WESTON MANAGERS DESIGNERS/CONSULTANTS

CLIENT/SUBJECT Dechalloy W.O. NO. _____

TASK DESCRIPTION Lab Batch #9503G001 TASK NO. _____

PREPARED BY Linda Korobka DEPT _____ DATE 4/26/95

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY _____ DEPT _____ DATE _____

Inorganic : Total Suspended Solids

1. Samples	Lab ID	Matrix	Date Collected	Date Prep	Date Analyzed
TC2-CP11-GWS	001	water	3/28/95	4/3/95	4/3/95
TC2-CP11-GWD	003	water	3/28/95	4/3/95	4/3/95
TC2-CP12-GWS	005	water	3/28/95	4/3/95	4/3/95
TC2-CP12-GWD	007	water	3/28/95	4/3/95	4/3/95
TC2-CP12-GWD-DP	009	water	3/28/95	4/3/95	4/3/95
TC2-CP13-GWS	011	water	3/27/95	3/31/95	3/31/95
TC2-CP13-GWD	013	water	3/27/95	3/31/95	3/31/95
TC2-CP11-GWD-FB	015	water	3/28/95	4/3/95	4/3/95
TC2-CP11-SBS	017	water	3/28/95	3/30/95	3/30/95
TC2-CP11-SBD	018	water	3/28/95	3/30/95	3/30/95
TC2-CP12-SBS	019	water	3/28/95	3/30/95	3/30/95
TC2-CP12-SBD	020	water	3/28/95	3/30/95	3/30/95
TC2-CP13-SBS	021	water	3/27/95	3/30/95	3/30/95
TC2-CP13-SBD	022	water	3/27/95	3/30/95	3/30/95

2. Holding Time

All Samples were prepared and analyzed within the required holding time.

3. Blanks

The method blanks associated with these samples were free of Contamination.

4. Matrix Spike

The matrix spike recoveries were outside the QC limits (1065% and 3484%). However, this was acceptable because the original result was greater than four times the matrix spike concentration.

5. Duplicates

The duplicate Relative Percent Differences were

US EPA RECORDS CENTER REGION 5
1000379

CLIENT/SUBJECT Pechalloy W.O. NO.

TASK DESCRIPTION Lab Batch #9503G001 TASK NO.

PREPARED BY Linda Krobka DEPT DATE 4/26/95

MATH CHECK BY DEPT DATE

METHOD REV. BY DEPT DATE

APPROVED BY

DEPT DATE

Inorganic: Total Suspended Solids (Continued)

5. Duplicates (Continued)
outside the QC limit. Therefore, all Total Suspended Solids results were qualified as estimated (J).

6. Laboratory Control Sample
All laboratory control sample results were acceptable.

CLIENT/SUBJECT Techalloy W.O. NO.

TASK DESCRIPTION Lab Batch # 9503G001 TASK NO.

PREPARED BY Linda Krobka DEPT DATE 4/27/95

MATH CHECK BY DEPT DATE

METHOD REV. BY DEPT DATE

APPROVED BY

DEPT DATE

Inorganics: Total Metals

1. Samples	Lab ID	Matrix	Date Collected	Date Prep	Date Analyzed
TC2-CP11-GWS-T	001	water	3/28/95	4/3; 4/4	4/3; 4/5; 4/6
TC2-CP11-GWS-S	002	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP11-GWD-T	003	water	3/28/95	3/30; 4/4	3/30; 4/5; 4/6
TC2-CP11-GWD-S	004	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP12-GWS-T	005	water	3/28/95	3/30; 4/4	3/30; 4/5; 4/6
TC2-CP12-GWS-S	006	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP12-GWD-T	007	water	3/28/95	3/30; 4/4	3/30; 4/5; 4/6
TC2-CP12-GWD-S	008	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP12-GWD-DP-T	009	water	3/28/95	3/30; 4/4	3/30; 4/5; 4/6
TC2-CP12-GWD-DP-S	010	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP13-GWS-T	011	water	3/27/95	3/30; 4/4	3/30; 4/4; 4/5; 4/6
TC2-CP13-GWS-S	012	water	3/27/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP13-GWD-T	013	water	3/27/95	3/30; 4/4	3/30; 4/5; 4/6
TC2-CP13-GWD-S	014	water	3/27/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP11-GWD-FB-T	015	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP11-GWD-FB-S	016	water	3/28/95	3/30; 4/4	3/30; 4/4; 4/5
TC2-CP11-SBS-T	017	soil	3/28/95	3/30/95	3/30; 3/31
TC2-CP11-SBD-T	018	soil	3/28/95	3/30/95	3/30; 3/31
TC2-CP12-SBS-T	019	soil	3/28/95	3/30/95	3/30; 3/31
TC2-CP12-SBD-T	020	soil	3/28/95	3/30/95	3/30; 3/31
TC2-CP13-SBS	021	soil	3/27/95	3/30/95	3/30; 3/31
TC2-CP13-SBD	022	soil	3/27/95	3/30/95	3/30; 3/31

2. Holding Times

All samples were prepared and analyzed within the required holding time.

3. Initial and Continuing Calibration Verification

All initial and continuing calibration verification results were acceptable.

CLIENT/SUBJECT Techalloy W.O. NO.

TASK DESCRIPTION Lab Batch #9503G001 TASK NO.

