------------------

Peak Counts Output         2:52 PM June 23, 1994
% name : 4POINT
:le Weight :     1.0000  Solution Volume :       1.00
Peak Integrations :  3   Off-Peak Integrations :  1
-------------------------------------------------------------------
Ivte   Channel              On Peak    Kpulses
-------------------------------------------------------------------
            1       46.939     46.966     46.990
            2       21.998     22.046     22.022
            4        5.028      4.993      5.000
            5        3.805      3.797      3.805
            6        2.043      2.046      2.040
            7        3.253      3.226      3.259
            8       29.155     29.155     29.177
            9        2.658      2.669      2.727
           10        2.874      2.867      2.871
           11      232.052    232.855    233.248
           13        4.168      4.180      4.193
           14        0.953      0.953      0.955
           15        2.141      2.079      2.102
```

18	2.397	2.383	2.366
19	1.753	1.759	1.759
20	159.345	159.236	159.217
21	288.987	289.346	239.607
24	1.930	1.918	1.936
27	0.165	0.165	0.165
28	30.704	30.531	30.717

---

kground Counts Output 2:52 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background Routines
1	BG2	0.630
2	BG2	1.032
4	BG2	3.218
5	BG2	0.913
6	BG1	0.411
7	BG2	1.615
8	BG1	0.692
9	BG1	1.543
9	BG2	2.627
10	BG1	0.606
11	BG2	1.624
13	BG1	0.879
14	BG1	0.767
15	BG1	0.988
15	BG2	0.915
16	BG2	0.634
17	BG2	0.682
18	BG1	0.771
19	BG1	0.787
20	BG1	1.010
21	BG1	0.595
24	BG2	0.859
27	No Background Measurement Positions	
28	BG2	1.187

---

ple Id 1 : 1642 Sample Id 2 : 35 2:52 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	2.677	15.307	0.990	0.560	0.987	1.307	38.417	0.183
	0.001	0.018	0.013	0.001	0.002	0.013	0.017	0.009
.S.D.	0.054	0.115	1.023	0.162	0.231	1.000	0.045	4.985

	Se	Ca	Cr	Ag	Pb	Cd	Co	Ni

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0.000	0.088	0.001	0.000	0.016	0.001	0.003	0.008
.S.D.	0.168	0.025	0.250	0.719	2.578	2.619	0.674	1.457

	Y (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	3.338	4.319	87.009	0.211	0.165	0.863
	0.013	0.002	0.050	0.002	0.000	0.003
.S.D.	0.345	0.045	0.108	0.963	0.000	0.360

Peak Counts Output 2:57 PM June 23, 1994

k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses
1	10.203	10.143	10.170
2	30.275	30.120	30.177
4	1.575	1.601	1.619
5	1.415	1.414	1.426
6	1.988	1.967	1.974
7	1.462	1.563	1.457
8	28.628	28.471	28.566
9	1.560	1.545	1.537
10	0.843	0.838	0.844
11	118.029	117.886	118.491
13	18.642	18.511	18.562
14	0.784	0.790	0.789
15	1.452	1.479	1.494
16	1.202	1.189	1.207
17	0.864	0.855	0.901
18	1.024	1.047	1.055
19	1.567	1.555	1.562
20	171.398	170.648	171.378
21	339.963	339.475	340.252
24	1.081	1.085	1.094
27	0.164	0.165	0.164
28	17.707	17.615	17.678

---

kground Counts Output 2:57 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
1	862	0.616	
2	862	1.066	
4	862	3.389	
5	562	0.904	
6	851	0.407	

10250

```
 8 BG1      0.[illegible]
 9 BG1      1.493
 9 BG2      2.021
10 BG1      0.532
11 BG2      1.355
13 BG1      0.897
14 BG1      0.762
15 BG1      0.967
15 BG2      0.910
16 BG2      0.810
17 BG2      0.680
18 BG1      0.764
19 BG1      0.782
20 BG1      1.043

21 BG1      0.634
24 BG2      0.848
27 No Background Measurement Positions
28 BG2      1.173
```

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le Id 1 : 1643                Sample Id 2 : 36                    2:57 PM 23/ 6/94
 name : 4POINT    Sequence name : 4POINT   Result File : P0623941
le Weight :     1.0000  Solution Volume :       1.00
eak Integrations :  3   Off-Peak Integrations :  1
```

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.518	21.251	-0.968	0.094	0.939	-0.142	37.614	-0.014
	0.002	0.057	0.012	0.001	0.008	0.049	0.107	0.003
S.D.	0.335	0.270	1.250	1.264	0.866	33.474	0.285	19.960

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.002	33.335	1.997	-0.000	0.317	0.000	0.039	0.077
	0.000	0.142	0.008	0.001	0.011	0.001	0.005	0.005
S.D.	4.036	0.271	0.382	999.759	3.517	316.994	12.632	7.050

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	3.109	4.639	97.558	0.027	0.164	0.473
	0.023	0.012	0.113	0.001	0.001	0.001
S.D.	0.741	0.253	0.116	5.469	0.351	0.294

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eak Counts Output         1:01 PM June 23, 1994
 name : 4POINT
le Weight :     1.0000  Solution Volume :       1.00
eak Integrations :  3   Off-Peak Integrations :  1
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vte	Channel	In Peak	Kpulses
	1	10.993	11.046	11.117
	2	17.043	17.158	17.298

6	1.891	1.898	1.911
7	1.514	1.534	1.451
8	30.562	30.684	30.847
9	1.545	1.573	1.577
10	0.980	0.981	0.984
11	31.390	31.445	31.533
12	1.945	1.949	1.960
14	0.804	0.801	0.795
15	1.191	1.221	1.194
16	1.203	1.204	1.184
17	0.863	0.850	0.853
18	1.045	1.058	1.040
19	1.482	1.480	1.490
20	160.518	161.036	161.772
21	304.280	306.127	307.398
24	1.076	1.076	1.071
27	0.166	0.165	0.165
28	16.400	16.308	16.240

---

kground Counts Output 3:01 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background Kpulses
1	BG2	0.616
2	BG2	1.005
4	BG2	3.304
5	BG2	0.887
6	BG1	0.409
7	BG2	1.698
8	BG1	0.679
9	BG1	1.494
9	BG2	2.009
10	BG1	0.584
11	BG2	1.153
13	BG1	0.872
14	BG1	0.761
15	BG1	0.772
15	BG2	0.920
16	BG2	0.819
17	BG2	0.662
18	BG1	0.769
19	BG1	0.788
20	BG1	1.012
21	BG1	0.609
24	BG2	0.826
27	No Background Measurement Positions	
28	BG2	1.175

---

ple Id 1 : 1644 Sample Id 2 : 37 3:01 PM 23/ 6/94

-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mo (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.573	11.756	-0.896	0.075	0.880	-0.148	40.518	-0.008
D.	0.003	0.062	0.002	0.001	0.008	0.034	0.194	0.004
R.S.D.	0.583	0.524	0.197	1.588	0.878	23.288	0.479	53.329

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.005	13.569	0.106	0.003	0.167	0.003	0.039	0.078
D.	0.000	0.032	0.001	0.001	0.009	0.001	0.001	0.003
R.S.D.	0.956	0.238	0.803	35.219	5.208	41.945	3.527	4.059

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
ean	2.791	4.367	87.789	0.029	0.165	0.434
D.	0.020	0.017	0.451	0.001	0.001	0.002
R.S.D.	0.725	0.394	0.514	2.231	0.349	0.574

-Peak Counts Output 3:06 PM June 23, 1994

sk name : 4POINT

mple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

elvte	Channel	On Peak	Kpulses	
	1	10.611	10.555	10.629
	2	24.759	24.688	24.828
	4	1.769	1.747	1.717
	5	1.342	1.332	1.335
	6	2.358	2.363	2.361
	7	1.529	1.562	1.544
	8	35.559	35.421	35.634
	9	1.638	1.650	1.606
	10	0.838	0.839	0.837
	11	32.593	32.407	32.493
	13	2.025	2.024	2.035
	14	0.792	0.797	0.789
	15	1.143	1.103	1.109
	16	1.239	1.202	1.229
	17	0.883	0.886	0.882
	18	1.118	1.112	1.116
	19	1.582	1.584	1.588
	20	152.275	151.841	152.353
	21	383.491	381.993	383.842
	24	1.165	1.157	1.161
	27	0.164	0.165	0.165
	28	16.957	16.724	16.842

ckground Counts Output 3:06 PM June 23, 1994

sk name : 4POINT

Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Kpulses
	1	BG2	0.616
	2	BG2	1.055
	4	BG2	3.821
	5	BG2	0.899
	6	BG1	0.413
	7	BG2	1.755
	8	BG1	0.705
	9	BG1	1.560
	9	BG2	1.980
	10	BG1	0.583
	11	BG2	1.155
	13	BG1	0.875
	14	BG1	0.773
	15	BG1	1.016
	15	BG2	0.918
	16	BG2	0.829
	17	BG2	0.680
	18	BG1	0.779
	19	BG1	0.794
	20	BG1	1.036
	21	BG1	0.663
	24	BG2	0.842
	27	No Background Measurement Positions	
	28	BG2	1.198

ple Id 1 : 16445 Sample Id 2 : 38 3:06 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.538	17.289	-1.125	0.079	1.227	-0.157	47.051	0.004
.	0.002	0.051	0.014	0.001	0.002	0.013	0.147	0.006
.S.D.	0.399	0.296	1.270	1.270	0.156	8.359	0.312	135.575

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.002	14.034	0.113	-0.002	0.120	-0.005	0.041	0.097
.	0.000	0.042	0.001	0.001	0.011	0.002	0.000	0.001
.S.D.	1.334	0.297	0.602	63.932	9.456	43.505	1.024	1.066

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	3.152	4.112	139.988	0.045	0.165	0.445
.	0.012	0.007	0.263	0.001	0.001	0.003
.S.D.	0.370	0.182	0.257	1.979	0.351	0.773

name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Koulsee
1		2.778	2.741	2.707
2		6.105	6.009	5.914
4		1.032	1.006	1.053
5		0.966	0.969	0.972
6		1.115	1.091	1.091
7		1.213	1.212	1.217
8		8.238	8.101	7.980
9		1.277	1.299	1.282
10		0.767	0.765	0.772
11		7.856	7.719	7.631
13		1.142	1.135	1.135
14		0.780	0.776	0.781
15		0.890	0.907	0.905
16		0.863	0.841	0.836
17		0.684	0.668	0.692
18		0.803	0.790	0.798
19		0.943	0.936	0.931
20		32.945	32.310	31.935
21		82.896	81.134	80.203
24		0.857	0.853	0.860
27		0.164	0.164	0.164
28		4.613	4.484	4.403

ground Counts Output 3:10 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Koulsee
1	BG2	0.616	
2	BG2	0.898	
4	BG2	1.511	
5	BG2	0.872	
6	BG1	0.413	
7	BG2	1.286	
8	BG1	0.589	
9	BG1	1.320	
9	BG2	1.712	
10	BG1	0.573	
11	BG2	1.087	
13	BG1	0.808	
14	BG1	0.759	
15	BG1	0.897	
15	BG2	0.846	
16	BG2	0.751	
17	BG2	0.635	
18	BG1	0.703	
19	BG1	0.770	

```
21 BG1      0.788
24 BG2      0.792
27 No Background Measurement Positions
28 BG2      1.347
-------------------------------------------------------------------

ple Id 1 : 1645L                Sample Id 2 : 39                    3:10 PM 23/ 6/94
sk name : 4POINT    Sequence name : 4POINT   Result File : P0623941
ple Weight :     1.0000  Solution Volume :       1.00
-Peak Integrations :  3   Off-Peak Integrations :  1
-------------------------------------------------------------------
              Be          Mg          As          V           Na          Se          Al          Sb
            (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)

an          0.113       3.704      -0.251       0.015       0.267      -0.047       9.982      -0.018
D.          0.002       3.070       0.013       0.001       0.011       0.002       0.175       0.003
R.S.D.      1.710       1.884       5.131       4.085       3.942       4.434       1.755      15.569

              Be          Ca          Cu          Ag          Pb          Cd          Co          Ni
            (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)       (ppm)
an          0.000       2.965       0.026      -0.002       0.025       0.001       0.009       0.015
D.          0.000       0.051       0.000       0.001       0.005       0.001       0.002       0.003
R.S.D.     24.077       1.714       1.669      44.183      19.140     255.537      26.566      16.705

              K           Mn          Fe          Cr          Mo          Zn
            (ppm)       (ppm)       (ppm)       (ppm)     (KPulses)     (ppm)
an          0.691       0.860      23.199      -0.012       0.164       0.098
D.          0.023       0.014       0.394       0.001       0.000       0.003
R.S.D.      3.336       1.616       1.697       6.722       0.000       3.157

-------------------------------------------------------------------

-Peak Counts Output         3:15 PM June 23, 1994
sk name : 4POINT
ple Weight :     1.0000  Solution Volume :       1.00
-Peak Integrations :  3   Off-Peak Integrations :  1
-------------------------------------------------------------------
alyte   Channel            On Peak   Kpulses
-------------------------------------------------------------------
              1        0.655     0.656     0.652
              2        0.885     0.890     0.886
              4        0.887     0.857     0.881
              5        0.871     0.876     0.876
              6        0.679     0.680     0.678
              7        1.121     1.140     1.110
              8        0.711     0.717     0.716
              9        1.220     1.213     1.185
             10        0.750     0.752     0.747
             11        1.089     1.088     1.086
             13        0.870     0.871     0.867
             14        0.779     0.780     0.777
             15        0.84x     0.849     0.843
             16        0.741     0.752     0.744
             17        0.64x     0.627     0.619
             18        0.671     0.669     0.683
             19        0.752     0.75x     0.752
```

21	0.782	0.784	0.782
24	0.776	0.775	0.777
27	0.165	0.164	0.165
28	1.023	1.018	1.044

---

ckground Counts Output 3:15 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	Background	Kpulses
	1	BG2	0.612
	2	BG2	0.861
	4	BG2	0.681
	5	BG2	0.870
	6	BG1	0.410
	7	BG2	1.170
	8	BG1	0.549
	9	BG1	1.193
	9	BG2	1.605
	10	BG1	0.566
	11	BG2	1.068
	13	BG1	0.739
	14	BG1	0.756
	15	BG1	0.840
	15	BG2	0.834
	16	BG2	0.762
	17	BG2	0.634
	18	BG1	0.663
	19	BG1	0.792
	20	BG1	0.810
	21	BG1	0.397
	24	BG2	0.775
	27	No Background Measurement Positions	
	28	BG2	1.017

---

mple Id 1 : 1484 Sample Id 2 : 40 3:15 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	-0.000	-0.012	0.008	-0.003	-0.050	-0.027	0.006	-0.009
.	0.000	0.002	0.009	0.001	0.001	0.012	0.004	0.005
R.S.D.	75.259	16.196	103.248	26.407	1.529	44.630	77.348	49.495

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.000	-0.006	-0.001	-0.001	0.006	-0.002	-0.001	-0.015
.	0.000	0.001	0.000	0.000	0.002	0.001	0.003	0.003
R.S.D.	65.102	10.657	34.983	45.989	27.007	39.698	378.230	17.446

	A (ppm)	mu (ppm)	re (ppm)	sd (ppm)	ab (KPulses)	z0 (ppm)
n	-0.017	-0.002	-0.004	-0.026	0.165	-0.000
.	0.008	0.000	0.002	0.000	0.001	0.000
.S.D.	48.058	3.921	1.812	0.863	0.351	93.434

Peak Counts Output 3:19 PM June 23, 1994
< name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte	Channel	On Peak	Kpulses	
	1	25.670	25.773	25.619
	2	13.564	13.576	13.511
	4	2.259	2.269	2.265
	5	2.875	2.881	2.871
	6	5.774	5.761	5.778
	7	1.834	1.816	1.860
	8	15.638	15.662	15.612
	9	2.197	2.240	2.238
	10	21.107	21.177	21.021
	11	46.916	47.068	46.832
	13	6.288	6.304	6.279
	14	3.469	3.466	3.462
	15	2.301	2.293	2.312
	16	5.842	5.841	5.729
	17	3.172	3.145	3.162
	18	3.036	3.040	3.035
	19	3.813	3.795	3.805
	20	36.771	37.162	36.744
	21	98.217	98.436	97.830
	24	4.046	4.055	4.032
	27	0.164	0.164	0.163
	28	21.050	21.065	20.937

---

kground Counts Output 3:19 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte	Channel	Background	Kpulses
	1 BG2	0.622	
	2 BG2	0.933	
	4 BG2	1.836	
	5 BG2	0.880	
	6 BG1	0.412	
	7 BG2	1.310	
	8 BG1	0.617	
	9 BG1	1.385	
	1 BG2	2.217	

11	BG2	1.181
13	BG1	1.389
14	BG1	0.758
15	BG1	0.899
15	BG2	0.867
16	BG2	0.819
17	BG2	0.651
18	BG1	0.698
19	BG1	0.736
20	BG1	0.711
21	BG1	0.471
24	BG2	0.798

27 No Background Measurement Positions

28	BG2	1.093

---

ple Id 1 : 1485 Sample Id 2 : 41 3:20 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	1.454	9.189	0.249	0.386	3.822	0.429	20.164	0.141
.	0.005	0.025	0.009	0.001	0.007	0.018	0.034	0.006
.S.D.	0.314	0.275	3.484	0.254	0.177	4.104	0.168	4.240

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.461	20.497	0.547	0.677	0.754	0.527	0.508	0.777
.	0.002	0.054	0.001	0.001	0.005	0.007	0.003	0.001
.S.D.	0.390	0.262	0.263	0.151	0.656	1.326	0.544	0.116

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	11.668	0.981	28.050	0.692	0.164	0.589
.	0.034	0.006	0.088	0.003	0.001	0.002
.S.D.	0.295	0.653	0.315	0.370	0.353	0.352

Peak Counts Output 3:24 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
	1	6.748	6.723	6.732
	2	111.935	111.356	111.761
	4	1.231	1.250	1.214
	5	1.192	1.191	1.198
	6	2.444	2.442	2.431
	7	1.322	1.322	1.332
	8	14.283	14.257	14.266

10	0.798	0.801	0.797
11	967.019	968.185	967.458
13	1.402	1.406	1.410
14	0.799	0.801	0.800
15	0.943	0.957	0.945
16	0.945	0.980	0.941
17	0.818	0.831	0.833
18	0.964	0.975	0.970
19	2.221	2.208	2.215
20	82.296	82.238	82.199
21	138.103	137.851	137.992
24	1.036	1.047	1.037
27	0.166	0.166	0.166
28	5.328	5.267	5.273

---

ground Counts Output 3:24 PM June 23, 1994
name : 4POINT
ble Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background Counts
1	BG2	0.620
2	BG2	1.407
4	BG2	2.035
5	BG2	0.971
6	BG1	0.407
7	BG2	1.400
8	BG1	0.662
9	BG1	1.372
9	BG2	1.822
10	BG1	0.604
11	BG2	3.407
13	BG1	0.952
14	BG1	0.772
15	BG1	0.953
15	BG2	0.889
16	BG2	0.823
17	BG2	0.681
18	BG1	0.763
19	BG1	0.795
20	BG1	0.880
21	BG1	0.515
24	BG2	0.917
27	No Background Measurement Positions	
28	BG2	1.131

---

ble Id 1 : 1475 Sample Id 2 : 42 3:24 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ble Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ba	Mo	As	V	Na	Se	Al	Sb

n			-0.428	0.037	1.291	-0.050	16.246	0.002
).	0.001	0.216	0.010	0.001	0.005	0.005	0.018	0.002
.S.D.	0.214	0.169	2.301	1.911	0.412	9.261	0.098	84.582

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	452.191	0.039	0.001	0.030	-0.002	0.030	0.053
).	0.000	0.264	0.000	0.000	0.004	0.002	0.002	0.002
.S.D.	14.217	0.061	1.183	49.707	13.329	93.573	5.578	3.510

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zr (ppm)
n	5.595	2.220	39.470	0.001	0.166	0.116
).	0.025	0.001	0.036	0.001	0.000	0.001

.S.D.	0.445	0.062	0.092	99.913	0.000	0.864

Peak Counts Output 3:28 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ivte	Channel	On Peak	Kpulses	
	1	87.126	87.637	88.037
	2	69.919	70.239	70.426
	4	10.379	10.477	10.619
	5	27.011	27.053	27.123
	6	66.179	66.895	67.121
	7	7.517	7.569	7.525
	8	4.529	4.540	4.559
	9	25.585	25.728	25.904
	10	89.810	90.270	90.659
	11	115.232	115.509	115.750
	13	45.059	45.363	45.532
	14	4.534	4.546	4.554
	15	10.659	10.653	10.671
	16	24.588	24.642	24.593
	17	25.790	25.842	25.924
	18	15.185	15.311	15.238
	19	13.832	13.963	14.019
	20	184.769	185.430	185.839
	21	16.255	16.412	16.363
	24	22.972	23.022	23.070
	27	0.166	0.166	0.165
	28	172.196	172.547	172.618

---

kground Counts Output 3:28 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ivte	Channel	Background	Kpulses

2	BG2	1.180
4	BG2	1.184
5	BG2	0.937
6	BG1	0.471
7	BG2	1.287
8	BG1	0.665
9	BG1	1.539
9	BG2	8.467
10	BG1	1.517
11	BG2	1.377
13	BG1	0.833
14	BG1	0.805
15	BG1	0.951
15	BG2	0.919
16	BG2	0.913
17	BG2	0.700
18	BG1	0.808
19	BG1	0.807
20	BG1	1.087
21	BG1	0.431
24	BG2	0.871

27 No Background Measurement Positions

23	BG2	1.155

---

le Id 1 : CCVP4 Sample Id 2 : 43 3:29 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	5.086	50.398	5.103	5.111	50.144	4.996	5.043	5.102
	0.027	0.187	0.066	0.011	0.374	0.022	0.021	0.039
.S.D.	0.526	0.372	1.294	0.217	0.746	0.446	0.408	0.769

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	2.038	51.142	5.062	4.937	5.097	2.558	5.094	4.883
	0.010	0.116	0.027	0.003	0.005	0.003	0.014	0.021
S.D.	0.480	0.227	0.540	0.271	0.094	0.126	0.269	0.440

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	In (ppm)
	50.340	5.066	4.479	4.972	0.166	5.117
	0.367	0.015	0.023	0.011	0.001	0.007
.S.D.	0.729	0.293	0.516	0.222	0.349	0.132

Peak Counts Output 1:33 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Analyte	Channel	Off-Peak	Pulses	
	1	0.664	0.663	0.666
	2	0.896	0.890	0.897
	4	0.859	0.856	0.864
	5	0.876	0.875	0.880
	6	0.689	0.691	0.687
	7	1.116	1.156	1.119
	8	0.714	0.715	0.716
	9	1.225	1.225	1.208
	10	0.763	0.765	0.766
	11	1.114	1.113	1.118
	13	0.882	0.877	0.881
	14	0.779	0.775	0.780
	15	0.820	0.850	0.826
	16	0.772	0.735	0.757
	17	0.627	0.627	0.633
	18	0.690	0.676	0.677
	19	0.754	0.754	0.757
	20	0.656	0.652	0.649
	21	0.427	0.423	0.424
	24	0.779	0.775	0.787
	27	0.166	0.165	0.166
	28	1.184	1.176	1.187

kground Counts Output 3:33 PM June 23, 1994

k name : 4POINT

ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Pulses
	1 BG2	0.617	
	2 BG2	0.884	
	4 BG2	0.892	
	5 BG2	0.862	
	6 BG1	0.413	
	7 BG2	1.128	
	8 BG1	0.552	
	9 BG1	1.284	
	9 BG2	1.577	
	10 BG1	0.574	
	11 BG2	1.061	
	13 BG1	0.794	
	14 BG1	0.759	
	15 BG1	0.847	
	15 BG2	0.809	
	16 BG2	0.742	
	17 BG2	0.625	
	18 BG1	0.667	
	19 BG1	0.797	
	20 BG1	0.621	
	21 BG1	0.395	
	24 BG2	0.776	
	27 No Background Measurement Positions		

ple Id 1 : CC94 Sample Id 2 : 44 3:33 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623541
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.000	-0.009	-0.006	-0.001	-0.044	0.012	0.002	-0.011
.	0.000	0.003	0.002	0.001	0.002	0.019	0.001	0.002
.S.D.	66.465	31.544	34.636	72.422	3.422	152.867	67.145	22.368

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	0.009	-0.000	-0.002	0.003	0.002	0.001	-0.012
.	0.000	0.001	0.000	0.001	0.008	0.002	0.001	0.003
.S.D.	14.354	13.229	957.434	37.810	260.101	126.572	94.476	21.855

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	-0.031	-0.002	-0.092	-0.025	0.166	0.005
.	0.007	0.000	0.001	0.001	0.001	0.000
.S.D.	21.656	4.418	0.648	5.427	0.349	3.708

Peak Counts Output 3:37 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte Channel	On Peak	Kpulses	
1	2.235	2.199	2.152
2	30.192	29.557	28.679
4	0.934	0.953	0.942
5	0.960	0.951	0.944
6	1.189	1.173	1.163
7	1.160	1.157	1.169
8	4.302	4.229	4.116
9	1.292	1.244	1.251
10	0.762	0.758	0.759
11	254.079	248.147	240.436
13	1.026	1.015	1.015
14	0.778	0.774	0.775
15	0.865	0.866	0.848
16	0.791	0.807	0.795
17	0.675	0.672	0.695
18	0.788	0.773	0.776
19	1.127	1.119	1.113
20	22.376	21.849	21.291
21	36.957	36.290	35.032
24	0.844	0.844	0.839
27	0.168	0.166	0.167

kground Counts Output 3:37 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background Kcounts
	1 BG2	0.614
	2 BG2	0.677
	4 BG2	1.116
	5 BG2	0.885
	6 BG1	0.404
	7 BG2	1.160
	8 BG1	0.578
	9 BG1	1.241
	9 BG2	1.631
	10 BG1	0.573
	11 BG2	1.547
	13 BG1	0.824
	14 BG1	0.751
	15 BG1	0.874
	15 BG2	0.849
	16 BG2	0.774
	17 BG2	0.627
	18 BG1	0.678
	19 BG1	0.751
	20 BG1	0.673
	21 BG1	0.434
	24 BG2	0.803
	27 No Background Measurement Positions	
	28 BG2	1.032

ple Id 1 : 1475L Sample Id 2 : 45 3:38 PM 23/ 6/94
ek name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.086	20.793	-0.032	0.009	0.332	0.011	4.720	-0.004
).	0.002	0.555	3.105	0.002	0.010	0.005	0.131	0.006
.S.D.	2.708	2.670	6.262	17.169	3.004	43.587	2.774	146.443

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.000	110.284	0.312	-0.000	0.004	-0.002	0.011	0.011
).	0.000	3.367	0.101	0.001	0.005	0.001	0.003	0.003
.S.D.	31.342	2.781	6.137	157.519	140.653	56.091	23.444	25.388

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	1.421	1.575	10.184	-0.017	0.166	0.032

Peak Counts Output 3:42 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak		Kpulses
1		32.645	32.846	32.973
2		19.443	19.518	19.610
4		1.458	1.425	1.442
5		1.366	1.361	1.360
6		2.696	2.701	2.707
7		1.521	1.470	1.524
8		12.062	12.096	12.162
9		1.616	1.678	1.629
10		0.820	0.821	0.824
11		155.125	155.902	156.286
13		10.678	10.710	10.770
14		0.827	0.825	0.824
15		28.079	28.009	28.230
16		1.639	1.620	1.660
17		0.876	0.897	0.871
18		1.382	1.406	1.410
19		1.341	1.334	1.338
20		82.369	82.369	82.407
21		652.634	655.674	657.193
24		3.288	3.309	3.324
27		0.165	0.165	0.166
28		104.178	104.587	104.504

ground Counts Output 3:42 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	Background	Kpulses
1	BG2	0.629	
2	BG2	1.120	
4	BG2	4.235	
5	BG2	0.940	
6	BG1	0.413	
7	BG2	1.831	
8	BG1	0.614	
9	BG1	1.422	
9	BG2	1.861	
10	BG1	0.633	
11	BG2	1.454	
13	BG1	1.174	
14	BG1	0.777	

16	BG2	0.838
17	BG2	0.729
18	BG1	0.853
19	BG1	0.783
20	BG1	0.904
21	BG1	0.842
24	BG2	0.908
27	No Background Measurement Positions	
26	BG2	1.311

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ple Id 1 : 1476 Sample Id 2 : 46 3:42 PM 23/ 6/94

k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	1.807	13.417	-1.517	0.074	1.488	-0.249	15.377	0.037
	0.009	0.061	0.009	0.001	0.004	0.024	0.069	0.008
S.D.	0.519	0.456	0.595	0.886	0.281	9.675	0.449	21.506

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.000	69.162	1.068	0.007	14.225	0.006	0.031	0.169
	0.000	0.265	0.005	0.000	0.059	0.002	0.003	0.005
S.D.	24.088	0.383	0.493	5.798	0.417	35.383	9.076	3.050

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	2.250	2.161	188.194	0.505	0.165	3.042
	0.013	0.005	0.764	0.004	0.001	0.006
S.D.	0.597	0.222	0.406	0.792	0.349	0.206

Peak Counts Output 3:46 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	On Peak	Kpulses
1	7.804	7.623	7.418
2	5.099	5.000	4.875
4	1.025	0.995	0.982
5	0.982	0.981	0.973
6	1.209	1.197	1.177
7	1.196	1.207	1.188
8	3.299	3.225	3.168
9	1.353	1.293	1.282
10	0.762	0.761	0.765
11	33.329	32.435	31.355
12	3.270	3.211	3.136

16	0.959	0.956	0.926
17	0.669	0.665	0.688
18	0.898	0.885	0.871
19	0.890	0.885	0.882
20	19.866	18.494	18.116
21	149.446	145.686	141.633
24	1.347	1.333	1.310
27	0.164	0.164	0.164
28	25.488	24.619	23.988

ckground Counts Output 3:47 PM June 23, 1994

sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background Kpulses
1	BG2	0.617
2	BG2	0.706
4	BG2	1.523
5	BG2	0.877
6	BG1	0.410
7	BG2	1.310
8	BG1	0.585
9	BG1	1.229
9	BG2	1.639
10	BG1	0.586
11	BG2	1.140
13	BG1	0.880
14	BG1	0.760
15	BG1	0.931
15	BG2	0.861
16	BG2	0.760
17	BG2	0.660
18	BG1	0.721
19	BG1	0.790
20	BG1	0.669
21	BG1	0.523
24	BG2	0.801
27	No Background Measurement Positions	
28	BG2	1.061

ple Id 1 : 1476L Sample Id 2 : 47 3:47 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.393	2.954	-0.274	0.015	0.342	-0.080	3.398	0.008
.	0.011	0.052	0.012	0.001	0.012	0.008	0.089	0.009
.S.D.	2.781	1.776	-4.336	6.225	3.593	9.476	2.623	123.475

	Be (ppm)	Ca (ppm)	Cu (ppm)	Mg (ppm)	Pb (ppm)	Sb (ppm)	Sn (ppm)	Al (ppm)
	-0.000	14.616	0.252	-0.000	3.215	0.000	0.003	0.039
	0.000	0.393	0.008	0.000	0.102	0.002	0.002	0.005
.S.D.	81.988	2.837	3.003	88.163	3.172	492.095	89.914	11.852

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	0.496	0.471	41.657	0.091	0.164	0.697
	0.015	0.010	1.125	0.004	0.000	0.022
.S.D.	3.117	2.097	2.701	4.533	0.000	3.196

Peak Counts Output 3:51 PM June 23, 1994
name : 4PDINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

vte	Channel	On Peak	Koulses
	1	1.822	1.822	1.824
	2	7.736	7.751	7.749
	4	1.104	1.093	1.088
	5	1.024	1.026	1.029
	6	2.033	2.043	2.033
	7	1.211	1.216	1.239
	8	9.371	9.372	9.375
	9	1.292	1.302	1.257
	10	0.758	0.762	0.757
	11	13.281	13.321	13.291
	13	1.263	1.258	1.263
	14	0.769	0.768	0.767
	15	0.917	0.907	0.909
	16	0.876	0.865	0.878
	17	0.683	0.670	0.632
	18	0.784	0.782	0.778
	19	1.371	1.372	1.369
	20	7.821	7.756	7.788
	21	114.861	114.597	115.038
	24	0.888	0.888	0.882
	27	0.165	0.165	0.165
	28	5.683	5.644	5.684

---

ground Counts Output 3:51 PM June 23, 1994
name : 4PDINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

vte	Channel	Background	Koulses
	1 BG2	0.812
	2 BG2	0.908
	4 BG2	1.681

7	BG2	1.342
8	BG1	0.880
9	BG1	1.296
9	BG2	1.726
10	BG1	0.891
11	BG2	1.682
13	BG1	0.924
14	BG1	0.748
15	BG1	0.851
15	BG2	0.834
16	BG2	0.770
17	BG2	0.644
18	BG1	0.696
19	BG1	0.786
20	BG1	0.616
21	BG1	0.475
24	BG2	0.791

27 No Background Measurement Positions

28	BG2	1.063

---

ple Id 1 : 1477 Sample Id 2 : 48 3:51 PM 23/ 6/94
sk name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.055	4.966	-0.309	0.025	0.982	-0.085	11.713	-0.018
).	0.000	0.005	0.004	0.000	0.004	0.012	0.003	0.006
R.S.D.	0.104	0.103	1.448	1.952	0.447	13.618	0.024	32.790

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	-0.000	5.461	0.026	-0.002	0.041	-0.003	0.007	0.012
).	0.000	0.009	0.000	0.000	0.003	0.001	0.001	0.001
R.S.D.	22.002	0.171	1.268	16.700	6.751	29.449	21.277	8.582

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	2.365	0.181	32.846	-0.005	0.165	0.130
).	0.006	0.001	0.027	0.001	0.000	0.001
R.S.D.	0.247	0.495	0.062	15.809	0.000	0.521

-Peak Counts Output 7:55 PM June 23, 1994
sk name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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alyte	Channel	In Peak	Kpulses
	1	11.185	11.173	11.178

5	1.448	1.444	1.448
6	2.642	2.629	2.642
7	1.384	1.391	1.382
8	24.884	24.837	24.947
9	1.617	1.630	1.613
10	0.857	0.855	0.851
11	224.108	223.943	224.350
13	7.837	7.918	7.833
14	0.801	0.803	0.804
15	2.713	2.694	2.701
16	1.697	1.676	1.721
17	0.930	0.952	0.963
18	1.144	1.158	1.126
19	1.862	1.855	1.863
20	67.721	67.356	67.729
21	698.737	697.694	699.033
24	2.358	2.355	2.367
27	0.164	0.164	0.165
28	103.718	104.230	104.405

---

kground Counts Output 3:56 PM June 23, 1994
k name : 4PDINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background	Koulsee
1	BG2	0.620	
2	BG2	1.194	
4	BG2	4.907	
5	BG2	0.953	
6	BG1	0.415	
7	BG2	2.031	
8	BG1	0.677	
9	BG1	1.523	
9	BG2	2.072	
10	BG1	0.618	
11	BG2	1.618	
13	BG1	1.064	
14	BG1	0.787	
15	BG1	1.007	
15	BG2	0.956	
16	BG2	0.880	
17	BG2	0.733	
18	BG1	0.861	
19	BG1	0.790	
20	BG1	0.886	
21	BG1	0.881	
24	BG2	0.929	
27	No Background Measurement Positions		
28	BG2	1.353	

...ple Weight : 1.0000 Solution Volume : 1.00

...Peak Integrations : 3 Off-Peak Integrations : 1

0272

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
...n	0.535	24.344	-1.790	0.087	1.436	-0.344	32.638	-0.006
...	0.000	0.028	0.009	0.000	0.006	0.004	0.075	0.002
...S.D.	0.057	0.115	0.492	0.512	0.397	1.091	0.229	35.667

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
...n	0.001	99.764	0.745	-0.003	3.974	0.002	0.044	0.079
...	0.000	0.141	0.001	0.000	0.004	0.002	0.003	0.005

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
.S.D.	5.426	0.141	0.151	14.799	0.436	103.588	7.815	6.917

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	4.220	1.753	200.710	0.291	0.164	3.030
.	0.017	0.006	0.202	0.001	0.001	0.011
.S.D.	0.395	0.331	0.101	0.475	0.351	0.352

Peak Counts Output 4:00 PM June 23, 1994

...k name : 4POINT

...ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

Ivte	Channel	On Peak	Kpulses
1	6.776	6.833	6.835
2	35.383	35.851	35.917
4	1.530	1.536	1.514
5	1.244	1.244	1.240
6	2.122	2.132	2.135
7	1.420	1.419	1.382
8	26.247	26.458	26.467
9	1.526	1.509	1.514
10	0.831	0.825	0.827
11	76.684	76.969	76.938
13	1.693	1.697	1.694
14	0.792	0.785	0.783
15	1.027	1.036	1.036
16	1.118	1.103	1.117
17	0.863	0.843	0.844
18	1.032	1.031	1.021
19	1.669	1.670	1.675
20	48.844	49.316	49.133
21	278.423	280.428	280.663
24	1.064	1.059	1.054
27	0.165	0.165	0.165
28	12.272	12.318	12.285

---

k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lvte	Channel	Background	Kpulses
1	BG2	0.618	
2	BG2	1.073	
4	BG2	3.043	
5	BG2	0.857	
6	BG1	0.414	
7	BG2	1.563	
8	BG1	0.666	
9	BG1	1.490	
9	BG2	1.955	
10	BG1	0.611	
11	BG2	1.247	
13	BG1	1.005	
14	BG1	0.766	
15	BG1	0.963	
15	BG2	0.923	
16	BG2	0.520	
17	BG2	0.668	
18	BG1	0.736	
19	BG1	0.791	
20	BG1	0.778	
21	BG1	0.593	
24	BG2	0.835	
27	No Background Measurement Positions		
28	BG2	1.173	

le Id 1 : 1479 Sample Id 2 : 50 4:00 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.328	25.332	-0.824	0.062	1.051	-0.114	34.691	-0.013
	0.002	0.129	0.013	0.000	0.005	0.017	0.169	0.002
S.D.	0.555	0.510	1.205	0.743	0.493	15.073	0.487	16.965

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.001	33.382	0.062	-0.001	0.078	-0.003	0.037	0.082
	0.000	0.070	0.000	0.001	0.003	0.001	0.002	0.002
S.D.	8.338	0.207	0.354	88.806	4.118	36.343	6.203	2.511

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	3.495	1.295	80.281	0.024	0.165	0.315
	0.012	0.006	0.354	0.001	0.000	0.001
S.D.	0.352	0.496	0.441	4.669	0.000	0.211

-Peak Counts Output 4:05 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Kpulses	
	1	11.041	10.987	11.089
	2	19.224	19.154	19.294
	4	1.782	1.789	1.800
	5	1.707	1.710	1.720
	6	2.856	2.848	2.858
	7	1.738	1.756	1.741
	8	15.177	15.135	15.268
	9	1.656	1.633	1.653
	10	0.961	0.966	0.961
	11	272.536	272.462	274.080
	13	7.876	7.838	7.912
	14	0.808	0.812	0.812
	15	6.524	6.458	6.579
	16	2.154	2.175	2.165
	17	0.993	1.022	0.996
	18	1.733	1.715	1.746
	19	1.446	1.446	1.444
	20	162.344	162.397	163.376
	21	1139.749	1135.404	1143.131
	24	3.516	3.515	3.513
	27	0.164	0.164	0.164
	28	46.103	46.172	46.352

kground Counts Output 4:05 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel		Background	Kpulses
	1	BG2	0.623	
	2	BG2	1.258	
	4	BG2	6.680	
	5	BG2	0.999	
	6	BG1	0.412	
	7	BG2	2.408	
	8	BG1	0.684	
	9	BG1	1.528	
	9	BG2	2.072	
	10	BG1	0.635	
	11	BG2	1.747	
	13	BG1	1.407	
	14	BG1	0.791	
	15	BG1	1.034	
	16	BG2	1.017	
	18	BG2	0.957	
	17	BG2	0.611	