PREPARED BY Linda Korabka DEPT DATE 4/27/95

MATH CHECK BY DEPT DATE

METHOD REV. BY DEPT DATE

APPROVED BY

DEPT DATE

Inorganics: Total Metals (Continued)

4. Blanks

The following metal blanks showed contamination that affected investigative samples:

Continuing calibration blank for barium affected sample 015.

Continuing calibration blank for beryllium affected samples 017 through 022.

Continuing calibration blank for chromium affected sample 012.

Continuing calibration blank for cobalt affected samples 006, 008 and 010.

Continuing calibration blanks for nickel affected samples 002, 004, 006, 008, 010, 012, 014, 015 and 016.

Continuing calibration blank for tin affected samples 017 and 021

Continuing calibration blank for vanadium affected sample 012.

Continuing calibration blank for zinc affected samples 012 and 014.

As a result, the metals in the samples listed above were qualified as estimated (J).

5. Matrix Spike

The total metals water matrix spike recoveries for antimony (0%), arsenic (0%) and thallium (26.4%) were outside the QC limits. Therefore, the following antimony results were qualified (R) unusable, samples 001, 003, 007, 011 and 015. Samples 005, 009 and 013 were qualified as estimated (J) for antimony. Samples 001, 003 and 015 were qualified unusable (R) for arsenic. Also, ~~v~~ arsenic samples 005, 007, 009, 011 and 013 were qualified as estimated (J). Samples 001, 003, 005, 009, 011, 013 and 015 were qualified unusable (R) for thallium. Also, sample 007 was qualified as estimated (J) for thallium.

CLIENT/SUBJECT Pechaloy W.O. NO.

TASK DESCRIPTION Lab Batch # 9503G001 TASK NO.

PREPARED BY Linda Krobka DEPT DATE 4/27/95

MATH CHECK BY DEPT DATE

METHOD REV. BY DEPT DATE

APPROVED BY

DEPT DATE

Inorganics: Total Metals (Continued)

5. Matrix Spike (Continued)

The water total metals matrix spike recoveries for cadmium (140.8%), mercury (152.2%), selenium (139%) and silver (67.2%) were outside the QC limits. Therefore, all water total metals results for cadmium, mercury, selenium, and silver in samples 001, 003, 005, 007, 009, 011, 013 and 015 were qualified as estimated (J).

The water soluble metals matrix spike recovery for selenium (68.6%) was outside the QC limits. Therefore, the water soluble selenium results in samples 002, 004, 006, 008, 010, 012, 014 and 016 were qualified as estimated (J).

The soil total metals matrix spike recoveries for antimony (34.2%) and arsenic (62%) were outside the QC limits. Therefore, the soil total metals antimony and arsenic results in samples 017-022 were qualified as estimated (J).

6. Duplicates

The total metals water mercury (20.9% RPD) and lead (162.8% RPD) duplicate results were outside the QC limits. Therefore, all mercury and lead results in samples 001, 003, 005, 007, 009, 011, 013 and 015 were qualified as estimated (J).

All water soluble metals duplicate results were acceptable.

The soil total metals duplicate results for lead (20.7% RPD) were outside the QC limits. Therefore, all soil lead results were qualified as estimated (J).

CLIENT/SUBJECT Rechalloy W.O. NO.

TASK DESCRIPTION Lab Batch # 9503G001 TASK NO.

PREPARED BY Linda Korobka DEPT DATE 4/28/95

MATH CHECK BY DEPT DATE

METHOD REV. BY DEPT DATE

APPROVED BY

DEPT DATE

Inorganics: Total Metals (Continued)

7. Laboratory Control Standards

The soil silver laboratory control results were outside the QC limits. Therefore, all soil silver results were qualified as estimated (J).

8. ICP Serial Dilution

All ICP serial dilution results were acceptable.

WESTON MANAGERS DESIGNERS/CONSULTANTS

SHEET 1 of 5

CLIENT/SUBJECT Pechalloy W.O. NO. _____

TASK DESCRIPTION Lab Batch # 9503G001 TASK NO. _____

PREPARED BY Linda Korobka DEPT _____ DATE 4/28/95

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY _____ DEPT _____ DATE _____

Volatiles

1. Samples

Lab ID	Matrix	Date Collected	Date Analyzed
TC2-CP11-GWS	001	water	3/28/95	4/9/95
TC2-CP11-GWD	003	water	3/28/95	4/10/95
TC2-CP12-GWS	005	water	3/28/95	4/10/95
TC2-CP12-GWD	007	water	3/28/95	4/10/95
TC2-CP12-GWD-DP	009	water	3/28/95	4/10/95
TC2-CP13-GWS	011	water	3/27/95	4/10/95
TC2-CP13-GWS	011 D1	water	3/27/95	4/11/95
TC2-CP13-GWS	011 D2	water	3/27/95	4/12/95
TC2-CP13-GWD	013	water	3/27/95	4/10/95
TC2-CP11-GWD-FB	015	water	3/28/95	4/11/95
TC2-CP11-GWD-FB	015 R1	water	3/28/95	4/12/95
TC2-CP11-SBS	017	soil	3/28/95	4/5/95
TC2-CP11-SBD	018	soil	3/28/95	4/10/95
TC2-CP12-SBS	019	soil	3/28/95	4/10/95
TC2-CP12-SBD	020	soil	3/28/95	4/10/95
TC2-CP13-SBS	021	soil	3/27/95	4/10/95
TC2-CP13-SBD	022	soil	3/27/95	4/10/95

2. Holding Times

All volatile samples were analyzed within the required holding time except samples 011-D1, 011-D2 and 015-R1. Samples 011-D1 and 015-R1 were analyzed one day past holding time while sample 011-D2 was analyzed two days past holding time. Therefore, volatile results for samples 011-D1, 011-D2 and 015-R1 were qualified as estimated (J).

3. Blanks

Five method blanks (95GVB076-MB1, 95GVB079-MB1, 95GVB080-MB1, 95GVF083-MB1 and 95GVF087-MB1) were associated with these samples.

Volatiles (Continued)

3. Blanks (Continued)

Methylene chloride at 3 ug/kg and acetone at 48 ug/kg were detected in method blank 95GVF083-MB1. As a result, acetone results in sample TC2-CP11-SBS were qualified "U".

Acetone at 5 ug/kg was detected in method blank 95GVF087-MB1. As a result, acetone results in sample TC2-CP13-SBS were qualified "U".

4. Surrogates

The surrogate spike recovery of toluene-d8 (127%) in sample TC2-CP13-GWS was outside the QC limits.

The surrogate spike recoveries of 4-bromofluorobenzene (123%) and 1,2-Dichloroethane-d4 (136%) in sample TC2-CP13-GWS were outside the QC limits. As a result, all volatile results for sample TC2-CP13-GWS were qualified as estimated (J).

The surrogate spike recovery of 1,2-Dichloroethane-d4 (116%) in sample TC2-CP11-GWD-FB was outside the QC limits. Therefore, all volatile results for sample TC2-CP11-GWD-FB were qualified as estimated (J).

5. Matrix Spike/Matrix Spike Duplicate

Samples TC2-CP11-GWS and TC2-CP11-SBS were used for matrix spike/matrix spike duplicate audits. All matrix spike/matrix spike duplicate results in both samples were acceptable.

6. Initial and Continuing Calibration

The initial calibration file for samples 001, 003, 005, 007, 009, 011, 013, 015, 011DL1, 015RE, and 011DL2 showed acetone (56%), trichlorofluoromethane (53.8%), 1,1,1,2-tetrachloroethane (39.3%), 1,2,3-trichloropropane (31.8%),

Volatiles (Continued)

6. Initial and Continuing Calibration (Continued)

ethyl methacrylate (30.6%) and pentachloroethane (33.5%) with % RSDs outside the QC limits.

The continuing calibration file for samples 001, 003, 005, 007, 009, 011 and 013 showed trichlorofluoromethane (36.8%D), dichlorodifluoromethane (29%D), acrolein (30.7%D), acetone (44.1%D), 2-butanone (34.1%D), trichloroethane (25.2%D), 4-methyl-2-pentanone (34.4%D), 2-hexanone (41.1%D) and 1,1,1,2-tetrachloroethane (32.3%D) with % differences outside the QC limits.

Therefore, samples 001, 003, 005, 007, 009, 011 and 013 were qualified as estimated (J) for trichlorofluoromethane, dichlorodifluoromethane, acrolein, acetone, 2-butanone, trichloroethane, 4-methyl-2-pentanone, 2-hexanone and 1,1,1,2-tetrachloroethane.

The continuing calibration file for samples 015 and 011DL1 showed chloroethane (31.1%D), acetone (36.3%D), carbon disulfide (27.2%D), 1,2-dichloroethane (33.8%D), 1,1,2,2-tetrachloroethane (25.6%D), and trichlorofluoromethane (38.8%D) with % differences outside the QC limits.

Therefore, samples 015 and 011DL1 were qualified as estimated (J) for chloroethane, acetone, carbon disulfide, 1,2-dichloroethane, 1,1,2,2-tetrachloroethane and trichlorofluoromethane.

The continuing calibration file for samples 015RE and 011DL2 showed 1,2-dichloroethane (26.0%), trichlorofluoromethane (34.3%D), dichlorodifluoromethane (45.2%D) and isobutanol (36.4%D) with % differences outside the QC limits.

Therefore, samples 015RE and 011DL2 were qualified as estimated (J) for 1,2-dichloroethane,

Volatiles (Continued)

6. Initial and Continuing Calibration (Continued)

Trichlorofluoromethane, dichlorodifluoromethane and isobutanol.

The initial calibration file for samples 017, 018, 019, 020, 021 and 022 showed acetone (65.5% RSD), carbon disulfide (39.4% RSD), 2-butanone (36.6% RSD), 4-methyl-2-pentanone (34.5% RSD), 2-hexanone (36.1% RSD), acrylonitrile (32.1% RSD), iodomethane (40.9% RSD), propionitrile (42.1% RSD), isobutyl alcohol (49.4% RSD), trans-1,4-dichloro-2-butene (39.5% RSD), 1,2-dibromo-3-chloropropane (63.9% RSD) and pentachloroethane (82.6% RSD) with % RSDs outside the QC limits.

The continuing calibration file for samples 017 showed carbon disulfide (-61.2%), 2-butanone (52.8%), 4-methyl-2-pentanone (48.5%), 2-hexanone (50.2%), xylene (-26.9%), acrolein (47.7%), acrylonitrile (52.6%), dichlorodifluoromethane (49.2%), propionitrile (60.7%), methacrylonitrile (39.8%), isobutyl alcohol (57.1%), 1,2-dibromoethane (28.0%), methyl methacrylate (35.4%), ethyl methacrylate (29%) and pentachloroethane (-101%). with % differences outside the QC limits.