17 BG1 0.788
20 BG1 1.191
21 BG1 1.178
24 BG2 0.999
27 No Background Measurement Positions
28 BG2 1.479

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ple Id 1 : 1480 Sample Id 2 : 51 4:05 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.476	13.097	-2.664	0.126	1.603	-0.515	19.512	0.001
.	0.003	0.051	0.005	0.001	0.004	0.008	0.092	0.003
.S.D.	0.534	0.391	0.186	1.037	0.251	1.489	0.473	602.604

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.002	121.593	0.701	-0.002	2.989	-0.010	0.041	0.236
.	0.000	0.410	0.004	0.001	0.032	0.001	0.003	0.005
.S.D.	2.956	0.337	0.614	31.543	1.075	14.266	7.843	2.235

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	2.650	4.311	327.552	0.530	0.164	1.270
.	0.004	0.016	1.115	0.000	0.000	0.004
.S.D.	0.167	0.363	0.340	0.064	0.000	0.291

Peak Counts Output 4:09 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
1	161.246	155.905	152.178	
2	135.562	131.473	128.478	
4	18.101	17.425	17.038	
5	46.639	44.880	43.819	
6	118.623	114.918	111.279	
7	12.269	11.756	11.520	
8	21.213	21.011	20.899	
9	42.784	41.008	40.021	
10	146.215	140.680	136.986	
11	452.885	445.314	441.628	
13	83.872	81.241	79.164	
14	6.391	6.233	6.157	
15	21.901	21.302	20.865	
16	41.550	40.116	39.020	
17	47.814	42.039	41.005	

20	466.469	454.556	446.581
21	1104.980	1106.471	1109.366
24	41.094	39.629	38.751
27	0.166	0.166	0.165
28	323.190	311.829	305.465

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kground Counts Output 4:09 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background Kpulses
1	BG2	0.679
2	BG2	1.695
4	BG2	6.857
5	BG2	1.053
6	BG1	0.566
7	BG2	2.484
8	BG1	0.895
9	BG1	2.009
9	BG2	12.779
10	BG1	2.328
11	BG2	2.163
13	BG1	1.489
14	BG1	0.908
15	BG1	1.275
15	BG2	1.128
16	BG2	1.233
17	BG2	0.894
18	BG1	1.305
19	BG1	0.820
20	BG1	2.270
21	BG1	1.193
24	BG2	1.120
27	No Background Measurement Positions	
28	BG2	1.638

:le Id 1 : +ICL Sample Id 2 : 52 4:09 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	8.990	95.065	5.845	8.610	86.740	7.472	27.120	8.312
	0.267	2.598	4.294	0.279	2.793	0.305	0.216	0.344
.S.D.	2.971	2.733	5.035	3.239	3.220	4.075	0.796	4.136

	Be (ppm)	Ca (ppm)	Cr (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	3.195	199.220	5.079	1.345	10.672	4.077	8.383	8.136

[illegible]	[illegible]	1.171	2.784	2.241	2.331	3.370	3.483	3.310

10277

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	89.849	12.352	318.195	8.533	0.166	9.254
.	3.001	0.276	0.642	0.262	0.001	0.268
.S.D.	3.340	2.232	0.202	3.068	0.349	2.901

Peak Counts Output 4:14 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses	
	1	13.472	13.460	13.520
	2	17.251	17.297	17.345
	4	1.956	1.932	1.940
	5	1.878	1.880	1.882
	6	3.140	3.178	3.158
	7	1.769	1.774	1.783
	8	17.673	17.710	17.750
	9	1.723	1.684	1.703
	10	1.264	1.266	1.263
	11	243.804	243.506	244.118
	13	8.872	8.907	8.928
	14	0.819	0.819	0.812
	15	6.446	6.415	6.492
	16	2.255	2.232	2.282
	17	1.055	1.048	1.081
	18	1.713	1.757	1.742
	19	1.607	1.616	1.609
	20	145.793	146.037	146.243
	21	1212.256	1210.640	1212.947
	24	3.717	3.706	3.715
	27	0.164	0.165	0.165
	28	56.566	56.804	56.761

---

kground Counts Output 4:14 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1 BG2	0.621	
	2 BG2	1.264	
	4 BG2	7.035	
	5 BG2	0.996	
	6 BG1	0.412	
	7 BG2	2.435	
	8 BG1	0.655	

10	BG1	0.729
11	BG2	1.684
13	BG1	1.561
14	BG1	0.795
15	BG1	1.106
15	BG2	1.027
16	BG2	0.925
17	BG2	0.811
18	BG1	1.012
19	BG1	0.788
20	BG1	1.163
21	BG1	1.227
24	BG2	1.015

27 No Background Measurement Positions
28 BG2 1.501

---

ple Id 1 : 1481 Sample Id 2 : 53 4:14 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.611	11.685	-2.774	0.159	1.835	-0.517	22.912	0.001
,	0.002	0.034	0.007	0.000	0.014	0.006	0.052	0.005
.S.D.	0.266	0.294	0.241	0.244	0.788	1.091	0.228	702.358

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.008	108.524	0.799	-0.001	2.947	-0.006	0.051	0.229
.	0.000	0.137	0.003	0.001	0.020	0.003	0.004	0.008
.S.D.	0.430	0.126	0.403	93.519	0.693	44.401	6.955	3.311

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	3.275	3.844	348.413	0.570	0.165	1.579
.	0.018	0.006	0.341	0.001	0.001	0.004
.S.D.	0.552	0.160	0.098	0.227	0.351	0.242

Peak Counts Output 4:18 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte	Channel	On Peak	Kpulses	
	1	47.312	47.423	47.375
	2	20.552	20.581	20.622
	4	5.597	5.466	5.505
	5	4.271	4.271	4.262
	6	3.177	3.174	3.181

9	2.933	2.946	2.937
10	3.101	3.097	3.097
11	280.068	279.857	279.72e
13	10.525	10.561	10.565
14	1.002	1.305	1.006
15	8.592	8.681	8.666
16	2.357	2.345	2.402
17	3.461	3.409	3.440
18	2.907	2.575	2.524
19	1.617	1.615	1.617
20	137.858	137.502	137.513
21	912.416	913.346	912.927
24	4.305	4.296	4.303
27	0.165	0.165	0.166
28	78.175	78.439	78.193

---

kground Counts Output 4:18 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	Background	Kpulses
1	BG2	0.639	
2	BG2	1.198	
4	BG2	5.891	
5	BG2	0.974	
6	BG1	0.412	
7	BG2	2.136	
8	BG1	0.670	
9	BG1	1.503	
9	BG2	2.751	
10	BG1	0.719	
11	BG2	1.751	
13	BG1	1.443	
14	BG1	0.789	
15	BG1	1.055	
15	BG2	1.009	
16	BG2	0.908	
17	BG2	0.754	
18	BG1	0.898	
19	BG1	0.786	
20	BG1	1.100	
21	BG1	1.021	
24	BG2	0.972	
27	No Background Measurement Positions		
28	BG2	1.405	

---

le Id 1 : 1482 Sample Id 2 : 54 4:18 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution .olume : 1.00
eak Integrations : 3 Off-Pea. Integrations : 1

	Ba (ppm)	Ag (ppm)	As (ppm)	V (ppm)	Mo (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	2.628	14.143	-0.190	0.633	1.849	1.107	25.765	0.234
	0.003	0.017	0.037	0.001	0.003	0.023	0.027	0.002
.S.D.	0.122	0.121	19.347	0.161	0.144	2.101	0.104	0.734

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.051	124.666	1.007	0.048	4.079	0.045	0.547	0.666
	0.000	0.077	0.003	0.000	0.021	0.004	0.005	0.004
.S.D.	0.105	0.062	(.248	0.796	0.503	8.014	0.975	0.672

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	3.304	3.653	262.411	0.710	0.165	2.243
	0.004	0.006	0.157	0.001	0.001	0.004
.S.D.	0.134	0.160	0.060	0.147	0.349	0.195

Peak Counts Output 4:23 PM June 23, 1994
name : 4POINT
:le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

.vte	Channel	On Peak	Kpulses
1	87.425	87.450	87.767
2	69.897	69.872	70.246
4	10.490	10.507	10.505
5	26.854	26.900	26.996
6	66.727	66.193	67.191
7	7.456	7.389	7.549
8	4.518	4.526	4.545
9	25.548	25.499	25.627
10	89.386	89.572	90.073
11	115.026	115.011	115.193
13	45.055	45.100	45.350
14	4.524	4.526	4.536
15	10.742	10.683	10.719
16	24.510	24.540	24.550
17	25.604	25.741	25.813
18	15.219	15.165	15.285
19	13.908	13.787	13.991
20	184.840	184.733	184.891
21	16.496	16.598	16.468
24	22.900	22.980	22.969
27	0.165	0.165	0.164
28	171.095	171.401	171.680

---

ground Counts Output 4:23 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

1	BG2	0.659
2	BG2	1.185
4	BG2	1.172
5	BG2	0.926
6	BG1	0.471
7	BG2	1.317
8	BG1	0.663
9	BG1	1.493
9	BG2	3.381
10	BG1	1.520
11	BG2	1.379
13	BG1	0.837
14	BG1	0.807
15	BG1	0.970
15	BG2	0.934
16	BG2	0.943
17	BG2	0.723
18	BG1	0.804
19	BG1	0.863
20	BG1	1.051
21	BG1	0.435
24	BG2	0.872
27	No Background Measurement Positions	
28	BG2	1.143

CCUPS BOT

ple Id 1 : [illegible] Sample Id 2 : 55 4:23 PM 23/ 6/94

name : 4POINT Sequence name : 4POINT Result File : P0623941

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	5.093	50.256	5.133	5.084	50.124	4.898	5.029	5.074
	0.011	0.153	0.035	0.014	0.380	0.064	0.019	0.017
S.D.	0.120	0.304	0.679	0.279	0.758	1.304	0.374	0.338

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	2.015	50.953	5.045	0.933	5.116	2.548	5.062	4.873
	0.008	0.045	0.018	0.002	0.016	0.004	0.022	0.015
S.D.	0.404	0.089	0.359	0.165	0.304	0.149	0.425	0.316

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	50.177	5.051	4.529	4.855	0.165	5.085
	0.092	0.002	0.028	0.010	0.001	0.009
S.D.	0.782	0.044	0.435	0.197	0.351	0.172

---

eak Counts Output 4:27 PM June 23, 1994

name : 4POINT

Peak Integrations : 3 Off-Peak Integrations : 1

Ivte	Channel	On Peak	Koulsee
1	0.671	0.670	0.668
2	0.895	0.898	0.892
4	0.395	0.869	0.874
5	0.877	0.883	0.879
6	0.687	0.688	0.680
7	1.134	1.125	1.139
8	0.715	0.717	0.711
9	1.256	1.222	1.191
10	0.762	0.765	0.762
11	1.109	1.116	1.108
13	0.878	0.882	0.877
14	0.779	0.783	0.774
15	0.846	0.836	0.837
16	0.747	0.734	0.769
17	0.644	0.642	0.645
18	0.688	0.681	0.675
19	0.755	0.755	0.750
20	0.675	0.665	0.648
21	0.456	0.472	0.463
24	0.781	0.783	0.783
27	0.166	0.166	0.165
28	1.056	1.037	1.021

pground Counts Output 4:27 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ivte	Channel	Background	Koulsee
1	B62	0.618	
2	B62	0.860	
4	B62	0.873	
5	B62	0.873	
6	B61	0.417	
7	B62	1.128	
8	B61	0.543	
9	B61	1.139	
9	B62	1.627	
10	B61	0.568	
11	B62	1.077	
13	B61	0.795	
14	B61	0.754	
15	B61	0.854	
15	B62	0.849	
16	B62	0.733	
17	B62	0.652	
18	B61	0.675	
19	B61	0.752	
20	B61	0.674	
21	B61	0.475	

28 BG2 0.999

---

ample Id 1 : CCB5 Sample Id 2 : 56 4:27 PM 23/ 6/94
ask name : 4POINT Sequence name : 4POINT Result File : P0623941
ample Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.000	-0.005	0.004	-0.002	-0.051	0.014	0.007	-0.007
).	0.000	0.002	0.008	0.001	0.003	0.006	0.004	0.008
R.S.D.	23.314	40.897	197.137	25.482	6.560	41.747	63.348	108.854

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.000	-0.000	-0.000	0.003	-0.005	-0.000	-0.002	-0.015
).	0.000	0.002	0.000	0.001	0.003	0.002	0.000	0.002
R.S.D.	11.566	774240.542	115.860	39.829	51.344	1769.373	17.625	14.991

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	-0.012	-0.002	-0.084	-0.025	0.166	0.000
).	0.011	0.000	0.005	0.000	0.001	0.001
R.S.D.	61.883	16.635	2.406	1.017	0.349	135.950

-Peak Counts Output 4:32 PM June 23, 1994
ask name : 4POINT
ample Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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elvte Channel	On Peak	Kpulses	
1	13.589	13.625	13.531
2	19.892	19.923	19.808
4	1.882	1.870	1.862
5	1.544	1.549	1.543
6	3.607	3.611	3.577
7	1.475	1.507	1.520
8	17.396	17.445	17.355
9	1.542	1.522	1.540
10	0.953	0.956	0.953
11	248.226	249.184	247.817
13	6.382	6.398	6.372
14	0.791	0.793	0.795
15	8.134	8.121	8.179
16	1.424	1.453	1.418
17	0.839	0.832	0.872
18	1.279	1.301	1.270
19	1.584	1.587	1.577
20	97.549	97.515	96.969
21	543.847	543.249	541.573

27	0.166	0.166	0.163
28	48.177	48.490	48.037

---

kground Counts Output 4:32 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background Kpulses
	1 BG2	0.614
	2 BG2	1.687
	4 BG2	3.849
	5 BG2	0.929
	6 BG1	0.410
	7 BG2	1.856
	8 BG1	0.642
	9 BG1	1.409
	9 BG2	2.009
	10 BG1	0.719
	11 BG2	1.865
	13 BG1	1.593
	14 BG1	0.765
	15 BG1	1.015
	15 BG2	0.976
	16 BG2	0.851
	17 BG2	0.698
	18 BG1	0.829
	19 BG1	0.782
	20 BG1	0.906
	21 BG1	0.770
	24 BG2	0.892
	27 No Background Measurement Positions	
	28 BG2	1.256

---

ple Id 1 : 1483 Sample Id 2 : 57 4:32 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Be (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	0.594	13.697	-1.071	0.112	2.171	-0.273	22.521	-0.005
).	0.003	0.043	0.006	0.001	0.014	0.018	0.051	0.003
R.S.D.	0.378	0.317	0.514	0.550	0.651	6.752	0.272	50.084

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
an	0.001	110.595	0.524	0.001	3.802	-0.004	0.030	0.137
).	0.000	0.314	0.001	0.001	0.016	0.002	0.004	0.005
R.S.D.	3.151	0.284	0.279	99.413	0.416	43.839	14.305	3.942

	K	Mn	Fe	Cr	Mo	Zn

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0.020	0.009	0.391	0.002	0.001	0.007
.S.D.	0.615	0.341	0.250	0.677	0.349	0.500

Peak Counts Output 4:36 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte Channel On Peak Xpulses

1	0.662	0.654	0.662
2	0.903	0.882	0.899
4	0.868	0.872	0.865
5	0.887	0.870	0.884
6	0.677	0.673	0.683
7	1.132	1.116	1.116
8	0.722	0.713	0.715
9	1.201	1.183	1.237
10	0.756	0.748	0.753
11	1.126	1.111	1.119
13	0.881	0.864	0.882
14	0.786	0.776	0.785
15	0.842	0.834	0.840
16	0.749	0.735	0.756
17	0.650	0.638	0.653
18	0.668	0.665	0.690
19	0.757	0.746	0.754
20	0.649	0.648	0.654
21	0.503	0.508	0.500
24	0.783	0.773	0.791
27	0.165	0.165	0.165
28	1.049	1.055	1.046

---

ground Counts Output 4:36 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte Channel Background Xpulses

1	BG2	0.615
2	BG2	0.863
4	BG2	0.866
5	BG2	0.861
6	BG1	0.415
7	BG2	1.145
8	BG1	0.551
9	BG1	1.215
9	BG2	1.592
10	BG1	0.570
11	BG2	1.071

14	BG1	0.763
15	BG1	0.843
15	BG2	0.848
16	BG2	0.753
17	BG2	0.635
18	BG1	0.665
19	BG1	0.797
20	BG1	0.613
21	BG1	0.409
24	BG2	0.772
27	No Background Measurement Positions	
28	BG2	0.999

---

ple Id 1 : 1595 Sample Id 2 : 58 4:36 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	-0.000	-0.008	0.013	0.000	-0.055	-0.009	0.006	-0.010
.	0.000	0.008	0.002	0.002	0.004	0.007	0.006	0.007
.S.D.	557.446	104.514	15.270	1339.730	6.915	81.467	113.711	68.201

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	0.006	-0.001	-0.002	-0.002	-0.000	0.002	-0.014
.	0.000	0.003	0.001	0.001	0.002	0.001	0.002	0.005
.S.D.	175.068	54.921	132.711	63.636	88.241	244.616	68.034	33.786

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	-0.041	-0.002	-0.074	-0.024	0.165	0.001
.	0.022	0.000	0.001	0.002	0.000	0.000
.S.D.	53.317	4.387	1.577	8.462	0.000	18.427

Peak Counts Output 4:41 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte	Channel	On Peak	Kpulses	
	1	25.898	25.818	25.971
	2	13.019	12.976	13.043
	4	2.280	2.211	2.251
	5	2.829	2.819	2.834
	6	5.815	5.786	5.815
	7	1.824	1.869	1.833
	8	13.645	13.610	13.649
	9	2.282	2.240	2.272
	10	21.589	21.498	21.603

13	6.397	6.381	6.408
14	3.533	3.523	3.537
15	2.375	2.305	2.329
16	5.967	5.972	5.978
17	3.218	3.220	3.240
18	3.101	3.095	3.089
19	3.652	3.642	3.644
20	36.597	36.566	36.711
21	89.094	88.686	89.289
24	4.097	4.077	4.110
27	0.164	0.164	0.164
28	20.504	20.466	20.426

---

kground Counts Output 4:41 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

---

lyte Channel	Background	Kpulses
1 BG2	0.621	
2 BG2	0.926	
4 BG2	1.733	
5 BG2	0.870	
6 BG1	0.413	
7 BG2	1.332	
8 BG1	0.607	
9 BG1	1.339	
9 BG2	2.207	
10 BG1	0.882	
11 BG2	1.159	
13 BG1	1.282	
14 BG1	0.758	
15 BG1	0.905	
15 BG2	0.897	
16 BG2	0.780	
17 BG2	0.624	
18 BG1	0.694	
19 BG1	0.785	
20 BG1	0.713	
21 BG1	0.466	
24 BG2	0.790	
27 No Background Measurement Positions		
28 BG2	1.086	

---

ple Id 1 : 1596 Sample Id 2 : 59 4:41 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	1.467	8.801	0.293	0.379	3.847	0.415	17.460	0.157

.S.D.	0.303	0.282	6.476	0.394	0.331	4.559	0.167	3.431

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.472	19.100	0.571	0.694	0.762	0.550	0.527	0.798
.	0.001	0.041	0.002	0.002	0.019	0.001	0.002	0.002
.S.D.	0.278	0.212	0.270	0.263	2.447	0.106	0.468	0.255

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	11.066	0.975	25.391	0.705	0.164	0.573
.	0.020	0.002	0.089	0.004	0.000	0.001
.S.D.	0.183	0.212	0.349	0.521	0.000	0.204

-Peak Counts Output 4:45 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses	
	1	6.845	6.816	6.836
	2	108.636	108.075	108.298
	4	1.211	1.218	1.209
	5	1.138	1.147	1.143
	6	2.390	2.367	2.382
	7	1.342	1.329	1.315
	8	13.655	13.624	13.657
	9	1.419	1.406	1.417
	10	0.792	0.796	0.795
	11	693.858	694.730	696.504
	13	1.485	1.488	1.495
	14	0.787	0.795	0.794
	15	0.933	0.972	0.944
	16	0.949	0.955	0.950
	17	0.821	0.814	0.818
	18	0.943	0.934	0.914
	19	1.676	1.668	1.674
	20	79.081	79.268	79.611
	21	154.542	154.510	154.824
	24	1.005	1.010	1.007
	27	0.164	0.164	0.165
	28	6.101	6.111	6.067

ckground Counts Output 4:45 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Kpulses
	1	862	0.613

4	BG2	2.089
5	BG2	0.948
6	BG1	0.407
7	BG2	1.422
8	BG1	0.648
9	BG1	1.384
9	BG2	1.763
10	BG1	0.598
11	BG2	2.734
13	BG1	0.939
14	BG1	0.765
15	BG1	0.928
15	BG2	0.895
16	BG2	0.805
17	BG2	0.653
18	BG1	0.764
19	BG1	0.780
20	BG1	0.840
21	BG1	0.521
24	BG2	0.887
27	No Background Measurement Positions	
28	BG2	1.112

---

ple Id 1 : 1579 Sample Id 2 : 60 4:45 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.344	78.131	-0.468	0.033	1.246	-0.064	17.419	-0.001
.	0.001	0.206	0.003	0.001	0.009	0.011	0.025	0.002
.S.D.	0.251	0.264	0.552	2.662	0.713	16.669	0.144	208.970

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	310.326	0.049	0.000	0.037	-0.003	0.033	0.040
.	0.000	0.604	0.001	0.001	0.011	0.000	0.001	0.005
.S.D.	12.764	0.195	1.180	430.806	28.404	11.762	2.137	12.731

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	3.542	2.139	44.259	0.001	0.164	0.139
.	0.016	0.007	0.050	0.001	0.001	0.001
.S.D.	0.449	0.345	0.112	73.555	0.351	0.502

-Peak Counts Output 4:50 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses

2	25.421	24.585	23.693
4	0.926	0.953	0.934
5	0.937	0.932	0.930
6	1.098	1.078	1.068
7	1.116	1.180	1.158
8	3.656	3.572	3.444
9	1.276	1.281	1.253
10	0.759	0.759	0.759
11	158.153	152.263	147.021
13	1.026	1.009	1.009
14	0.778	0.776	0.776
15	0.884	0.848	0.853
16	0.785	0.787	0.767
17	0.677	0.669	0.660
18	0.760	0.758	0.759
19	0.962	0.952	0.945
20	18.588	17.930	17.272
21	35.610	34.495	33.226
24	0.837	0.828	0.822
27	0.165	0.164	0.165
28	2.248	2.192	2.169

---

ground Counts Output 4:50 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	Background Kpulses
1	BG2	0.615
2	BG2	0.956
4	BG2	1.128
5	BG2	0.881
6	BG1	0.410
7	BG2	1.175
8	BG1	0.575
9	BG1	1.240
9	BG2	1.679
10	BG1	0.576
11	BG2	1.381
13	BG1	0.839
14	BG1	0.761
15	BG1	0.870
15	BG2	0.851
16	BG2	0.769
17	BG2	0.628
18	BG1	0.695
19	BG1	0.792
20	BG1	0.684
21	BG1	0.431
24	BG2	0.804
27	No Background Measurement Positions	
28	BG2	1.045

---

ple Id 1 : 1579L Sample Id 2 : 61 4:50 PM 23/ 6/94

k name : 4POINT Sequence name : 4POINT Result File : P0623941

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

0291

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.074	17.221	-0.093	0.006	0.256	-0.009	3.828	-0.008
.	0.003	0.631	0.008	0.001	0.012	0.026	0.145	0.004
.S.D.	3.853	3.667	8.174	11.154	4.534	286.765	3.785	43.430

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	67.719	0.009	-0.003	0.005	-0.003	0.008	0.005
.	0.000	2.497	0.001	0.000	0.010	0.001	0.002	0.000
.S.D.	0.000	3.687	11.670	11.187	196.978	37.744	21.087	7.011

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.745	0.468	9.690	-0.020	0.165	0.032
.	0.033	0.018	0.343	0.002	0.001	0.001
.S.D.	4.381	3.843	3.544	8.214	0.351	3.603

Peak Counts Output 4:54 PM June 23, 1994

name : 4POINT

ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

lyte Channel	On Peak	Kpulses	
1	0.651	0.650	0.650
2	0.885	0.884	0.886
4	0.877	0.864	0.888
5	0.874	0.871	0.869
6	0.672	0.669	0.668
7	1.160	1.108	1.092
8	0.714	0.709	0.711
9	1.198	1.190	1.239
10	0.752	0.751	0.748
11	1.137	1.127	1.122
13	0.869	0.867	0.865
14	0.775	0.771	0.774
15	0.826	0.836	0.835
16	0.735	0.738	0.729
17	0.638	0.618	0.632
18	0.679	0.650	0.673
19	0.748	0.747	0.747
20	0.650	0.615	0.647
21	0.434	0.431	0.432
24	0.772	0.778	0.775
27	0.165	0.165	0.165
28	1.032	1.032	1.027

kground Counts Output 4:54 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulsees
	1	BG2	0.615
	2	BG2	0.861
	4	BG2	0.863
	5	BG2	0.864
	6	BG1	0.418
	7	BG2	1.138
	8	BG1	0.550
	9	BG1	1.193
	9	BG2	1.619
	10	BG1	0.572
	11	BG2	1.068
	13	BG1	0.793
	14	BG1	0.759
	15	BG1	0.834
	15	BG2	0.841
	16	BG2	0.742
	17	BG2	0.617
	18	BG1	0.677
	19	BG1	0.795
	20	BG1	0.617
	21	BG1	0.395
	24	BG2	0.771
	27	No Background Measurement Positions	
	28	BG2	0.994

le Id 1 : 0802 Sample Id 2 : 62 4:54 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	-0.001	-0.013	0.019	-0.002	-0.063	-0.005	-0.000	-0.010
	0.000	0.001	0.007	0.000	0.002	0.028	0.003	0.006
S.D.	5.912	5.454	35.337	22.231	2.515	626.763	1418.933	63.098

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	-0.000	0.012	-0.001	-0.003	-0.002	-0.001	0.002	-0.020
	0.000	0.003	0.000	0.001	0.003	0.000	0.002	0.005
S.D.	123.066	28.642	16.288	17.861	179.855	76.712	85.527	25.770

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	-0.052	-0.002	-0.090	-0.025	0.165	0.000
	0.002	0.001	0.000	0.001	0.000	0.000
S.D.	4.225	21.462	0.487	2.657	0.000	28.102

Peak Counts Output 4:59 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak		Kpulses
1		0.704	0.701	0.702
2		0.905	0.907	0.903
4		0.913	0.909	0.936
5		6.115	6.105	6.096
6		3.043	3.061	3.058
7		2.930	3.007	2.901
8		1.506	1.510	1.502
9		129.485	129.817	129.414
10		22.133	22.169	22.051
11		2.883	2.870	2.859
13		5.546	5.566	5.545
14		2.583	2.579	2.571
15		0.982	1.010	0.989
16		5.659	5.710	5.692
17		3.264	3.287	3.213
18		1.581	1.591	1.597
19		2.976	2.996	2.985
20		20.012	20.084	19.938
21		3.065	3.070	3.087
24		3.072	3.067	3.058
27		0.165	0.165	0.164
28		18.630	18.826	18.538

ground Counts Output 4:59 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	Background	Kpulses
1	BG2	0.611	
2	BG2	0.856	
4	BG2	0.933	
5	BG2	0.863	
6	BG1	0.409	
7	BG2	1.191	
8	BG1	0.556	
9	BG1	1.827	
9	BG2	3.576	
10	BG1	0.786	
11	BG2	1.061	
13	BG1	0.782	
14	BG1	0.749	
15	BG1	0.877	
15	BG2	0.829	

18	BG1	0.688
19	BG1	0.778
20	BG1	0.643
21	BG1	0.401
24	BG2	0.783
27	No Background Measurement Positions	
28	BG2	1.026

---

ple Id 1 : 0804 Sample Id 2 : 63 4:59 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00

Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.002	0.005	0.004	1.023	1.757	1.405	1.070	31.181
	0.000	0.001	0.008	0.002	0.007	0.044	0.005	0.053
.S.D.	3.739	30.010	208.219	0.182	0.417	3.100	0.507	0.169

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.487	0.796	0.534	0.455	0.075	0.531	0.529	0.289
	0.001	0.005	0.001	0.002	0.008	0.003	0.008	0.003
.S.D.	0.286	0.677	0.253	0.339	10.169	0.527	1.449	0.949

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	8.569	0.530	0.668	0.479	0.165	0.526
	0.038	0.002	0.003	0.002	0.001	0.004
.S.D.	0.447	0.379	0.497	0.328	0.351	0.835

Peak Counts Output 5:03 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	On Peak	Kpulses	
	1	184.475	183.492	183.610
	2	15.818	15.773	15.793
	4	0.863	0.879	0.900
	5	0.913	0.905	0.917
	6	39.848	40.125	39.833
	7	1.155	1.170	1.159
	8	0.776	0.785	0.781
	9	1.358	1.368	1.369
	10	0.794	0.794	0.792
	11	51.025	50.780	50.820
	13	0.934	0.938	0.935
	14	0.797	0.799	0.799
	15	0.839	0.836	0.845

17	0.644	0.637	0.636
18	0.682	0.687	0.683
19	5.027	5.064	5.040
20	0.851	0.866	0.842
21	0.454	0.460	0.446
24	0.799	0.800	0.805
27	0.165	0.165	0.165
28	1.121	1.106	1.128

---

kground Counts Output 5:03 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00

-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background Kpulses
1	BG2	0.699
2	BG2	0.934
4	BG2	0.894
5	BG2	0.908
6	BG1	0.449
7	BG2	1.159
8	BG1	0.553
9	BG1	1.254
9	BG2	1.716
10	BG1	0.571
11	BG2	1.181
13	BG1	0.799
14	BG1	0.772
15	BG1	0.871
15	BG2	0.857
16	BG2	0.759
17	BG2	0.627
18	BG1	0.700
19	BG1	0.799
20	BG1	0.635
21	BG1	0.409
24	BG2	0.797
27	No Background Measurement Positions	
28	BG2	1.000

---

ple Id 1 : 0806 Sample Id 2 : 64 5:03 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mo (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
an	10.721	10.828	0.004	-0.003	29.779	0.012	0.090	0.009
).	0.031	0.016	0.010	0.001	0.125	0.006	0.006	0.001
.S.D.	0.293	0.152	253.100	40.771	0.420	52.981	6.816	17.520

	Be	Ca	Cu	Ag	Pb	Cd	Co	Ni

).	0.000	0.059	0.000	0.000	0.002	0.000	0.002	0.001
:.S.D.	2.729	0.265	4.129	334.566	20.924	20.098	30.607	4.025

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
an	16.356	0.003	-0.088	-0.025	0.165	0.003
).	0.072	0.000	0.002	0.001	0.000	0.000
R.S.D.	0.439	11.276	2.291	2.855	0.000	12.197

-Peak Counts Output 5:08 PM June 23, 1994

sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	On Peak	Kpulses	
	1	2.118	2.120	2.121
	2	35.609	35.536	35.583
	4	0.930	0.923	0.903
	5	0.919	0.926	0.923
	6	41.550	41.184	41.300
	7	1.162	1.187	1.127
	8	0.965	0.969	0.962
	9	1.292	1.347	1.294
	10	0.753	0.758	0.757
	11	181.698	181.948	182.105
	13	1.072	1.077	1.074
	14	0.788	0.794	0.790
	15	0.899	0.883	0.872
	16	0.774	0.769	0.779
	17	0.658	0.638	0.651
	18	0.715	0.715	0.710
	19	1.931	1.926	1.926
	20	2.803	2.816	2.799
	21	1.940	1.976	1.952
	24	0.822	0.832	0.825
	27	0.165	0.165	0.165
	28	2.412	2.343	2.323

:kground Counts Output 5:08 PM June 23, 1994
sk name : 4POINT
mple Weight : 1.0000 Solution Volume : 1.00
-Peak Integrations : 3 Off-Peak Integrations : 1

alyte	Channel	Background	Kpulses
	1 BG2	0.616	
	2 BG2	1.025	
	4 BG2	0.944	
	5 BG2	0.902	
	6 BG1	0.446	

9	BG1	1.235
9	BG2	1.627
10	BG1	0.575
11	BG2	1.508
13	BG1	0.809
14	BG1	0.768
15	BG1	0.858
15	BG2	0.858
16	BG2	0.772
17	BG2	0.654
18	BG1	0.713
19	BG1	0.789
20	BG1	0.634

21	BG1	0.416
24	BG2	0.821
27	No Background Measurement Positions	
28	BG2	1.042

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ple Id 1 : 0786 Sample Id 2 : 65 5:08 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.085	25.216	-0.003	0.000	30.854	-0.009	0.317	0.009
.	0.000	0.027	0.008	0.001	0.142	0.024	0.005	0.008
.S.D.	0.104	0.107	300.142	180.209	0.461	273.843	1.502	86.825

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.000	80.858	0.020	-0.001	0.015	0.000	-0.001	-0.017
.	0.000	0.092	0.000	0.001	0.007	0.001	0.002	0.001
.S.D.	271.313	0.114	1.406	91.977	46.701	217.549	190.292	5.843

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	4.483	0.057	0.342	-0.025	0.165	0.038
.	0.011	0.000	0.005	0.001	0.000	0.001
.S.D.	0.246	0.429	1.542	4.599	0.000	3.626

Peak Counts Output 5:12 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
	1	0.974	0.967	0.952
	2	8.608	8.275	8.059
	4	0.857	0.870	0.886

7	1.167	1.135	1.144
8	0.764	0.766	0.763
9	1.230	1.227	1.202
10	0.748	0.753	0.749
11	40.418	38.886	37.688
13	0.941	0.946	0.935
14	0.772	0.776	0.770
15	0.826	0.842	0.816
16	0.758	0.756	0.734
17	0.619	0.619	0.628
18	0.728	0.740	0.730
19	1.013	1.007	0.996
20	1.110	1.093	1.085
21	0.752	0.738	0.738
24	0.782	0.783	0.781
27	0.165	0.166	0.165
28	1.336	1.334	1.352

---

ground Counts Output 5:12 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

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yte	Channel	Background Kpulses
1	BG2	0.613
2	BG2	0.869
4	BG2	0.882
5	BG2	0.870
6	BG1	0.421
7	BG2	1.139
8	BG1	0.553
9	BG1	1.214
9	BG2	1.625
10	BG1	0.570
11	BG2	1.149
13	BG1	0.794
14	BG1	0.759
15	BG1	0.859
15	BG2	0.864
16	BG2	0.750
17	BG2	0.650
18	BG1	0.679
19	BG1	0.790
20	BG1	0.629
21	BG1	0.400
24	BG2	0.787
27	No Background Measurement Positions	
28	BG2	1.011

---

le Id 1 : 0786L Sample Id 2 : 66 5:12 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941

Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	0.018	5.395	0.005	-0.002	6.619	0.017	0.068	-0.011
.	0.001	0.202	0.008	0.001	0.241	0.013	0.002	0.004
.S.D.	3.673	3.746	150.295	37.627	3.637	75.031	3.066	34.753

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	-0.000	16.951	0.007	-0.003	-0.016	0.000	-0.006	0.001
.	0.000	0.613	0.001	0.001	0.007	0.001	0.001	0.002
.S.D.	10653.536	3.619	9.130	24.794	41.853	1318.628	18.339	163.578

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.953	0.010	-0.002	-0.027	0.165	0.009
.	0.033	0.000	0.002	0.000	0.001	0.000
.S.D.	3.458	3.587	97.392	0.820	0.349	3.258

Peak Counts Output 5:17 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses	
	1	88.073	88.598	88.691
	2	70.239	70.576	70.593
	4	10.523	10.535	10.490
	5	27.064	27.189	27.192
	6	66.725	67.118	67.096
	7	7.444	7.526	7.541
	8	4.541	4.556	4.553
	9	25.748	25.551	25.767
	10	90.702	91.164	91.058
	11	115.309	115.916	115.926
	13	45.396	45.709	45.710
	14	4.511	4.521	4.528
	15	10.675	10.717	10.830
	16	24.652	24.907	24.894
	17	25.921	26.102	26.060
	18	15.269	15.383	15.284
	19	13.915	13.967	13.980
	20	185.747	186.402	186.334
	21	16.405	16.506	16.461
	24	23.001	23.130	23.118
	27	0.165	0.165	0.165
	28	171.637	172.300	172.488

---

ground Counts Output 5:17 PM June 23, 1994
name : 4POINT

Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1	BG2	0.655
	2	BG2	1.173
	4	BG2	1.154
	5	BG2	0.924
	6	BG1	0.467
	7	BG2	1.236
	8	BG1	0.657
	9	BG1	1.490
	9	BG2	8.455
	10	BG1	1.519
	11	BG2	1.381
	13	BG1	0.832
	14	BG1	0.796
	15	BG1	0.964
	15	BG2	0.930
	16	BG2	0.940
	17	BG2	0.704
	18	BG1	0.816
	19	BG1	0.790
	20	BG1	1.089
	21	BG1	0.430
	24	BG2	0.867
	27	No Background Measurement Positions	
	28	BG2	1.124

ple Id 1 : CCVP6 Sample Id 2 : 67 5:17 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
n	5.136	50.604	5.133	5.130	50.336	4.994	5.064	5.097
.	0.020	0.146	0.013	0.014	0.168	0.042	0.011	0.029
.S.D.	0.380	0.288	0.248	0.279	0.334	0.831	0.213	0.576

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	2.055	51.248	5.095	0.934	5.132	2.578	5.129	4.903
.	0.006	0.158	0.021	0.002	0.042	0.016	0.019	0.021
.S.D.	0.271	0.309	0.405	0.231	0.818	0.602	0.374	0.429

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	50.451	5.088	4.513	4.887	0.165	5.108
.	0.131	0.010	0.315	0.016	0.000	0.013
.S.D.	0.261	0.195	0.323	0.322	0.000	0.261

ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses
	1	0.666	0.662	0.665
	2	0.898	0.886	0.891
	4	0.868	0.861	0.853
	5	0.884	0.878	0.882
	6	0.683	0.683	0.687
	7	1.163	1.109	1.138
	8	0.711	0.705	0.713
	9	1.220	1.207	1.219
	10	0.767	0.761	0.760
	11	1.114	1.103	1.100
	13	0.879	0.866	0.870
	14	0.778	0.774	0.776
	15	0.828	0.831	0.837
	16	0.756	0.752	0.736
	17	0.643	0.633	0.617
	18	0.663	0.655	0.687
	19	0.754	0.749	0.749
	20	0.629	0.634	0.651
	21	0.416	0.412	0.419
	24	0.786	0.775	0.786
	27	0.165	0.165	0.164
	28	1.054	1.052	1.028

kground Counts Output 5:21 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
	1	BG2	0.613
	2	BG2	0.858
	4	BG2	0.897
	5	BG2	0.860
	6	BG1	0.412
	7	BG2	1.137
	8	BG1	0.548
	9	BG1	1.180
	9	BG2	1.661
	10	BG1	0.566
	11	BG2	1.068
	13	BG1	0.795
	14	BG1	0.757
	15	BG1	0.850
	15	BG2	0.844
	16	BG2	0.740
	17	BG2	0.642
	18	BG1	0.675
	19	BG1	0.791