Therefore, samples 017 was qualified as estimated (J) for carbon disulfide, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, xylene, acrolein, acrylonitrile, dichlorodifluoromethane, propionitrile, methacrylonitrile, isobutyl alcohol, 1,2-dibromomethane, methyl methacrylate, ethyl methacrylate and pentachloroethane.

The continuing calibration file for samples 018, 019, 020, 021 and 022 showed acetone (-64.8% D), carbon disulfide (-47.7% D), bromoform (-35.3% D) and isobutyl alcohol (34.6% D) with % differences outside the QC limits.

Therefore, samples 018, 019, 020, 021 and 022 were

CLIENT/SUBJECT Rechalloy W.O. NO. _____

TASK DESCRIPTION Lab Batch # 9503600 1 TASK NO. _____

PREPARED BY Linda Krobka DEPT _____ DATE 5/15/95

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY _____

DEPT _____ DATE _____

Volatiles (Continued)

6. Initial and Continuing Calibration (Continued)
qualified as estimated (J) for acetone, carbon disulfide, bromoform and isobutyl alcohol.

7. Internal Standards
All internal standard results were acceptable.

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
708-534-5200 • Fax 708-534-5211

25 April 1995

Mr. Carlos Serna
Roy F. Weston, Inc.
3 Hawthorn Parkway Suite 400
Vernon Hills, IL

Work Order No. 01989-009-002-0000

RE: Techalloy
RFW Lot 9503G001

Dear Mr. Serna:

Enclosed is the Analytical Report for the Project and RFW Lot Number listed above. If you have any questions, please contact me at 708-534-5200.

Very truly yours,

Weston Environmental Metrics, Inc.

Jane D. Huber
Project Manager

sj

Enclosures

Approved By:

Michael J. Healy
Vice President/Laboratory Manager

The results presented in this report relate only to the analytical testing and condition of samples at receipt. This report pertains to only those samples actually tested. All 1350 pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

WET CHEMISTRY DATA PACKAGE
TECHALLOY
RFW# 9503G001

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Diane L Hanson
Wet Chemistry Section Manager

4-17-95
Date

Kathy Nelson
QA/QC Department

4-17-95
Date

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP11-GWS							
TOTAL SUSPENDED SOLI	001	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP11-GWD							
TOTAL SUSPENDED SOLI	003	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP12-GWS							
TOTAL SUSPENDED SOLI	005	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP12-GWD							
TOTAL SUSPENDED SOLI	007	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP12-GWD-DP							
TOTAL SUSPENDED SOLI	009	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP13-GWS							
TOTAL SUSPENDED SOLI	011	W	95GSS062	03/27/95	03/29/95	03/31/95	03/31/95
TOTAL SUSPENDED SOLI	011 REP	W	95GSS062	03/27/95	03/29/95	03/31/95	03/31/95
TOTAL SUSPENDED SOLI	011 MS	W	95GSS062	03/27/95	03/29/95	03/31/95	03/31/95
TOTAL SUSPENDED SOLI	011 MSD	W	95GSS064	03/27/95	03/29/95	04/03/95	04/03/95
TC2-CP13-GWD							
TOTAL SUSPENDED SOLI	013	W	95GSS062	03/27/95	03/29/95	03/31/95	03/31/95
TC2-CP11-GWD-FB							
TOTAL SUSPENDED SOLI	015	W	95GSS064	03/28/95	03/29/95	04/03/95	04/03/95
TC2-CP11-SBS							
% SOLIDS	017	S	95GTS169	03/28/95	03/29/95	03/30/95	03/30/95
% SOLIDS	017 REP	S	95GTS169	03/28/95	03/29/95	03/30/95	03/30/95

NY CERTIFICATION # 11006

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP11-SBD							
% SOLIDS	018	S	95GTS169	03/28/95	03/29/95	03/30/95	03/30/95
TC2-CP12-SBS							
% SOLIDS	019	S	95GTS169	03/28/95	03/29/95	03/30/95	03/30/95
TC2-CP12-SBD							
% SOLIDS	020	S	95GTS169	03/28/95	03/29/95	03/30/95	03/30/95
TC2-CP13-SBS							
% SOLIDS	021	S	95GTS169	03/27/95	03/29/95	03/30/95	03/30/95
TC2-CP13-SBD							
% SOLIDS	022	S	95GTS169	03/27/95	03/29/95	03/30/95	03/30/95

LAB QC:

TOTAL SUSPENDED SOLI	LCS BS	W	95GSS064	N/A	N/A	04/03/95	04/03/95
TOTAL SUSPENDED SOLI	LCS BSD	W	95GSS064	N/A	N/A	04/03/95	04/03/95
TOTAL SUSPENDED SOLI	MB1	W	95GSS064	N/A	N/A	04/03/95	04/03/95
TOTAL SUSPENDED SOLI	LCS BS	W	95GSS062	N/A	N/A	03/31/95	03/31/95
TOTAL SUSPENDED SOLI	LCS BSD	W	95GSS062	N/A	N/A	03/31/95	03/31/95
TOTAL SUSPENDED SOLI	MB1	W	95GSS062	N/A	N/A	03/31/95	03/31/95
% SOLIDS	MB1	W	95GTS169	N/A	N/A	03/30/95	03/30/95

CHAIN OF CUSTODY

Custody Transfer Record/Lab Work Request

Pg. 1 of 2

WESTON

WESTON Analytics Use Only

9503G001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd.: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

Refrigerator#				P	P	CLP	CLP	CLP				
#/Type Container				2/G	3/G	Yp	Yp	Yp				
Volume				40ml	40ml	1L	1L	1L				
Preservative				X	X	X	X					
ANALYSES REQUESTED				VOA 624N	VOA 624N	TOTAL IX metals	SOL IX metals	TSS	REDD			
WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected									
001	TC2-CP11-GWS MS/MSD	W	3/28/95	X		X		X	X			
002							X					
003	GWD			X		X		X				
004							X					
005	CP12-GWS				X	X		X				
006							X					
007	GWD			X		X		X				
008							X					
009	GWD-DP			X		X		X				
010							X					
011	CP13-GWS		3/27/95		X	X		X				
012							X					
013	GWD				X	X		X				
014							X					
015	CP11-GWD-FB		3/28/95	X		X		X				

Matrix: W - Water, DS - Drum Solids, X - Other, S - Soil, O - Oil, DL - Drum Liquids, SE - Sediment, A - Air, F - Fish, SO - Solid, WI - Wipe, L - EP/TCLP Leachate

Special Instructions:

CLP

2X Volume for MS/MSD VOA's

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
		P. Spaulding	3/29/95	1240	1-22 Hg/metals	Cheryl Boyd	K. Schultz	3/30/95	1100
1-15 odd, 17-22 VOA	P. Spaulding	[illegible]	3/29/95	1320	11,13 TSS	K. Schultz	C. Deoyer	3/31/95	10:10
17-22 Metals	P. Spaulding	[illegible]	3/30/95	0800	11,13 TSS	C. Deoyer	K. Schultz	3/31/95	14:25
1-16 Hg/metals	P. Spaulding	Cheryl Boyd	3/30/95	0940	1 Hg	K. Schultz	Cheryl Boyd	3/4/95	0910
17-22 [illegible]	[illegible]	[illegible]	3/30/95	0945	1 Hg	Cheryl Boyd	K. Schultz	3/4/95	1350
17-22 [illegible]	[illegible]	[illegible]	3/30/95	1030	1,3,5,7,9,11,15 TSS	K. Schultz	[illegible]	4/3/95	1600

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed)
Y N
NOTES: SEE SDR

Labels Indicate
4 Properly Preserved
Y N
NOTES:

5 Received Within Holding Times
Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7-115

Custody Transfer Record/Lab Work Request

Pg. 2 of 2 WESTON 5

WESTON Analytics Use Only

9503G001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd.: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

Refrigerator#	CLP	P	CLP						
#/Type Container	YP	YG	YG						
Volume	1L	2oz	4oz						
Preservative	X								
ANALYSES REQUESTED	SOL IX metals	VOA 624N	IX metals %SOL						

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected									
016	TC2-CP11-GWD-FB	W	3/28/95	X								
017	CP11-SBS ms/msd	S			X	X						
018	SBD											
019	CP12-SBS											
020	SBD											
021	CP13-SBS		3/27/95									
022	SBD											
~~023~~	~~TB~~	~~W~~										

ps 3/29/95

Matrix: S - Soil, SE - Sediment, SO - Solid, W - Water, O - Oil, A - Air, WI - Wipe, DS - Drum Solids, DL - Drum Liquids, F - Fish, L - EP/TCLP Leachate, X - Other

Special Instructions: CLP

2X Volume For ms/msd VOA's

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
		P. Spaulding	3/29/95	1240					
1,3,5,7,9,11,15 TSS	[illegible]	[illegible]	4/3/95	18:30					
1-Dmetals	P. Spaulding	[illegible]	4/4/95	1830					
1-Ilemetals	[illegible]	[illegible]	4/4/95	1150					

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:
2 Ambient or Chilled
NOTES:
3 Received Broken/Leaking (Improperly Sealed) Y N
NOTES: SEE SDR
4 Properly Preserved Labels Indicate Y N
NOTES:
5 Received Within Holding Times Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7-115

WESTON Analytics Use Only
95036C01

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client: Techalloy
Est. Final Proj. Sampling Date: 3/29/95
Work Order #: 01989-009-002
Project Contact/Phone #: Carlos Serna/Jameel X4021
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																							
#/Type Container	Liquid	Glass													Plastic		Plastic	Plastic					
	Solid																						
Volume	Liquid	40ml													1L		1L	1L					
	Solid																						
Preservatives		HCl													HNO3		HNO3	—					
ANALYSES REQUESTED →		ORGANIC													INORG								
		VOA	BNA	Pest/PCB	Herb										Metal	CN	Metals						

WESTON Analytics Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 95	Time Collected	8240 Δ Vinyl Chl							Total		Dissolved	TSS				
001,2	TC2-CP11-GWS	✓	✓	W	3/28	1130	✓							✓		✓	✓				
003,4	TC2-CP11-GWD				3/28	1230	✓							✓		✓	✓				
005,6	TC2-CP12-GWS				3/28	845	✓							✓		✓	✓				
007,8	TC2-CP12-GWD				3/28	910	✓							✓		✓	✓				
009,10	TC2-CP12-GWD-DP				3/28	910	✓							✓		✓	✓				
011,12	TC2-CP13-GWS				3/27	1300	✓							✓		✓	✓				
013,14	TC2-CP13-GWD			↓	3/27	1355	✓							✓		✓	✓				
	~~Field Trip Blank~~			~~W~~	~~3/27~~	—	~~✓~~														
015,16	TC2-CP11-GWD-FB			W	3/28	1230	✓							✓		✓	✓				