24	BG2	0.773
27	No Background Measurement Positions	
28	BG2	1.006

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ple Id 1 : CC86 Sample Id 2 : 68 5:21 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.000	-0.006	-0.009	0.001	-0.047	0.010	0.000	-0.012
	0.000	0.004	0.004	0.001	0.002	0.021	0.006	0.002
.S.D.	32.814	69.533	47.902	113.959	3.718	225.314	2669.250	14.248

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.000	0.002	-0.001	-0.002	-0.007	0.001	-0.002	-0.019
	0.000	0.003	0.001	0.001	0.002	0.001	0.003	0.006
.S.D.	22.750	201.061	69.308	28.620	35.527	105.312	115.719	29.526

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	-0.024	-0.003	-0.097	-0.024	0.165	0.000
	0.011	0.000	0.001	0.001	0.001	0.000
.S.D.	45.593	12.443	1.044	5.903	0.351	114.438

Peak Counts Output 5:26 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte	Channel	On Peak	Kpulses	
	1	0.653	0.657	0.656
	2	0.906	0.919	0.913
	4	1.087	1.087	1.135
	5	1.408	1.417	1.413
	6	0.714	0.725	0.720
	7	1.277	1.301	1.233
	8	0.718	0.724	0.725
	9	1.783	1.844	1.831
	10	1.216	1.220	1.218
	11	2.102	2.119	2.126
	13	1.419	1.416	1.420
	14	0.893	0.902	0.899
	15	1.074	1.076	1.072
	16	0.854	0.855	0.846
	17	1.151	1.203	1.182
	18	0.933	0.923	0.917
	19	0.748	0.755	0.754

21	0.433	0.432	0.428
24	0.866	0.874	0.881
27	0.165	0.165	0.164
28	2.657	2.676	2.681

---

kground Counts Output 5:26 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

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lyte Channel Background Kpulses

1	BG2	0.614
2	BG2	0.867
4	BG2	0.929
5	BG2	0.875
6	BG1	0.409
7	BG2	1.148
8	BG1	0.549
9	BG1	1.240
9	BG2	1.762
10	BG1	0.574
11	BG2	1.075
13	BG1	0.791
14	BG1	0.756
15	BG1	0.849
15	BG2	0.856
16	BG2	0.764
17	BG2	0.633
18	BG1	0.694
19	BG1	0.787
20	BG1	0.625
21	BG1	0.405
24	BG2	0.786
27	No Background Measurement Positions	
28	BG2	1.032

---

le Id 1 : CRI2 Sample Id 2 : 69 5:26 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	-0.000	0.002	0.106	0.102	-0.018	0.107	0.016	0.116
	0.000	0.005	0.015	0.001	0.004	0.027	0.005	0.008
S.D.	56.497	195.322	14.236	0.869	23.156	25.610	32.023	6.807

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.011	0.451	0.062	0.029	0.117	0.010	0.110	0.061
	0.000	0.006	0.000	0.001	0.001	0.001	0.005	0.003
S.D.	0.431	1.226	0.385	3.950	0.895	5.492	4.797	4.476

	(ppm)	(ppm)	(ppm)	(ppm)	(KPulses)	(ppm)
n	-0.003	0.030	-0.094	-0.006	0.165	0.048
.	0.014	0.000	0.002	0.002	0.001	0.000
.S.D.	569.426	1.495	1.686	25.664	0.351	0.814

Peak Counts Output 5:30 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1
---

lyte	Channel	On Peak	Kpulses	
	1	1.762	1.770	1.769
	2	666.723	671.350	668.115
	4	8.861	8.963	8.815
	5	1.196	1.187	1.206
	6	0.940	0.943	0.950
	7	4.146	4.096	4.207
	8	354.738	356.507	356.036
	9	4.760	4.835	4.806
	10	0.780	0.783	0.788
	11	1073.418	1077.418	1079.938
	13	1.070	1.072	1.083
	14	0.846	0.844	0.851
	15	1.859	1.815	1.826
	16	1.769	1.814	1.751
	17	0.819	0.813	0.842
	18	0.879	0.886	0.886
	19	0.757	0.756	0.758
	20	3.893	3.909	3.885
	21	592.197	594.096	593.067
	24	1.130	1.122	1.134
	27	0.166	0.166	0.165
	28	3.079	3.066	3.119

---

ground Counts Output 5:30 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1
---

lyte	Channel	Background	Kpulses
	1 BG2	0.628	
	2 BG2	3.300	
	4 BG2	16.307	
	5 BG2	1.144	
	6 BG1	0.403	
	7 BG2	4.364	
	8 BG1	2.112	
	9 BG1	4.678	
	9 BG2	5.123	

13	BG1	0.855
14	BG1	0.819
15	BG1	2.300
15	BG2	1.593
16	BG2	1.217
17	BG2	0.812
18	BG1	0.956
19	BG1	0.783
20	BG1	1.033
21	BG1	0.885
24	BG2	1.163
27	No Background Measurement Positions	
28	BG2	1.860

---

ole Id 1 : ICSA2 Sample Id 2 : 70 5:30 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ole Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	-0.004	486.201	-4.052	0.002	0.157	-0.161	479.703	0.013
	0.000	1.735	0.041	0.002	0.004	0.044	1.243	0.009
.S.D.	3.970	0.357	1.023	116.635	2.480	27.519	0.259	68.957

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	0.000	481.045	0.001	0.001	0.003	-0.012	0.002	-0.041
	0.000	1.474	0.001	0.001	0.012	0.003	0.003	0.001
S.D.	71.634	0.306	67.641	179.220	372.084	27.462	124.119	3.311

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	0.031	0.008	170.378	-0.033	0.166	0.002
	0.004	0.000	0.274	0.001	0.001	0.001
S.D.	12.497	3.612	0.161	4.040	0.349	46.300

---

eak Counts Output 5:35 PM June 23, 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

yte	Channel	On Peak	Kpulses
1	10.586	10.617	10.635
2	664.522	667.922	667.870
4	8.922	8.916	8.972
5	3.760	3.769	3.766
6	0.956	0.957	0.960
7	4.224	4.268	4.237
8	355.215	356.339	356.856

11	1074.006	1077.357	1078.838
13	5.832	5.842	5.867
14	6.134	6.150	6.166
15	3.777	3.729	3.772
16	10.689	10.794	10.787
17	3.263	3.296	3.314
18	3.613	3.627	3.621
19	0.765	0.763	0.762
20	21.652	21.651	21.699
21	589.965	591.352	592.848
24	3.275	3.268	3.271
27	0.166	0.166	0.165
28	35.781	35.723	35.703

---

ground Counts Output 5:35 PM June 23, 1994
name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte Channel	Background Kpulses
1 BG2	0.635
2 BG2	3.301
4 BG2	16.239
5 BG2	1.147
6 BG1	0.411
7 BG2	4.464
8 BG1	2.128
9 BG1	4.739
9 BG2	5.702
10 BG1	0.835
11 BG2	3.791
13 BG1	0.874
14 BG1	0.840
15 BG1	2.347
15 BG2	1.524
16 BG2	1.309
17 BG2	0.845
18 BG1	0.991
19 BG1	0.789
20 BG1	1.094
21 BG1	0.895
24 BG2	1.168
27 No Background Measurement Positions	
28 BG2	1.866

---

ple Id 1 : ICSAB2 Sample Id 2 : 71 5:35 PM 23/ 6/94
k name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

Ba	Mo	As	V	Na	Se	Al	Sb

n	0.314	484.787	-3.983	0.304	0.161	-0.166	480.192	-0.061
.	0.001	1.424	0.017	0.001	0.002	0.018	1.139	0.008
.S.D.	0.251	0.294	0.422	0.177	0.981	10.833	0.237	13.597

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
n	0.512	480.961	0.543	1.334	1.018	0.948	0.495	0.876
.	0.001	1.110	0.002	0.004	0.014	0.006	0.005	0.002
.S.D.	0.245	0.231	0.372	0.503	1.357	0.654	1.058	0.272

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
n	0.032	0.495	182.876	0.439	0.166	0.977
.	0.006	0.001	0.415	0.001	0.001	0.001
.S.D.	18.326	0.124	0.244	0.177	0.349	0.132

Peak Counts Output 5:39 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses	
	1	87.569	87.512	87.566
	2	69.912	69.889	70.005
	4	10.499	10.479	10.523
	5	26.808	26.827	26.849
	6	66.578	66.412	66.999
	7	7.455	7.406	7.410
	8	4.543	4.543	4.545
	9	25.616	25.679	25.534
	10	89.767	89.610	89.894
	11	114.770	114.863	114.695
	13	45.099	45.170	45.255
	14	4.502	4.500	4.501
	15	10.680	10.651	10.574
	16	24.509	24.469	24.451
	17	25.730	25.988	25.855
	18	15.174	15.120	15.154
	19	13.841	13.825	13.924
	20	184.204	184.462	184.461
	21	16.450	16.413	16.323
	24	22.889	22.872	22.883
	27	0.165	0.164	0.164
	28	170.514	170.337	170.516

---

kground Counts Output 5:39 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses

1	BG2	0.838
2	BG2	1.176
4	BG2	1.189
5	BG2	0.928
6	BG1	0.469
7	BG2	1.273
8	BG1	0.660
9	BG1	1.496
9	BG2	8.299
10	BG1	1.515
11	BG2	1.360
13	BG1	0.842
14	BG1	0.808
15	BG1	0.956
15	BG2	0.918
16	BG2	0.938
17	BG2	0.729
18	BG1	0.818
19	BG1	0.800
20	BG1	1.096
21	BG1	0.431
24	BG2	0.864
27	No Background Measurement Positions	
28	BG2	1.143

---

le Id 1 : CCVP7 Sample Id 2 : 72 5:39 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	5.083	50.212	5.105	5.066	50.094	4.901	5.051	5.096
	0.002	0.045	0.012	0.004	0.230	0.022	0.002	0.018
S.D.	0.037	0.089	0.236	0.079	0.459	0.441	0.031	0.350

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	2.027	50.827	5.045	4.926	5.082	2.542	5.089	4.848
	0.003	0.038	0.009	0.000	0.029	0.003	0.026	0.009
S.D.	0.162	0.074	0.177	0.027	0.565	0.126	0.513	0.191

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	50.066	5.039	4.494	4.843	0.164	5.057
	0.203	0.004	0.019	0.002	0.001	0.003
S.D.	0.406	0.081	0.418	0.039	0.351	0.061

---

eak Counts Output 5:44 PM June 23. 1994
name : 4POINT
le Weight : 1.0000 Solution Volume : 1.00
eak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	On Peak	Kpulses
1	0.659	0.661	0.655
2	0.913	0.915	0.908
4	0.885	0.878	0.904
5	0.880	0.885	0.875
6	0.719	0.717	0.707
7	1.145	1.131	1.118
8	0.719	0.723	0.721
9	1.247	1.261	1.241
10	0.755	0.754	0.751
11	1.134	1.136	1.123
13	0.919	0.919	0.915
14	0.781	0.784	0.777
15	0.859	0.851	0.841
16	0.739	0.743	0.744
17	0.658	0.632	0.637
18	0.677	0.687	0.681
19	0.754	0.752	0.750
20	0.644	0.637	0.632
21	0.449	0.446	0.434
24	0.785	0.788	0.782
27	0.165	0.165	0.165
28	1.036	1.036	1.010

kground Counts Output 5:44 PM June 23, 1994
k name : 4POINT
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

lyte	Channel	Background	Kpulses
1	BG2	0.613	
2	BG2	0.865	
4	BG2	0.911	
5	BG2	0.874	
6	BG1	0.411	
7	BG2	1.176	
8	BG1	0.550	
9	BG1	1.229	
9	BG2	1.603	
10	BG1	0.574	
11	BG2	1.076	
13	BG1	0.797	
14	BG1	0.763	
15	BG1	0.856	
15	BG2	0.833	
16	BG2	0.757	
17	BG2	0.633	
18	BG1	0.699	
19	BG1	0.792	
20	BG1	0.622	
21	BG1	0.407	
24	BG2	0.780	
27	No Background Measurement Positions		

ple Id 1 : CCB76 Sample Id 2 : 73 5:44 PM 23/ 6/94
name : 4POINT Sequence name : 4POINT Result File : P0623941
ple Weight : 1.0000 Solution Volume : 1.00
Peak Integrations : 3 Off-Peak Integrations : 1

	Ba (ppm)	Mg (ppm)	As (ppm)	V (ppm)	Na (ppm)	Se (ppm)	Al (ppm)	Sb (ppm)
	0.000	0.003	-0.001	-0.002	-0.024	-0.026	0.013	-0.002
	0.000	0.003	0.007	0.001	0.005	0.011	0.003	0.003
.S.D.	1065.396	77.298	1007.694	39.513	20.660	41.755	21.076	101.647

	Be (ppm)	Ca (ppm)	Cu (ppm)	Ag (ppm)	Pb (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)
	-0.000	0.009	0.004	-0.002	0.004	-0.001	0.002	-0.023
	0.000	0.003	0.000	0.001	0.005	0.000	0.003	0.002
.S.D.	301.036	33.334	6.711	42.202	113.636	20.450	153.290	7.504

	K (ppm)	Mn (ppm)	Fe (ppm)	Cr (ppm)	Mo (KPulses)	Zn (ppm)
	-0.023	-0.003	-0.091	-0.025	0.165	-0.001
	0.008	0.000	0.003	0.001	0.000	0.000
.S.D.	33.343	6.312	2.520	2.681	0.000	39.749

P.E.

FLAME ANALYSIS CALCULATION WORKSHEET

Data File # 1021214A2 Element: CR Date: 12/12/14 Analyst: BB Det.Limit 0.01

3100

Autosampler Position	Job #	Sample I.D./ Digestion #	Sample Avg. A (340Å)		I.D.	Base-line Avg. B (340Å)	Dilution Factor D	Final Conc. Mg/L (A-B)*D	Quality Control and Comment
9		CRIC	0.314		B	0.002		0.312	
10		DIC	0.003		B	0.004		<	
11		CRA	0.006		B	0.001		<	
12	2519	DK02	-0.007		B	-0.007		<	
13	B1	DK04	0.541		B	0.001		0.550	
14		DT8C	0.009		B	0.003		0.012	
15		RIC	0.312		B	0.006		0.318	
16		blk	0.000		B	0.001		<	
17					B				
18					B				
19					B				
20					B				
21					B				
22					B				
23					B				
24					B				
25					B				
26					B				
27					B				
28					B				
29					B				
30					B				
31					B				
32					B				
33					B				

Date: 06/24/94

Date: 06/24/94

P.E. FLAME ANALYSIS CALCULATION WORKSHEET

Data File # 960624Fe1 Element: Fe Date: 6/24/96 Analyst: BB Det.Limit 0.06

3100

Autosampler Position	Job #	Sample I.D./ Digestion #	Sample Avg. A (MG/L)		I.D.	Base-line Avg. B (MG/L)	Dilution Factor D	Final Conc. Mg/L (A-B)*D	Quality Control and Comment
34		BLK	2.67		B	-0.01		2.68	
35		BLK	-0.01		B	0.01		<	
36		CRA	0.10		B	0.01		0.09	
37	-2519	0802	-0.02		B	0.00		<	
38		0804	0.83		B	0.00		0.83	
39		0786	0.81		B	-0.02		0.83	
40		BLK	2.57		B	-0.01		2.58	
41		BLK	0.00		B	0.02		<	
42					B				
43					B				
44					B				
45					B				
46					B				
47					B				
48					B				
49					B				
50					B				
51					B				
52					B				
53					B				
54					B				
55					B				
56					B				
57			-		B				

0218



Element File: FE_CLP.FEL
Date: 06/24/94
Data File: A0624FE1.DAT
Technique: Flame
Remark 1: ANALYSTS: DCB
Remark 2: CRDL:0.100
Remark 3: IDL: 0.070

Element: Fe
Time: 09:24
ID/Wt File: CR.IDW
Calib. Type: Linear

Wavelength: 248.3
Slit: 0.2
Lamp Current: 30
Energy: 50

Fe ID: Blank Seq. No.: 00001 A/S Pos.: 0 Date: 06/24/94

Absorbance: -0.297 Time: 09:24

Absorbance: -0.298 Time: 09:24

Absorbance: -0.298 Time: 09:25

Mean Absorbance: -0.297 SD: 0.0006 RSD(%): 0.20

Auto-zero performed.

Fe ID: Standard 1 Seq. No.: 00002 A/S Pos.: 1 Date: 06/24/94

Absorbance: 0.008 Time: 09:25

Absorbance: 0.008 Time: 09:25

Absorbance: 0.007 Time: 09:25

Mean Absorbance: 0.008 SD: 0.0007 RSD(%): 9.18

Standard number 1 applied. [0.25]
Correlation coefficient: 1.00000 Slope: 0.0309

Fe ID: Standard 2 Seq. No.: 00003 A/S Pos.: 2 Date: 06/24/94

Time: 09:25

Absorbance: 0.032 Time: 09:25
Concentration (mg/L): 1.03

Absorbance: 0.031 Time: 09:25
Concentration (mg/L): 0.99

Mean Conc (mg/L): 1.02 SD: 0.025 RSD(%): 2.46

Standard number 2 applied. [1.00]
Correlation coefficient: 0.99995 Slope: 0.0316

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Fe ID: Blank Seq. No.: 00007 A/S Pos.: 0 Date: 06/24/94

Absorbance: -0.001 Time: 09:27
Concentration (mg/L): -0.02

Absorbance: -0.001 Time: 09:27
Concentration (mg/L): -0.02

Absorbance: -0.001 Time: 09:27
Concentration (mg/L): -0.03

Mean Conc (mg/L): -0.02 SD: 0.004 RSD(%): 16.76

Auto-zero performed.

Fe ID: ICB Seq. No.: 00008 A/S Pos.: 10 Date: 06/24/94

Absorbance: -0.000 Time: 09:27
Concentration (mg/L): -0.01

Absorbance: -0.000 Time: 09:27
Concentration (mg/L): -0.01

Absorbance: -0.001 Time: 09:27
Concentration (mg/L): -0.02

Mean Conc (mg/L): -0.01 SD: 0.008 RSD(%): 54.17

Fe ID: Blank Seq. No.: 00009 A/S Pos.: 0 Date: 06/24/94

Absorbance: 0.001 Time: 09:28
Concentration (mg/L): 0.02

Absorbance: 0.000 Time: 09:28
Concentration (mg/L): 0.01

Absorbance: 0.001 Time: 09:28
Concentration (mg/L): 0.02

Mean Conc (mg/L): 0.02 SD: 0.005 RSD(%): 32.33

Auto-zero performed.

Fe ID: CRA Seq. No.: 00010 A/S Pos.: 11 Date: 06/24/94

Absorbance: 0.003 Time: 09:28
Concentration (mg/L): 0.10

Absorbance: 0.003 Time: 09:28
Concentration (mg/L): 0.11

Absorbance: 0.003 Time: 09:28
Concentration (mg/L): 0.11

Fe ID: Blank Seq. No.: 00011 A/S Pos.: 0 Date: 06/24/94

Absorbance: 0.001 Time: 09:28
Concentration (mg/L): 0.03

Absorbance: 0.001 Time: 09:29
Concentration (mg/L): 0.02

Absorbance: 0.000 Time: 09:29
Concentration (mg/L): 0.00

Mean Conc (mg/L): 0.02 SD: 0.014 RSD(%): 80.24

Auto-zero performed.

Fe ID: 0802 Seq. No.: 00012 A/S Pos.: 12 Date: 06/24/94

Absorbance: -0.000 Time: 09:29
Concentration (mg/L): -0.02

Absorbance: -0.000 Time: 09:29
Concentration (mg/L): -0.01

Absorbance: -0.001 Time: 09:29
Concentration (mg/L): -0.02

Mean Conc (mg/L): -0.02 SD: 0.004 RSD(%): 22.09

Fe ID: Blank Seq. No.: 00013 A/S Pos.: 0 Date: 06/24/94

Absorbance: 0.001 Time: 09:29
Concentration (mg/L): 0.02

Absorbance: -0.000 Time: 09:29
Concentration (mg/L): -0.01

Absorbance: -0.000 Time: 09:29
Concentration (mg/L): -0.01

Mean Conc (mg/L): -0.00 SD: 0.015 RSD(%): 8023.31

Auto-zero performed.

Fe ID: 0804 Seq. No.: 00014 A/S Pos.: 13 Date: 06/24/94

Absorbance: 0.026 Time: 09:30
Concentration (mg/L): 0.83

Absorbance: 0.026 Time: 09:30
Concentration (mg/L): 0.82

Absorbance: 0.026 Time: 09:30
Concentration (mg/L): 0.82

Fe ID: Blank Seq. No.: 00015 A/S Pos.: 0 Date: 06/24/94

Absorbance: -0.000 Time: 09:30
Concentration (mg/L): -0.00

Absorbance: 0.000 Time: 09:30
Concentration (mg/L): 0.00

Absorbance: -0.000 Time: 09:30
Concentration (mg/L): -0.01

Mean Conc (mg/L): -0.00 SD: 0.008 RSD(%): 190.44

Auto-zero performed.

Fe ID: 0786 Seq. No.: 00016 A/S Pos.: 14 Date: 06/24/94

Absorbance: 0.017 Time: 09:31
Concentration (mg/L): 0.55

Absorbance: 0.016 Time: 09:31
Concentration (mg/L): 0.51

Absorbance: 0.015 Time: 09:31
Concentration (mg/L): 0.49

Mean Conc (mg/L): 0.51 SD: 0.034 RSD(%): 6.55

Fe ID: Blank Seq. No.: 00017 A/S Pos.: 0 Date: 06/24/94

Absorbance: -0.001 Time: 09:31
Concentration (mg/L): -0.03

Absorbance: -0.002 Time: 09:31
Concentration (mg/L): -0.05

Absorbance: -0.001 Time: 09:31
Concentration (mg/L): -0.05

Mean Conc (mg/L): -0.04 SD: 0.011 RSD(%): 26.49

Auto-zero performed.

Fe ID: ccval Seq. No.: 00018 A/S Pos.: 15 Date: 06/24/94

Absorbance: 0.079 Time: 09:32
Concentration (mg/L): 2.56

Absorbance: 0.080 Time: 09:32
Concentration (mg/L): 2.57

Absorbance: 0.080 Time: 09:32
Concentration (mg/L): 2.58

Fe ID: Blank Seq. No.: 00019 A/S Pos.: 0 Date: 06/24/94

10324

Absorbance: -0.001 Time: 09:32
Concentration (mg/L): -0.02

Absorbance: -0.000 Time: 09:32
Concentration (mg/L): -0.01

Absorbance: 0.000 Time: 09:32
Concentration (mg/L): 0.00

Mean Conc (mg/L): -0.01 SD: 0.011 RSD(%): 131.93

Auto-zero performed.

Fe ID: ccb1 Seq. No.: 00020 A/S Pos.: 16 Date: 06/24/94

Absorbance: -0.000 Time: 09:32
Concentration (mg/L): -0.01

Absorbance: -0.000 Time: 09:33
Concentration (mg/L): -0.01

Absorbance: 0.000 Time: 09:33
Concentration (mg/L): 0.01

Mean Conc (mg/L): -0.00 SD: 0.013 RSD(%): 579.31

Fe ID: Blank Seq. No.: 00021 A/S Pos.: -- Date: 06/24/94

Absorbance: -0.000 Time: 09:33
Concentration (mg/L): -0.00

Absorbance: 0.002 Time: 09:33
Concentration (mg/L): 0.06

Absorbance: 0.001 Time: 09:33
Concentration (mg/L): 0.04

Mean Conc (mg/L): 0.03 SD: 0.034 RSD(%): 101.46

Auto-zero performed.

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Sb DATE: 6/24/94 ANALYST: Roc (CLP)

FURNACE#: 3 DATA FILE #: 306245B1 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.006

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK		S0	CALIBRATE
–	–	0.025		S25	CALIBRATE
–	–	0.050		S50	CALIBRATE
–	–	0.100		S100	CALIBRATE
1		R-IC	1:10	0.060	0.600 100%
2		Blk		<	
3		0.060		0.060	
4	CCVF1	R-IC	1:10	0.060	0.600 100%
5	CCB1	Blk		<	
6	PBW 14-2512	0802		<	PBW1
		+.080		0.070	88%
7	LCSW	0805	1:5	0.016	0.080 LCSW1
		+.080	↓	0.083	84%
8		0786		<	
		+.080		0.072	90%
9				0	
10					
4	CCV2	R-IC	1:10	0.060	0.600 100%
5	CCB2	Blk		<	
11					
12					
13					

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
14					
15					
4					
5					
16					
17					
18					
19					
20					
4					
5					
21					
22					
23					
24					

1325

Element File: SB2.GEL
Date: 06/24/94
Data File: 30624SB1.DAT
Technique: HGA
Remark 1: Analyst: JAC
Remark 2: Furnace #3
Remark 3: Detection limit: 0.006 mg/l

Element: Sb
Time: 11:00
ID/Wt File: SB_CLP2.IDW
Calib. Type: Linear

Wavelength: 217.6
Slit: 0.7
Lamp Current: 20
Energy: 64

JAC 6/24/94

Sb ID: Blank Seq. No.: 00001 A/S Pos.: 37 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.001
Time: 11:01
Peak Height (A): 0.009
Background Pk Height (A): 0.011

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.000
Time: 11:03
Peak Height (A): 0.007
Background Pk Height (A): 0.015

Mean Pk Area (A-s): 0.001 SD: 0.0006 RSD(%): 73.94

Auto-zero performed.

Sb ID: Standard 1 Seq. No.: 00002 A/S Pos.: 38 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.037
Background Pk Area (A-s): 0.008
Blank Corrected Pk Area (A-s): 0.036
Time: 11:06
Peak Height (A): 0.036
Background Pk Height (A): 0.014

Replicate 2
Peak Area (A-s): 0.039
Background Pk Area (A-s): 0.008
Blank Corrected Pk Area (A-s): 0.038
Time: 11:08
Peak Height (A): 0.037
Background Pk Height (A): 0.013

Mean Pk Area (A-s): 0.037 SD: 0.0012 RSD(%): 3.18

Standard number 1 applied. [0.025]
Correlation coefficient: 1.00000 Slope: 1.4738 Int: 0.000

Sb ID: Standard 2 Seq. No.: 00003 A/S Pos.: 39 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.072
Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.071
Concentration (mg/L): 0.048
Time: 11:11
Peak Height (A): 0.070
Background Pk Height (A): 0.014

Replicate 2
Peak Area (A-s): 0.071
Background Pk Area (A-s): 0.013
Blank Corrected Pk Area (A-s): 0.070
Concentration (mg/L): 0.048
Time: 11:13
Peak Height (A): 0.069
Background Pk Height (A): 0.013

Mean Conc (mg/L): 0.048 SD: 0.0005 RSD(%): 1.00

Standard number 2 applied. [0.050]
Correlation coefficient: 0.99971 Slope: 1.4147 Int: 0.000

Sb ID: Standard 3 Seq. No.: 00004 A/S Pos.: 40 Date: 06/24/94

Replicate 1
Time: 11:16
Peak Area (A-s): 0.142
Peak Height (A): 0.127
Background Pk Area (A-s): 0.021
Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.141
Concentration (mg/L): 0.099

Replicate 2
Time: 11:18
Peak Area (A-s): 0.138
Peak Height (A): 0.129
Background Pk Area (A-s): 0.024
Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.137
Concentration (mg/L): 0.097

Mean Conc (mg/L): 0.098 SD: 0.0017 RSD(%): 1.75

Standard number 3 applied. [0.100]
Correlation coefficient: 0.99986 Slope: 1.3846 Int: 0.001

Sb ID: ICVF Seq. No.: 00005 A/S Pos.: 1 Date: 06/24/94

Replicate 1
Time: 11:21
Peak Area (A-s): 0.085
Peak Height (A): 0.081
Background Pk Area (A-s): 0.013
Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.084
Concentration (mg/L): 0.060

Replicate 2
Time: 11:23
Peak Area (A-s): 0.084
Peak Height (A): 0.082
Background Pk Area (A-s): 0.014
Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.083
Concentration (mg/L): 0.059

Mean Conc (mg/L): 0.060 SD: 0.0008 RSD(%): 1.30

Sb ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 06/24/94

Replicate 1
Time: 11:26
Peak Area (A-s): -0.001
Peak Height (A): 0.006
Background Pk Area (A-s): 0.005
Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Replicate 2
Time: 11:28
Peak Area (A-s): -0.001
Peak Height (A): 0.007
Background Pk Area (A-s): 0.005
Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0003 RSD(%): 13.54

Sb ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.085
Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.084
Concentration (mg/L): 0.060
Time: 11:30
Peak Height (A): 0.078
Background Pk Height (A): 0.017

Replicate 2
Peak Area (A-s): 0.084
Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.084
Concentration (mg/L): 0.060
Time: 11:33
Peak Height (A): 0.080
Background Pk Height (A): 0.014

Mean Conc (mg/L): 0.060 SD: 0.0002 RSD(%): 0.37

Sb ID: CCVF Seq. No.: 00008 A/S Pos.: 4 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.085
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.084
Concentration (mg/L): 0.060
Time: 11:35
Peak Height (A): 0.081
Background Pk Height (A): 0.014

Replicate 2
Peak Area (A-s): 0.085
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.085
Concentration (mg/L): 0.060
Time: 11:38
Peak Height (A): 0.083
Background Pk Height (A): 0.013

Mean Conc (mg/L): 0.060 SD: 0.0003 RSD(%): 0.48

Sb ID: CCB Seq. No.: 00009 A/S Pos.: 5 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001
Time: 11:40
Peak Height (A): 0.006
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.000
Time: 11:43
Peak Height (A): 0.007
Background Pk Height (A): 0.013

Mean Conc (mg/L): -0.001 SD: 0.0001 RSD(%): 19.76

Sb ID: 0802 Seq. No.: 00010 A/S Pos.: 6 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000
Time: 11:45
Peak Height (A): 0.006
Background Pk Height (A): 0.012

Replicate 2 Time: 11:48
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000

Mean Conc (mg/L): -0.000 SD: 0.0001 RSD(%): 114.85

Sb ID: 0802 Seq. No.: 00011 A/S Pos.: 6 Date: 06/24/94

Replicate 1 Time: 11:51
Peak Area (A-s): 0.099 Peak Height (A): 0.102
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.098
Concentration (mg/L): 0.070

Replicate 2 Time: 11:53
Peak Area (A-s): 0.098 Peak Height (A): 0.102
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.097
Concentration (mg/L): 0.069

Mean Conc (mg/L): 0.070 SD: 0.0004 RSD(%): 0.60

Recovery is 87.0%

Sb ID: 0805(1:5) Seq. No.: 00012 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 11:56
Peak Area (A-s): 0.024 Peak Height (A): 0.023
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.016

Replicate 2 Time: 11:58
Peak Area (A-s): 0.024 Peak Height (A): 0.027
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.016

Mean Conc (mg/L): 0.016 SD: 0.0002 RSD(%): 1.09

Sb ID: 0805(1:5) Seq. No.: 00013 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 12:01
Peak Area (A-s): 0.118 Peak Height (A): 0.119
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.084

Replicate 2 Time: 12:04
Peak Area (A-s): 0.116 Peak Height (A): 0.118
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.083

Mean Conc (mg/L): 0.083 SD: 0.0008 RSD(%): 0.92

Recovery is 84.1%

Sb ID: 0786 Seq. No.: 00014 A/S Pos.: 8 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.000
Time: 12:06
Peak Height (A): 0.007
Background Pk Height (A): 0.013

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001
Time: 12:09
Peak Height (A): 0.006
Background Pk Height (A): 0.011

Mean Conc (mg/L): -0.000 SD: 0.0008 RSD(%): 381.87

Sb ID: 0786 Seq. No.: 00015 A/S Pos.: 8 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.103
Background Pk Area (A-s): 0.017
Blank Corrected Pk Area (A-s): 0.102
Concentration (mg/L): 0.073
Time: 12:12
Peak Height (A): 0.104
Background Pk Height (A): 0.018

Replicate 2
Peak Area (A-s): 0.099
Background Pk Area (A-s): 0.020
Blank Corrected Pk Area (A-s): 0.098
Concentration (mg/L): 0.070
Time: 12:14
Peak Height (A): 0.104
Background Pk Height (A): 0.021

Mean Conc (mg/L): 0.072 SD: 0.0023 RSD(%): 3.26

Recovery is 89.7%

Sb ID: CCVF Seq. No.: 00016 A/S Pos.: 4 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.083
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): 0.082
Concentration (mg/L): 0.059
Time: 12:17
Peak Height (A): 0.075
Background Pk Height (A): 0.014

Replicate 2
Peak Area (A-s): 0.086
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): 0.085
Concentration (mg/L): 0.061
Time: 12:19
Peak Height (A): 0.077
Background Pk Height (A): 0.017

Mean Conc (mg/L): 0.060 SD: 0.0015 RSD(%): 2.59

Sb ID: CCB Seq. No.: 00017 A/S Pos.: 5 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.000

Time: 12:22
Peak Height (A): 0.009
Background Pk Height (A): 0.010

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Time: 12:24
Peak Height (A): 0.006
Background Pk Height (A): 0.012

Mean Conc (mg/L): -0.000 SD: 0.0010 RSD(%): 259.51

P&E 5100 PC FURNACE WORKSHEET ELEMENT: As DATE: 6/16/94 ANALYST: Dec (CLP)

FURNACE#: 3 DATA FILE #: 30616AS1 # REPLICATE SHOTS: 1 DETECTION LIMIT: 0.003

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK			CALIBRATE
–	–	0.010			CALIBRATE
–	–	0.050			CALIBRATE
–	–	0.100			CALIBRATE
1		R-1C	1:10	0.060	0.600 100%
2		Blk		<	
3		0.010		0.010	
4	CCVF1	R-1C	1:10	0.056	0.560 93%
5	CCB1	Blk		<	
6 ✓	PBW 94-2519	0802		<	PBW1
		+.020		0.020	100%
7	LCSW	0805	1:2	0.039	0.078 LCSW1
		+.020	↓	0.057	90%
8		0786		<	
		+.020		0.022	110%
9 ✓	MRK Blk 94-2145	0801		<	
		~~0803~~	+.020	0.020	100%
10	LCSW	0803	1:20	0.048	0.960
		+.020	↓	0.065	85%
4	CCVF2	R-1C	1:10	0.059	0.590 98%
5	CCB2	Blk		<	
11		0799		<	
		+.020		0.021	105%
12 ✓	PBW 94-2428	1394		<	
		+.020		0.019	95%
13	LCSW	1395	1:20	0.048	0.960
		+.020	↓	0.065	85%

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
14		1385		<	
		+.020		0.017	85%
15	D	1386		<	
		+.020		0.017	85%
4	CCVF3	R-1C	1:10	0.059	0.590 98%
5	CCB3	Blk		<	
16	S	1387		0.037	
		+.020		0.050	
17		1388		<	
		+.020		0.019	95%
18		1389		<	
		+.020		0.018	90%
19		1390		<	
		+.020		0.020	100%
20		1449		<	
		+.020		0.020	100%
4	CCVF4	R-1C	1:10	0.058	0.580 98%
5	CCB4	Blk		<	
21 ✓	94-2529	0787		<	
		+.020		0.018	90%
22 ✓	94-2479	0783		<	
		+.020		0.016	80%
23	D	0784		<	
	+.020	~~0.78~~		0.017	85%
24	S	0785		0.038	
		+.020		0.047	

0332

P&E 5100 PC FURNACE WORKSHEET ELEMENT: AS DATE: 6/16/94 ANALYST: DBZ (CLP)

FURNACE#: 3 DATA FILE #: 306/6AS1 # REPLICATE SHOTS: 1 DETECTION LIMIT: 0.003

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
25 ✓	PBW 94-2572	1210		<	
		+.020		0.020	100%
4	CCVF5	R-1C	1:10	0.059	0.590 98%
5	CCB5	Blk		<	
26	LCSW	1212	1:2	0.039	0.078
		+.020	↓	0.054	75%
27		1208		0.004	
		+.020		0.022	90%
28		1209		<	
		+.020		0.016	80%
29 ✓	94-2629	1204		<	
		+.020		0.016	80%
30	94-2654	1205		<	
		+.020		0.016	80%
4	CCVF6	R-1C	1:10	0.060	0.600 100%
5	CCB6	Blk		<	
31 ✓	94-2668	1207		<	
		+.020		0.017	85%
~~32~~					
33					
34					
35					

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
4	CCVF7	R-1C	1:10	0.059	0.590 98%
5	CCB7	Blk		<	

0.333

Element File: AS1.GEL
Date: 06/16/94
Data File: 30616AS1.DAT
Technique: HGA
Remark 1: Analyst: AI
Remark 2: Furnace #3
Remark 3: Detection Limit: 0.003 mg/l

Element: As
Time: 17:18
ID/Wt File: AS_CLP2.IDW
Calib. Type: Linear

Wavelength: 193.7
Slit: 0.70
Lamp Current: 0
Energy: 66

10334

AR 6/16/94

As ID: Blank Seq. No.: 00006 A/S Pos.: 37 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.007
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.000

Time: 17:21
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.007
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.000

Time: 17:23
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Mean Conc (mg/L): -0.000 SD: 0.0003 RSD(%): 696.76

Auto-zero performed.

As ID: Standard 1 Seq. No.: 00007 A/S Pos.: 38 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.033
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.009

Time: 17:25
Peak Height (A): 0.058
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.033
Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.010

Time: 17:28
Peak Height (A): 0.061
Background Pk Height (A): 0.012

Mean Conc (mg/L): 0.010 SD: 0.0002 RSD(%): 2.00

Standard number 1 applied. [0.010]
Correlation coefficient: 1.00000 Slope: 3.0001 Int: -0.000

As ID: Standard 2 Seq. No.: 00008 A/S Pos.: 39 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.152
Background Pk Area (A-s): 0.029
Blank Corrected Pk Area (A-s): 0.149
Concentration (mg/L): 0.050

Time: 17:30
Peak Height (A): 0.257
Background Pk Height (A): 0.035

Replicate 2
Peak Area (A-s): 0.155
Background Pk Area (A-s): 0.032
Blank Corrected Pk Area (A-s): 0.152
Concentration (mg/L): 0.051

Time: 17:32
Peak Height (A): 0.264
Background Pk Height (A): 0.038

Mean Conc (mg/L): 0.050 SD: 0.0008 RSD(%): 1.58

Standard number 2 applied. [0.050]
Correlation coefficient: 1.00000 Slope: 3.0097 Int: -0.000

As ID: Standard 3 Seq. No.: 00009 A/S Pos.: 40 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.302
Background Pk Area (A-s): 0.047
Blank Corrected Pk Area (A-s): 0.299
Concentration (mg/L): 0.100

Time: 17:35
Peak Height (A): 0.471
Background Pk Height (A): 0.063

Replicate 2
Peak Area (A-s): 0.305
Background Pk Area (A-s): 0.049
Blank Corrected Pk Area (A-s): 0.302
Concentration (mg/L): 0.100
Time: 17:37
Peak Height (A): 0.476
Background Pk Height (A): 0.065

Mean Conc (mg/L): 0.100
SD: 0.0006
RSD(%): 0.61

Standard number 3 applied. [0.100]
Correlation coefficient: 1.00000
Slope: 3.0082
Int: -0.000

As ID: ICVF
Seq. No.: 00010
A/S Pos.: 1
Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.187
Background Pk Area (A-s): 0.031
Blank Corrected Pk Area (A-s): 0.184
Concentration (mg/L): 0.061
Time: 17:40
Peak Height (A): 0.315
Background Pk Height (A): 0.043

Replicate 2
Peak Area (A-s): 0.182
Background Pk Area (A-s): 0.031
Blank Corrected Pk Area (A-s): 0.179
Concentration (mg/L): 0.059
Time: 17:42
Peak Height (A): 0.302
Background Pk Height (A): 0.040

Mean Conc (mg/L): 0.060
SD: 0.0012
RSD(%): 2.04

As ID: ICB
Seq. No.: 00011
A/S Pos.: 2
Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.005
Background Pk Area (A-s): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.000
Time: 17:44
Peak Height (A): 0.005
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.008
Blank Corrected Pk Area (A-s): -0.008
Concentration (mg/L): -0.001
Time: 17:47
Peak Height (A): 0.005
Background Pk Height (A): 0.008

Mean Conc (mg/L): -0.000
SD: 0.0006
RSD(%): 99.09

As ID: CRA
Seq. No.: 00012
A/S Pos.: 3
Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.035
Background Pk Area (A-s): 0.015
Blank Corrected Pk Area (A-s): 0.032
Concentration (mg/L): 0.011
Time: 17:49
Peak Height (A): 0.058
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.033
Background Pk Area (A-s): 0.017
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.010
Time: 17:51
Peak Height (A): 0.059
Background Pk Height (A): 0.011

Mean Conc (mg/L): 0.010 SD: 0.0003 RSD(%): 2.96

0337

As ID: CCVF Seq. No.: 00013 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Time: 17:54
Peak Area (A-s): 0.179
Peak Height (A): 0.293
Background Pk Area (A-s): 0.030
Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.176
Concentration (mg/L): 0.059

Replicate 2
Time: 17:56
Peak Area (A-s): 0.162
Peak Height (A): 0.310
Background Pk Area (A-s): 0.032
Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.159
Concentration (mg/L): 0.053

Mean Conc (mg/L): 0.056 SD: 0.0041 RSD(%): 7.44

As ID: CCB Seq. No.: 00014 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Time: 17:59
Peak Area (A-s): 0.002
Peak Height (A): 0.006
Background Pk Area (A-s): 0.007
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Replicate 2
Time: 18:01
Peak Area (A-s): 0.002
Peak Height (A): 0.004
Background Pk Area (A-s): 0.007
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Mean Conc (mg/L): -0.000 SD: 0.0002 RSD(%): 55.08

As ID: 0802 Seq. No.: 00015 A/S Pos.: 6 Date: 06/16/94

Replicate 1
Time: 18:03
Peak Area (A-s): 0.001
Peak Height (A): 0.005
Background Pk Area (A-s): 0.004
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Replicate 2
Time: 18:06
Peak Area (A-s): 0.001
Peak Height (A): 0.006
Background Pk Area (A-s): 0.004
Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0001 RSD(%): 12.56

As ID: 0802 Seq. No.: 00016 A/S Pos.: 6 Date: 06/16/94

Replicate 1
Time: 18:09
Peak Area (A-s): 0.062
Peak Height (A): 0.105
Background Pk Area (A-s): 0.014
Background Pk Height (A): 0.017

Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.019

Replicate 2 Time: 18:11
Peak Area (A-s): 0.063 Peak Height (A): 0.109
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.060
Concentration (mg/L): 0.020

Mean Conc (mg/L): 0.020 SD: 0.0003 RSD(%): 1.50

Recovery is 102.0%

As ID: 0805(1:2) Seq. No.: 00017 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 18:14
Peak Area (A-s): 0.120 Peak Height (A): 0.204
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.039

Replicate 2 Time: 18:16
Peak Area (A-s): 0.119 Peak Height (A): 0.199
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.039

Mean Conc (mg/L): 0.039 SD: 0.0003 RSD(%): 0.71

As ID: 0805(1:2) Seq. No.: 00018 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 18:19
Peak Area (A-s): 0.177 Peak Height (A): 0.288
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.174
Concentration (mg/L): 0.058

Replicate 2 Time: 18:21
Peak Area (A-s): 0.174 Peak Height (A): 0.291
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.171
Concentration (mg/L): 0.057

Mean Conc (mg/L): 0.057 SD: 0.0006 RSD(%): 1.04

Recovery is 92.5%

As ID: 0786 Seq. No.: 00019 A/S Pos.: 8 Date: 06/16/94

Replicate 1 Time: 18:24
Peak Area (A-s): 0.005 Peak Height (A): 0.006
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.001

Replicate 2 Time: 18:26

Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.045
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.000

Peak Height (A): 0.007
Background Pk Height (A): 0.053

Mean Conc (mg/L): 0.000 SD: 0.0001 RSD(%): 24.58

As ID: 0786 Seq. No.: 00020 A/S Pos.: 8 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.069
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.022

Time: 18:29
Peak Height (A): 0.163
Background Pk Height (A): 0.067

Replicate 2
Peak Area (A-s): 0.071
Background Pk Area (A-s): 0.056
Blank Corrected Pk Area (A-s): 0.068
Concentration (mg/L): 0.022

Time: 18:32
Peak Height (A): 0.163
Background Pk Height (A): 0.067

Mean Conc (mg/L): 0.022 SD: 0.0004 RSD(%): 1.65

Recovery is 108.7%

As ID: 0801 Seq. No.: 00021 A/S Pos.: 9 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.486
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Time: 18:34
Peak Height (A): 0.006
Background Pk Height (A): 0.162

Replicate 2
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.452
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Time: 18:37
Peak Height (A): 0.005
Background Pk Height (A): 0.165

Mean Conc (mg/L): -0.000 SD: 0.0001 RSD(%): 32.15

As ID: 0801 Seq. No.: 00022 A/S Pos.: 9 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.064
Background Pk Area (A-s): 0.452
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.020

Time: 18:39
Peak Height (A): 0.105
Background Pk Height (A): 0.176

Replicate 2
Peak Area (A-s): 0.064
Background Pk Area (A-s): 0.458
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.020

Time: 18:42
Peak Height (A): 0.103
Background Pk Height (A): 0.181

Mean Conc (mg/L): 0.020 SD: 0.0000 RSD(%): 0.07

Recovery is 102.3%

As ID: 0803(1:20) Seq. No.: 00023 A/S Pos.: 10 Date: 06/16/94

40340

Replicate 1
Peak Area (A-s): 0.148
Background Pk Area (A-s): 0.023
Blank Corrected Pk Area (A-s): 0.145
Concentration (mg/L): 0.048

Time: 18:44
Peak Height (A): 0.232
Background Pk Height (A): 0.030

Replicate 2
Peak Area (A-s): 0.146
Background Pk Area (A-s): 0.023
Blank Corrected Pk Area (A-s): 0.143
Concentration (mg/L): 0.048

Time: 18:47
Peak Height (A): 0.234
Background Pk Height (A): 0.031

Mean Conc (mg/L): 0.048 SD: 0.0005 RSD(%): 1.12

As ID: 0803(1:20) Seq. No.: 00024 A/S Pos.: 10 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.197
Background Pk Area (A-s): 0.029
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): 0.064

Time: 18:49
Peak Height (A): 0.338
Background Pk Height (A): 0.043

Replicate 2
Peak Area (A-s): 0.197
Background Pk Area (A-s): 0.029
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): 0.065

Time: 18:52
Peak Height (A): 0.332
Background Pk Height (A): 0.044

Mean Conc (mg/L): 0.065 SD: 0.0001 RSD(%): 0.22

Recovery is 88.1%

As ID: CCVF Seq. No.: 00025 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.181
Background Pk Area (A-s): 0.025
Blank Corrected Pk Area (A-s): 0.179
Concentration (mg/L): 0.060

Time: 18:55
Peak Height (A): 0.271
Background Pk Height (A): 0.035

Replicate 2
Peak Area (A-s): 0.180
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.177
Concentration (mg/L): 0.059

Time: 18:57
Peak Height (A): 0.274
Background Pk Height (A): 0.035

Mean Conc (mg/L): 0.059 SD: 0.0005 RSD(%): 0.83

Check sample is within range 0.054 - 0.066

As ID: CCB Seq. No.: 00026 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 18:59
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Replicate 2 Time: 19:02
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0000 RSD(%): 1.62

Check sample is within range -.010 - 0.010

As ID: 0799 Seq. No.: 00027 A/S Pos.: 11 Date: 06/16/94

Replicate 1 Time: 19:04
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.454 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.001

Replicate 2 Time: 19:07
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.465 Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0000 RSD(%): 8.84

As ID: 0799 Seq. No.: 00028 A/S Pos.: 11 Date: 06/16/94

Replicate 1 Time: 19:09
Peak Area (A-s): 0.065 Peak Height (A): 0.119
Background Pk Area (A-s): 0.465 Background Pk Height (A): 0.186
Blank Corrected Pk Area (A-s): 0.062
Concentration (mg/L): 0.021

Replicate 2 Time: 19:12
Peak Area (A-s): 0.067 Peak Height (A): 0.118
Background Pk Area (A-s): 0.471 Background Pk Height (A): 0.200
Blank Corrected Pk Area (A-s): 0.064
Concentration (mg/L): 0.021

Mean Conc (mg/L): 0.021 SD: 0.0006 RSD(%): 3.05

Recovery is 102.2%

As ID: 1394 Seq. No.: 00029 A/S Pos.: 12 Date: 06/16/94

Replicate 1 Time: 19:14
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001

Concentration (mg/L): -0.000

Replicate 2 — Time: 19:17
Peak Area (A-s): 0.002 — Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 — Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Mean Conc (mg/L): -0.000 — SD: 0.0000 — RSD(%): 3.21

As ID: 1394 — Seq. No.: 00030 — A/S Pos.: 12 — Date: 06/16/94

Replicate 1 — Time: 19:20
Peak Area (A-s): 0.061 — Peak Height (A): 0.095
Background Pk Area (A-s): 0.011 — Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.058
Concentration (mg/L): 0.019

Replicate 2 — Time: 19:22
Peak Area (A-s): 0.062 — Peak Height (A): 0.099
Background Pk Area (A-s): 0.010 — Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.059
Concentration (mg/L): 0.020

Mean Conc (mg/L): 0.019 — SD: 0.0001 — RSD(%): 0.74

Recovery is 98.5%

As ID: 1395(1:20) — Seq. No.: 00031 — A/S Pos.: 13 — Date: 06/16/94

Replicate 1 — Time: 19:25
Peak Area (A-s): 0.147 — Peak Height (A): 0.233
Background Pk Area (A-s): 0.021 — Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.144
Concentration (mg/L): 0.046

Replicate 2 — Time: 19:27
Peak Area (A-s): 0.146 — Peak Height (A): 0.232
Background Pk Area (A-s): 0.022 — Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.143
Concentration (mg/L): 0.047

Mean Conc (mg/L): 0.048 — SD: 0.0003 — RSD(%): 0.57

As ID: 1395(1:20) — Seq. No.: 00032 — A/S Pos.: 13 — Date: 06/16/94

Replicate 1 — Time: 19:30
Peak Area (A-s): 0.197 — Peak Height (A): 0.331
Background Pk Area (A-s): 0.028 — Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): 0.065

Replicate 2 — Time: 19:32
Peak Area (A-s): 0.195 — Peak Height (A): 0.306
Background Pk Area (A-s): 0.029 — Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.195

Concentration (mg/L): 0.065

Mean Conc (mg/L): 0.065 SD: 0.0003 RSD(%): 0.40

Recovery is 85.1%

As ID: 1885 Seq. No.: 00033 A/S Pos.: 14 Date: 08/16/94

Replicate 1
Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.500
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.000

Time: 19:35
Peak Height (A): 0.006
Background Pk Height (A): 0.183

Replicate 2
Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.513
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.000

Time: 19:37
Peak Height (A): 0.007
Background Pk Height (A): 0.187

Mean Conc (mg/L): 0.000 SD: 0.0001 RSD(%): 33.15

As ID: 1885 Seq. No.: 00034 A/S Pos.: 14 Date: 08/16/94

Replicate 1
Peak Area (A-s): 0.056
Background Pk Area (A-s): 0.506
Blank Corrected Pk Area (A-s): 0.053
Concentration (mg/L): 0.018

Time: 19:40
Peak Height (A): 0.108
Background Pk Height (A): 0.188

Replicate 2
Peak Area (A-s): 0.054
Background Pk Area (A-s): 0.503
Blank Corrected Pk Area (A-s): 0.051
Concentration (mg/L): 0.017

Time: 19:42
Peak Height (A): 0.107
Background Pk Height (A): 0.197

Mean Conc (mg/L): 0.017 SD: 0.0006 RSD(%): 3.28

Recovery is 84.6%

As ID: 1886 Seq. No.: 00035 A/S Pos.: 15 Date: 08/16/94

Replicate 1
Peak Area (A-s): 0.004
Background Pk Area (A-s): 0.511
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.000

Time: 19:45
Peak Height (A): 0.007
Background Pk Height (A): 0.191

Replicate 2
Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.515
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.000

Time: 19:47
Peak Height (A): 0.006
Background Pk Height (A): 0.195

Mean Conc (mg/L): 0.000 SD: 0.0002 RSD(%): 83.61

As ID: 1386 Seq. No.: 00036 A/S Pos.: 15 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.054
Background Pk Area (A-s): 0.521
Blank Corrected Pk Area (A-s): 0.051
Concentration (mg/L): 0.017

Time: 19:50
Peak Height (A): 0.107
Background Pk Height (A): 0.207

Replicate 2
Peak Area (A-s): 0.053
Background Pk Area (A-s): 0.528
Blank Corrected Pk Area (A-s): 0.050
Concentration (mg/L): 0.017

Time: 19:52
Peak Height (A): 0.107
Background Pk Height (A): 0.208

Mean Conc (mg/L): 0.017 SD: 0.0004 RSD(%): 2.20

Recovery is 82.7%

As ID: CCVF Seq. No.: 00037 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.179
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.176
Concentration (mg/L): 0.059

Time: 19:55
Peak Height (A): 0.275
Background Pk Height (A): 0.087

Replicate 2
Peak Area (A-s): 0.179
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.176
Concentration (mg/L): 0.058

Time: 19:57
Peak Height (A): 0.270
Background Pk Height (A): 0.087

Mean Conc (mg/L): 0.058 SD: 0.0001 RSD(%): 0.11

Check sample is within range 0.054 - 0.066

As ID: CCB Seq. No.: 00038 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Time: 20:00
Peak Height (A): 0.004
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000

Time: 20:02
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Mean Conc (mg/L): -0.001 SD: 0.0003 RSD(%): 45.60

Check sample within range -0.010 - 0.010

As ID: 1387 Seq. No.: 00039 A/S Pos.: 16 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.115
Background Pk Area (A-s): 0.537
Blank Corrected Pk Area (A-s): 0.112
Concentration (mg/L): 0.050

Time: 20:05
Peak Height (A): 0.221
Background Pk Height (A): 0.296

Replicate 2
Peak Area (A-s): 0.118
Background Pk Area (A-s): 0.544
Blank Corrected Pk Area (A-s): 0.115
Concentration (mg/L): 0.050

Time: 20:10
Peak Height (A): 0.223
Background Pk Height (A): 0.295

Mean Conc (mg/L): 0.050 SD: 0.0003 RSD(%): 0.66

Recovery is 84.8%

Background signal is changing during the measurement.

As ID: 1388 Seq. No.: 00041 A/S Pos.: 17 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.117
Background Pk Area (A-s): 0.447
Blank Corrected Pk Area (A-s): 0.114
Concentration (mg/L): 0.050

Time: 20:14
Peak Height (A): 0.197
Background Pk Height (A): 0.214

Replicate 2
Peak Area (A-s): 0.118
Background Pk Area (A-s): 0.454
Blank Corrected Pk Area (A-s): 0.115
Concentration (mg/L): 0.050

Time: 20:16
Peak Height (A): 0.199
Background Pk Height (A): 0.208

Mean Conc (mg/L): 0.050 SD: 0.0000 RSD(%): 0.00

Recovery is 85.5%

Background signal is changing during the measurement.

Seq. No.: 00043 A/S Pos.: 18 Date: 06/16/94

As ID: 1389

Seq. No.: 00044 A/S Pos.: 19 Date: 06/16/94

As ID: 1389

Printer Jammed.

6/16/94

Seq. No.: 00060 A/S Pos.: 25 Date: 06/16/94

As ID: 1210

Replicate 1
Peak Area (A-s): 0.061
Background Pk Area (A-s): 0.012
Concentration (mg/L): 0.019

Time: 21:49
Peak Height (A): 0.110
Background Pk Height (A): 0.021

Replicate 2
Peak Area (A-s): 0.063
Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.060
Concentration (mg/L): 0.020

Time: 21:51
Peak Height (A): 0.111
Background Pk Height (A): 0.022

Mean Conc (mg/L): 0.020

SD: 0.0005

RSD(%): 2.33

Recovery is 100.5%

Seq. No.: 00061 A/S Pos.: 4 Date: 06/16/94

As ID: CCVF

Replicate 1
Peak Area (A-s): 0.179
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.176
Concentration (mg/L): 0.058

Time: 21:54
Peak Height (A): 0.323
Background Pk Height (A): 0.043

Replicate 2
Peak Area (A-s): 0.181

Time: 21:56
Peak Height (A): 0.324

Concentration (mg/L): 0.059

Mean Conc (mg/L): 0.059 SD: 0.0005 RSD(%): 0.81
Check sample is within range 0.054 - 0.066

As II: 00B Seq. No.: 00062 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.000
Time: 21:59
Peak Height (A): 0.004
Background Pk Height (A): 0.010

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001
Time: 22:01
Peak Height (A): 0.005
Background Pk Height (A): 0.013

Mean Conc (mg/L): -0.000 SD: 0.0001 RSD(%): 28.81

Check sample is within range -.010 - 0.010

As II: 1212:1:2) Seq. No.: 00063 A/S Pos.: 28 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.120
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.060
Time: 22:04
Peak Height (A): 0.020
Background Pk Height (A): 0.007

Replicate 2
Peak Area (A-s): 0.116
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): 0.110
Concentration (mg/L): 0.058
Time: 22:06
Peak Height (A): 0.019
Background Pk Height (A): 0.007

Mean Conc (mg/L): 0.059 SD: 0.0007 RSD(%): 1.17

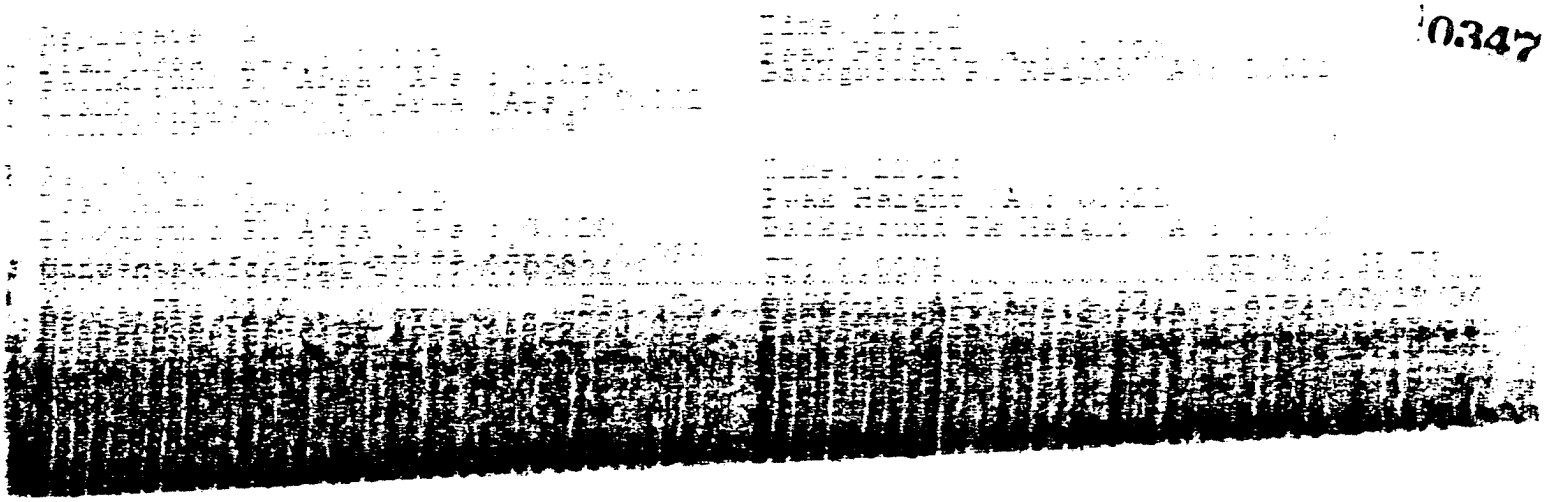
As II: 1212:1:2) Seq. No.: 00064 A/S Pos.: 29 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.166
Background Pk Area (A-s): 0.028
Blank Corrected Pk Area (A-s): 0.168
Concentration (mg/L): 0.054
Time: 22:08
Peak Height (A): 0.312
Background Pk Height (A): 0.053

Replicate 2
Peak Area (A-s): 0.166
Background Pk Area (A-s): 0.028
Blank Corrected Pk Area (A-s): 0.168
Concentration (mg/L): 0.054
Time: 22:11
Peak Height (A): 0.310
Background Pk Height (A): 0.056