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

* Metals are Appendix IX

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N SEE SDR
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
[signature]	Gulf Coast	3/29/95	0938
	[signature]	3/29/95	1010

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

WESTON Analytics Use Only

9503G001

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client Technology

Est. Final Proj. Sampling Date 3/29/95

Work Order # 01939-009-002

Project Contact/Phone # Carlos Serra/James x4024

AD Project Manager

QC Del TAT

Date Rec'd Date Due

Account #

Refrigerator #

#/Type Container	Liquid	6
	Solid	
Volume	Liquid	202
	Solid	
Preservatives		-

ANALYSES REQUESTED →

ORGANIC: VOA (8240 Aromatics), BNA, Pest/PCB, Herb

INORG: Metal (TB), CN

WESTON Analytics Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 95	Time Collected	VOA	Metal (TB)
017	TC2-CP11-SBS	✓	✓	S	3/28	1450	✓	✓
018	TC2-CP11-SBD				3/29	1000	✓	✓
019	TC2-CP12-SBS				3/28	820	✓	✓
020	TC2-CP12-SBD				3/29	828	✓	✓
021	TC2-CP13-SBS				3/27	950	✓	✓
022	TC2-CP13-SBD				3/27	1000	✓	✓

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:

~~023~~

1. TB prep date 3/29/95 FS 3/29/95
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N FS

NOTES: TB not listed 3/29/95

Relinquished by	Received by	Date	Time
[signature]	Gulfcoast	3/29/95	978
[signature]	[signature]	3/30/95	1010

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-001**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	16000 J	mg/L	5

L. Lovoba
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP11-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-003**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	16000 J	mg/L	5

L. Kaobka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP12-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-005**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	16000 J	mg/L	5

L. Koralka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	45000 J	mg/L	5

L. Kovalcha 4/27/95

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2417 Bond Street
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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: TC2-CP12-GWD-DP
Project # 01989-009-002-0000
Lab ID: 9503G001-009
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	17000 J	mg/L	5

L. Korobka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	27000 J	mg/L	5

L. Kowbka
4/27/95

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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP13-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-013**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	24000 J	mg/L	5

L. Mroczka 4/27/95

Weston Environmental Metrics, Inc.
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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: **TC2-CP11-GWD-FB**
Project # 01989-009-002-0000
Lab ID: **9503G001-015**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
Total Suspended Solid	5 J	mg/L	5

L. Kowalka 4/27/95

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Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP11-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-017**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	85.7	%	0.10

L. Kroelke 4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	90.0	%	0.10

L. Korobka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Friday April 14th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	92.2	%	0.10

L. Krobka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP12-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-020**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	85.8	%	0.10

L. Krabbe
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP13-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-021**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	87.6	%	0.10

L. Korobka 4/27/95

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Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Friday April 14th, 1995

RE: **TC2-CP13-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-022**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result	Units	Reporting Limit
% Solids	94.5	%	0.10

L. Korobka 4/7/95

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CASE NARRATIVE

ROY F. WESTON, INC.
ENVIRONMENTAL METRICS, INC.
WET CHEMISTRY CASE NARRATIVE

Client: Techalloy
RFW LOT: 9503G001
SDG #: CLP001

W.O. #: 01989-009-002-0000
Date Rec'd: 03/29/95

1. This narrative covers the analysis of eight water and six soil samples in accordance with protocols based on the following methods:

   % Solids - Standard Methods, 17th Edition, 2540G
   Please note that the post-oven temperature was not within the limits of 103 - 105 degrees Celsius.

   Total Suspended Solids - EPA Method 160.2

2. All required holding times were met. Please refer to the laboratory chronicle page of the report for a summary of the dates of analysis.

3. All method blanks were below the detection limits.

4. The LCS recoveries were within control limits.

5. The % solids matrix duplicate was within control limits.

   The TSS matrix duplicate performed on sample 9503G001-011 showed a RPD of 20.7, which is outside the control limit of 20.0 RPD. The duplicate was repeated and a RPD of 79.5 was obtained. The first duplicate was reported. Please note that the sample contained a large amount of sediment that settled rapidly, making it difficult to obtain a representative sample. Refer to the raw data.

   The TSS matrix spike performed on sample 9503G001-011 showed a recovery of 1065%, which is outside the control limits of 75 - 125%. The spike is acceptable because the original result is greater than four times the matrix spike concentration. The matrix spike was repeated, however, and a recovery of 3484% was obtained. The first spike was reported. Please refer to the raw data.