Mean Conc (mg/L): 0.054 SD: 0.0001 RSD(%): 0.17

Recovery is 76.2%



```
PE AA       HGA          DATA        ASCII       5100 PC     5.00
0072
30616AS1
94/06/16
16:45:39
94/06/16
23:22:10
JAC
#HDR
1369
0053287
        @                    @        1@-----------------------------------
UNTITLED  @                  @AS60@g        @mL        @100      @1.0
As@AS2       @001540@HGA  @940616@164540@0078@00001@-------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
#DATA
31@00001@193.7@0.7@67 @AA-BG @5   @0   @AREA@mg/L      @mg/L      @L@  @HGA  @
33@00001@2   @20@5 @  @10@1 @02@00@  @  @  @-----------------------------------
34@00001@130 @1 @45@300@0@850 @1 @30@300@0@2300@0 @5 @0  @0@2650@1 @5 @300@0@-
40@00001@       @       @g     @       @1.0    @mL    @       @100       @ @--
21@00001@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@1@0@0
22@00001@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@3@0@0
23@00001@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@0@---
24@00001@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@0@2@3
25@00001@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+1.0000000E+000@ @---
26@00001@+1.0000000E+000@-1.0000000E+000@+0.0000000E+000@+0.0000000E+000@ @---
27@00001@+2.1167731E-003@+2.1167731E-003@+0.0000000E+000@+0.0000000E+000@ @---
01@00001@As        @37  @Blank          @          @          @N@940616@164343
02@00001@01@+2.1167731E-003@     0.002@     0.002@A@B@0    @    @00@00@164538@
03@00001@01@0.001        @+5.0160500E-003@+2.1167731E-003@0.002       @0300@N@-
04@00001@01@0.216        @+6.4205440E-003@+3.7453173E-003@60@--------@--------@
02@00001@02@+1.7756817E-003@     0.002@     0.002@A@B@0    @    @00@00@164759@
03@00001@02@0.001        @+5.4173340E-003@+1.7756817E-003@0.002       @0300@N@-
04@00001@02@0.233        @+6.5208650E-003@+4.3071149E-003@60@--------@--------@
05@00001@+1.9462274E-003@     0.002@     0.002@00@0.0002    @12.39@     @-----
01@00002@As        @38  @Standard 1     @          @          @N@940616@164806
02@00002@01@+3.1965615E-002@     0.032@     0.032@A@1@0    @    @00@00@165021@
03@00002@01@0.001        @+5.7082649E-002@+3.3911842E-002@0.002       @0300@N@-
04@00002@01@0.214        @+1.0734347E-002@+9.8515222E-003@60@--------@--------@
02@00002@02@+3.1035973E-002@     0.031@     0.031@A@1@0    @    @00@00@165246@
03@00002@02@0.001        @+6.0694205E-002@+3.2982201E-002@0.002       @0300@N@-
04@00002@02@0.242        @+9.9317790E-003@+1.1817814E-002@60@--------@--------@
05@00002@+3.1500794E-002@     0.032@     0.032@00@0.0007    @2.09 @     @-----
01@00003@As        @39  @Standard 2     @          @          @N@940616@165253
02@00003@01@+1.5479530E-001@     0.049@     0.049@A@2@0    @    @00@00@165510@
03@00003@01@0.001        @+2.7578243E-001@+1.5674153E-001@0.002       @0300@N@-
04@00003@01@0.232        @+3.9024869E-002@+2.9494374E-002@60@--------@--------@
```

```
02@00003@02@+1.5396598E-001@     0.049@     0.049@A@2@0    @    @00@00@165734@
03@00003@02@0.001       @+2.7578243E-001@+1.5591221E-001@0.002       @0300@N@-
04@00003@02@0.224       @+3.8623585E-002@+3.1266712E-002@60@--------@--------@
05@00003@+1.5438064E-001@     0.049@     0.049@00@0.0002    @0.38 @     @-----
01@00004@As         @40  @Standard 3     @          @          @N@940616@165742
02@00004@01@+3.0442407E-001@     0.099@     0.099@A@3@0    @    @00@00@165957@
```

```
03@00004@01@0.001        @+5.2508011E-001@+3.0637030E-001@0.002        @0300@N@-
04@00004@01@0.263        @+6.8117959E-002@+4.8394850E-002@60@--------@--------@
02@00004@02@+2.9922410E-001@     0.097@     0.097@A@3@0     @     @00@00@170217@
03@00004@02@0.001        @+5.0662105E-001@+3.0117033E-001@0.002        @0300@N@-
04@00004@02@0.258        @+6.5910897E-002@+4.7257879E-002@60@--------@--------@
05@00004@+3.0182409E-001@     0.098@     0.098@00@0.0012     @1.22 @     @-----
21@00004@+3.1500794E-002@+1.5438064E-001@+3.0182409E-001@+0.0000000E+000@0@0@0
22@00004@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@3@2@3
23@00004@+1.0000000E-002@+5.0000000E-002@+1.0000000E-001@+0.0000000E+000@0@---
24@00004@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@0@2@3
25@00004@+0.0000000E+000@+0.0000000E+000@+9.9992883E-001@+3.1745232E-001@ @---
26@00004@+1.0000000E+000@+1.2281367E-003@+3.0174561E+000@+0.0000000E+000@ @---
27@00004@+3.0182409E-001@+9.9618997E-002@+3.0182409E-001@+1.0000000E-001@ @---
01@00005@As        @1   @ICVF          @          @          @N@940616@170224
02@00005@01@+1.8262100E-001@     0.060@     0.060@A@U@0     @     @00@00@170441@
03@00005@01@0.000        @+3.1360345E-001@+1.8456723E-001@0.002        @0300@N@-
04@00005@01@0.255        @+4.0730326E-002@+3.0102988E-002@60@--------@--------@
02@00005@02@+1.8152416E-001@     0.060@     0.060@A@U@0     @     @00@00@170702@
03@00005@02@0.000        @+3.1400473E-001@+1.8347039E-001@0.002        @0300@N@-
04@00005@02@0.252        @+4.1833857E-002@+3.0069548E-002@60@--------@--------@
05@00005@+1.8207258E-001@     0.060@     0.060@00@0.0003     @0.43 @     @-----
01@00006@As        @37  @Blank         @          @          @N@940616@171902
02@00006@01@+1.8224982E-003@     0.000@     0.000@A@B@0     @     @00@00@172102@
03@00006@01@0.000        @+5.0160500E-003@+3.7687256E-003@0.002        @0300@N@-
04@00006@01@0.248        @+5.1163710E-003@+7.4438182E-003@60@--------@--------@
02@00006@02@+3.3105930E-004@    -0.000@    -0.000@A@B@0     @     @00@00@172322@
03@00006@02@0.000        @+4.5144450E-003@+2.2772867E-003@0.001        @0300@N@-
04@00006@02@0.245        @+5.0160500E-003@+7.2231120E-003@60@--------@--------@
05@00006@+1.0767787E-003@    -0.000@    -0.000@00@0.0003     @696.8@     @-----
01@00007@As        @38  @Standard 1    @          @          @N@940616@172328
02@00007@01@+2.9594695E-002@     0.009@     0.009@A@1@0     @     @00@00@172544@
03@00007@01@0.000        @+5.8186180E-002@+3.2617701E-002@0.001        @0300@N@-
04@00007@01@0.242        @+1.1837878E-002@+1.4165325E-002@60@--------@--------@
02@00007@02@+3.0407295E-002@     0.010@     0.010@A@1@0     @     @00@00@172807@
03@00007@02@0.000        @+6.1195810E-002@+3.3430301E-002@0.002        @0300@N@-
04@00007@02@0.241        @+1.2138841E-002@+1.5409306E-002@60@--------@--------@
05@00007@+3.0000995E-002@     0.010@     0.010@00@0.0002     @2.00 @     @-----
01@00008@As        @39  @Standard 2    @          @          @N@940616@172814
02@00008@01@+1.4875932E-001@     0.050@     0.050@A@2@0     @     @00@00@173032@
03@00008@01@0.001        @+2.5712272E-001@+1.5178233E-001@0.002        @0300@N@-
04@00008@01@0.240        @+3.4911708E-002@+2.9193411E-002@60@--------@--------@
02@00008@02@+1.5214348E-001@     0.051@     0.051@A@2@0     @     @00@00@173257@
03@00008@02@0.000        @+2.6434584E-001@+1.5516649E-001@0.001        @0300@N@-
04@00008@02@0.239        @+3.9125190E-002@+3.2075968E-002@60@--------@--------@
05@00008@+1.5045140E-001@     0.050@     0.050@00@0.0008     @1.59 @     @-----
01@00009@As        @40  @Standard 3    @          @          @N@940616@173304
02@00009@01@+2.9946487E-001@     0.100@     0.100@A@3@0     @     @00@00@173519@
03@00009@01@0.001        @+4.7080645E-001@+3.0248788E-001@0.002        @0300@N@-
04@00009@01@0.238        @+6.2800946E-002@+4.7157558E-002@60@--------@--------@
02@00009@02@+3.0207991E-001@     0.100@     0.100@A@3@0     @     @00@00@173739@
03@00009@02@0.000        @+4.7792924E-001@+3.0510291E-001@0.001        @0300@N@-
04@00009@02@0.237        @+6.5208650E-002@+4.8909832E-002@60@--------@--------@
05@00009@+3.0077239E-001@     0.100@     0.100@00@0.0006     @0.61 @     @-----
21@00009@+3.0000995E-002@+1.5045140E-001@+3.0077239E-001@+0.0000000E+000@0@0@0
22@00009@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@3@2@3
23@00009@+1.0000000E-002@+5.0000000E-002@+1.0000000E-001@+0.0000000E+000@0@---
24@00009@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@+0.0000000E+000@0@2@3
25@00009@+0.0000000E+000@+0.0000000E+000@+9.9999992E-001@+3.3332228E-001@ @---
26@00009@+1.0000000E+000@-2.1722733E-005@+3.0081980E+000@+0.0000000E+000@ @---
27@00009@+3.0077239E-001@+9.9991461E-002@+3.0077239E-001@+1.0000000E-001@ @---
```

```
01@00010@As          @1    @ICVF                @              @              @N@940616@173747
02@00010@01@+1.8379810E-001@       0.061@       0.061@A@U@0      @      @00@00@174003@
03@00010@01@0.001          @+3.1490762E-001@+1.8682111E-001@0.001          @0300@N@-
04@00010@01@0.237          @+4.3037709E-002@+3.1226583E-002@60@---------@---------@
02@00010@02@+1.7858141E-001@       0.059@       0.059@A@U@0      @      @00@00@174224@
03@00010@02@0.000          @+3.0196621E-001@+1.8160442E-001@0.001          @0300@N@-
```

```
04@00010@02@0.236        @+3.9827437E-002@+3.1052694E-002@60@--------@--------@
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01@00011@As        @2    @ICB              @          @          @N@940616@174231
02@00011@01@-4.6816467E-004@    -0.000@    -0.000@A@U@0    @    @00@00@174445@
03@00011@01@0.000        @+4.9157290E-003@+2.5548415E-003@0.001       @0300@N@-
04@00011@01@0.235        @+5.6179760E-003@+8.6209179E-003@60@--------@--------@
02@00011@02@-2.5581855E-003@    -0.001@    -0.001@A@U@0    @    @00@00@174707@
03@00011@02@0.001        @+4.5144450E-003@+4.6482063E-004@0.001       @0300@N@-
04@00011@02@0.235        @+6.2199020E-003@+9.3499172E-003@60@--------@--------@
05@00011@-1.5131751E-003@    -0.000@    -0.000@00@0.0005    @99.09@     @-----
01@00012@As        @3    @CRA              @          @          @N@940616@174714
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04@00012@01@0.235        @+1.2038520E-002@+1.5335737E-002@60@--------@--------@
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03@00012@02@0.000        @+5.9089069E-002@+3.3353388E-002@0.001       @0300@N@-
04@00012@02@0.234        @+1.1135631E-002@+1.7295340E-002@60@--------@--------@
05@00012@+3.0979125E-002@     0.010@     0.010@00@0.0003    @2.96 @     @-----
01@00013@As        @4    @CCVF             @          @          @N@940616@175200
02@00013@01@+1.7611017E-001@     0.059@     0.059@A@U@0    @    @00@00@175417@
03@00013@01@0.001        @+2.9303764E-001@+1.7913318E-001@0.002       @0300@N@-
04@00013@01@0.233        @+4.0630005E-002@+2.9882282E-002@60@--------@--------@
02@00013@02@+1.5850049E-001@     0.053@     0.053@A@U@0    @    @00@00@175641@
03@00013@02@0.000        @+3.0999189E-001@+1.6152350E-001@0.001       @0300@N@-
04@00013@02@0.234        @+5.4173340E-002@+3.1801757E-002@60@--------@--------@
05@00013@+1.6730533E-001@     0.056@     0.056@00@0.0041    @7.44 @     @-----
01@00014@As        @5    @CCB              @          @          @N@940616@175648
02@00014@01@-6.3536633E-004@    -0.000@    -0.000@A@U@0    @    @00@00@175907@
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04@00014@02@0.233        @+5.2166920E-003@+6.5275531E-003@60@--------@--------@
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03@00015@01@0.000        @+4.9157290E-003@+1.0834668E-003@0.002       @0300@N@-
04@00015@01@0.233        @+4.5144450E-003@+4.3271791E-003@60@--------@--------@
02@00015@02@-2.3140711E-003@    -0.001@    -0.001@A@U@0    @    @00@00@180626@
03@00015@02@0.000        @+6.2199020E-003@+7.0893507E-004@0.002       @0300@N@-
04@00015@02@0.232        @+4.4141240E-003@+3.8857667E-003@60@--------@--------@
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13@00016@01@0.000        @+1.0814604E-001@+6.1653943E-002@0.002       @0300@N@-
14@00016@01@0.232        @+1.7054570E-002@+1.3737289E-002@60@--------@--------@
12@00016@02@+5.9888293E-002@     0.020@     0.020@A@U@0    @    @00@00@181140@
13@00016@02@0.000        @+1.0874796E-001@+6.2911299E-002@0.001       @0300@N@-
14@00016@02@0.233        @+1.6552965E-002@+1.4372655E-002@60@--------@--------@
15@00016@+5.9259615E-002@     0.020@     0.020@00@0.0003    @1.50 @102.0@-----
01@00017@As        @7    @0805(1:2)        @          @          @N@940616@181147
02@00017@01@+1.1723512E-001@     0.039@     0.039@A@U@0    @    @00@00@181408@
03@00017@01@0.001        @+2.0365163E-001@+1.2025813E-001@0.001       @0300@N@-
04@00017@01@0.233        @+2.9594695E-002@+2.3909838E-002@60@--------@--------@
02@00017@02@+1.1606805E-001@     0.039@     0.039@A@U@0    @    @00@00@181636@
03@00017@02@0.001        @+1.9853526E-001@+1.1909106E-001@0.002       @0300@N@-
04@00017@02@0.232        @+2.7287312E-002@+2.5555103E-002@60@--------@--------@
05@00017@+1.1665159E-001@     0.039@     0.039@00@0.0003    @0.71 @     @-----
11@00018@As        @7    @0805(1:2)        @          @          @N@940616@181642
12@00018@01@+1.7353861E-001@     0.058@     0.058@A@U@0    @    @00@00@181913@
```

```
13@00018@01@0.000        @+2.8822223E-001@+1.7656162E-001@0.002        @0300@N@-
14@00018@01@0.233        @+4.0730326E-002@+3.4436855E-002@60@--------@--------@
12@00018@02@+1.7101386E-001@     0.057@     0.057@A@U@0    @    @00@00@182150@
13@00018@02@0.000        @+2.9083058E-001@+1.7403687E-001@0.001        @0300@N@-
14@00018@02@0.232        @+3.8924548E-002@+3.3159435E-002@60@--------@--------@
15@00018@+1.7227624E-001@     0.057@     0.057@00@0.0006    @1.04 @92.5 @-----
```

```
01@00019@As          @8    @0786                @              @              @N@940616@182157
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03@00019@01@0.000         @+6.4205440E-003@+4.6950228E-003@0.001          @0300@N@-
04@00019@01@0.232         @+5.1765636E-002@+4.5164514E-002@60@--------@--------@
02@00019@02@+1.1704117E-003@      0.000@      0.000@A@U@0     @     @00@00@182647@
03@00019@02@0.000         @+7.1227910E-003@+4.1934178E-003@0.002          @0300@N@-
04@00019@02@0.232         @+5.2969488E-002@+4.4957184E-002@60@--------@--------@
05@00019@+1.4212142E-003@      0.000@      0.000@00@0.0001     @24.58@      @-----
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14@00020@01@0.232         @+6.6613144E-002@+5.5397256E-002@60@--------@--------@
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14@00020@02@0.232         @+6.6914107E-002@+5.5631339E-002@60@--------@--------@
15@00020@+6.6842210E-002@      0.022@      0.022@00@0.0004     @1.65 @108.7@-----
01@00021@As          @9    @0801                @              @              @N@940616@183207
02@00021@01@-7.4906347E-004@     -0.000@     -0.000@A@U@0     @     @00@00@183431@
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04@00021@01@0.236         @+1.6191809E-001@+4.3628265E-001@60@--------@--------@
02@00021@02@-1.1770997E-003@     -0.000@     -0.000@A@U@0     @     @00@00@183701@
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14@00022@01@0.236         @+1.7586271E-001@+4.5217350E-001@60@--------@--------@
12@00022@02@+6.0623980E-002@      0.020@      0.020@A@U@0     @     @00@00@184215@
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14@00022@02@0.236         @+1.8057780E-001@+4.5274867E-001@60@--------@--------@
15@00022@+6.0595556E-002@      0.020@      0.020@00@0.0000     @0.07 @102.3@-----
01@00023@As          @10   @0803(1:20)          @              @              @N@940616@184222
02@00023@01@+1.4529156E-001@      0.048@      0.048@A@U@0     @     @00@00@184447@
03@00023@01@0.000         @+2.3234344E-001@+1.4831457E-001@0.001          @0300@N@-
04@00023@01@0.231         @+2.9895658E-002@+2.3334665E-002@60@--------@--------@
02@00023@02@+1.4300090E-001@      0.048@      0.048@A@U@0     @     @00@00@184718@
03@00023@02@0.001         @+2.3445018E-001@+1.4602390E-001@0.002          @0300@N@-
04@00023@02@0.231         @+3.1300152E-002@+2.3495178E-002@60@--------@--------@
05@00023@+1.4414623E-001@      0.048@      0.048@00@0.0005     @1.12 @      @-----
11@00024@As          @10   @0803(1:20)          @              @              @N@940616@184725
12@00024@01@+1.9386364E-001@      0.064@      0.064@A@U@0     @     @00@00@184955@
13@00024@01@0.000         @+3.3326636E-001@+1.9688665E-001@0.002          @0300@N@-
14@00024@01@0.230         @+4.3238351E-002@+2.8899136E-002@60@--------@--------@
12@00024@02@+1.9445554E-001@      0.065@      0.065@A@U@0     @     @00@00@185232@
13@00024@02@0.000         @+3.3216283E-001@+1.9747854E-001@0.002          @0300@N@-
14@00024@02@0.230         @+4.4241561E-002@+2.8778751E-002@60@--------@--------@
15@00024@+1.9415959E-001@      0.065@      0.065@00@0.0001     @0.22 @83.1 @-----
01@00025@As          @4    @CCVF                @              @              @N@940616@185239
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04@00025@01@0.230         @+3.4711066E-002@+2.5227387E-002@60@--------@--------@
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03@00025@02@0.001         @+2.7417729E-001@+1.8004610E-001@0.001          @0300@N@-
04@00025@02@0.229         @+3.4610745E-002@+2.4364627E-002@60@--------@--------@
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01@00026@As          @5    @CCB                 @              @              @N@940616@185732
02@00026@01@-2.0398603E-003@     -0.001@     -0.001@A@U@0     @     @00@00@185950@
03@00026@01@0.001         @+4.1131610E-003@+9.8314580E-004@0.001          @0300@N@-
04@00026@01@0.229         @+5.2166920E-003@+4.4074359E-003@60@--------@--------@
```

```
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04@00026@02@0.229        @+5.6179760E-003@+4.3405553E-003@60@--------@--------@
05@00026@-2.0632686E-003@     -0.001@     -0.001@00@0.0000     @1.62 @     @-----
01@00027@As         @11  @0799            @           @           @N@940616@190222
02@00027@01@+1.7121451E-003@     0.001@     0.001@A@U@0     @     @00@00@190445@
```

```
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02@00027@02@+1.5081590E-003@     0.001@     0.001@A@U@0    @    @00@00@190716@
03@00027@02@0.001        @+9.9317790E-003@+4.5311652E-003@0.001        @0300@N@-
04@00027@02@0.276        @+1.8278486E-001@+4.6506140E-001@60@--------@--------@
05@00027@+1.6101521E-003@     0.001@     0.001@00@0.0000    @8.84 @     @-----
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13@00028@01@0.001        @+1.1867974E-001@+6.4747173E-002@0.001        @0300@N@-
14@00028@01@0.275        @+1.9763237E-001@+4.6524867E-001@60@--------@--------@
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14@00028@02@0.275        @+2.0024072E-001@+4.7065263E-001@60@--------@--------@
15@00028@+6.3085189E-002@     0.021@     0.021@00@0.0006    @3.05 @102.2@-----
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14@00030@01@0.268        @+1.5750397E-002@+1.1309521E-002@60@--------@--------@
12@00030@02@+5.8737946E-002@     0.020@     0.020@A@U@0    @    @00@00@192239@
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14@00030@02@0.268        @+1.4646866E-002@+1.0319687E-002@60@--------@--------@
15@00030@+5.8433638E-002@     0.019@     0.019@00@0.0001    @0.74 @99.5 @-----
01@00031@As        @13  @1395(1:20)    @          @          @N@940616@192246
02@00031@01@+1.4397067E-001@     0.048@     0.048@A@U@0    @    @00@00@192509@
03@00031@01@0.000        @+2.3274472E-001@+1.4699367E-001@0.002        @0300@N@-
04@00031@01@0.267        @+3.2002399E-002@+2.0987153E-002@60@--------@--------@
02@00031@02@+1.4282032E-001@     0.047@     0.047@A@U@0    @    @00@00@192739@
03@00031@02@0.001        @+2.3164119E-001@+1.4584333E-001@0.001        @0300@N@-
04@00031@02@0.267        @+3.0798547E-002@+2.2191005E-002@60@--------@--------@
05@00031@+1.4339549E-001@     0.048@     0.048@00@0.0003    @0.57 @     @-----
11@00032@As        @13  @1395(1:20)    @          @          @N@940616@192745
12@00032@01@+1.9407097E-001@     0.065@     0.065@A@U@0    @    @00@00@193013@
13@00032@01@0.000        @+3.3075834E-001@+1.9709398E-001@0.001        @0300@N@-
14@00032@01@0.267        @+4.4843487E-002@+2.8390843E-002@60@--------@--------@
12@00032@02@+1.9517785E-001@     0.065@     0.065@A@U@0    @    @00@00@193247@
13@00032@02@0.000        @+3.0567809E-001@+1.9820086E-001@0.001        @0300@N@-
14@00032@02@0.268        @+4.0630005E-002@+2.9420805E-002@60@--------@--------@
15@00032@+1.9462441E-001@     0.065@     0.065@00@0.0003    @0.40 @85.1 @-----
01@00033@As        @14  @1385          @          @          @N@940616@193254
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03@00033@01@0.001        @+5.7182970E-003@+4.4542524E-003@0.001        @0300@N@-
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13@00034@01@0.000        @+1.0583866E-001@+5.6249985E-002@0.002        @0300@N@-
14@00034@01@0.272        @+1.9863558E-001@+5.0559778E-001@60@--------@--------@
12@00034@02@+5.0849371E-002@     0.017@     0.017@A@U@0    @    @00@00@194252@
13@00034@02@0.001        @+1.0704251E-001@+5.3872377E-002@0.001        @0300@N@-
```

```
14@00034@02@0.273        @+1.9662916E-001@+5.0298274E-001@60@--------@--------@
15@00034@+5.2038175E-002@     0.017@     0.017@00@0.0006    @3.23 @84.6 @-----
01@00035@As         @15  @1386              @          @          @N@940616@194259
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03@00035@01@0.000        @+7.2231120E-003@+4.3673075E-003@0.001       @0300@N@-
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```

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15@00036@+5.0601912E-002@     0.017@     0.017@00@0.0004    @2.20 @82.7 @-----
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02@00037@01@+1.7617371E-001@     0.059@     0.059@A@U@0    @    @00@00@195518@
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04@00037@02@0.266        @+3.6516844E-002@+2.6384423E-002@60@--------@--------@
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15@00042@+5.6499115E-002@     0.019@     0.019@00@0.0010    @5.42 @85.9 @-----
```

```
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02@00043@02@+4.1165050E-003@     0.001@     0.001@A@U@0    @    @00@00@202720@
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```

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14@00044@02@0.270       @+2.0375195E-001@+4.7142176E-001@60@--------@--------@
15@00044@+5.4345558E-002@     0.018@     0.018@00@0.0001    @0.64 @82.3 @-----
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```

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```

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15@00052@+5.3101577E-002@     0.018@     0.018@00@0.0004    @2.11 @88.4 @-----
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15@00054@+4.8958320E-002@     0.016@     0.016@00@0.0004    @2.32 @84.6 @-----
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14@00056@01@0.263        @+2.9494374E-002@+1.6726855E-002@60@--------@--------@
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03@00057@01@0.001        @+2.2823028E-001@+1.1639577E-001@0.001        @0300@N@-
04@00057@01@0.262        @+4.2335462E-002@+2.6217221E-002@60@--------@--------@
02@00057@02@+1.1727859E-001@     0.039@     0.039@A@U@0    @    @00@00@213634@
03@00057@02@0.000        @+2.3174151E-001@+1.2030160E-001@0.001        @0300@N@-
04@00057@02@0.263        @+4.1633215E-002@+2.4819415E-002@60@--------@--------@
05@00057@+1.1532568E-001@     0.038@     0.038@00@0.0009    @2.39 @     @-----
11@00058@As        @24  @0785          @          @          @N@940616@213641
12@00058@01@+1.4793000E-001@     0.049@     0.049@A@U@0    @    @00@00@213911@
13@00058@01@0.001        @+2.9544535E-001@+1.5095301E-001@0.001        @0300@N@-
14@00058@01@0.263        @+5.0762426E-002@+2.8919200E-002@60@--------@--------@
12@00058@02@+1.3220636E-001@     0.044@     0.044@A@U@0    @    @00@00@214148@
13@00058@02@0.001        @+2.6424551E-001@+1.3522936E-001@0.001        @0300@N@-
14@00058@02@0.262        @+4.6950228E-002@+2.4458260E-002@60@--------@--------@
15@00058@+1.4006818E-001@     0.047@     0.047@00@0.0037    @7.94 @41.1 @-----
01@00059@As        @25  @1210          @          @          @N@940616@214155
02@00059@01@-4.9491693E-004@    -0.000@    -0.000@A@U@0    @    @00@00@214414@
03@00059@01@0.000        @+4.9157290E-003@+2.5280892E-003@0.001        @0300@N@-
04@00059@01@0.262        @+1.5750397E-002@+8.1928817E-003@60@--------@--------@
```

```
02@00059@02@-2.5648736E-003@    -0.001@    -0.001@A@U@0    @    @00@00@214642@
03@00059@02@0.001       @+4.2134820E-003@+4.5813257E-004@0.001       @0300@N@-
04@00059@02@0.261       @+1.1135631E-002@+8.3400191E-003@60@--------@--------@
05@00059@-1.5298953E-003@    -0.001@    -0.001@00@0.0005    @97.05@     @-----
11@00060@As         @25  @1210            @          @          @N@940616@214648
12@00060@01@+5.7965474E-002@     0.019@     0.019@A@U@0    @    @00@00@214919@
```

```
13@00060@01@0.000        @+1.0995182E-001@+6.0988480E-002@0.001        @0300@N@-
14@00060@01@0.262        @+2.1167731E-002@+1.2252538E-002@60@--------@--------@
12@00060@02@+5.9908357E-002@     0.020@     0.020@A@U@0    @    @00@00@215156@
13@00060@02@0.001        @+1.1085471E-001@+6.2931363E-002@0.001        @0300@N@-
14@00060@02@0.262        @+2.1970299E-002@+1.1396466E-002@60@--------@--------@
15@00060@+5.8936915E-002@     0.020@     0.020@00@0.0005    @2.33 @100.5@-----
01@00061@As        @4   @CCVF             @          @          @N@940616@215203
02@00061@01@+1.7594631E-001@     0.058@     0.058@A@U@0    @    @00@00@215421@
03@00061@01@0.001        @+3.2263234E-001@+1.7896932E-001@0.002        @0300@N@-
04@00061@01@0.261        @+4.3338672E-002@+2.6136965E-002@60@--------@--------@
02@00061@02@+1.7797614E-001@     0.059@     0.059@A@U@0    @    @00@00@215646@
03@00061@02@0.001        @+3.2443811E-001@+1.8099915E-001@0.001        @0300@N@-
04@00061@02@0.260        @+4.6649265E-002@+2.6130276E-002@60@--------@--------@
05@00061@+1.7696123E-001@     0.059@     0.059@00@0.0005    @0.81 @     @-----
01@00062@As        @5   @CCB              @          @          @N@940616@215653
02@00062@01@-1.1001870E-003@    -0.000@    -0.000@A@U@0    @    @00@00@215911@
03@00062@01@0.001        @+3.9125190E-003@+1.9228192E-003@0.001        @0300@N@-
04@00062@01@0.260        @+9.9317790E-003@+6.1530213E-003@60@--------@--------@
02@00062@02@-1.6519525E-003@    -0.001@    -0.001@A@U@0    @    @00@00@220136@
03@00062@02@0.001        @+4.8154080E-003@+1.3710537E-003@0.001        @0300@N@-
04@00062@02@0.259        @+1.3142051E-002@+7.3301211E-003@60@--------@--------@
05@00062@-1.3760697E-003@    -0.000@    -0.000@00@0.0001    @28.81@     @-----
01@00063@As        @26  @1212(1:2)        @          @          @N@940616@220144
02@00063@01@+1.1677030E-001@     0.039@     0.039@A@U@0    @    @00@00@220404@
03@00063@01@0.001        @+2.2562193E-001@+1.1979331E-001@0.001        @0300@N@-
04@00063@01@0.260        @+3.7018449E-002@+2.1575703E-002@60@--------@--------@
02@00063@02@+1.1871987E-001@     0.039@     0.039@A@U@0    @    @00@00@220633@
03@00063@02@0.001        @+2.2481936E-001@+1.2174288E-001@0.001        @0300@N@-
04@00063@02@0.260        @+3.6717486E-002@+2.2231134E-002@60@--------@--------@
05@00063@+1.1774509E-001@     0.039@     0.039@00@0.0005    @1.17 @     @-----
11@00064@As        @26  @1212(1:2)        @          @          @N@940616@220640
12@00064@01@+1.6319551E-001@     0.054@     0.054@A@U@0    @    @00@00@220910@
13@00064@01@0.001        @+3.1229927E-001@+1.6621852E-001@0.002        @0300@N@-
14@00064@01@0.260        @+5.3069809E-002@+2.8009623E-002@60@--------@--------@
12@00064@02@+1.6280092E-001@     0.054@     0.054@A@U@0    @    @00@00@221147@
13@00064@02@0.000        @+3.1009221E-001@+1.6582392E-001@0.001        @0300@N@-
14@00064@02@0.260        @+5.6380402E-002@+2.7842422E-002@60@--------@--------@
15@00064@+1.6299822E-001@     0.054@     0.054@00@0.0001    @0.17 @75.2 @-----
01@00065@As        @27  @1208             @          @          @N@940616@221154
02@00065@01@+1.2439804E-002@     0.004@     0.004@A@U@0    @    @00@00@221416@
03@00065@01@0.001        @+2.9995979E-002@+1.5462810E-002@0.001        @0300@N@-
04@00065@01@0.260        @+3.0898868E-002@+1.8606201E-002@60@--------@--------@
02@00065@02@+9.9384671E-003@     0.003@     0.003@A@U@0    @    @00@00@221647@
03@00065@02@0.001        @+2.8089880E-002@+1.2961473E-002@0.001        @0300@N@-
04@00065@02@0.260        @+3.1400473E-002@+2.0064200E-002@60@--------@--------@
05@00065@+1.1189136E-002@     0.004@     0.004@00@0.0006    @15.78@     @-----
11@00066@As        @27  @1208             @          @          @N@940616@221654
12@00066@01@+6.6609800E-002@     0.022@     0.022@A@U@0    @    @00@00@221924@
13@00066@01@0.001        @+1.4085068E-001@+6.9632806E-002@0.001        @0300@N@-
14@00066@01@0.260        @+4.2636425E-002@+2.5822625E-002@60@--------@--------@
12@00066@02@+6.4867559E-002@     0.022@     0.022@A@U@0    @    @00@00@222200@
13@00066@02@0.001        @+1.4135229E-001@+6.7890565E-002@0.001        @0300@N@-
14@00066@02@0.261        @+4.2937388E-002@+2.5815937E-002@60@--------@--------@
15@00066@+6.5738679E-002@     0.022@     0.022@00@0.0004    @1.87 @90.7 @-----
01@00067@As        @28  @1209             @          @          @N@940616@222207
02@00067@01@+1.1704117E-004@     0.000@     0.000@A@U@0    @    @00@00@222432@
03@00067@01@0.001        @+5.7182970E-003@+3.1400473E-003@0.002        @0300@N@-
04@00067@01@0.261        @+2.8992769E-002@+1.8666394E-002@60@--------@--------@
02@00067@02@-1.7188331E-003@    -0.001@    -0.001@A@U@0    @    @00@00@222705@
03@00067@02@0.001        @+4.5144450E-003@+1.3041730E-003@0.001        @0300@N@-
```

```
04@00067@02@0.261        @+2.8691806E-002@+1.9602723E-002@60@--------@--------@
05@00067@-8.0089598E-004@    -0.000@    -0.000@00@0.0004    @166.6@     @-----
11@00068@As        @28  @1209          @          @          @N@940616@222711
12@00068@01@+4.8391506E-002@     0.016@     0.016@A@U@0    @    @00@00@222942@
13@00068@01@0.001        @+1.0052164E-001@+5.1414513E-002@0.001       @0300@N@-
14@00068@01@0.261        @+3.6918128E-002@+2.2471904E-002@60@--------@--------@
```

```
12@00068@02@+4.8013631E-002@     0.016@     0.016@A@U@0    @    @00@00@223218@
13@00068@02@0.001        @+1.0212678E-001@+5.1036637E-002@0.001        @0300@N@-
14@00068@02@0.261        @+3.4610745E-002@+2.0465484E-002@60@--------@--------@
15@00068@+4.8202568E-002@     0.016@     0.016@00@0.0001    @0.55 @81.4 @-----
01@00069@As         @29  @1204           @          @          @N@940616@223225
02@00069@01@-2.0565805E-003@    -0.001@    -0.001@A@U@0    @    @00@00@223450@
03@00069@01@0.001        @+4.0128400E-003@+9.6642563E-004@0.001        @0300@N@-
04@00069@01@0.261        @+1.4546545E-002@+1.0025412E-002@60@--------@--------@
02@00069@02@-2.5013369E-003@    -0.001@    -0.001@A@U@0    @    @00@00@223721@
03@00069@02@0.001        @+4.2134820E-003@+5.2166920E-004@0.002        @0300@N@-
04@00069@02@0.262        @+1.7355533E-002@+1.0774475E-002@60@--------@--------@
05@00069@-2.2789587E-003@    -0.001@    -0.001@00@0.0001    @13.93@     @-----
11@00070@As         @29  @1204           @          @          @N@940616@223727
12@00070@01@+4.7919998E-002@     0.016@     0.016@A@U@0    @    @00@00@223956@
13@00070@01@0.001        @+9.5806555E-002@+5.0943004E-002@0.001        @0300@N@-
14@00070@01@0.262        @+2.5280892E-002@+1.4051628E-002@60@--------@--------@
12@00070@02@+4.9428157E-002@     0.016@     0.016@A@U@0    @    @00@00@224232@
13@00070@02@0.001        @+9.8515222E-002@+5.2451163E-002@0.001        @0300@N@-
14@00070@02@0.263        @+2.5581855E-002@+1.3503207E-002@60@--------@--------@
15@00070@+4.8674077E-002@     0.016@     0.016@00@0.0004    @2.19 @84.7 @-----
01@00071@As         @30  @1205           @          @          @N@940616@224239
02@00071@01@-1.7422414E-003@    -0.001@    -0.001@A@U@0    @    @00@00@224502@
03@00071@01@0.001        @+4.8154080E-003@+1.2807648E-003@0.002        @0300@N@-
04@00071@01@0.262        @+1.4646866E-002@+1.0774475E-002@60@--------@--------@
02@00071@02@-2.0064200E-003@    -0.001@    -0.001@A@U@0    @    @00@00@224731@
03@00071@02@0.001        @+4.7150870E-003@+1.0165861E-003@0.002        @0300@N@-
04@00071@02@0.262        @+1.7556175E-002@+1.1028622E-002@60@--------@--------@
05@00071@-1.8743307E-003@    -0.001@    -0.001@00@0.0001    @10.08@     @-----
11@00072@As         @30  @1205           @          @          @N@940616@224737
12@00072@01@+4.6013899E-002@     0.015@     0.015@A@U@0    @    @00@00@225005@
13@00072@01@0.001        @+9.5505592E-002@+4.9036905E-002@0.002        @0300@N@-
14@00072@01@0.262        @+2.4378003E-002@+1.3850986E-002@60@--------@--------@
12@00072@02@+4.7468553E-002@     0.016@     0.016@A@U@0    @    @00@00@225239@
13@00072@02@0.001        @+9.4402061E-002@+5.0491559E-002@0.001        @0300@N@-
14@00072@02@0.262        @+2.4678966E-002@+1.4198766E-002@60@--------@--------@
15@00072@+4.6741226E-002@     0.016@     0.016@00@0.0003    @2.20 @80.8 @-----
01@00073@As         @4   @CCVF           @          @          @N@940616@225246
02@00073@01@+1.7945420E-001@     0.060@     0.060@A@U@0    @    @00@00@225506@
03@00073@01@0.001        @+3.2574229E-001@+1.8247721E-001@0.002        @0300@N@-
04@00073@01@0.262        @+5.0260821E-002@+2.8611549E-002@60@--------@--------@
02@00073@02@+1.8087207E-001@     0.060@     0.060@A@U@0    @    @00@00@225730@
03@00073@02@0.001        @+3.3216283E-001@+1.8389508E-001@0.001        @0300@N@-
04@00073@02@0.261        @+4.9959858E-002@+2.7588275E-002@60@--------@--------@
05@00073@+1.8016314E-001@     0.060@     0.060@00@0.0003    @0.56 @     @-----
01@00074@As         @5   @CCB            @          @          @N@940616@225737
02@00074@01@-1.1470034E-003@    -0.000@    -0.000@A@U@0    @    @00@00@225956@
03@00074@01@0.001        @+4.8154080E-003@+1.8760027E-003@0.002        @0300@N@-
04@00074@01@0.261        @+1.3643656E-002@+6.8218280E-003@60@--------@--------@
02@00074@02@-2.3608875E-003@    -0.001@    -0.001@A@U@0    @    @00@00@230221@
03@00074@02@0.001        @+5.0160500E-003@+6.6211860E-004@0.001        @0300@N@-
04@00074@02@0.261        @+1.1938199E-002@+6.8686445E-003@60@--------@--------@
05@00074@-1.7539455E-003@    -0.001@    -0.001@00@0.0003    @49.55@     @-----
01@00075@As         @31  @1207           @          @          @N@940616@230229
02@00075@01@+2.0064200E-005@     0.000@     0.000@A@U@0    @    @00@00@230449@
03@00075@01@0.000        @+4.5144450E-003@+3.0430703E-003@0.001        @0300@N@-
04@00075@01@0.261        @+1.3142051E-002@+7.9186709E-003@60@--------@--------@
02@00075@02@-1.9596035E-003@    -0.001@    -0.001@A@U@0    @    @00@00@230716@
03@00075@02@0.001        @+4.9157290E-003@+1.0634026E-003@0.001        @0300@N@-
04@00075@02@0.261        @+1.5951039E-002@+9.2830365E-003@60@--------@--------@
05@00075@-9.6976967E-004@    -0.000@    -0.000@00@0.0005    @147.7@     @-----
```

```
11@00076@As          @31  @1207              @          @          @N@940616@230722
12@00076@01@+5.0685513E-002@     0.017@     0.017@A@U@0    @    @00@00@230950@
13@00076@01@0.001        @+1.0122389E-001@+5.3708519E-002@0.002        @0300@N@-
14@00076@01@0.260        @+2.5682176E-002@+1.3215620E-002@60@--------@--------@
12@00076@02@+4.9033561E-002@     0.016@     0.016@A@U@0    @    @00@00@231224@
13@00076@02@0.001        @+1.0112357E-001@+5.2056567E-002@0.002        @0300@N@-
```

```
14@00076@02@0.260        @+2.6284102E-002@+1.4198766E-002@60@--------@--------@
15@00076@+4.9859537E-002@      0.017@      0.017@00@0.0004     @2.34 @84.5 @-----
01@00077@As          @4    @CCVF                @           @          @N@940616@231230
02@00077@01@+1.7773872E-001@      0.059@      0.059@A@U@0     @     @00@00@231449@
03@00077@01@0.001        @+3.2704646E-001@+1.8076172E-001@0.001        @0300@N@-
04@00077@01@0.259        @+4.8756006E-002@+2.8310586E-002@60@--------@--------@
02@00077@02@+1.7641113E-001@      0.059@      0.059@A@U@0     @     @00@00@231713@
03@00077@02@0.001        @+2.9885626E-001@+1.7943414E-001@0.002        @0300@N@-
04@00077@02@0.259        @+3.8322622E-002@+2.6203845E-002@60@--------@--------@
05@00077@+1.7707493E-001@      0.059@      0.059@00@0.0003     @0.53 @      @-----
01@00078@As          @5    @CCB                 @           @          @N@940616@231720
02@00078@01@-1.8559385E-003@     -0.001@     -0.001@A@U@0     @     @00@00@231939@
03@00078@01@0.001        @+4.5144450E-003@+1.1670676E-003@0.002        @0300@N@-
04@00078@01@0.259        @+9.8314580E-003@+5.3705175E-003@60@--------@--------@
02@00078@02@-2.9059650E-003@     -0.001@     -0.001@A@U@0     @     @00@00@232204@
03@00078@02@0.001        @+3.6115560E-003@+1.1704117E-004@0.001        @0300@N@-
04@00078@02@0.260        @+1.3743977E-002@+7.9721755E-003@60@--------@--------@
05@00078@-2.3809517E-003@     -0.001@     -0.001@00@0.0002     @31.47@      @-----
```

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Pb DATE: 6/24/94 ANALYST: Rec (CLP)

FURNACE#: 1 DATA FILE #: 10624PB2 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.002

Part 1 of

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK			CALIBRATE
–	–	0.005			CALIBRATE
–	–	0.050			CALIBRATE
–	–	0.100			CALIBRATE
1		R-1C	1:10	0.072	0.720 103%
2		Blk		<	
3		0.003		0.002	
4	CCVF1	R-1C	1:10	0.071	0.710 101%
5	CCB1	Blk		<	
6	PBW 94-2519	0802		<	PBW1
		+.020		0.020	100%
7	LCSW	0804		0.051	LCSW1
		+.020		0.068	85%
8		0786		0.004	
		+.020		0.025	105%
9	PBS 94-2531, 2537	1035		<	
		+.020		0.020	100%
10	LCSS	1036	1:20	0.025	0.500
		+.020	↓	0.045	100%
4	CCVF2	R-1C	1:10	0.070	0.700 100%
5	CCB2	Blk		<	
11		1014		0.041	
		+.020		0.058	85%
12		1015		0.025	
		+.020		0.044	95%
13		1016		0.039	
		+.020		0.057	90%
14		1017		0.048	
		+.020		0.064	80% *
15		1018		0.046	
		+.020		0.062	80% *
4	CCVF3	R-1C	1:10	0.070	0.700 100%
5	CCB3	Blk		<	
16		1019		0.029	
		+.020		0.046	85%
17		1020		0.029	
		+.020		0.047	90%
18		1021		0.036	
		+.020		0.055	95%
19		1022		0.041	
		+.020		0.059	90%
20		1023		0.043	
		+.020		0.060	85%
4	CCVF4	R-1C	1:10	0.071	0.710 101%
5	CCB4	Blk		<	
21		1024		0.043	
		+.020		0.061	90%
22		1025		0.042	
		+.020		0.061	95%
23		1026		0.041	
		+.020		0.057	80% *
24		1027		0.054	
		+.020		0.071	85%

6/96

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Pb DATE: 6/24/94 ANALYST: Doc (CLP)

FURNACE#: 1 DATA FILE #: 10624PB2 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.002

Part 1 of

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
25		1028		0.067	
		+.020		0.083	80% *
4	CCVF5	R-1C	1:10	0.071	0.710 101%
5	CCB5	Blk		<	
26		1029		0.033	
		+.020		0.051	90%
27		1030		—	
		+.020		—	
28		1031		0.052	
		+.020		0.068	80% *
29		1032		0.045	
		+.020		0.061	80% *
30					
4	CCVF6	R-1C	1:10	0.072	0.720 103%
5	CCB6	Blk		<	
31		1030	1:5	0.031	0.155
		+.020	↓	0.050	95%
32					
33					
34					
35					

CCVF7
CCB7

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
4	CCVF8	R-1C	1:10	0.073	0.730 104%
5	CCB8	Blk		<	

0.120

Element File: PB2.GEL
Date: 06/24/94
Data File: 10624PB2.DAT
Technique: HGA
Remark 1: Analyst: JAC
Remark 2: Furnace #1
Remark 3: Detection Limit: 0.002 mg/l

Element: Pb
Time: 07:10
ID/Wt File: PB_CLP2.IDW
Calib. Type: Linear

Wavelength: 283.3
Slit: 0.7
Lamp Current: 0
Energy: 71

JAC 6/24/94

Pb ID: Blank Seq. No.: 00001 A/S Pos.: 37 Date: 06/24/94

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Time: 07:12
Peak Height (A): 0.005
Background Pk Height (A): 0.003

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): -0.001

Time: 07:14
Peak Height (A): 0.003
Background Pk Height (A): 0.003

Mean Conc (mg/L): -0.001 SD: 0.0003 RSD(%): 34.96

Auto-zero performed.

~~~~~~

Pb ID: Standard 1 Seq. No.: 00002 A/S Pos.: 38 Date: 06/24/94

Replicate 1 Time: 07:17
Peak Area (A-s): 0.023 Peak Height (A): 0.051
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.004

Replicate 2 Time: 07:19
Peak Area (A-s): 0.024 Peak Height (A): 0.049
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.004

Mean Conc (mg/L): 0.004 SD: 0.0002 RSD(%): 4.44

Standard number 1 applied. [0.005]
Correlation coefficient: 1.00000 Slope: 4.8311 Int: 0.000

~~~~~~

Pb ID: Standard 2 Seq. No.: 00003 A/S Pos.: 39 Date: 06/24/94

Replicate 1 Time: 07:22
Peak Area (A-s): 0.246 Peak Height (A): 0.420
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.102
Blank Corrected Pk Area (A-s): 0.247
Concentration (mg/L): 0.051

Replicate 2 Time: 07:24
Peak Area (A-s): 0.246 Peak Height (A): 0.417
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.106
Blank Corrected Pk Area (A-s): 0.246
Concentration (mg/L): 0.051

Mean Conc (mg/L): 0.051 SD: 0.0001 RSD(%): 0.18

Standard number 2 applied. [0.050]
Correlation coefficient: 1.00000 Slope: 4.9392 Int: -0.000

~~~~~~

Pb ID: Standard 3 Seq. No.: 00004 A/S Pos.: 40 Date: 06/24/94

Replicate 1 Time: 07:26
Peak Area (A-s): 0.462 Peak Height (A): 0.730
Background Pk Area (A-s): 0.131 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.463
Concentration (mg/L): 0.094

Replicate 2 Time: 07:29
Peak Area (A-s): 0.445 Peak Height (A): 0.696
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.262
Blank Corrected Pk Area (A-s): 0.445
Concentration (mg/L): 0.090
~~~~~~

Mean Conc (mg/L): 0.092 SD: 0.0025 RSD(%): 2.69

Standard number 3 applied. [0.100]
Correlation coefficient: 0.99899 Slope: 4.5667 Int: 0.004

~~~~~~

Pb ID: ICVF Seq. No.: 00005 A/S Pos.: 1 Date: 06/24/94

Replicate 1 Time: 07:31
Peak Area (A-s): 0.333 Peak Height (A): 0.570
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.334
Concentration (mg/L): 0.072

Replicate 2 Time: 07:33
Peak Area (A-s): 0.328 Peak Height (A): 0.561
Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.328
Concentration (mg/L): 0.071

Mean Conc (mg/L): 0.072 SD: 0.0008 RSD(%): 1.18

~~~~~~

Pb ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 06/24/94

Replicate 1 Time: 07:36
Peak Area (A-s): -0.002 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 07:38
Peak Area (A-s): -0.003 Peak Height (A): 0.002
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 SD: 0.0002 RSD(%): 14.02

~~~~~~

Pb ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 06/24/94

Replicate 1 Time: 07:40
Peak Area (A-s): 0.011 Peak Height (A): 0.028
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.012
Concentration (mg/L): 0.002

Replicate 2 Time: 07:43
Peak Area (A-s): 0.012 Peak Height (A): 0.028
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.013
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.002 SD: 0.0002 RSD(%): 9.46

~~~~~~

Pb ID: CCVF Seq. No.: 00008 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 07:45
Peak Area (A-s): 0.324 Peak Height (A): 0.560
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.151
Blank Corrected Pk Area (A-s): 0.324
Concentration (mg/L): 0.070

Replicate 2 Time: 07:48
Peak Area (A-s): 0.328 Peak Height (A): 0.570
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.329
Concentration (mg/L): 0.071

Mean Conc (mg/L): 0.071 SD: 0.0008 RSD(%): 1.07

~~~~~~

Pb ID: CCB Seq. No.: 00009 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 07:50
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.001

Replicate 2 Time: 07:52
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0001 RSD(%): 12.66

~~~~~~

Pb ID: 0802 Seq. No.: 00010 A/S Pos.: 6 Date: 06/24/94

Replicate 1 Time: 07:55
Peak Area (A-s): -0.003 Peak Height (A): 0.002
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.001

Replicate 2 Time: 07:57
Peak Area (A-s): -0.001 Peak Height (A): 0.002
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0002 RSD(%): 17.59

~~~~~~

Pb ID: 0802 Seq. No.: 00011 A/S Pos.: 6 Date: 06/24/94

Replicate 1 Time: 08:00
Peak Area (A-s): 0.095 Peak Height (A): 0.176
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.096
Concentration (mg/L): 0.020

Replicate 2 Time: 08:02
Peak Area (A-s): 0.096 Peak Height (A): 0.174
~~~~~~

Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.097
Concentration (mg/L): 0.020

Mean Conc (mg/L): 0.020 SD: 0.0002 RSD(%): 1.07

Recovery is 107.2%

~~~~~~

Pb ID: 0804 Seq. No.: 00012 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 08:05
Peak Area (A-s): 0.233 Peak Height (A): 0.397
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.234
Concentration (mg/L): 0.050

Replicate 2 Time: 08:07
Peak Area (A-s): 0.236 Peak Height (A): 0.398
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.236
Concentration (mg/L): 0.051

Mean Conc (mg/L): 0.051 SD: 0.0004 RSD(%): 0.80

~~~~~~

Pb ID: 0804 Seq. No.: 00013 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 08:10
Peak Area (A-s): 0.311 Peak Height (A): 0.497
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.311
Concentration (mg/L): 0.067

Replicate 2 Time: 08:13
Peak Area (A-s): 0.317 Peak Height (A): 0.507
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.317
Concentration (mg/L): 0.069

Mean Conc (mg/L): 0.068 SD: 0.0010 RSD(%): 1.41

Recovery is 86.5%

~~~~~~

Pb ID: 0786 Seq. No.: 00014 A/S Pos.: 8 Date: 06/24/94

Replicate 1 Time: 08:15
Peak Area (A-s): 0.025 Peak Height (A): 0.057
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.005

Replicate 2 Time: 08:17
Peak Area (A-s): 0.021 Peak Height (A): 0.053
Background Pk Area (A-s): 0.245 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.022
Concentration (mg/L): 0.004
~~~~~~

Mean Conc (mg/L): 0.004 SD: 0.0006 RSD(%): 13.06

~~~~~~

Pb ID: 0786 Seq. No.: 00015 A/S Pos.: 8 Date: 06/24/94

Replicate 1 Time: 08:20
Peak Area (A-s): 0.116 Peak Height (A): 0.227
Background Pk Area (A-s): 0.262 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.024

Replicate 2 Time: 08:23
Peak Area (A-s): 0.120 Peak Height (A): 0.248
Background Pk Area (A-s): 0.262 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.120
Concentration (mg/L): 0.025

Mean Conc (mg/L): 0.025 SD: 0.0006 RSD(%): 2.45

Recovery is 103.2%

~~~~~~

Pb ID: 1035 Seq. No.: 00016 A/S Pos.: 9 Date: 06/24/94

Replicate 1 Time: 08:26
Peak Area (A-s): -0.003 Peak Height (A): 0.002
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.002

Replicate 2 Time: 08:28
Peak Area (A-s): -0.004 Peak Height (A): 0.002
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0001 RSD(%): 3.96

~~~~~~

Pb ID: 1035 Seq. No.: 00017 A/S Pos.: 9 Date: 06/24/94

Replicate 1 Time: 08:31
Peak Area (A-s): 0.095 Peak Height (A): 0.179
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.095
Concentration (mg/L): 0.020

Replicate 2 Time: 08:33
Peak Area (A-s): 0.094 Peak Height (A): 0.175
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.095
Concentration (mg/L): 0.020

Mean Conc (mg/L): 0.020 SD: 0.0001 RSD(%): 0.44

Recovery is 107.1%

~~~~~~

Pb ID: 1036(1:20) Seq. No.: 00018 A/S Pos.: 10 Date: 06/24/94

Replicate 1 Time: 08:36
Peak Area (A-s): 0.115 Peak Height (A): 0.212
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.115
Concentration (mg/L): 0.024

Replicate 2 Time: 08:38
Peak Area (A-s): 0.117 Peak Height (A): 0.210
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.025

Mean Conc (mg/L): 0.025 SD: 0.0003 RSD(%): 1.23

~~~~~~

Pb ID: 1036(1:20) Seq. No.: 00019 A/S Pos.: 10 Date: 06/24/94

Replicate 1 Time: 08:41
Peak Area (A-s): 0.208 Peak Height (A): 0.353
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.209
Concentration (mg/L): 0.045

Replicate 2 Time: 08:44
Peak Area (A-s): 0.207 Peak Height (A): 0.342
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.208
Concentration (mg/L): 0.045

Mean Conc (mg/L): 0.045 SD: 0.0002 RSD(%): 0.40

Recovery is 100.5%

~~~~~~

Pb ID: CCVF Seq. No.: 00020 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 08:46
Peak Area (A-s): 0.323 Peak Height (A): 0.548
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.324
Concentration (mg/L): 0.070

Replicate 2 Time: 08:49
Peak Area (A-s): 0.322 Peak Height (A): 0.551
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.322
Concentration (mg/L): 0.070

Mean Conc (mg/L): 0.070 SD: 0.0002 RSD(%): 0.30

Check sample is within range 0.063 - 0.077

~~~~~~

Pb ID: CCB Seq. No.: 00021 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 08:51
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.008
~~~~~~

Concentration (mg/L): 0.001

Replicate 2 Time: 08:53
Peak Area (A-s): 0.008 Peak Height (A): 0.021
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0000 RSD(%): 3.00

Check sample is within range -.003 - 0.003

~~~~~~

Pb ID: 1014 Seq. No.: 00022 A/S Pos.: 11 Date: 06/24/94

Replicate 1 Time: 08:56
Peak Area (A-s): 0.194 Peak Height (A): 0.381
Background Pk Area (A-s): 0.317 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): 0.042

Replicate 2 Time: 08:58
Peak Area (A-s): 0.189 Peak Height (A): 0.373
Background Pk Area (A-s): 0.305 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.190
Concentration (mg/L): 0.041

Mean Conc (mg/L): 0.041 SD: 0.0007 RSD(%): 1.73

~~~~~~

Pb ID: 1014 Seq. No.: 00023 A/S Pos.: 11 Date: 06/24/94

Replicate 1 Time: 09:01
Peak Area (A-s): 0.266 Peak Height (A): 0.510
Background Pk Area (A-s): 0.328 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.266
Concentration (mg/L): 0.057

Replicate 2 Time: 09:03
Peak Area (A-s): 0.271 Peak Height (A): 0.519
Background Pk Area (A-s): 0.339 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.271
Concentration (mg/L): 0.058

Mean Conc (mg/L): 0.058 SD: 0.0007 RSD(%): 1.27

Recovery is 84.3%

~~~~~~

Pb ID: 1015 Seq. No.: 00024 A/S Pos.: 12 Date: 06/24/94

Replicate 1 Time: 09:06
Peak Area (A-s): 0.119 Peak Height (A): 0.251
Background Pk Area (A-s): 0.532 Background Pk Height (A): 0.169
Blank Corrected Pk Area (A-s): 0.120
Concentration (mg/L): 0.025

Replicate 2 Time: 09:08
Peak Area (A-s): 0.117 Peak Height (A): 0.247
~~~~~~

Background Pk Area (A-s): 0.536 Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.025

Mean Conc (mg/L): 0.025 SD: 0.0004 RSD(%): 1.57

~~~~~~

Pb ID: 1015 Seq. No.: 00025 A/S Pos.: 12 Date: 06/24/94

Replicate 1 Time: 09:11
Peak Area (A-s): 0.205 Peak Height (A): 0.409
Background Pk Area (A-s): 0.556 Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): 0.206
Concentration (mg/L): 0.044

Replicate 2 Time: 09:14
Peak Area (A-s): 0.203 Peak Height (A): 0.410
Background Pk Area (A-s): 0.567 Background Pk Height (A): 0.172
Blank Corrected Pk Area (A-s): 0.203
Concentration (mg/L): 0.044

Mean Conc (mg/L): 0.044 SD: 0.0004 RSD(%): 0.94

Recovery is 94.4%

~~~~~~

Pb ID: 1016 Seq. No.: 00026 A/S Pos.: 13 Date: 06/24/94

Replicate 1 Time: 09:16
Peak Area (A-s): 0.184 Peak Height (A): 0.389
Background Pk Area (A-s): 0.579 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): 0.184
Concentration (mg/L): 0.039

Replicate 2 Time: 09:19
Peak Area (A-s): 0.183 Peak Height (A): 0.386
Background Pk Area (A-s): 0.573 Background Pk Height (A): 0.174
Blank Corrected Pk Area (A-s): 0.184
Concentration (mg/L): 0.039

Mean Conc (mg/L): 0.039 SD: 0.0000 RSD(%): 0.12

~~~~~~

Pb ID: 1016 Seq. No.: 00027 A/S Pos.: 13 Date: 06/24/94

Replicate 1 Time: 09:21
Peak Area (A-s): 0.265 Peak Height (A): 0.532
Background Pk Area (A-s): 0.588 Background Pk Height (A): 0.173
Blank Corrected Pk Area (A-s): 0.265
Concentration (mg/L): 0.057

Replicate 2 Time: 09:24
Peak Area (A-s): 0.265 Peak Height (A): 0.532
Background Pk Area (A-s): 0.589 Background Pk Height (A): 0.174
Blank Corrected Pk Area (A-s): 0.266
Concentration (mg/L): 0.057

Mean Conc (mg/L): 0.057 SD: 0.0000 RSD(%): 0.07
~~~~~~

Recovery is 89.0%

~~~~~~

Pb ID: 1017 Seq. No.: 00028 A/S Pos.: 14 Date: 06/24/94

Replicate 1 Time: 09:26
Peak Area (A-s): 0.220 Peak Height (A): 0.446
Background Pk Area (A-s): 0.434 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.221
Concentration (mg/L): 0.047

Replicate 2 Time: 09:29
Peak Area (A-s): 0.222 Peak Height (A): 0.444
Background Pk Area (A-s): 0.420 Background Pk Height (A): 0.134
Blank Corrected Pk Area (A-s): 0.222
Concentration (mg/L): 0.048

Mean Conc (mg/L): 0.048 SD: 0.0002 RSD(%): 0.45

~~~~~~

Pb ID: 1017 Seq. No.: 00029 A/S Pos.: 14 Date: 06/24/94

Replicate 1 Time: 09:31
Peak Area (A-s): 0.295 Peak Height (A): 0.568
Background Pk Area (A-s): 0.422 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.296
Concentration (mg/L): 0.064

Replicate 2 Time: 09:34
Peak Area (A-s): 0.299 Peak Height (A): 0.572
Background Pk Area (A-s): 0.426 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.299
Concentration (mg/L): 0.065

Mean Conc (mg/L): 0.064 SD: 0.0006 RSD(%): 0.89

Recovery is 83.4%

~~~~~~

Pb ID: 1018 Seq. No.: 00030 A/S Pos.: 15 Date: 06/24/94

Replicate 1 Time: 09:36
Peak Area (A-s): 0.211 Peak Height (A): 0.430
Background Pk Area (A-s): 0.366 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.212
Concentration (mg/L): 0.045

Replicate 2 Time: 09:39
Peak Area (A-s): 0.213 Peak Height (A): 0.429
Background Pk Area (A-s): 0.368 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): 0.214
Concentration (mg/L): 0.046

Mean Conc (mg/L): 0.046 SD: 0.0003 RSD(%): 0.72

~~~~~~

Pb ID: 1018 Seq. No.: 00031 A/S Pos.: 15 Date: 06/24/94

Replicate 1 Time: 09:41

Peak Area (A-s): 0.289 Peak Height (A): 0.557
Background Pk Area (A-s): 0.368 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.289
Concentration (mg/L): 0.062

Replicate 2 Time: 09:44
Peak Area (A-s): 0.288 Peak Height (A): 0.553
Background Pk Area (A-s): 0.378 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.289
Concentration (mg/L): 0.062

Mean Conc (mg/L): 0.062 SD: 0.0001 RSD(%): 0.19

Recovery is 83.5%

~~~~~~

Pb ID: CCVF Seq. No.: 00032 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 09:46
Peak Area (A-s): 0.323 Peak Height (A): 0.628
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): 0.323
Concentration (mg/L): 0.070

Replicate 2 Time: 09:48
Peak Area (A-s): 0.324 Peak Height (A): 0.610
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.166
Blank Corrected Pk Area (A-s): 0.325
Concentration (mg/L): 0.070

Mean Conc (mg/L): 0.070 SD: 0.0003 RSD(%): 0.42

Check sample is within range 0.063 - 0.077

~~~~~~

Pb ID: CCB Seq. No.: 00033 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 09:51
Peak Area (A-s): 0.008 Peak Height (A): 0.023
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Replicate 2 Time: 09:53
Peak Area (A-s): 0.007 Peak Height (A): 0.022
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0002 RSD(%): 18.28

Check sample is within range -.003 - 0.003

~~~~~~

Pb ID: 1019 Seq. No.: 00034 A/S Pos.: 16 Date: 06/24/94

Replicate 1 Time: 09:56
Peak Area (A-s): 0.136 Peak Height (A): 0.294
Background Pk Area (A-s): 0.652 Background Pk Height (A): 0.206
~~~~~~

Blank Corrected Pk Area (A-s): 0.136
Concentration (mg/L): 0.029

Replicate 2 Time: 09:58
Peak Area (A-s): 0.133 Peak Height (A): 0.294
Background Pk Area (A-s): 0.646 Background Pk Height (A): 0.206
Blank Corrected Pk Area (A-s): 0.134
Concentration (mg/L): 0.028

Mean Conc (mg/L): 0.029 SD: 0.0004 RSD(%): 1.49

~~~~~~

Pb ID: 1019 Seq. No.: 00035 A/S Pos.: 16 Date: 06/24/94

Replicate 1 Time: 10:01
Peak Area (A-s): 0.216 Peak Height (A): 0.441
Background Pk Area (A-s): 0.661 Background Pk Height (A): 0.200
Blank Corrected Pk Area (A-s): 0.217
Concentration (mg/L): 0.046

Replicate 2 Time: 10:03
Peak Area (A-s): 0.213 Peak Height (A): 0.444
Background Pk Area (A-s): 0.656 Background Pk Height (A): 0.199
Blank Corrected Pk Area (A-s): 0.213
Concentration (mg/L): 0.046

Mean Conc (mg/L): 0.046 SD: 0.0005 RSD(%): 1.10

Recovery is 87.6%

~~~~~~

Pb ID: 1020 Seq. No.: 00036 A/S Pos.: 17 Date: 06/24/94

Replicate 1 Time: 10:06
Peak Area (A-s): 0.135 Peak Height (A): 0.291
Background Pk Area (A-s): 0.490 Background Pk Height (A): 0.159
Blank Corrected Pk Area (A-s): 0.135
Concentration (mg/L): 0.029

Replicate 2 Time: 10:08
Peak Area (A-s): 0.136 Peak Height (A): 0.293
Background Pk Area (A-s): 0.495 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.137
Concentration (mg/L): 0.029

Mean Conc (mg/L): 0.029 SD: 0.0002 RSD(%): 0.84

~~~~~~

Pb ID: 1020 Seq. No.: 00037 A/S Pos.: 17 Date: 06/24/94

Replicate 1 Time: 10:11
Peak Area (A-s): 0.220 Peak Height (A): 0.453
Background Pk Area (A-s): 0.511 Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): 0.220
Concentration (mg/L): 0.047

Replicate 2 Time: 10:13
Peak Area (A-s): 0.220 Peak Height (A): 0.445
Background Pk Area (A-s): 0.504 Background Pk Height (A): 0.155
~~~~~~

Blank Corrected Pk Area (A-s): 0.220
Concentration (mg/L): 0.047

Mean Conc (mg/L): 0.047 SD: 0.0000 RSD(%): 0.04

Recovery is 92.4%

~~~~~~

Pb ID: 1021 Seq. No.: 00038 A/S Pos.: 18 Date: 06/24/94

Replicate 1 Time: 10:15
Peak Area (A-s): 0.171 Peak Height (A): 0.340
Background Pk Area (A-s): 0.297 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.171
Concentration (mg/L): 0.037

Replicate 2 Time: 10:18
Peak Area (A-s): 0.170 Peak Height (A): 0.339
Background Pk Area (A-s): 0.269 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.170
Concentration (mg/L): 0.036

Mean Conc (mg/L): 0.036 SD: 0.0001 RSD(%): 0.41

~~~~~~

Pb ID: 1021 Seq. No.: 00039 A/S Pos.: 18 Date: 06/24/94

Replicate 1 Time: 10:20
Peak Area (A-s): 0.252 Peak Height (A): 0.480
Background Pk Area (A-s): 0.290 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.252
Concentration (mg/L): 0.054

Replicate 2 Time: 10:23
Peak Area (A-s): 0.255 Peak Height (A): 0.482
Background Pk Area (A-s): 0.293 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): 0.256
Concentration (mg/L): 0.055

Mean Conc (mg/L): 0.055 SD: 0.0006 RSD(%): 1.08

Recovery is 91.0%

~~~~~~

Pb ID: 1022 Seq. No.: 00040 A/S Pos.: 19 Date: 06/24/94

Replicate 1 Time: 10:25
Peak Area (A-s): 0.190 Peak Height (A): 0.385
Background Pk Area (A-s): 0.363 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.190
Concentration (mg/L): 0.041

Replicate 2 Time: 10:28
Peak Area (A-s): 0.188 Peak Height (A): 0.376
Background Pk Area (A-s): 0.360 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.189
Concentration (mg/L): 0.040

Mean Conc (mg/L): 0.041 SD: 0.0003 RSD(%): 0.65
~~~~~~

Pb ID: 1022 Seq. No.: 00041 A/S Pos.: 19 Date: 06/24/94

Replicate 1 Time: 10:30
Peak Area (A-s): 0.272 Peak Height (A): 0.526
Background Pk Area (A-s): 0.365 Background Pk Height (A): 0.134
Blank Corrected Pk Area (A-s): 0.272
Concentration (mg/L): 0.059

Replicate 2 Time: 10:33
Peak Area (A-s): 0.273 Peak Height (A): 0.533
Background Pk Area (A-s): 0.369 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.274
Concentration (mg/L): 0.059

Mean Conc (mg/L): 0.059 SD: 0.0003 RSD(%): 0.51

Recovery is 91.6%

Pb ID: 1023 Seq. No.: 00042 A/S Pos.: 20 Date: 06/24/94

Replicate 1 Time: 10:35
Peak Area (A-s): 0.201 Peak Height (A): 0.411
Background Pk Area (A-s): 0.392 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): 0.202
Concentration (mg/L): 0.043

Replicate 2 Time: 10:37
Peak Area (A-s): 0.200 Peak Height (A): 0.404
Background Pk Area (A-s): 0.387 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.201
Concentration (mg/L): 0.043

Mean Conc (mg/L): 0.043 SD: 0.0001 RSD(%): 0.21

Pb ID: 1023 Seq. No.: 00043 A/S Pos.: 20 Date: 06/24/94

Replicate 1 Time: 10:40
Peak Area (A-s): 0.279 Peak Height (A): 0.546
Background Pk Area (A-s): 0.397 Background Pk Height (A): 0.141
Blank Corrected Pk Area (A-s): 0.280
Concentration (mg/L): 0.060

Replicate 2 Time: 10:43
Peak Area (A-s): 0.279 Peak Height (A): 0.540
Background Pk Area (A-s): 0.398 Background Pk Height (A): 0.139
Blank Corrected Pk Area (A-s): 0.280
Concentration (mg/L): 0.060

Mean Conc (mg/L): 0.060 SD: 0.0000 RSD(%): 0.01

Recovery is 86.2%

Pb ID: CCVF Seq. No.: 00044 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 10:45

Peak Area (A-s): 0.328 Peak Height (A): 0.642
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.170
Blank Corrected Pk Area (A-s): 0.329
Concentration (mg/L): 0.071

Replicate 2 Time: 10:47
Peak Area (A-s): 0.326 Peak Height (A): 0.608
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): 0.326
Concentration (mg/L): 0.070

Mean Conc (mg/L): 0.071 SD: 0.0005 RSD(%): 0.64

Check sample is within range 0.063 - 0.077

~~~~~~

Pb ID: CCB Seq. No.: 00045 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 10:50
Peak Area (A-s): 0.009 Peak Height (A): 0.025
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Replicate 2 Time: 10:52
Peak Area (A-s): 0.007 Peak Height (A): 0.024
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0002 RSD(%): 21.33

Check sample is within range -.003 - 0.003

~~~~~~

Pb ID: 1024 Seq. No.: 00046 A/S Pos.: 21 Date: 06/24/94

Replicate 1 Time: 10:54
Peak Area (A-s): 0.201 Peak Height (A): 0.407
Background Pk Area (A-s): 0.434 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.201
Concentration (mg/L): 0.043

Replicate 2 Time: 10:57
Peak Area (A-s): 0.202 Peak Height (A): 0.411
Background Pk Area (A-s): 0.436 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.203
Concentration (mg/L): 0.043

Mean Conc (mg/L): 0.043 SD: 0.0003 RSD(%): 0.63

~~~~~~

Pb ID: 1024 Seq. No.: 00047 A/S Pos.: 21 Date: 06/24/94

Replicate 1 Time: 10:59
Peak Area (A-s): 0.281 Peak Height (A): 0.532
Background Pk Area (A-s): 0.453 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.281
Concentration (mg/L): 0.061
~~~~~~

Replicate 2 Time: 11:02
Peak Area (A-s): 0.284 Peak Height (A): 0.546
Background Pk Area (A-s): 0.460 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.284
Concentration (mg/L): 0.061

Mean Conc (mg/L): 0.061 SD: 0.0005 RSD(%): 0.80

Recovery is 88.5%

~~~~~~

Pb ID: 1025 Seq. No.: 00048 A/S Pos.: 22 Date: 06/24/94

Replicate 1 Time: 11:04
Peak Area (A-s): 0.201 Peak Height (A): 0.407
Background Pk Area (A-s): 0.458 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.202
Concentration (mg/L): 0.043

Replicate 2 Time: 11:07
Peak Area (A-s): 0.194 Peak Height (A): 0.402
Background Pk Area (A-s): 0.450 Background Pk Height (A): 0.145
Blank Corrected Pk Area (A-s): 0.195
Concentration (mg/L): 0.042

Mean Conc (mg/L): 0.042 SD: 0.0011 RSD(%): 2.56

~~~~~~

Pb ID: 1025 Seq. No.: 00049 A/S Pos.: 22 Date: 06/24/94

Replicate 1 Time: 11:09
Peak Area (A-s): 0.280 Peak Height (A): 0.536
Background Pk Area (A-s): 0.476 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.280
Concentration (mg/L): 0.060

Replicate 2 Time: 11:12
Peak Area (A-s): 0.282 Peak Height (A): 0.537
Background Pk Area (A-s): 0.478 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.283
Concentration (mg/L): 0.061

Mean Conc (mg/L): 0.061 SD: 0.0004 RSD(%): 0.74

Recovery is 91.3%

~~~~~~

Pb ID: 1026 Seq. No.: 00050 A/S Pos.: 23 Date: 06/24/94

Replicate 1 Time: 11:14
Peak Area (A-s): 0.193 Peak Height (A): 0.393
Background Pk Area (A-s): 0.432 Background Pk Height (A): 0.141
Blank Corrected Pk Area (A-s): 0.194
Concentration (mg/L): 0.041

Replicate 2 Time: 11:17
Peak Area (A-s): 0.189 Peak Height (A): 0.384
Background Pk Area (A-s): 0.425 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.189
~~~~~~

Concentration (mg/L): 0.040

Mean Conc (mg/L): 0.041 SD: 0.0007 RSD(%): 1.71

Pb ID: 1026 Seq. No.: 00051 A/S Pos.: 23 Date: 06/24/94

Replicate 1
Time: 11:19
Peak Area (A-s): 0.262
Peak Height (A): 0.501
Background Pk Area (A-s): 0.450
Background Pk Height (A): 0.166
Blank Corrected Pk Area (A-s): 0.263
Concentration (mg/L): 0.057

Replicate 2
Time: 11:22
Peak Area (A-s): 0.269
Peak Height (A): 0.516
Background Pk Area (A-s): 0.450
Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.269
Concentration (mg/L): 0.058

Mean Conc (mg/L): 0.057 SD: 0.0010 RSD(%): 1.83

Recovery is 81.6%

Pb ID: 1027 Seq. No.: 00052 A/S Pos.: 24 Date: 06/24/94

Replicate 1
Time: 11:24
Peak Area (A-s): 0.252
Peak Height (A): 0.496
Background Pk Area (A-s): 0.422
Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): 0.253
Concentration (mg/L): 0.054

Replicate 2
Time: 11:27
Peak Area (A-s): 0.250
Peak Height (A): 0.491
Background Pk Area (A-s): 0.420
Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): 0.250
Concentration (mg/L): 0.054

Mean Conc (mg/L): 0.054 SD: 0.0003 RSD(%): 0.60

Pb ID: 1027 Seq. No.: 00053 A/S Pos.: 24 Date: 06/24/94

Replicate 1
Time: 11:29
Peak Area (A-s): 0.328
Peak Height (A): 0.618
Background Pk Area (A-s): 0.443
Background Pk Height (A): 0.167
Blank Corrected Pk Area (A-s): 0.329
Concentration (mg/L): 0.071

Replicate 2
Time: 11:32
Peak Area (A-s): 0.331
Peak Height (A): 0.622
Background Pk Area (A-s): 0.441
Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.331
Concentration (mg/L): 0.072

Mean Conc (mg/L): 0.071 SD: 0.0004 RSD(%): 0.56

Recovery is 86.0%

~~~~~~

Pb ID: 1028 Seq. No.: 00054 A/S Pos.: 25 Date: 06/24/94

Replicate 1 Time: 11:34
Peak Area (A-s): 0.311 Peak Height (A): 0.595
Background Pk Area (A-s): 0.451 Background Pk Height (A): 0.161
Blank Corrected Pk Area (A-s): 0.311
Concentration (mg/L): 0.067

Replicate 2 Time: 11:37
Peak Area (A-s): 0.310 Peak Height (A): 0.600
Background Pk Area (A-s): 0.451 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.310
Concentration (mg/L): 0.067

Mean Conc (mg/L): 0.067 SD: 0.0001 RSD(%): 0.21

~~~~~~

Pb ID: 1028 Seq. No.: 00055 A/S Pos.: 25 Date: 06/24/94

Replicate 1 Time: 11:39
Peak Area (A-s): 0.381 Peak Height (A): 0.691
Background Pk Area (A-s): 0.463 Background Pk Height (A): 0.191
Blank Corrected Pk Area (A-s): 0.382
Concentration (mg/L): 0.083

Replicate 2 Time: 11:42
Peak Area (A-s): 0.381 Peak Height (A): 0.689
Background Pk Area (A-s): 0.466 Background Pk Height (A): 0.200
Blank Corrected Pk Area (A-s): 0.382
Concentration (mg/L): 0.083

Mean Conc (mg/L): 0.083 SD: 0.0000 RSD(%): 0.02

Recovery is 77.8%

~~~~~~

Pb ID: CCVF Seq. No.: 00056 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 11:44
Peak Area (A-s): 0.326 Peak Height (A): 0.640
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.326
Concentration (mg/L): 0.071

Replicate 2 Time: 11:47
Peak Area (A-s): 0.329 Peak Height (A): 0.625
Background Pk Area (A-s): 0.083 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.330
Concentration (mg/L): 0.071

Mean Conc (mg/L): 0.071 SD: 0.0005 RSD(%): 0.71

Check sample is within range 0.063 - 0.077

~~~~~~

Pb ID: CCB Seq. No.: 00057 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 11:49

Peak Area (A-s): 0.010 Peak Height (A): 0.025
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.001

Replicate 2 Time: 11:51
Peak Area (A-s): 0.008 Peak Height (A): 0.024
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0002 RSD(%): 15.46

Check sample is within range -.003 - 0.003

~~~~~~

Pb ID: 1029 Seq. No.: 00058 A/S Pos.: 26 Date: 06/24/94

Replicate 1 Time: 11:54
Peak Area (A-s): 0.158 Peak Height (A): 0.327
Background Pk Area (A-s): 0.449 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.159
Concentration (mg/L): 0.034

Replicate 2 Time: 11:56
Peak Area (A-s): 0.155 Peak Height (A): 0.327
Background Pk Area (A-s): 0.455 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.155
Concentration (mg/L): 0.033

Mean Conc (mg/L): 0.033 SD: 0.0005 RSD(%): 1.52

~~~~~~

Pb ID: 1029 Seq. No.: 00059 A/S Pos.: 26 Date: 06/24/94

Replicate 1 Time: 11:59
Peak Area (A-s): 0.240 Peak Height (A): 0.472
Background Pk Area (A-s): 0.475 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.241
Concentration (mg/L): 0.052

Replicate 2 Time: 12:02
Peak Area (A-s): 0.236 Peak Height (A): 0.473
Background Pk Area (A-s): 0.472 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.237
Concentration (mg/L): 0.051

Mean Conc (mg/L): 0.051 SD: 0.0006 RSD(%): 1.14

Recovery is 89.5%

~~~~~~

Pb ID: 1030 Seq. No.: 00060 A/S Pos.: 27 Date: 06/24/94

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 12:04
Peak Area (A-s): 0.595 Peak Height (A): 0.956
Background Pk Area (A-s): 0.338 Background Pk Height (A): 0.328
Blank Corrected Pk Area (A-s): 0.596
~~~~~~

Concentration (mg/L): 0.129

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:07
Peak Area (A-s): 0.601 Peak Height (A): 0.945
Background Pk Area (A-s): 0.320 Background Pk Height (A): 0.323
Blank Corrected Pk Area (A-s): 0.601
Concentration (mg/L): 0.131

Sample abs. is greater than that of the largest standard.
Mean Conc (mg/L): 0.130 SD: 0.0009 RSD(%): 0.66

~~~~~~

Pb ID: 1030 Seq. No.: 00061 A/S Pos.: 27 Date: 06/24/94

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 12:09
Peak Area (A-s): 0.618 Peak Height (A): 0.937
Background Pk Area (A-s): 0.353 Background Pk Height (A): 0.404
Blank Corrected Pk Area (A-s): 0.618
Concentration (mg/L): 0.134

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 12:12
Peak Area (A-s): 0.648 Peak Height (A): 0.997
Background Pk Area (A-s): 0.334 Background Pk Height (A): 0.344
Blank Corrected Pk Area (A-s): 0.648
Concentration (mg/L): 0.141

Sample abs. is greater than that of the largest standard.
Mean Conc (mg/L): 0.138 SD: 0.0047 RSD(%): 3.39

Recovery is 38.4%

~~~~~~

Pb ID: 1031 Seq. No.: 00062 A/S Pos.: 28 Date: 06/24/94

Replicate 1 Time: 12:14
Peak Area (A-s): 0.241 Peak Height (A): 0.447
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): 0.242
Concentration (mg/L): 0.052

Replicate 2 Time: 12:17
Peak Area (A-s): 0.240 Peak Height (A): 0.443
Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.241
Concentration (mg/L): 0.052

Mean Conc (mg/L): 0.052 SD: 0.0001 RSD(%): 0.19

~~~~~~

Pb ID: 1031 Seq. No.: 00063 A/S Pos.: 28 Date: 06/24/94

Replicate 1 Time: 12:19
Peak Area (A-s): 0.313 Peak Height (A): 0.559
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.313
Concentration (mg/L): 0.068
~~~~~~

Replicate 2 Time: 12:22
Peak Area (A-s): 0.316 Peak Height (A): 0.555
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.316
Concentration (mg/L): 0.068

Mean Conc (mg/L): 0.068 SD: 0.0005 RSD(%): 0.71

Recovery is 80.6%

~~~~~~

Pb ID: 1032 Seq. No.: 00064 A/S Pos.: 29 Date: 06/24/94

Replicate 1 Time: 12:25
Peak Area (A-s): 0.210 Peak Height (A): 0.422
Background Pk Area (A-s): 0.450 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.210
Concentration (mg/L): 0.045

Replicate 2 Time: 12:27
Peak Area (A-s): 0.208 Peak Height (A): 0.413
Background Pk Area (A-s): 0.451 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.208
Concentration (mg/L): 0.045

Mean Conc (mg/L): 0.045 SD: 0.0003 RSD(%): 0.72

~~~~~~

Pb ID: 1032 Seq. No.: 00065 A/S Pos.: 29 Date: 06/24/94

Replicate 1 Time: 12:30
Peak Area (A-s): 0.285 Peak Height (A): 0.541
Background Pk Area (A-s): 0.468 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.285
Concentration (mg/L): 0.062

Replicate 2 Time: 12:32
Peak Area (A-s): 0.283 Peak Height (A): 0.549
Background Pk Area (A-s): 0.469 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.284
Concentration (mg/L): 0.061

Mean Conc (mg/L): 0.061 SD: 0.0002 RSD(%): 0.39

Recovery is 82.3%

~~~~~~

Pb ID: CCVF Seq. No.: 00066 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 12:35
Peak Area (A-s): 0.328 Peak Height (A): 0.655
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.173
Blank Corrected Pk Area (A-s): 0.329
Concentration (mg/L): 0.071

Replicate 2 Time: 12:37
Peak Area (A-s): 0.338 Peak Height (A): 0.647
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.339
~~~~~~

Concentration (mg/L): 0.073

Mean Conc (mg/L): 0.072 SD: 0.0016 RSD(%): 2.17

Check sample is within range 0.063 - 0.077

Pb ID: CCB Seq. No.: 00067 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 12:39
Peak Area (A-s): 0.009 Peak Height (A): 0.026
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.001

Replicate 2 Time: 12:42
Peak Area (A-s): 0.010 Peak Height (A): 0.025
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0001 RSD(%): 4.72

Check sample is within range -.003 - 0.003

Pb ID: CCVF Seq. No.: 00068 A/S Pos.: 4 Date: 06/24/94

Replicate 1 Time: 12:48
Peak Area (A-s): 0.342 Peak Height (A): 0.590
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): 0.343
Concentration (mg/L): 0.074

Replicate 2 Time: 12:51
Peak Area (A-s): 0.332 Peak Height (A): 0.581
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.333
Concentration (mg/L): 0.072

Mean Conc (mg/L): 0.073 SD: 0.0015 RSD(%): 2.05

Check sample is within range 0.063 - 0.077

Pb ID: CCB Seq. No.: 00069 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 12:53
Peak Area (A-s): 0.011 Peak Height (A): 0.023
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.012
Concentration (mg/L): 0.002

Replicate 2 Time: 12:55
Peak Area (A-s): 0.009 Peak Height (A): 0.023
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0003 RSD(%): 23.37

Check sample is within range -.003 - 0.003

Pb ID: 1030(1:5) Seq. No.: 00070 A/S Pos.: 31 Date: 06/24/94

Replicate 1
Time: 12:58
Peak Area (A-s): 0.148
Peak Height (A): 0.276
Background Pk Area (A-s): 0.046
Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.148
Concentration (mg/L): 0.032

Replicate 2
Time: 13:00
Peak Area (A-s): 0.145
Peak Height (A): 0.264
Background Pk Area (A-s): 0.048
Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.146
Concentration (mg/L): 0.031

Mean Conc (mg/L): 0.031 SD: 0.0004 RSD(%): 1.25

Pb ID: 1030(1:5) Seq. No.: 00071 A/S Pos.: 31 Date: 06/24/94

Replicate 1
Time: 13:03
Peak Area (A-s): 0.232
Peak Height (A): 0.407
Background Pk Area (A-s): 0.076
Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.232
Concentration (mg/L): 0.050

Replicate 2
Time: 13:05
Peak Area (A-s): 0.237
Peak Height (A): 0.414
Background Pk Area (A-s): 0.066
Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.237
Concentration (mg/L): 0.051

Mean Conc (mg/L): 0.050 SD: 0.0008 RSD(%): 1.64

Recovery is 96.2%

Pb ID: CCVF Seq. No.: 00072 A/S Pos.: 4 Date: 06/24/94

Replicate 1
Time: 13:08
Peak Area (A-s): 0.329
Peak Height (A): 0.558
Background Pk Area (A-s): 0.110
Background Pk Height (A): 0.188
Blank Corrected Pk Area (A-s): 0.329
Concentration (mg/L): 0.071

Replicate 2
Time: 13:10
Peak Area (A-s): 0.343
Peak Height (A): 0.572
Background Pk Area (A-s): 0.086
Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.344
Concentration (mg/L): 0.074

Mean Conc (mg/L): 0.073 SD: 0.0023 RSD(%): 3.12

Check sample is within range 0.063 - 0.077

Pb ID: CCB Seq. No.: 00073 A/S Pos.: 5 Date: 06/24/94

Replicate 1 Time: 13:13
Peak Area (A-s): 0.009 Peak Height (A): 0.023
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Replicate 2 Time: 13:15
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0001 RSD(%): 6.38

Check sample is within range -.003 - 0.003

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Se DATE: 6/16/94 ANALYST: RK/AI (CLP)

FURNACE#: 2 DATA FILE #: 2061695E3 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.003

part 1 of 2 3

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK			CALIBRATE
–	–	0.005			CALIBRATE
–	–	0.050			CALIBRATE
–	–	0.100			CALIBRATE
1		R-1C	1:10	0.068	0.680 97%
2		Blk		<	
3		0.005		0.005	
4	CCVF1	R-1C	1:10	0.066	0.6600 94%
5	CCB1	Blk		<	
6 (X)	PBW 94-259	0802		<	PBW1
		+.010		0.010	100%
7	LCSW	0804		0.046	LCSW1
		+.010		0.057	110%
8		0786		<	
		+.010		0.010	100%
9 (X)	Meth Blk 94-2145	0801		<	
		+.010		0.010	100%
10	LCSW	0803	1:10	0.045	0.450
		+.010	↓	0.044	0%
4	CCVF2	R-1C	1:10	0.067	0.670 96%
5	CCB2	Blk		<	
11		0799		<	
		+.010		<	0%
12 (X)	PBW 94-2428	0394		<	} Run 2nd Time.
		+.010		<	
13	LCSW	1395	1:10	0.040	0.400
		+.010	↓	0.031	0%

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
14	Meth Blk	1390		<	
		+.010		<	0%
15	Meth Blk	1449		<	
		+.010		<	0%
4	CCVF3	R-1C	1:10	0.066	0.6660 94%
5	CCB3	Blk		<	
16		1385		<	
		+.010		0.003	30%
17	D	1386		<	
		+.010		<	0%
18	S	1387		0.007	
		+.010		0.011	
19		1388		<	
		+.010		<	0%
20		1389		<	
		+.010		<	0%
4	CCVF4	R-1C	1:10	0.063	0.630 90%
5	CCB4	Blk		<	
21 (X)	94-2529	0787		<	
		+.010		0.006	60%
22 (X)	94-2479	0783		<	
		+.010		<	0%
23	P	0784		<	
		+.010		<	0%
24	S	0785		0.010	
		+.010		0.015	

Doc 6/24/94

10395

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Se DATE: 6/16/94 ANALYST: ~~DBC~~/AI (CLP)

FURNACE#: 2 DATA FILE #: 20616 SE3 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.003

Part 1 of 2

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
25 X	94-2572 PBW	1210		<	
		+.010		0.011	110%
4	CCVF5	R-1C	1:10	0.068	0.680 97%
5	CCB5	Blk		<	
26	LCSW	1211		0.046	
		+.010		0.052	60%
27		1208		0.004	
		+.010		0.012	80% *
28		1209		<	
		+.010		0.008	80%
29 ⊗	94-2629	1204		<	
		+.010		0.009	90%
30 ⊗	94-2654	1205		<	
		+.010		0.009	90%
4	CCVF6	R-1C	1:10	0.068	0.680 97%
5	CCB6	Blk		<	
31 ⊗	94-2668	1207		<	
		+.010		0.009	90%
~~32~~					
33					
34					
35					

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
4	CCVF7	R-1C	1:10	0.069	0.690 99%
5	CCB7	Blk		<	

3/23/95

Element File: SE2.GEL | Element: Se | Wavelength: 196.0
Date: 06/16/94 | Time: 13:43 | Slit: 2.0
Data File: 20616SE3.DAT | ID/Wt File: SE_CLP2.IDW | Lamp Current: 0
Technique: HGA | Calib. Type: Linear | Energy: 54
Remark 1: Analyst: AI
Remark 2: Furnace #2
Remark 3: Det. Limit: 0.003 mg/l

mc 6/16/94

Se ID: Blank | Seq. No.: 00001 | A/S Pos.: 38 | Date: 06/16/94

Replicate 1 | Time: 13:45
Peak Area (A-s): 0.001 | Peak Height (A): 0.005
Background Pk Area (A-s): 0.078 | Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): -0.001

Concentration (mg/L): 0.001

Replicate 2 Time: 13:48
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.067 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0000 RSD(%): 4.26

Auto-zero performed.

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Se ID: Standard 1 Seq. No.: 00002 A/S Pos.: 35 Date: 06/16/94

Replicate 1 Time: 13:50
Peak Area (A-s): 0.011 Peak Height (A): 0.018
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.010
Concentration (mg/L): 0.006

Replicate 2 Time: 13:53
Peak Area (A-s): 0.009 Peak Height (A): 0.016
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.005

Mean Conc (mg/L): 0.006 SD: 0.0007 RSD(%): 11.86

Standard number 1 applied. [0.005]
Correlation coefficient: 1.00000 Slope: 1.8874 Int: 0.000

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Se ID: Standard 2 Seq. No.: 00003 A/S Pos.: 39 Date: 06/16/94

Replicate 1 Time: 13:55
Peak Area (A-s): 0.111 Peak Height (A): 0.150
Background Pk Area (A-s): -0.057 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.110
Concentration (mg/L): 0.058

Replicate 2 Time: 13:58
Peak Area (A-s): 0.107 Peak Height (A): 0.147
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.107
Concentration (mg/L): 0.056

Mean Conc (mg/L): 0.057 SD: 0.0012 RSD(%): 2.05

Standard number 2 applied. [0.050]
Correlation coefficient: 0.99993 Slope: 2.1747 Int: -0.001

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Se ID: Standard 3 Seq. No.: 00004 A/S Pos.: 40 Date: 06/16/94

Replicate 1 Time: 14:00
Peak Area (A-s): 0.232 Peak Height (A): 0.280
Background Pk Area (A-s): 0.148 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.231
~~~~~~

Concentration (mg/L): 0.106

Replicate 2 Time: 14:03
Peak Area (A-s): 0.233 Peak Height (A): 0.314
Background Pk Area (A-s): -0.069 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.232
Concentration (mg/L): 0.107

Mean Conc (mg/L): 0.107 SD: 0.0005 RSD(%): 0.49

Standard number 3 applied. [0.100]
Correlation coefficient: 0.99945 Slope: 2.3126 Int: -0.002

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Se ID: ICVF Seq. No.: 00005 A/S Pos.: 1 Date: 06/16/94

Replicate 1 Time: 14:06
Peak Area (A-s): 0.160 Peak Height (A): 0.196
Background Pk Area (A-s): 0.179 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.159
Concentration (mg/L): 0.070

Replicate 2 Time: 14:08
Peak Area (A-s): 0.153 Peak Height (A): 0.209
Background Pk Area (A-s): -0.107 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.152
Concentration (mg/L): 0.067

Mean Conc (mg/L): 0.068 SD: 0.0023 RSD(%): 3.35

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Se ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 06/16/94

Replicate 1 Time: 14:11
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 14:13
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): -0.035 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.001 SD: 0.0009 RSD(%): 94.05

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Se ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 06/16/94

Replicate 1 Time: 14:16
Peak Area (A-s): 0.009 Peak Height (A): 0.016
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.008
Concentration (mg/L): 0.005

Replicate 2 Time: 14:18
Peak Area (A-s): 0.010 Peak Height (A): 0.022
Background Pk Area (A-s): 0.222 Background Pk Height (A): 0.074
~~~~~~

Blank Corrected Pk Area (A-s): 0.009
Concentration (mg/L): 0.005

Mean Conc (mg/L): 0.005 SD: 0.0003 RSD(%): 6.04

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Se ID: CCVF Seq. No.: 00008 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 14:21
Peak Area (A-s): 0.152 Peak Height (A): 0.173
Background Pk Area (A-s): 0.308 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.152
Concentration (mg/L): 0.067

Replicate 2 Time: 14:24
Peak Area (A-s): 0.149 Peak Height (A): 0.164
Background Pk Area (A-s): -0.531 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.148
Concentration (mg/L): 0.065

Mean Conc (mg/L): 0.066 SD: 0.0011 RSD(%): 1.73

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Se ID: CCB Seq. No.: 00009 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 14:26
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 14:29
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): -0.077 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.000 SD: 0.0004 RSD(%): 89.14

~~~~~~

Se ID: 0802 Seq. No.: 00010 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 14:31
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 14:34
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0001 RSD(%): 12.39

~~~~~~

Se ID: 0802 Seq. No.: 00011 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 14:37
Peak Area (A-s): 0.021 Peak Height (A): 0.028
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.010

Replicate 2 Time: 14:40
Peak Area (A-s): 0.022 Peak Height (A): 0.027
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.010 SD: 0.0004 RSD(%): 3.64

Recovery is 92.6%

~~~~~~

Se ID: 0804 Seq. No.: 00012 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 14:43
Peak Area (A-s): 0.103 Peak Height (A): 0.104
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.102
Concentration (mg/L): 0.045

Replicate 2 Time: 14:45
Peak Area (A-s): 0.106 Peak Height (A): 0.108
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.105
Concentration (mg/L): 0.046

Mean Conc (mg/L): 0.046 SD: 0.0009 RSD(%): 1.87

~~~~~~

Se ID: 0804 Seq. No.: 00013 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 14:48
Peak Area (A-s): 0.131 Peak Height (A): 0.132
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.130
Concentration (mg/L): 0.057

Replicate 2 Time: 14:52
Peak Area (A-s): 0.130 Peak Height (A): 0.127
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.129
Concentration (mg/L): 0.057

Mean Conc (mg/L): 0.057 SD: 0.0005 RSD(%): 0.80

Recovery is 112.7%

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Se ID: 0786 Seq. No.: 00014 A/S Pos.: 8 Date: 06/16/94

Replicate 1 Time: 14:54
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): -0.000
~~~~~~

Concentration (mg/L): 0.001

Replicate 2 Time: 14:57
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): 0.000 SD: 0.0005 RSD(%): 106.88

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Se ID: 0786 Seq. No.: 00015 A/S Pos.: 8 Date: 06/16/94

Replicate 1 Time: 15:00
Peak Area (A-s): 0.023 Peak Height (A): 0.021
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.022
Concentration (mg/L): 0.011

Replicate 2 Time: 15:03
Peak Area (A-s): 0.021 Peak Height (A): 0.020
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.010 SD: 0.0007 RSD(%): 6.57

Recovery is 96.0%

~~~~~~

Se ID: 0801 Seq. No.: 00016 A/S Pos.: 9 Date: 06/16/94

Replicate 1 Time: 15:06
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 15:09
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.155 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0006 RSD(%): 62.44

~~~~~~

Se ID: 0801 Seq. No.: 00017 A/S Pos.: 9 Date: 06/16/94

Replicate 1 Time: 15:12
Peak Area (A-s): 0.023 Peak Height (A): 0.024
Background Pk Area (A-s): 0.161 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.022
Concentration (mg/L): 0.010

Replicate 2 Time: 15:15
Peak Area (A-s): 0.021 Peak Height (A): 0.027
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.020
~~~~~~

Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.010 SD: 0.0006 RSD(%): 6.23

Recovery is 91.0%

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Se ID: 0803(1:10) Seq. No.: 00018 A/S Pos.: 10 Date: 06/16/94

Replicate 1 Time: 15:18
Peak Area (A-s): 0.105 Peak Height (A): 0.108
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.104
Concentration (mg/L): 0.046

Replicate 2 Time: 15:20
Peak Area (A-s): 0.101 Peak Height (A): 0.105
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.100
Concentration (mg/L): 0.044