Donna J. Stevens
Donna J. Stevens
Wet Chemistry Unit Leader

4-24-95
Date

INORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Inorganic Data Qualifiers

B	Result is less than the CRDL, but greater than or equal to the instrument detection limit
E	Result is estimated due to interference
M	Analyte concentrations are greater than the CRDL, and the RSD of duplicate injections was greater than 20%
N	Matrix Spike recovery was outside the control limits
S	Result was determined by the Method of Standard Additions (MSA)
T	Analyte was found in the TCLP extraction blank and sample
U	Analyte was not detected at or above the reporting limit
W	Post-digestion spike was outside 85-115% control limits, sample absorbance is less than 50% of spike absorbance
+	MSA correlation coefficient is less than 0.995
*	Duplicate analysis was outside the control limits

Abbreviations

A	Analyzed by flame A.A. direct aspiration
Batch	Identifies a specific extraction, digestion or preparation set (equivalent to Prep Batch)
BS	Blank Spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
C	Cyanide analyte flag on CLP forms
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blank
CD	Calculation Factor used by the laboratory's Information Management System (LIMS)
CV	Analyzed by the cold vapor generation method for Mercury
Contract	Contract Laboratory Identification Code
DF	Dilution Factor
F	Analyzed by graphite furnace atomic absorption spectroscopy
ICV	Initial Calibration Verification
ICB	Initial Calibration Blank
LCS/LC	Denotes Laboratory Control Standard
LAB ID	The full 12 character WESTON Laboratory Identification Number (equivalent to RFW#)
MB	Method Blank or (PB) for Preparation Blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Non-calculable precision due to insufficient concentration of analyte present in the sample
NR	Not Required
NS	Not Spiked
P	Analyzed by inductively coupled argon plasma
REP	Replicate analysis
RFW#	The full 12 character WESTON Laboratory Idenficiation number (equivalent to LAB ID)
RFW Lot	The first 8 characters of the RFW#
RPD	Relative Percent Difference of duplicate analyses
X	Result obtained indirectly through calculation based on results from other analyses
WO#	Work Order No. Weston Code used to define a specific clinet, job phase and task

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

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QUALITY CONTROL

REPORTING FORMS

FORM I B

PREPARATION BATCH REFERENCE PAGE

OTHER INORGANICS

LAB NAME: WESTON-GULF COAST LABORATORIES, INC. RFW NUMBER: 9503G001

	Analyte	Units	Prep Batch ID	Method *	Inclusive RFW Sample ID's
1	% SOLIDS	%	95GTS169	A 2540G	9503G001-017,018,019,020,021,022
2	TSS	MG/L	95GSS062	E 160.2	9503G001-011,013
3	TSS	MG/L	95GSS064	E 160.2	9503G001-011(MSD),001,003,005,007,009,015
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

* A - Standard Methods for the Examination of Water and Wastewater, 17th Edition
E - Methods for Chemical Analysis of Water and Wastes, 1984 Edition. 600/4--84-017
S - SW846 Test Methods for Evaluating Solid Waste, Physical Chemical Methods, USEPA Washington D.C. 3rd Edition
D - ASTM
O - Other

NOTE: On Forms IIB, IIIB, VB, VIB, and VIIB the quality control data corresponding to the above preparation batches/samples are presented on the same line as above.

FORM IIIB

BLANKS

OTHER INORGANICS

LAB NAME: WESTON-GULF COAST LABORATORIES, INC. RFW NUMBER: 9503G001

			Initial		Continuing Calibration Blanks						Preparation Blank		Prep Blank
Analyte	ICB/CCB Units	Det. Limit	Calib. Blank	C	1	C	2	C	3	C	1	C	Units
1 % SOLIDS	%	0.1									0.1	u	%
2 TSS	MG/L	5									5	u	MG/L
3 TSS	MG/L	5									5	u	MG/L
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													

Control Limits: < Detection Limit

FORM V B

SPIKE SAMPLE RECOVERY

OTHER INORGANICS

LAB NAME: WESTON-GULF COAST LABORATORIES, INC. RFW NUMBER: 9503G001

	Analyte	Units	RFW Sample ID	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q
1	% SOLIDS	%								
2	TSS	MG/L	9503G001-011	35660		27140		800	1065.0%	
3	TSS	MG/L	9503G001-011	61980		27140		1000	3484.0%	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										

Control Limit = 75 - 125%
Exception if (SR) > 4 X (SA)

%R = [(SSR - SR)/SA] X 100
N = Out of Control

FORM VI B

DUPLICATES

OTHER INORGANICS

LAB NAME: WESTON-GULF COAST LABORATORIES, INC. RFW NUMBER: 9503G001

	Analyte	Units	Sample ID	Sample (S)	C	Duplicate (D)	C	RPD	Q
1	% SOLIDS	%	9503G001-017	85.7		85.2		0.6%	
2	TSS	MG/L	9503G001-011	27140		33400		20.7%	*
3	TSS	MG/L							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									

Control Limit = 20% RPD
or +/- DL if (S) or (D) < 5 X DL

pH Control Limits = +/- 0.2 pH units
pH "RPD" = +/- pH units

RPD = [(S-D)/((S+D)/2)] X 100
* = Out of Control
DL = Detection Limit

FORM VII B

LABORATORY CONTROL SAMPLE

OTHER INORGANICS

LAB NAME: WESTON-GULF COAST LABORATORIES, INC. RFW NUMBER:9503G001

		1 Laboratory Control Sample			2 Laboratory Control Sample		
Analyte	Units	True	Found	%R	True	Found	%R
1 % SOLIDS	%						
2 TSS	MG/L	200	189	94.5%	200	187.67	93.8%
3 TSS	MG/L	200	174.33	87.2%	200	181.67	90.8%
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

%R = Found/True X 100 Control Limit = +/- 20%

pH "%R" = +/- pH units pH Control Limits = +/- 0.1 pH units

Weston-Gulf Coast Laboratories, Inc.
% Sol./ % Ash / % Vol. / % Mst.