Mean Conc (mg/L): 0.045 SD: 0.0011 RSD(%): 2.37

~~~~~~

Se ID: 0803(1:10) Seq. No.: 00019 A/S Pos.: 10 Date: 06/16/94

Replicate 1 Time: 15:23
Peak Area (A-s): 0.125 Peak Height (A): 0.119
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.124
Concentration (mg/L): 0.055

Replicate 2 Time: 15:27
Peak Area (A-s): 0.075 Peak Height (A): 0.070
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.075
Concentration (mg/L): 0.033

Mean Conc (mg/L): 0.044 SD: 0.0151 RSD(%): 34.32

Recovery is -12.4%

~~~~~~

Se ID: CCVF Seq. No.: 00020 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 15:29
Peak Area (A-s): 0.154 Peak Height (A): 0.162
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.154
Concentration (mg/L): 0.067

Replicate 2 Time: 15:32
Peak Area (A-s): 0.151 Peak Height (A): 0.160
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.150
Concentration (mg/L): 0.066

Mean Conc (mg/L): 0.067 SD: 0.0011 RSD(%): 1.66
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Check sample is within range 0.063 - 0.077

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Se ID: CCB Seq. No.: 00021 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 15:34
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 15:37
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.000 SD: 0.0004 RSD(%): 118.80

Check sample is within range -.005 - 0.005

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Se ID: 0799 Seq. No.: 00022 A/S Pos.: 11 Date: 06/16/94

Replicate 1 Time: 15:40
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.154 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 15:42
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0003 RSD(%): 57.96

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Se ID: 0799 Seq. No.: 00023 A/S Pos.: 11 Date: 06/16/94

Replicate 1 Time: 15:45
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.002

Replicate 2 Time: 15:49
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.002 SD: 0.0004 RSD(%): 21.91

Recovery is 12.4%

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Se ID: 1394 Seq. No.: 00024 A/S Pos.: 12 Date: 06/16/94

Replicate 1 Time: 15:51
Peak Area (A-s): -0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.001

Replicate 2 Time: 15:54
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): -0.000 SD: 0.0005 RSD(%): 202.37

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Se ID: 1394 Seq. No.: 00025 A/S Pos.: 12 Date: 06/16/94

Replicate 1 Time: 15:57
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.002

Replicate 2 Time: 16:00
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.002 SD: 0.0000 RSD(%): 0.80

Recovery is 19.3%

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Se ID: 1395(1:10) Seq. No.: 00026 A/S Pos.: 13 Date: 06/16/94

Replicate 1 Time: 16:03
Peak Area (A-s): 0.090 Peak Height (A): 0.095
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.089
Concentration (mg/L): 0.039

Replicate 2 Time: 16:06
Peak Area (A-s): 0.093 Peak Height (A): 0.098
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.092
Concentration (mg/L): 0.041

Mean Conc (mg/L): 0.040 SD: 0.0008 RSD(%): 2.09

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Se ID: 1395(1:10) Seq. No.: 00027 A/S Pos.: 13 Date: 06/16/94

Replicate 1 Time: 16:09
Peak Area (A-s): 0.068 Peak Height (A): 0.068
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.067
Concentration (mg/L): 0.030
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Replicate 2 Time: 16:12
Peak Area (A-s): 0.073 Peak Height (A): 0.070
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.072
Concentration (mg/L): 0.032

Mean Conc (mg/L): 0.031 SD: 0.0013 RSD(%): 4.35

Recovery is -90.2%

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Se ID: 1390 Seq. No.: 00028 A/S Pos.: 14 Date: 06/16/94

Replicate 1 Time: 16:15
Peak Area (A-s): -0.002 Peak Height (A): 0.038
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.000

Replicate 2 Time: 16:17
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.129 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): -0.000 SD: 0.0004 RSD(%): 442.38

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Se ID: 1390 Seq. No.: 00029 A/S Pos.: 14 Date: 06/16/94

Replicate 1 Time: 16:20
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.142 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 16:23
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.146 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.003

Mean Conc (mg/L): 0.002 SD: 0.0009 RSD(%): 43.85

Recovery is 20.8%

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Se ID: 1449 Seq. No.: 00030 A/S Pos.: 15 Date: 06/16/94

Replicate 1 Time: 16:26
Peak Area (A-s): -0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.148 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.000

Replicate 2 Time: 16:29
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.141 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): -0.002
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Concentration (mg/L): -0.000

Mean Conc (mg/L): -0.000 SD: 0.0000 RSD(%): 131.26

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Check sample is within range -.005 - 0.005

Se ID: 1385 Seq. No.: 00034 A/S Pos.: 16 Date: 06/16/94

Replicate 1 Time: 16:48
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Replicate 2 Time: 16:51
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.188 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.000

Mean Conc (mg/L): 0.001 SD: 0.0013 RSD(%): 158.82

Se ID: 1385 Seq. No.: 00035 A/S Pos.: 16 Date: 06/16/94

Replicate 1 Time: 16:54
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 16:57
Peak Area (A-s): 0.013 Peak Height (A): 0.016
Background Pk Area (A-s): 0.178 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.012
Concentration (mg/L): 0.006

Mean Conc (mg/L): 0.003 SD: 0.0040 RSD(%): 115.93

Recovery is 26.5%

Se ID: 1386 Seq. No.: 00036 A/S Pos.: 17 Date: 06/16/94

Replicate 1 Time: 16:59
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 17:02
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.000 SD: 0.0003 RSD(%): 88.70

Se ID: 1386 Seq. No.: 00037 A/S Pos.: 17 Date: 06/16/94

Replicate 1 Time: 17:05

Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Replicate 2 Time: 17:08
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.002 SD: 0.0006 RSD(%): 42.95

Recovery is 11.6%

Se ID: 1387 Seq. No.: 00038 A/S Pos.: 18 Date: 06/16/94

Replicate 1 Time: 17:11
Peak Area (A-s): 0.016 Peak Height (A): 0.016
Background Pk Area (A-s): 0.182 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.007

Replicate 2 Time: 17:13
Peak Area (A-s): 0.016 Peak Height (A): 0.018
Background Pk Area (A-s): 0.176 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.015
Concentration (mg/L): 0.008

Mean Conc (mg/L): 0.007 SD: 0.0001 RSD(%): 0.67

Se ID: 1387 Seq. No.: 00039 A/S Pos.: 18 Date: 06/16/94

Replicate 1 Time: 17:16
Peak Area (A-s): 0.031 Peak Height (A): 0.030
Background Pk Area (A-s): 0.184 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.014

Replicate 2 Time: 17:19
Peak Area (A-s): 0.017 Peak Height (A): 0.017
Background Pk Area (A-s): 0.160 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.016
Concentration (mg/L): 0.008

Mean Conc (mg/L): 0.011 SD: 0.0044 RSD(%): 40.60

Recovery is 34.6%

Se ID: 1388 Seq. No.: 00040 A/S Pos.: 19 Date: 06/16/94

Replicate 1 Time: 17:22
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 17:25
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0007 RSD(%): 78.76

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Se ID: 1388 Seq. No.: 00041 A/S Pos.: 19 Date: 06/16/94

Replicate 1 Time: 17:28
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.145 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): 0.001

Replicate 2 Time: 17:31
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.001 SD: 0.0004 RSD(%): 31.68

Recovery is 4.6%

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Se ID: 1389 Seq. No.: 00042 A/S Pos.: 20 Date: 06/16/94

Replicate 1 Time: 17:33
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): 0.001

Replicate 2 Time: 17:36
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.146 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): 0.000 SD: 0.0007 RSD(%): 141.18

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Se ID: 1389 Seq. No.: 00043 A/S Pos.: 20 Date: 06/16/94

Replicate 1 Time: 17:39
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.152 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Replicate 2 Time: 17:42
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002
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Mean Conc (mg/L): 0.002 SD: 0.0002 RSD(%): 8.02

Recovery is 14.9%

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Se ID: CCVF Seq. No.: 00044 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 17:44
Peak Area (A-s): 0.138 Peak Height (A): 0.149
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.138
Concentration (mg/L): 0.060

Replicate 2 Time: 17:47
Peak Area (A-s): 0.149 Peak Height (A): 0.157
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.148
Concentration (mg/L): 0.065

Mean Conc (mg/L): 0.063 SD: 0.0033 RSD(%): 5.24

Check sample is out of range 0.063 - 0.077

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Se ID: CCB Seq. No.: 00045 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 17:50
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.002

Replicate 2 Time: 17:52
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.002 SD: 0.0002 RSD(%): 10.21

Check sample is within range -.005 - 0.005

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Se ID: 0787 Seq. No.: 00046 A/S Pos.: 21 Date: 06/16/94

Replicate 1 Time: 17:55
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): 0.001

Replicate 2 Time: 17:57
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.000

Mean Conc (mg/L): 0.001 SD: 0.0004 RSD(%): 54.61
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Se ID: 0787 Seq. No.: 00047 A/S Pos.: 21 Date: 06/16/94

Replicate 1 Time: 18:00
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Replicate 2 Time: 18:03
Peak Area (A-s): 0.022 Peak Height (A): 0.026
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.006 SD: 0.0058 RSD(%): 95.84

Recovery is 53.0%

Se ID: 0783 Seq. No.: 00048 A/S Pos.: 22 Date: 06/16/94

Replicate 1 Time: 18:06
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 18:08
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): 0.001 SD: 0.0003 RSD(%): 48.05

Se ID: 0783 Seq. No.: 00049 A/S Pos.: 22 Date: 06/16/94

Replicate 1 Time: 18:12
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 18:15
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.002
Concentration (mg/L): 0.002

Mean Conc (mg/L): 0.002 SD: 0.0004 RSD(%): 24.56

Recovery is 9.7%

Se ID: 0784 Seq. No.: 00050 A/S Pos.: 23 Date: 06/16/94

Replicate 1 Time: 18:17

Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 18:20
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0006 RSD(%): 113.04

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Se ID: 0784 Seq. No.: 00051 A/S Pos.: 23 Date: 06/16/94

Replicate 1 Time: 18:23
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.003
Concentration (mg/L): 0.002

Replicate 2 Time: 18:26
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.002 SD: 0.0006 RSD(%): 34.10

Recovery is 11.8%

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Se ID: 0785 Seq. No.: 00052 A/S Pos.: 24 Date: 06/16/94

Replicate 1 Time: 18:29
Peak Area (A-s): 0.021 Peak Height (A): 0.031
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.010

Replicate 2 Time: 18:31
Peak Area (A-s): 0.021 Peak Height (A): 0.025
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.010 SD: 0.0001 RSD(%): 1.03

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Se ID: 0785 Seq. No.: 00053 A/S Pos.: 24 Date: 06/16/94

Replicate 1 Time: 18:34
Peak Area (A-s): 0.021 Peak Height (A): 0.028
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.010

Replicate 2 Time: 18:37
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Peak Area (A-s): 0.046 Peak Height (A): 0.058
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.045
Concentration (mg/L): 0.020

Mean Conc (mg/L): 0.015 SD: 0.0076 RSD(%): 50.89

Recovery is 52.0%

Se ID: 1210 Seq. No.: 00054 A/S Pos.: 25 Date: 06/16/94

Replicate 1 Time: 18:40
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 18:43
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.000

Mean Conc (mg/L): 0.000 SD: 0.0008 RSD(%): 316.24

Se ID: 1210 Seq. No.: 00055 A/S Pos.: 25 Date: 06/16/94

Replicate 1 Time: 18:46
Peak Area (A-s): 0.022 Peak Height (A): 0.029
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.022
Concentration (mg/L): 0.010

Replicate 2 Time: 18:49
Peak Area (A-s): 0.024 Peak Height (A): 0.029
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.011

Mean Conc (mg/L): 0.011 SD: 0.0005 RSD(%): 4.93

Recovery is 105.1%

Se ID: CCVF Seq. No.: 00056 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 18:52
Peak Area (A-s): 0.152 Peak Height (A): 0.163
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.151
Concentration (mg/L): 0.066

Replicate 2 Time: 18:54
Peak Area (A-s): 0.161 Peak Height (A): 0.169
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.160
Concentration (mg/L): 0.070

Mean Conc (mg/L): 0.068 SD: 0.0027 RSD(%): 3.91

Check sample is within range 0.063 - 0.077

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Se ID: CCB Seq. No.: 00057 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 18:57
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.001

Replicate 2 Time: 18:59
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): 0.001 SD: 0.0007 RSD(%): 121.54

Check sample is within range -.005 - 0.005

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Se ID: 1211 Seq. No.: 00058 A/S Pos.: 26 Date: 06/16/94

Replicate 1 Time: 19:02
Peak Area (A-s): 0.104 Peak Height (A): 0.109
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.103
Concentration (mg/L): 0.046

Replicate 2 Time: 19:04
Peak Area (A-s): 0.104 Peak Height (A): 0.112
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.103
Concentration (mg/L): 0.045

Mean Conc (mg/L): 0.046 SD: 0.0001 RSD(%): 0.26

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Se ID: 1211 Seq. No.: 00059 A/S Pos.: 26 Date: 06/16/94

Replicate 1 Time: 19:08
Peak Area (A-s): 0.110 Peak Height (A): 0.114
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.109
Concentration (mg/L): 0.048

Replicate 2 Time: 19:11
Peak Area (A-s): 0.127 Peak Height (A): 0.134
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.126
Concentration (mg/L): 0.055

Mean Conc (mg/L): 0.052 SD: 0.0051 RSD(%): 9.74

Recovery is 63.6%
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Se ID: 1208 Seq. No.: 00060 A/S Pos.: 27 Date: 06/16/94

Replicate 1 Time: 19:13
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.004

Replicate 2 Time: 19:16
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.005
Concentration (mg/L): 0.003

Mean Conc (mg/L): 0.004 SD: 0.0003 RSD(%): 8.03

~~~~~~

Se ID: 1208 Seq. No.: 00061 A/S Pos.: 27 Date: 06/16/94

Replicate 1 Time: 19:19
Peak Area (A-s): 0.026 Peak Height (A): 0.034
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.012

Replicate 2 Time: 19:23
Peak Area (A-s): 0.026 Peak Height (A): 0.036
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.012

Mean Conc (mg/L): 0.012 SD: 0.0000 RSD(%): 0.22

Recovery is 84.8%

~~~~~~

Se ID: 1209 Seq. No.: 00062 A/S Pos.: 28 Date: 06/16/94

Replicate 1 Time: 19:25
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Replicate 2 Time: 19:28
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0001 RSD(%): 13.62

~~~~~~

Se ID: 1209 Seq. No.: 00063 A/S Pos.: 28 Date: 06/16/94

Replicate 1 Time: 19:31
Peak Area (A-s): 0.018 Peak Height (A): 0.026
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.021

Blank Corrected Pk Area (A-s): 0.018
Concentration (mg/L): 0.009

Replicate 2 Time: 19:34
Peak Area (A-s): 0.018 Peak Height (A): 0.027
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.008

Mean Conc (mg/L): 0.008 SD: 0.0002 RSD(%): 2.18

Recovery is 78.7%

~~~~~~

Se ID: 1204 Seq. No.: 00064 A/S Pos.: 29 Date: 06/16/94

Replicate 1 Time: 19:37
Peak Area (A-s): -0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.001

Replicate 2 Time: 19:40
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Mean Conc (mg/L): -0.000 SD: 0.0006 RSD(%): 191.76

~~~~~~

Se ID: 1204 Seq. No.: 00065 A/S Pos.: 29 Date: 06/16/94

Replicate 1 Time: 19:43
Peak Area (A-s): 0.019 Peak Height (A): 0.025
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.009

Replicate 2 Time: 19:46
Peak Area (A-s): 0.018 Peak Height (A): 0.023
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.009

Mean Conc (mg/L): 0.009 SD: 0.0004 RSD(%): 3.98

Recovery is 91.3%

~~~~~~

Se ID: 1205 Seq. No.: 00066 A/S Pos.: 30 Date: 06/16/94

Replicate 1 Time: 19:49
Peak Area (A-s): -0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.000

Replicate 2 Time: 19:51
~~~~~~

Peak Area (A-s): -0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.000 SD: 0.0005 RSD(%): 99.48

~~~~~~

Se ID: 1205 Seq. No.: 00067 A/S Pos.: 30 Date: 06/16/94

Replicate 1 Time: 19:55
Peak Area (A-s): 0.020 Peak Height (A): 0.025
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.009

Replicate 2 Time: 19:58
Peak Area (A-s): 0.020 Peak Height (A): 0.025
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.009

Mean Conc (mg/L): 0.009 SD: 0.0001 RSD(%): 1.09

Recovery is 98.1%

~~~~~~

Se ID: CCVF Seq. No.: 00068 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 20:00
Peak Area (A-s): 0.158 Peak Height (A): 0.176
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.158
Concentration (mg/L): 0.069

Replicate 2 Time: 20:03
Peak Area (A-s): 0.151 Peak Height (A): 0.169
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.150
Concentration (mg/L): 0.066

Mean Conc (mg/L): 0.068 SD: 0.0022 RSD(%): 3.23

Check sample is within range 0.063 - 0.077

~~~~~~

Se ID: CCB Seq. No.: 00069 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 20:05
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000

Replicate 2 Time: 20:08
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): 0.000
~~~~~~

Mean Conc (mg/L): 0.000 SD: 0.0001 RSD(%): 50.60

Check sample is within range -.005 - 0.005

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Se ID: 1207 Seq. No.: 00070 A/S Pos.: 31 Date: 06/16/94

Replicate 1
Time: 20:11
Peak Area (A-s): -0.004
Peak Height (A): 0.004
Background Pk Area (A-s): 0.033
Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.005
Concentration (mg/L): -0.001

Replicate 2
Time: 20:13
Peak Area (A-s): -0.004
Peak Height (A): 0.004
Background Pk Area (A-s): 0.035
Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.005
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0000 RSD(%): 2.98

~~~~~~

Se ID: 1207 Seq. No.: 00071 A/S Pos.: 31 Date: 06/16/94

Replicate 1
Time: 20:17
Peak Area (A-s): 0.020
Peak Height (A): 0.027
Background Pk Area (A-s): 0.034
Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.009

Replicate 2
Time: 20:20
Peak Area (A-s): 0.020
Peak Height (A): 0.025
Background Pk Area (A-s): 0.034
Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.009

Mean Conc (mg/L): 0.009 SD: 0.0001 RSD(%): 0.86

Recovery is 103.3%

~~~~~~

Se ID: CCVF Seq. No.: 00072 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Time: 20:22
Peak Area (A-s): 0.160
Peak Height (A): 0.176
Background Pk Area (A-s): 0.066
Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.159
Concentration (mg/L): 0.070

Replicate 2
Time: 20:25
Peak Area (A-s): 0.157
Peak Height (A): 0.178
Background Pk Area (A-s): 0.068
Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.156
Concentration (mg/L): 0.068

Mean Conc (mg/L): 0.069 SD: 0.0009 RSD(%): 1.35

Check sample is within range 0.063 - 0.077
~~~~~~

Se ID: CCB Seq. No.: 00073 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 20:27
Peak Area (A-s): -0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.000

Replicate 2 Time: 20:30
Peak Area (A-s): -0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.000 SD: 0.0002 RSD(%): 34.22

Check sample is within range -.005 - 0.005

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Ag DATE: 6/24/94 ANALYST: Doc (CLP)

FURNACE#: 3 DATA FILE #: 30624AG1 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.0002

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK		S0	CALIBRATE
–	–	0.0010		S1	CALIBRATE
–	–	0.0030		S3	CALIBRATE
–	–	0.0070		S7	CALIBRATE
1		R-IC	1:100	0.0048	0.480 96%
2		Blk		<	
3		0.0002		0.0003	
4	CCVF1	R-IC	1:100	0.0049	0.490 98%
5	CCB1	Blk		<	
6	PBW 94-2519	0802		<	PBW2
		+.0030		0.0029	97%
7	LCSW	0804	1:100	0.0029	0.290 LCSW2
		+.0030	↓	0.0057	93%
8		0786		<	
		+.0030		0.0028	93%
9					
10					
4	CCVF2	R-IC	1:100	0.0047	0.470 94%
5	CCB2	Blk		<	
11					
12					
13					

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
14					
15					
4					
5					
16					
17					
18					
19					
20					
4					
5					
21					
22					
23					
24					

10421

Element File: AG2.GEL
Date: 06/24/94
Data File: 30624AG1.DAT
Technique: HGA
Remark 1: Furnace #3
Remark 2: Analyst: JAC
Remark 3: Detection Limit: 0.0002 mg/l

Element: Ag
Time: 08:32
ID/Wt File: AG_CLP2.IDW
Calib. Type: Linear

Wavelength: 328.1
Slit: 0.7
Lamp Current: 10
Energy: 69

JAC 6/24/94

Ag ID: Blank Seq. No.: 00001 A/S Pos.: 37 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.028
Blank Corrected Pk Area (A-s): 0.002

Time: 08:33
Peak Height (A): 0.004
Background Pk Height (A): 0.009

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.000

Time: 08:36
Peak Height (A): 0.003
Background Pk Height (A): 0.005

Mean Pk Area (A-s): 0.001 SD: 0.0012 RSD(%): 112.69

Auto-zero performed.

Ag ID: Standard 1 Seq. No.: 00002 A/S Pos.: 38 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.027
Background Pk Area (A-s): 0.008
Blank Corrected Pk Area (A-s): 0.026

Time: 08:38
Peak Height (A): 0.024
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.027
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): 0.026

Time: 08:41
Peak Height (A): 0.024
Background Pk Height (A): 0.006

Mean Pk Area (A-s): 0.026 SD: 0.0000 RSD(%): 0.02

Standard number 1 applied. [0.0010]
Correlation coefficient: 1.00000 Slope: 26.4379 Int: -0.000

Ag ID: Standard 2 Seq. No.: 00003 A/S Pos.: 39 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.083
Background Pk Area (A-s): 0.012
Blank Corrected Pk Area (A-s): 0.082
Concentration (mg/L): 0.0031

Time: 08:44
Peak Height (A): 0.067
Background Pk Height (A): 0.008

Replicate 2
Peak Area (A-s): 0.081
Background Pk Area (A-s): 0.013
Blank Corrected Pk Area (A-s): 0.080
Concentration (mg/L): 0.0030

Time: 08:46
Peak Height (A): 0.067
Background Pk Height (A): 0.009

Mean Conc (mg/L): 0.0031 SD: 0.00004 RSD(%): 1.36

Standard number 2 applied. [0.0030]
Correlation coefficient: 0.99997 Slope: 27.0840 Int: -0.000

Ag ID: Standard 3 Seq. No.: 00004 A/S Pos.: 40 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.192
Background Pk Area (A-s): 0.023
Blank Corrected Pk Area (A-s): 0.191
Concentration (mg/L): 0.0071
Time: 08:49
Peak Height (A): 0.152
Background Pk Height (A): 0.016

Replicate 2
Peak Area (A-s): 0.188
Background Pk Area (A-s): 0.022
Blank Corrected Pk Area (A-s): 0.187
Concentration (mg/L): 0.0069
Time: 08:51
Peak Height (A): 0.149
Background Pk Height (A): 0.014

Mean Conc (mg/L): 0.0070 SD: 0.00012 RSD(%): 1.68

Standard number 3 applied. [0.0070]
Correlation coefficient: 0.99999 Slope: 27.0197 Int: -0.000

Ag ID: ICVF Seq. No.: 00005 A/S Pos.: 1 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.130
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.129
Concentration (mg/L): 0.0048
Time: 08:54
Peak Height (A): 0.107
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.131
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.130
Concentration (mg/L): 0.0048
Time: 08:56
Peak Height (A): 0.107
Background Pk Height (A): 0.011

Mean Conc (mg/L): 0.0048 SD: 0.00001 RSD(%): 0.22

Ag ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.0000
Time: 08:59
Peak Height (A): 0.004
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000
Time: 09:01
Peak Height (A): 0.003
Background Pk Height (A): 0.005

Mean Conc (mg/L): -0.0000 SD: 0.00001 RSD(%): 39.19

Ag ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.008
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.007
Concentration (mg/L): 0.0003
Time: 09:04
Peak Height (A): 0.009
Background Pk Height (A): 0.005

Replicate 2
Peak Area (A-s): 0.007
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): 0.006
Concentration (mg/L): 0.0002
Time: 09:06
Peak Height (A): 0.008
Background Pk Height (A): 0.005

Mean Conc (mg/L): 0.0003 SD: 0.00002 RSD(%): 7.41

Ag ID: CCVF Seq. No.: 00008 A/S Pos.: 4 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.132
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.131
Concentration (mg/L): 0.0049
Time: 09:09
Peak Height (A): 0.105
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.132
Background Pk Area (A-s): 0.016
Blank Corrected Pk Area (A-s): 0.131
Concentration (mg/L): 0.0049
Time: 09:12
Peak Height (A): 0.106
Background Pk Height (A): 0.012

Mean Conc (mg/L): 0.0049 SD: 0.00001 RSD(%): 0.12

Ag ID: CCB Seq. No.: 00009 A/S Pos.: 5 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000
Time: 09:14
Peak Height (A): 0.003
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000
Time: 09:17
Peak Height (A): 0.003
Background Pk Height (A): 0.005

Mean Conc (mg/L): -0.0000 SD: 0.00001 RSD(%): 32.42

Ag ID: 0802 Seq. No.: 00010 A/S Pos.: 6 Date: 06/24/94

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.002
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000
Time: 09:19
Peak Height (A): 0.004
Background Pk Height (A): 0.005

Replicate 2 Time: 09:22
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): 0.0000

Mean Conc (mg/L): -0.0000 SD: 0.00004 RSD(%): 2605.69

Ag ID: 0802 Seq. No.: 00011 A/S Pos.: 6 Date: 06/24/94

Replicate 1 Time: 09:25
Peak Area (A-s): 0.078 Peak Height (A): 0.061
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.077
Concentration (mg/L): 0.0028

Replicate 2 Time: 09:27
Peak Area (A-s): 0.079 Peak Height (A): 0.061
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.078
Concentration (mg/L): 0.0029

Mean Conc (mg/L): 0.0029 SD: 0.00004 RSD(%): 1.46

Recovery is 96.0%

Ag ID: 0804(1:100) Seq. No.: 00012 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 09:30
Peak Area (A-s): 0.079 Peak Height (A): 0.065
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.078
Concentration (mg/L): 0.0029

Replicate 2 Time: 09:33
Peak Area (A-s): 0.080 Peak Height (A): 0.065
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.079
Concentration (mg/L): 0.0029

Mean Conc (mg/L): 0.0029 SD: 0.00002 RSD(%): 0.74

Ag ID: 0804(1:100) Seq. No.: 00013 A/S Pos.: 7 Date: 06/24/94

Replicate 1 Time: 09:36
Peak Area (A-s): 0.149 Peak Height (A): 0.115
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.148
Concentration (mg/L): 0.0055

Replicate 2 Time: 09:38
Peak Area (A-s): 0.160 Peak Height (A): 0.126
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.159
Concentration (mg/L): 0.0059

Mean Conc (mg/L): 0.0057 SD: 0.00028 RSD(%): 4.86

Recovery is 92.8%

Ag ID: 0786 Seq. No.: 00014 A/S Pos.: 8 Date: 06/24/94

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.0001
Time: 09:41
Peak Height (A): 0.004
Background Pk Height (A): 0.005

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000
Time: 09:44
Peak Height (A): 0.003
Background Pk Height (A): 0.006

Mean Conc (mg/L): -0.0001 SD: 0.00001 RSD(%): 21.46

Ag ID: 0786 Seq. No.: 00015 A/S Pos.: 8 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.078
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): 0.077
Concentration (mg/L): 0.0029
Time: 09:46
Peak Height (A): 0.060
Background Pk Height (A): 0.010

Replicate 2
Peak Area (A-s): 0.077
Background Pk Area (A-s): 0.013
Blank Corrected Pk Area (A-s): 0.076
Concentration (mg/L): 0.0028
Time: 09:49
Peak Height (A): 0.061
Background Pk Height (A): 0.009

Mean Conc (mg/L): 0.0028 SD: 0.00002 RSD(%): 0.73

Recovery is 96.4%

Ag ID: CCVF Seq. No.: 00016 A/S Pos.: 4 Date: 06/24/94

Replicate 1
Peak Area (A-s): 0.130
Background Pk Area (A-s): 0.017
Blank Corrected Pk Area (A-s): 0.129
Concentration (mg/L): 0.0048
Time: 09:54
Peak Height (A): 0.107
Background Pk Height (A): 0.012

Replicate 2
Peak Area (A-s): 0.127
Background Pk Area (A-s): 0.018
Blank Corrected Pk Area (A-s): 0.126
Concentration (mg/L): 0.0047
Time: 09:56
Peak Height (A): 0.103
Background Pk Height (A): 0.011

Mean Conc (mg/L): 0.0047 SD: 0.00008 RSD(%): 1.62

Ag ID: CCB Seq. No.: 00017 A/S Pos.: 5 Date: 06/24/94

10427

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.0000

Time: 09:59
Peak Height (A): 0.004
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): 0.0000

Time: 10:01
Peak Height (A): 0.005
Background Pk Height (A): 0.006

Mean Conc (mg/L): -0.0000

SD: 0.00004

RSD(%): 307.27

P&E 5100 PC FURNACE WORKSHEET ELEMENT: Ti DATE: 6/16/94 ANALYST: DAC/AF (CLP)

FURNACE#: 1 DATA FILE #: 10616TL3 # REPLICATE SHOTS: 2 DETECTION LIMIT: 0.006

Part 1 of 2

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK		S0	CALIBRATE
–	–	STD 1		S10	CALIBRATE
–	–	STD 2		S50	CALIBRATE
–	–	STD 3		S100	CALIBRATE
1	ICVF	R-IC	1:10	0.060	0.600 100%
2	ICB	Blk		<	06/25/94
3		0.010		0.008	9 hmp
4	CCVF1	R-IC	1:10	0.059	0.590 98%
5	CCB1	Blk		<	
6 ✓	94-2519 PBW	0802		<	PBW1
7		+.02		0.019	95%
8	LCSW	0804	1:2	0.033	0.066
9		+.020		0.050	85%
10		0786		<	
11		+.020		0.011	55%
12 ✓	94-2529	0787		<	
13		+.020		0.012	60%
14 ✓	94-2572 PBW	1210		<	
15		+.020		0.018	90%
16	CCVF2	R-IC	1:10	0.061	0.610 102%
17	CCB2	Blk		<	
18	LCSW	1211	1:2	0.035	0.070
19		+.020	↓	0.050	75%
20		1208		<	
21		+.020		0.018	90%
22		1209		<	
23		+.020		0.014	70%
24 ✓	94-2629	1204		<	

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
25		+.020		0.018	90%
26 ✓	94-2654	1205		<	
27		+.020		0.017	85%
28	CCVF3	R-IC	1:10	0.060	0.600 100%
29	CCB3	Blk		<	
30 ✓	94-2668	1207		<	
31		+.020		0.017	85%
32 ✓	94-2479	0783		<	
33		+.020		0.015	75%
34	D	0784		<	
35		+.020		0.014	70%
	S	0785		0.040	
		+.020		0.053	
✓	94-2310 PBS	0534		<	} Run 2nd. time.
		+.020		0.015	
	CCVF4	R-IC	1:10	0.062	0.620 103%
	CCB4	Blk		<	
	LCSS	0535	1:20	0.023	0.460
		+.020	↓	0.041	90%
		0517		<	
		+.020		0.013	65%
		0518		<	
		+.020		0.015	75%
		0519		<	
		+.020		0.015	75%
		0520		<	
		+.020		0.013	65%
	CCVF5	R-IC	1:10	0.063	0.630 105%

P&E 5100 PC FURNACE WORKSHEET ELEMENT:_____ DATE:_____ ANALYST:_____

FURNACE#:_____ DATA FILE #:_____ # REPLICATE SHOTS:_____ DETECTION LIMIT:_____

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
–	–	BLANK			CALIBRATE
–	–	STD 1			CALIBRATE
–	–	STD 2			CALIBRATE
–	–	STD 3			CALIBRATE
1	CCB5	Blk		<	
2		0521		<	
3		+.020		0.016	
4		0522		<	
5		+.020		0.014	
6		0523		<	
7		+.020		0.016	
8		0524		<	
9		+.020		0.017	
10	✓ 94-2428	0525		<	
11		+.020		0.016	
12		R-1C	1/10		
13		Blk			Void. CCV out of control. nor 6/16/94.
14		0526			
15		+.020			
16		0527			
17		+.020			
18		0528			
19		+.020			
20		0529			
21		+.020			
22		R-1C	1:10		
23		Blk			
24					

TRAY #	JOB #	SAMPLE I.D.	DIL FAC.	FINAL CONC. (MG/L)	COMMENTS
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					

6490

Element File: TLC.GEL
Date: 06/16/94
Data File: 10616TL3.IAT
Technique: HGA
Remark 1: Analyst: AI
Remark 2: Furnace #1
Remark 3: Detection Limit: 0.006 mg/l

Element: Tl
Time: 15:37
ID/Wt File: TL_CLP2.IDW
Calib. Type: Linear

Wavelength: 276.8
Slit: 0.7
Lamp Current: 10
Energy: 55

DMZ 6/16/94

Tl ID: Blank Seq. No.: 00001 A/S Pos.: 37 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.001
Blank Corrected Pk Area (A-s): -0.000

Time: 15:39
Peak Height (A): 0.006
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): -0.000
Blank Corrected Pk Area (A-s): 0.000

Time: 15:41
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Mean Pk Area (A-s): 0.000 SD: 0.0002 RSD(%): 158.83

Auto-zero performed.

Tl ID: Standard 1 Seq. No.: 00002 A/S Pos.: 38 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.018
Background Pk Area (A-s): 0.019
Blank Corrected Pk Area (A-s): 0.019

Time: 15:44
Peak Height (A): 0.033
Background Pk Height (A): 0.029

Replicate 2
Peak Area (A-s): 0.017
Background Pk Area (A-s): 0.021
Blank Corrected Pk Area (A-s): 0.017

Time: 15:46
Peak Height (A): 0.029
Background Pk Height (A): 0.029

Mean Pk Area (A-s): 0.018 SD: 0.0011 RSD(%): 6.14

Standard number 1 applied. [0.010]
Correlation coefficient: 1.00000 Slope: 1.8093 Int: 0.000

Tl ID: Standard 2 Seq. No.: 00003 A/S Pos.: 39 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.098
Background Pk Area (A-s): 0.084

Time: 15:48
Peak Height (A): 0.134
Background Pk Height (A): 0.121

Blank Corrected Pk Area (A-s): 0.098
Concentration (mg/L): 0.054

Replicate 2 Time: 15:51
Peak Area (A-s): 0.098 Peak Height (A): 0.138
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.122
Blank Corrected Pk Area (A-s): 0.097
Concentration (mg/L): 0.054

Mean Conc (mg/L): 0.054 SD: 0.0001 RSD(%): 0.17

Standard number 2 applied. [0.050]
Correlation coefficient: 0.99989 Slope: 1.9605 Int: -0.001

Tl ID: Standard 3 Seq. No.: 00004 A/S Pos.: 40 Date: 06/16/94

Replicate 1 Time: 15:53
Peak Area (A-s): 0.179 Peak Height (A): 0.249
Background Pk Area (A-s): 0.185 Background Pk Height (A): 0.234
Blank Corrected Pk Area (A-s): 0.179
Concentration (mg/L): 0.092

Replicate 2 Time: 15:55
Peak Area (A-s): 0.179 Peak Height (A): 0.247
Background Pk Area (A-s): 0.183 Background Pk Height (A): 0.236
Blank Corrected Pk Area (A-s): 0.179
Concentration (mg/L): 0.092

Mean Conc (mg/L): 0.092 SD: 0.0002 RSD(%): 0.24

Standard number 3 applied. [0.100]
Correlation coefficient: 0.99885 Slope: 1.8023 Int: 0.002

Tl ID: ICVF Seq. No.: 00005 A/S Pos.: 1 Date: 06/16/94

Replicate 1 Time: 15:58
Peak Area (A-s): 0.111 Peak Height (A): 0.162
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.111
Concentration (mg/L): 0.081

Replicate 2 Time: 16:00
Peak Area (A-s): 0.111 Peak Height (A): 0.164
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.110
Concentration (mg/L): 0.080

Mean Conc (mg/L): 0.080 SD: 0.0001 RSD(%): 0.15

Tl ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 06/16/94

Replicate 1 Time: 16:02
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Replicate 2 Time: 16:05
Peak Area (A-s): -0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 SD: 0.0006 RSD(%): 38.90

T1 ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 06/16/94

Replicate 1 Time: 16:07
Peak Area (A-s): 0.018 Peak Height (A): 0.031
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.017
Concentration (mg/L): 0.009

Replicate 2 Time: 16:10
Peak Area (A-s): 0.019 Peak Height (A): 0.032
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.019
Concentration (mg/L): 0.010

Mean Conc (mg/L): 0.009 SD: 0.0006 RSD(%): 6.21

T1 ID: CCVF Seq. No.: 00008 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 16:12
Peak Area (A-s): 0.107 Peak Height (A): 0.158
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.107
Concentration (mg/L): 0.058

Replicate 2 Time: 16:14
Peak Area (A-s): 0.108 Peak Height (A): 0.157
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.108
Concentration (mg/L): 0.059

Mean Conc (mg/L): 0.059 SD: 0.0005 RSD(%): 0.90

T1 ID: CCB Seq. No.: 00009 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 16:17
Peak Area (A-s): -0.005 Peak Height (A): 0.006
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.005
Concentration (mg/L): -0.003

Replicate 2 Time: 16:19
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.002 SD: 0.0016 RSD(%): 88.13

Tl ID: 0802 Seq. No.: 00010 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 16:21
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 16:24
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0003 RSD(%): 20.52

Tl ID: 0802 Seq. No.: 00011 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 16:26
Peak Area (A-s): 0.036 Peak Height (A): 0.055
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.035
Concentration (mg/L): 0.018

Replicate 2 Time: 16:29
Peak Area (A-s): 0.036 Peak Height (A): 0.057
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.035
Concentration (mg/L): 0.019

Mean Conc (mg/L): 0.019 SD: 0.0001 RSD(%): 0.32

Recovery is 100.5%

Tl ID: 0804(1:2) Seq. No.: 00012 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 16:31
Peak Area (A-s): 0.063 Peak Height (A): 0.095
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.063
Concentration (mg/L): 0.034

Replicate 2 Time: 16:34
Peak Area (A-s): 0.061 Peak Height (A): 0.097
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.061
Concentration (mg/L): 0.033

Mean Conc (mg/L): 0.033 SD: 0.0008 RSD(%): 2.33

Tl ID: 0804(1:2) Seq. No.: 00013 A/S Pos.: 7 Date: 06/16/94

Replicate 1 Time: 16:37
Peak Area (A-s): 0.083 Peak Height (A): 0.136
Background Pk Area (A-s): 0.083 Background Pk Height (A): 0.121

Blank Corrected Pk Area (A-s): 0.083
Concentration (mg/L): 0.051

Replicate 3 Time: 16:39
Peak Area (A-s): 0.090 Peak Height (A): 0.137
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.090
Concentration (mg/L): 0.049

Mean Conc (mg/L): 0.050 SD: 0.0011 RSD(%): 2.15

Recovery is 82.8%

Tl ID: 0788 Seq. No.: 00014 A/S Pos.: 8 Date: 06/16/94

Replicate 1 Time: 16:42
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 16:44
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0001 RSD(%): 7.98

Tl ID: 0786 Seq. No.: 00015 A/S Pos.: 3 Date: 06/16/94

Replicate 1 Time: 16:47
Peak Area (A-s): 0.021 Peak Height (A): 0.038
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.020
Concentration (mg/L): 0.010

Replicate 2 Time: 16:49
Peak Area (A-s): 0.021 Peak Height (A): 0.038
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.011

Mean Conc (mg/L): 0.011 SD: 0.0003 RSD(%): 2.67

Recovery is 61.0%

Tl ID: 0787 Seq. No.: 00016 A/S Pos.: 9 Date: 06/16/94

Replicate 1 Time: 16:52
Peak Area (A-s): -0.004 Peak Height (A): 0.006
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.003

Replicate 2 Time: 16:54

Peak Area (A-s): -0.004
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.003

Peak Height (A): 0.006
Background Pk Height (A): 0.007

Mean Conc (mg/L): -0.003 SD: 0.0001 RSD(%): 2.72

Tl ID: 0737 Seq. No.: 00017 A/S Pos.: 9 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.021
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.021
Concentration (mg/L): 0.011

Time: 16:57
Peak Height (A): 0.041
Background Pk Height (A): 0.037

Replicate 2
Peak Area (A-s): 0.024
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.012

Time: 16:59
Peak Height (A): 0.045
Background Pk Height (A): 0.037

Mean Conc (mg/L): 0.012 SD: 0.0012 RSD(%): 10.52

Recovery is 73.7%

Tl ID: 1210 Seq. No.: 00018 A/S Pos.: 10 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.000
Background Pk Area (A-s): -0.000
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Time: 17:02
Peak Height (A): 0.006
Background Pk Height (A): 0.007

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.001
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Time: 17:04
Peak Height (A): 0.006
Background Pk Height (A): 0.008

Mean Conc (mg/L): -0.001 SD: 0.0010 RSD(%): 84.36

Tl ID: 1210 Seq. No.: 00019 A/S Pos.: 10 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.038
Background Pk Area (A-s): 0.032
Blank Corrected Pk Area (A-s): 0.036
Concentration (mg/L): 0.019

Time: 17:07
Peak Height (A): 0.057
Background Pk Height (A): 0.046

Replicate 2
Peak Area (A-s): 0.033
Background Pk Area (A-s): 0.031
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.018

Time: 17:09
Peak Height (A): 0.058
Background Pk Height (A): 0.051

Mean Conc (mg/L): 0.018 SD: 0.0012 RSD(%): 6.75

Recovery is 99.7%

Tl ID: CCVF Seq. No.: 00020 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.114
Background Pk Area (A-s): 0.095
Blank Corrected Pk Area (A-s): 0.114
Concentration (mg/L): 0.062

Time: 17:12
Peak Height (A): 0.168
Background Pk Height (A): 0.144

Replicate 2
Peak Area (A-s): 0.111
Background Pk Area (A-s): 0.100
Blank Corrected Pk Area (A-s): 0.111
Concentration (mg/L): 0.061

Time: 17:14
Peak Height (A): 0.164
Background Pk Height (A): 0.150

Mean Conc (mg/L): 0.061 SD: 0.0011 RSD(%): 1.86

Check sample is within range 0.054 - 0.066

Tl ID: CCB Seq. No.: 00021 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Time: 17:17
Peak Height (A): 0.005
Background Pk Height (A): 0.007

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Time: 17:19
Peak Height (A): 0.007
Background Pk Height (A): 0.005

Mean Conc (mg/L): -0.002 SD: 0.0008 RSD(%): 40.98

Check sample is within range -.010 - 0.010

Tl ID: 1211(1:2) Seq. No.: 00022 A/S Pos.: 11 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.066
Background Pk Area (A-s): 0.054
Blank Corrected Pk Area (A-s): 0.066
Concentration (mg/L): 0.036

Time: 17:22
Peak Height (A): 0.103
Background Pk Height (A): 0.086

Replicate 2
Peak Area (A-s): 0.064
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): 0.064
Concentration (mg/L): 0.034

Time: 17:24
Peak Height (A): 0.102
Background Pk Height (A): 0.088

Mean Conc (mg/L): 0.035 SD: 0.0010 RSD(%): 2.98

Tl ID: 1211(1:2) Seq. No.: 00023 A/S Pos.: 11 Date: 06/16/94

Replicate 1 Time: 17:27
Peak Area (A-s): 0.092 Peak Height (A): 0.138
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.122
Blank Corrected Pk Area (A-s): 0.092
Concentration (mg/L): 0.050

Replicate 2 Time: 17:29
Peak Area (A-s): 0.093 Peak Height (A): 0.138
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.093
Concentration (mg/L): 0.051

Mean Conc (mg/L): 0.050 SD: 0.0004 RSD(%): 0.75

Recovery is 76.2%

Tl ID: 1208 Seq. No.: 00024 A/S Pos.: 12 Date: 06/16/94

Replicate 1 Time: 17:32
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.001

Replicate 2 Time: 17:34
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.004
Concentration (mg/L): 0.001

Mean Conc (mg/L): 0.001 SD: 0.0002 RSD(%): 12.85

Tl ID: 1208 Seq. No.: 00025 A/S Pos.: 12 Date: 06/16/94

Replicate 1 Time: 17:37
Peak Area (A-s): 0.033 Peak Height (A): 0.056
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.017

Replicate 2 Time: 17:39
Peak Area (A-s): 0.034 Peak Height (A): 0.055
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.034
Concentration (mg/L): 0.018

Mean Conc (mg/L): 0.018 SD: 0.0004 RSD(%): 2.10

Recovery is 81.6%

Tl ID: 1209 Seq. No.: 00026 A/S Pos.: 13 Date: 06/16/94

Replicate 1 Time: 17:42
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001

Concentration (mg/L): -0.001

Replicate 2 Time: 17:44
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 SD: 0.0004 RSD(%): 25.89

Tl ID: 1209 Seq. No.: 00027 A/S Pos.: 13 Date: 08/16/94

Replicate 1 Time: 17:47
Peak Area (A-s): 0.028 Peak Height (A): 0.046
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.014

Replicate 2 Time: 17:49
Peak Area (A-s): 0.025 Peak Height (A): 0.044
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.013

Mean Conc (mg/L): 0.014 SD: 0.0008 RSD(%): 6.08

Recovery is 75.9%

Tl ID: 1204 Seq. No.: 00028 A/S Pos.: 14 Date: 08/16/94

Replicate 1 Time: 17:52
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 17:54
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 SD: 0.0003 RSD(%): 21.80

Tl ID: 1204 Seq. No.: 00029 A/S Pos.: 14 Date: 08/16/94

Replicate 1 Time: 17:57
Peak Area (A-s): 0.032 Peak Height (A): 0.054
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.032
Concentration (mg/L): 0.017

Replicate 2 Time: 17:59
Peak Area (A-s): 0.037 Peak Height (A): 0.058
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.036

Concentration (mg/L): 0.019

Mean Conc (mg/L): 0.018 SD: 0.0019 RSD(%): 10.56

Recovery is 97.1%

Tl ID: 1205 Seq. No.: 00030 A/S Pos.: 15 Date: 06/16/94

Replicate 1 Time: 18:02
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Replicate 2 Time: 18:04
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0003 RSD(%): 30.18

Tl ID: 1205 Seq. No.: 00031 A/S Pos.: 15 Date: 06/16/94

Replicate 1 Time: 18:07
Peak Area (A-s): 0.033 Peak Height (A): 0.055
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.017

Replicate 2 Time: 18:09
Peak Area (A-s): 0.030 Peak Height (A): 0.052
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.016

Mean Conc (mg/L): 0.017 SD: 0.0011 RSD(%): 6.37

Recovery is 88.8%

Tl ID: CCVF Seq. No.: 00032 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 18:12
Peak Area (A-s): 0.108 Peak Height (A): 0.156
Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.108
Concentration (mg/L): 0.059

Replicate 2 Time: 18:14
Peak Area (A-s): 0.113 Peak Height (A): 0.167
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.113
Concentration (mg/L): 0.062

Mean Conc (mg/L): 0.060 SD: 0.0020 RSD(%): 3.37

Check sample is within range 0.054 - 0.068

T1 ID: CCB Seq. No.: 00033 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 18:16
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Replicate 2 Time: 18:19
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0001 RSD(%): 15.35

Check sample is within range -.010 - 0.010

T1 ID: 1207 Seq. No.: 00034 A/S Pos.: 18 Date: 06/16/94

Replicate 1 Time: 18:21
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 18:24
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0001 RSD(%): 10.02

T1 ID: 1207 Seq. No.: 00035 A/S Pos.: 18 Date: 06/16/94

Replicate 1 Time: 18:26
Peak Area (A-s): 0.033 Peak Height (A): 0.053
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.018

Replicate 2 Time: 18:29
Peak Area (A-s): 0.031 Peak Height (A): 0.054
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.031
Concentration (mg/L): 0.017

Mean Conc (mg/L): 0.017 SD: 0.0007 RSD(%): 4.38

Recovery is 92.1%

T1 ID: 0783 Seq. No.: 00036 A/S Pos.: 17 Date: 06/16/94

Replicate 1 — Time: 18:31
Peak Area (A-s): -0.001 — Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 — Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 — Time: 18:33
Peak Area (A-s): -0.001 — Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 — Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 — SD: 0.0003 — RSD(%): 21.83

Tl ID: 0783 — Seq. No.: 00037 — A/S Pos.: 17 — Date: 06/16/94

Replicate 1 — Time: 18:36
Peak Area (A-s): 0.029 — Peak Height (A): 0.049
Background Pk Area (A-s): 0.027 — Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Replicate 2 — Time: 18:38
Peak Area (A-s): 0.030 — Peak Height (A): 0.050
Background Pk Area (A-s): 0.027 — Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Mean Conc (mg/L): 0.015 — SD: 0.0001 — RSD(%): 0.88

Recovery is 84.1%

Tl ID: 0784 — Seq. No.: 00038 — A/S Pos.: 18 — Date: 06/16/94

Replicate 1 — Time: 18:41
Peak Area (A-s): -0.003 — Peak Height (A): 0.006
Background Pk Area (A-s): 0.006 — Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.003

Replicate 2 — Time: 18:43
Peak Area (A-s): -0.001 — Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 — Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.002 — SD: 0.0010 — RSD(%): 48.00

Tl ID: 0784 — Seq. No.: 00039 — A/S Pos.: 18 — Date: 06/16/94

Replicate 1 — Time: 18:46
Peak Area (A-s): 0.028 — Peak Height (A): 0.045
Background Pk Area (A-s): 0.025 — Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Replicate 2 Time: 18:48
Peak Area (A-s): 0.028 Peak Height (A): 0.047
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.014

Mean Conc (mg/L): 0.014 SD: 0.0008 RSD(%): 5.74

Recovery is 80.8%

Tl ID: 0785 Seq. No.: 00040 A/S Pos.: 19 Date: 06/16/94

Replicate 1 Time: 18:51
Peak Area (A-s): 0.072 Peak Height (A): 0.116
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.072
Concentration (mg/L): 0.039

Replicate 2 Time: 18:53
Peak Area (A-s): 0.074 Peak Height (A): 0.120
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.074
Concentration (mg/L): 0.040

Mean Conc (mg/L): 0.040 SD: 0.0008 RSD(%): 2.11

Tl ID: 0785 Seq. No.: 00041 A/S Pos.: 19 Date: 06/16/94

Replicate 1 Time: 18:56
Peak Area (A-s): 0.097 Peak Height (A): 0.150
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.097
Concentration (mg/L): 0.053

Replicate 2 Time: 18:58
Peak Area (A-s): 0.097 Peak Height (A): 0.154
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.097
Concentration (mg/L): 0.053

Mean Conc (mg/L): 0.053 SD: 0.0001 RSD(%): 0.23

Recovery is 67.6%

Tl ID: 0534 Seq. No.: 00042 A/S Pos.: 20 Date: 06/16/94

Replicate 1 Time: 19:00
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 19:03
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001

Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.001 SD: 0.0002 RSD(%): 11.08

Tl ID: 0834 Seq. No.: 00043 A/S Pos.: 20 Date: 06/16/94

Replicate 1 Time: 19:05
Peak Area (A-s): 0.030 Peak Height (A): 0.054
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.016

Replicate 2 Time: 19:08
Peak Area (A-s): 0.028 Peak Height (A): 0.049
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Mean Conc (mg/L): 0.015 SD: 0.0005 RSD(%): 3.43

Recovery is 83.0%

Tl ID: CCVF Seq. No.: 00044 A/S Pos.: 1 Date: 06/16/94

Replicate 1 Time: 19:10
Peak Area (A-s): 0.113 Peak Height (A): 0.160
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.115
Blank Corrected Pk Area (A-s): 0.113
Concentration (mg/L): 0.062

Replicate 2 Time: 19:12
Peak Area (A-s): 0.113 Peak Height (A): 0.157
Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.113
Concentration (mg/L): 0.062

Mean Conc (mg/L): 0.062 SD: 0.0002 RSD(%): 0.39

Check sample is within range 0.054 - 0.068

Tl ID: CCB Seq. No.: 00045 A/S Pos.: 5 Date: 06/16/94

Replicate 1 Time: 19:15
Peak Area (A-s): -0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.002

Replicate 2 Time: 19:17
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0005 RSD(%): 24.90

Check sample is within range -.010 - 0.010

Tl ID: 0838(1:20) Seq. No.: 00046 A/S Pos.: 21 Date: 06/18/94

Replicate 1 Time: 19:20
Peak Area (A-s): 0.048 Peak Height (A): 0.069
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.043
Concentration (mg/L): 0.023

Replicate 2 Time: 19:22
Peak Area (A-s): 0.042 Peak Height (A): 0.067
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.042
Concentration (mg/L): 0.022

Mean Conc (mg/L): 0.023 SD: 0.0004 RSD(%): 1.76

Tl ID: 0835(1:20) Seq. No.: 00047 A/S Pos.: 21 Date: 06/18/94

Replicate 1 Time: 19:25
Peak Area (A-s): 0.075 Peak Height (A): 0.119
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.101
Blank Corrected Pk Area (A-s): 0.076
Concentration (mg/L): 0.041

Replicate 2 Time: 19:27
Peak Area (A-s): 0.077 Peak Height (A): 0.116
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.102
Blank Corrected Pk Area (A-s): 0.076
Concentration (mg/L): 0.042

Mean Conc (mg/L): 0.041 SD: 0.0001 RSD(%): 0.34

Recovery is 93.6%

Tl ID: 0817 Seq. No.: 00048 A/S Pos.: 22 Date: 06/18/94

Replicate 1 Time: 19:29
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000

Replicate 2 Time: 19:32
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000

Mean Conc (mg/L): -0.000 SD: 0.0003 RSD(%): 120.89

Tl ID: 0817 Seq. No.: 00049 A/S Pos.: 22 Date: 06/18/94

Replicate 1 Time: 19:34

Peak Area (A-s): 0.026
Background Pk Area (A-s): 0.021
Blank Corrected Pk Area (A-s): 0.025
Concentration (mg/L): 0.013

Peak Height (A): 0.050
Background Pk Height (A): 0.043

Replicate 2
Peak Area (A-s): 0.024
Background Pk Area (A-s): 0.021
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.012

Time: 19:37
Peak Height (A): 0.048
Background Pk Height (A): 0.043

Mean Conc (mg/L): 0.013 SD: 0.0007 RSD(%): 5.55

Recovery is 64.7%

Tl ID: 0518 Seq. No.: 00050 A/S Pos.: 23 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Time: 19:39
Peak Height (A): 0.006
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): -0.004
Background Pk Area (A-s): 0.008
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.003

Time: 19:42
Peak Height (A): 0.007
Background Pk Height (A): 0.007

Mean Conc (mg/L): -0.002 SD: 0.0011 RSD(%): 47.54

Tl ID: 0518 Seq. No.: 00051 A/S Pos.: 23 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.029
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Time: 19:44
Peak Height (A): 0.059
Background Pk Height (A): 0.048

Replicate 2
Peak Area (A-s): 0.027
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.014

Time: 19:47
Peak Height (A): 0.057
Background Pk Height (A): 0.047

Mean Conc (mg/L): 0.015 SD: 0.0009 RSD(%): 6.38

Recovery is 84.9%

Tl ID: 0518 Seq. No.: 00052 A/S Pos.: 24 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Time: 19:49
Peak Height (A): 0.006
Background Pk Height (A): 0.006

Replicate 2 Time: 19:52
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.002 SD: 0.0008 RSD(%): 33.31

T1 ID: 0519 Seq. No.: 00053 A/S Pos.: 24 Date: 06/16/94

Replicate 1 Time: 19:54
Peak Area (A-s): 0.028 Peak Height (A): 0.058
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Replicate 2 Time: 19:57
Peak Area (A-s): 0.029 Peak Height (A): 0.056
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Mean Conc (mg/L): 0.015 SD: 0.0005 RSD(%): 3.01

Recovery is 88.9%

T1 ID: 0520 Seq. No.: 00054 A/S Pos.: 25 Date: 06/16/94

Replicate 1 Time: 19:59
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 20:02
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0008 RSD(%): 35.83

T1 ID: 0520 Seq. No.: 00055 A/S Pos.: 25 Date: 06/16/94

Replicate 1 Time: 20:04
Peak Area (A-s): 0.025 Peak Height (A): 0.055
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.024
Concentration (mg/L): 0.013

Replicate 2 Time: 20:07
Peak Area (A-s): 0.027 Peak Height (A): 0.053
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.014

Mean Conc (mg/L): 0.013 SD: 0.0010 RSD(%): 7.52

Recovery is 74.7%

Tl ID: CCV5 Seq. No.: 00056 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Time: 20:09
Peak Area (A-s): 0.115
Peak Height (A): 0.165
Background Pk Area (A-s): 0.105
Background Pk Height (A): 0.155
Blank Corrected Pk Area (A-s): 0.114
Concentration (mg/L): 0.063

Replicate 2
Time: 20:12
Peak Area (A-s): 0.118
Peak Height (A): 0.172
Background Pk Area (A-s): 0.105
Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.116
Concentration (mg/L): 0.063

Mean Conc (mg/L): 0.063 SD: 0.0006 RSD(%): 0.94

Check sample is within range 0.054 - 0.066

Tl ID: CCB Seq. No.: 00057 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Time: 20:14
Peak Area (A-s): -0.001
Peak Height (A): 0.007
Background Pk Area (A-s): 0.003
Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2
Time: 20:16
Peak Area (A-s): -0.001
Peak Height (A): 0.006
Background Pk Area (A-s): 0.002
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0001 RSD(%): 4.12

Check sample is within range -.010 - 0.010

Tl ID: 0521 Seq. No.: 00058 A/S Pos.: 26 Date: 06/16/94

Replicate 1
Time: 20:19
Peak Area (A-s): 0.001
Peak Height (A): 0.007
Background Pk Area (A-s): 0.002
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000

Replicate 2
Time: 20:21
Peak Area (A-s): 0.000
Peak Height (A): 0.007
Background Pk Area (A-s): 0.003
Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0003 RSD(%): 49.30

Tl ID: 0821 Seq. No.: 00059 A/S Pos.: 26 Date: 08/16/94

Replicate 1 Time: 20:24
Peak Area (A-s): 0.032 Peak Height (A): 0.053
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.032
Concentration (mg/L): 0.017

Replicate 2 Time: 20:26
Peak Area (A-s): 0.028 Peak Height (A): 0.050
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Mean Conc (mg/L): 0.016 SD: 0.0011 RSD(%): 7.10

Recovery is 82.7%

Tl ID: 0822 Seq. No.: 00060 A/S Pos.: 27 Date: 08/16/94

Replicate 1 Time: 20:29
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Replicate 2 Time: 20:31
Peak Area (A-s): -0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0004 RSD(%): 29.89

Tl ID: 0822 Seq. No.: 00061 A/S Pos.: 27 Date: 08/16/94

Replicate 1 Time: 20:34
Peak Area (A-s): 0.028 Peak Height (A): 0.053
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Replicate 2 Time: 20:37
Peak Area (A-s): 0.027 Peak Height (A): 0.056
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.027
Concentration (mg/L): 0.014

Mean Conc (mg/L): 0.014 SD: 0.0005 RSD(%): 3.20

Recovery is 77.9%

Tl ID: 0823 Seq. No.: 00062 A/S Pos.: 28 Date: 08/16/94

Replicate 1 Time: 20:39

Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Peak Height (A): 0.006
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Time: 20:42
Peak Height (A): 0.006
Background Pk Height (A): 0.007

Mean Conc (mg/L): -0.001 SD: 0.0005 RSD(%): 42.21

Tl ID: 0523 Seq. No.: 00063 A/S Pos.: 28 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.029
Background Pk Area (A-s): 0.027
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Time: 20:44
Peak Height (A): 0.059
Background Pk Height (A): 0.052

Replicate 2
Peak Area (A-s): 0.031
Background Pk Area (A-s): 0.026
Blank Corrected Pk Area (A-s): 0.031
Concentration (mg/L): 0.018

Time: 20:47
Peak Height (A): 0.061
Background Pk Height (A): 0.049

Mean Conc (mg/L): 0.018 SD: 0.0007 RSD(%): 4.69

Recovery is 93.8%

Tl ID: 0524 Seq. No.: 00064 A/S Pos.: 29 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.002
Blank Corrected Pk Area (A-s): 0.001
Concentration (mg/L): -0.000

Time: 20:49
Peak Height (A): 0.006
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Time: 20:52
Peak Height (A): 0.006
Background Pk Height (A): 0.006

Mean Conc (mg/L): -0.001 SD: 0.0014 RSD(%): 117.16

Tl ID: 0524 Seq. No.: 00065 A/S Pos.: 29 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.032
Background Pk Area (A-s): 0.032
Blank Corrected Pk Area (A-s): 0.032
Concentration (mg/L): 0.017

Time: 20:54
Peak Height (A): 0.057
Background Pk Height (A): 0.051

Replicate 2

Time: 20:57

Peak Area (A-s): 0.039
Background Pk Area (A-s): 0.030
Blank Corrected Pk Area (A-s): 0.033
Concentration (mg/L): 0.018

Peak Height (A): 0.058
Background Pk Height (A): 0.048

Mean Conc (mg/L): 0.017 SD: 0.0005 RSD(%): 3.14

Recovery is 92.1%

Tl ID: 0525 Seq. No.: 00066 A/S Pos.: 30 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.014
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Time: 20:59
Peak Height (A): 0.007
Background Pk Height (A): 0.010

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.013
Blank Corrected Pk Area (A-s): 0.000
Concentration (mg/L): -0.001

Time: 21:02
Peak Height (A): 0.006
Background Pk Height (A): 0.009

Mean Conc (mg/L): -0.001 SD: 0.0008 RSD(%): 58.01

Tl ID: 0525 Seq. No.: 00067 A/S Pos.: 30 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.032
Background Pk Area (A-s): 0.041
Blank Corrected Pk Area (A-s): 0.031
Concentration (mg/L): 0.017

Time: 21:04
Peak Height (A): 0.053
Background Pk Height (A): 0.047

Replicate 2
Peak Area (A-s): 0.030
Background Pk Area (A-s): 0.039
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Time: 21:07
Peak Height (A): 0.053
Background Pk Height (A): 0.046

Mean Conc (mg/L): 0.016 SD: 0.0010 RSD(%): 6.22

Recovery is 87.9%

Tl ID: CCVF Seq. No.: 00068 A/S Pos.: 4 Date: 06/16/94

Replicate 1
Peak Area (A-s): 0.092
Background Pk Area (A-s): 0.077
Blank Corrected Pk Area (A-s): 0.091
Concentration (mg/L): 0.050

Time: 21:09
Peak Height (A): 0.135
Background Pk Height (A): 0.114

Replicate 2
Peak Area (A-s): 0.103
Background Pk Area (A-s): 0.090
Blank Corrected Pk Area (A-s): 0.103
Concentration (mg/L): 0.056

Time: 21:12
Peak Height (A): 0.152
Background Pk Height (A): 0.131

Mean Conc (mg/L): 0.063 SD: 0.0047 RSD(%): 8.77

Check sample is out of range 0.054 - 0.068

Tl ID: CC3 Seq. No.: 00069 A/S Pos.: 6 Date: 06/16/94

Replicate 1 Time: 21:14
Peak Area (A-s): -0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): -0.004
Concentration (mg/L): -0.003

Replicate 2 Time: 21:16
Peak Area (A-s): -0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0009 RSD(%): 35.91

Check sample is within range -.010 - 0.010

Tl ID: 0828 Seq. No.: 00070 A/S Pos.: 31 Date: 06/16/94

Replicate 1 Time: 21:19
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Replicate 2 Time: 21:21
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0002 RSD(%): 19.64

Tl ID: 0828 Seq. No.: 00071 A/S Pos.: 31 Date: 06/16/94

Replicate 1 Time: 21:24
Peak Area (A-s): 0.028 Peak Height (A): 0.046
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Replicate 2 Time: 21:26
Peak Area (A-s): 0.028 Peak Height (A): 0.046
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.026
Concentration (mg/L): 0.014

Mean Conc (mg/L): 0.014 SD: 0.0006 RSD(%): 4.38

Recovery is 77.2%

Tl ID: 0527 Seq. No.: 00072 A/S Pos.: 32 Date: 06/16/94

Replicate 1 Time: 21:29
Peak Area (A-s): 0.055 Peak Height (A): 0.096
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.055
Concentration (mg/L): 0.030

Replicate 2 Time: 21:31
Peak Area (A-s): 0.056 Peak Height (A): 0.097
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.056
Concentration (mg/L): 0.030

Mean Conc (mg/L): 0.030 SD: 0.0004 RSD(%): 1.32

Tl ID: 0527 Seq. No.: 00073 A/S Pos.: 32 Date: 06/16/94

Replicate 1 Time: 21:34
Peak Area (A-s): 0.100 Peak Height (A): 0.150
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): 0.100
Concentration (mg/L): 0.055

Replicate 2 Time: 21:36
Peak Area (A-s): 0.086 Peak Height (A): 0.136
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): 0.086
Concentration (mg/L): 0.047

Mean Conc (mg/L): 0.051 SD: 0.0055 RSD(%): 10.80

Recovery is 103.9%

Tl ID: 0528 Seq. No.: 00074 A/S Pos.: 33 Date: 06/16/94

Replicate 1 Time: 21:39
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.002

Replicate 2 Time: 21:41
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (mg/L): -0.002

Mean Conc (mg/L): -0.002 SD: 0.0001 RSD(%): 5.49

Tl ID: 0528 Seq. No.: 00075 A/S Pos.: 33 Date: 06/16/94

Replicate 1 Time: 21:44
Peak Area (A-s): 0.030 Peak Height (A): 0.056
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.048

Blank Corrected Pk Area (A-s): 0.030
Concentration (mg/L): 0.016

Replicate 2 Time: 21:46
Peak Area (A-s): 0.028 Peak Height (A): 0.049
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.028
Concentration (mg/L): 0.015

Mean Conc (mg/L): 0.015 SD: 0.0006 RSD(%): 3.35

Recovery is 84.1%

Tl ID: 0529 Seq. No.: 00076 A/S Pos.: 34 Date: 06/16/94

Replicate 1 Time: 21:48
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Replicate 2 Time: 21:51
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.000
Concentration (mg/L): -0.001

Mean Conc (mg/L): -0.001 SD: 0.0000 RSD(%): 0.51

Tl ID: 0529 Seq. No.: 00077 A/S Pos.: 34 Date: 06/16/94

Replicate 1 Time: 21:53
Peak Area (A-s): 0.029 Peak Height (A): 0.052
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.029
Concentration (mg/L): 0.015

Replicate 2 Time: 21:56
Peak Area (A-s): 0.023 Peak Height (A): 0.044
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.023
Concentration (mg/L): 0.012

Mean Conc (mg/L): 0.014 SD: 0.0024 RSD(%): 17.79

Recovery is 72.8%

Tl ID: CCVF Seq. No.: 00078 A/S Pos.: 4 Date: 06/16/94

Replicate 1 Time: 21:58
Peak Area (A-s): 0.103 Peak Height (A): 0.150
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.125
Blank Corrected Pk Area (A-s): 0.103
Concentration (mg/L): 0.056

Replicate 2 Time: 22:01

Peak Area (A-s): 0.117
Background Pk Area (A-s): 0.089
Blank Corrected Pk Area (A-s): 0.117
Concentration (mg/L): 0.084

Peak Height (A): 0.180
Background Pk Height (A): 0.136

Mean Conc (mg/L): 0.080 SD: 0.0084 RSD(%): 9.01

Check sample is within range 0.064 - 0.066

T1 ID: CCB Seq. No.: 00079 A/S Pos.: 5 Date: 06/16/94

Replicate 1
Peak Area (A-s): -0.001
Background Pk Area (A-s): 0.002
Blank Corrected Pk Area (A-s): -0.001
Concentration (mg/L): -0.001

Time: 22:03
Peak Height (A): 0.007
Background Pk Height (A): 0.006

Replicate 2
Peak Area (A-s): -0.003
Background Pk Area (A-s): 0.004
Blank Corrected Pk Area (A-s): -0.003
Concentration (mg/L): -0.003

Time: 22:05
Peak Height (A): 0.007
Background Pk Height (A): 0.007

Mean Conc (mg/L): -0.002 SD: 0.0009 RSD(%): 45.97

Check sample is within range -.010 - 0.010

RECRA ENVIRONMENTAL, INC.
NY ENVIRONMENTAL TESTING SERVICES
MERCURY LOG

CLP

Date/ Analyst	Job	Sample	Dup/ Spk	Wt.(g)/ Vol(mℓ)	BOD	ABS Value	Final Hg Concentration mg/ℓ or µg/g
6·3·94		Blk (Stds)				4	START 0710
RKS PEF		0.05				4	
		0.1				—	
		0.2				122	
		0.5				302	
		1.0				560	
		HgQC		30	A	135	0.0078
		Blank		100	B	4	<0.0002 PEF
	94-2479	B4018006			1	4	<0.0002 PEF
		+ 0.1	Spk		2	54	0.0009
		8006	Dup		3	4	<0.0002
	94-2668	B4019901			4	4	<0.0002
-	94-2654	B4020303			5	4	<0.0002
0786	94-2519	A4251901			6	4	<0.0002
	94-2529	B4019101			7	4	<0.0002
	94-2572	B4018702			8	4	<0.0002
		8703			9	4	<0.0002
	94-2629	A4262901			10	4	<0.0002
CCVP1		Hg QC		30	C	120	0.0069
CCB1		Blank		100	D	4	<0.0002
		Blk (Stds)				4	<0.0002 PEF
		0.05				25	
		0.1				58	
		0.2				119	

cont on p 169

Ron 6-4-94 PEF

RECRA ENVIRONMENTAL INC.

RECRA ENVIRONMENTAL, INC.
NY ENVIRONMENTAL TESTING SERVICES
MERCURY LOG

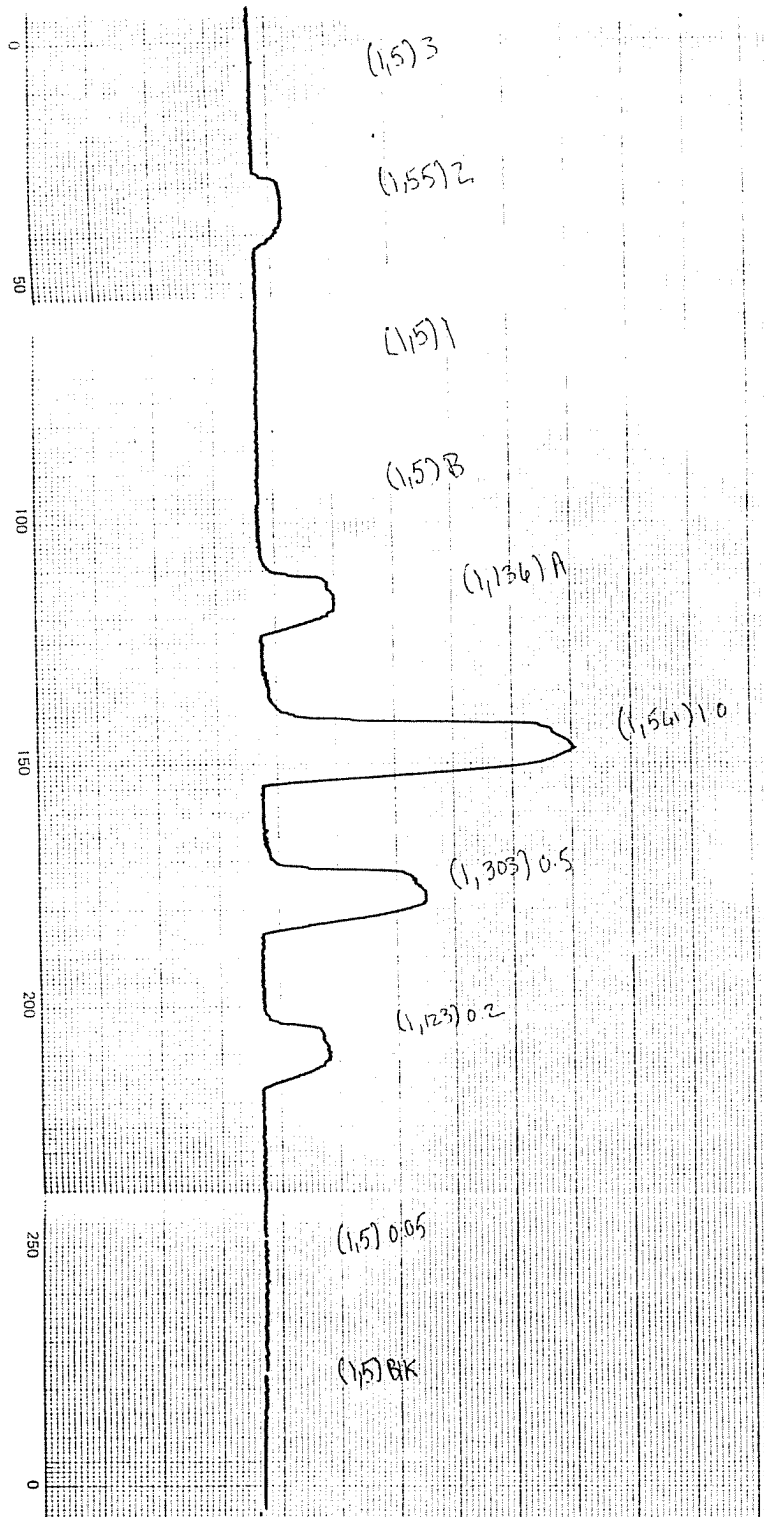
Start: 950
Stop: 10:10

CLP

Date/ Analyst	Job	Sample	Dup/ Spk	Wt.(g)/ Vol(mℓ)	BOD	ABS Value	Final Hg Concentration mg/ℓ or µg/g
6/3/14		0.5 (stds)				288	
JCB/PEF		1.0 ↓				987	
PBW1		prep blank		100	11	4	<0.0002
	94-2051	A4205101		100	12	4	<0.0002
	(TCLP)	5102		100	13	4	<0.0002
		5103		100	14	4	<0.0002
		+0.1	SPK	100	15	66	0.0011 110%
		5103	DUP	100	16	4	<0.0002
		5104		100	17	4	<0.0002
		Mtd BLK I-0488		100	18	4	<0.0002 PEF
CCVP2		Hg QC		30	E	134	0.0077
CCB2		blank		100	F	4	<0.0002
-	-	blk (stds)				4	
		0.05				30	
		0.1				59	
		0.2				127	
		0.5				271	
		1.0				559	
							END 10:10

Ran 6-4-14 RF

RECRA ENVIRONMENTAL INC.



	BIK	0.05	0.1	0.2	0.5	1.0
	4	XPEF	XPEF	122	302	560
	4	25	58	119	288	~~288~~ PEF
	4	30	59	127	271	559
$\bar{X}$	4	27.5	58.5	122.67	287	559.5
σ	0	2.5	0.5	3.2998	12.675	0.5
$\bar{X}\sigma$	3.2458					
$2(\bar{X}\sigma)$	6.4916					
Corr.	0.9998					
DL	15					

PEF
6-4-94
CIP
exp=2.0
10 mV
SPEED = 0.5 mm/sec
+/- 0.5 pc

Start 9:10
STOP 10:10

Run PEF 6-4-94

CPP/0023/00

(1,5) D
(1,121) C
(1,5) 10
(1,5)9
(1,5)8
(1,5)7
(1,5)6
(1,5)5
(1,5)4
(1,5)3
(1,55)2
(1,5)1
(1,5)B
(1,136) A
(1,56) 10
50
100
150
200
250
0
50
100
150

CPD0002000

(1,5) 12
(1,5) 11
(1,787) 1.0
(1,288) 0.5
(1,120) 0.2
(1,57) 0.1
(1,26) 0.05
(1,5) BLK
(1,5) A
(1,121) C
(1,5) 10
(1,5) 9
(1,5) 8
(1,5) 7
(1,5) 6
150
200
250
0
50
100
150
200
250

CFB0003400

(1,5) BLK
(1,5) F
(1,134) E
(1,5) 18
(1,5) 17
(1,5) 16
(1,67) 15
(1,5) 14
(1,5) 13
(1,5) 12
(1,5) 11
(1,987) 1.0
(1,288) 0.5
(1,120) 0.2
(1,59) 0.1
250
0
50
100
150
200
250
0

CLP METALS DIGESTION LOG
NYETS

DATE	ANALYST	JOB #	SAMPLE I.D.	DIGESTION NUMBER	INITIAL WEIGHT (gms)	INITIAL VOLUME (mls)	FINAL VOLUME (mls)	MATRIX	COLOR BEFORE/AFTER	CLARITY BEFORE/AFTER	TEXTURE
5/31/94	MK	2533	B401 9010 A+F	0702	0.9970 1.0076		200	soil	Black / yellow colorless	clear	Coarse
	1700 2000		9011	0703	1.0480 1.0480						
			9012	0704	1.0141 0.9861						
			9013	0705	1.0200 0.9846						
			9014	0706	1.0112 1.0111				colorless		
			9015	0708	0.9800 1.0432						
			BLK	0709	—				colorless	clear	—
			218 CLP soil	0710	1.0133 1.0180				Brown		fine
6/1/94	KW	2479	B401 8006 A+F	0783		100	100	water	colorless / colorless	clear / clear	
	0830 1300		DUP	0784							
			SPK	0785							
		2519	A425 1901	0786							
		2529	B401 9101	0787							
		2051	A420 5101	0788				TCLP			
			5102	0789							
			5103	0790							
			DUP	0791							

TERMINOLOGY:

COLOR: Red, Blue, Yellow, Green, Orange, Violet, White, Brown, Gray, Black, Colorless

CLARITY: Clear, Cloudy, Opaque

TEXTURE: Fine (powdery), Medium (sand), Coarse (large crystals or rocks)

1009

CLP METALS DIGESTION LOG
NYETS

DATE	ANALYST	JOB #	SAMPLE I.D.	DIGESTION NUMBER	INITIAL WEIGHT (gms)	INITIAL VOLUME (mls)	FINAL VOLUME (mls)	MATRIX	COLOR BEFORE/AFTER	CLARITY BEFORE/AFTER	TEXTURE
6/1/94	KW	2051	ATF SPK	0792		100	100	TCLP	colorless / colorless	clear / clear	
	0830 1300		A420 5104	0793							
		~~2428~~	~~A424 2801~~	~~0794~~							
			DUP	0795							
			SPK	0796		VOID			KW 6/1/94		
			2804	0797							
			2805	0798							
		2145	A421 4509	0799					colorless / colorless	clear / clear	
		2084	A420 8428	0800							
			J-0488 METHOD BLK	0801							
			BLK	0802							
			Wa100	0803							
			R-1	0804							
			R-2	0805							
			Min-R Aanly	0806							
06-01-94	MK	2534	B401 ATF 8501	0807	1.0242 1.0077		200	soil	brown	clear	medium
	1700 2000		8502	0808	1.0000 1.0000				gray		

TERMINOLOGY:

COLOR: Red, Blue, Yellow, Green, Orange, Violet, White, Brown, Gray, Black, Colorless

CLARITY: Clear, Cloudy, Opaque

TEXTURE: Fine (powdery), Medium (sand), Coarse (large crystals or rocks)