Method: Solids - 2540 G, Std. Methods 17Ed. LIMS Batch: 95GTS169

Codes:

TARE	= B
WET	= C
DRY	= A
MUFFLE	= D

Calculations:

% Solids = (A - B) / (C - B) X 100
% Ash "A" = (D - B) / (C - B) X 100
% Ash "D" = (D - B) / (A - B) X 100
% Volatiles = (A - D) / (A - B) X 100
% Moisture = 100 - % Solids

INSTRUMENT CHECKS

Control Limits: 10 +/-0.0005 g | 103-105°C | 550 +/-50°C

Balance #	Gram Wt.	Reading	Oven #	Pre Temp\Post Temp	Furnace #	Furnace Temp
253	10.0	10.0001	225	104.8°C 108.8°C		

I have verified that the weights obtained by the balance interface software match the readings from the analytical balance listed above.

Analyst Signature: Jonalee Lucas Date: 3/30/95

Reviewer Signature: Julie D Bullock Date: 3/30/95

RFW	Dish	Tests	Result (%)	RPD	Weight Name	Weights (grams)	Date	Time	Analyst
95GTS169-MB1	1	I%SOL	0.0		TARE:1.2879				
					WET:13.5292		03/30/95	09:51:48	JL
					DRY:1.2874		03/30/95	15:42:10	JL
9503G001-017	2	I%SOL	85.7		TARE:1.2827				
					WET:12.7074		03/30/95	09:53:06	JL
					DRY:11.0739		03/30/95	15:45:26	JL
9503G001-017R	3	I%SOLR	85.2	0.6	TARE:1.2807				
					WET:11.3247		03/30/95	09:54:36	JL
					DRY:9.8403		03/30/95	15:46:16	JL
9503G001-018	4	I%SOL	90.0		TARE:1.2776				
					WET:11.0651		03/30/95	09:55:48	JL
					DRY:10.0870		03/30/95	15:46:38	JL
9503G001-019	5	I%SOL	92.2		TARE:1.2765				
					WET:11.9301		03/30/95	09:56:55	JL
					DRY:11.0980		03/30/95	15:48:20	JL
9503G001-020	6	I%SOL	85.8		TARE:1.2789				
					WET:11.9016		03/30/95	09:58:21	JL
					DRY:10.3895		03/30/95	15:47:00	JL

Weston-Gulf Coast Laboratories, Inc.
% Sol. / % Ash / % Vol. / % Mst.

LIMS Batch: 95GTS169

RFW	Dish	Tests	Result (%)	RPD	Weight Name	Weights (grams)	Date	Time	Analyst
9503G001-021	7	I%SOL	87.6		TARE:	1.2794			
					WET:	13.0614	03/30/95	09:59:57	JL
					DRY:	11.5990	03/30/95	15:44:56	JL
9503G001-022	8	I%SOL	94.5		TARE:	1.2806			
					WET:	12.6783	03/30/95	10:01:18	JL
					DRY:	12.0483	03/30/95	15:45:51	JL
9503G004-001	14	I%SOL	83.1		TARE:	1.2907			
					WET:	11.7016	03/30/95	10:16:10	JL
					DRY:	9.9414	03/30/95	15:49:33	JL
9503G004-002	15	I%SOL	99.7		TARE:	1.2939			
					WET:	12.9945	03/30/95	10:18:39	JL
					DRY:	12.9629	03/30/95	15:47:26	JL
9503G004-003	16	I%SOL	93.4		TARE:	1.2893			
					WET:	12.8388	03/30/95	10:20:35	JL
					DRY:	12.0754	03/30/95	15:49:04	JL
9503G942-016	9	I%SOL	64.3		TARE:	1.2839			
					WET:	15.1072	03/30/95	10:05:52	JL
					DRY:	10.1739	03/30/95	15:50:22	JL
9503G942-016R	10	I%SOLR	72.6	12.1	TARE:	1.2875			
					WET:	12.3465	03/30/95	10:09:39	JL
					DRY:	9.3158	03/30/95	15:50:56	JL
9503G968-001	11	I%SOL	80.0		TARE:	1.2859			
					WET:	13.9796	03/30/95	10:10:57	JL
					DRY:	11.4361	03/30/95	15:49:58	JL
9503G973-006	12	I%SOL	53.6		TARE:	1.2834			
					WET:	13.7182	03/30/95	10:12:18	JL
					DRY:	7.9519	03/30/95	15:48:41	JL
9503G973-007	13	I%SOL	36.9		TARE:	1.2877			
					WET:	11.8562	03/30/95	10:13:56	JL
					DRY:	5.1856	03/30/95	15:47:52	JL

*** End of % Solids Report ***

WESTON Environmental Metrics, Inc

Date of Prep: 03/31/95
Date of Analysis: 03/31/95
Filename: GSS062 Prep Batch: 95GSS062
Test: ITSS Method: E 160.2
Directory: INORGANICS Analyst: CJT
Instrument: BALANCE

RFW SAMPLE ID	TEST	TARE	BEAKER+ RESIDUE	VOL MLS	WT. DIFF	FINAL RESULT	DETECTION LIMIT 5.00	UNITS	REPLICATE ORIG SAMPLE RESULT	REP % DIFF	SPIKE/LCS SPIKE 100.00 LCS 200.00	SAMPLE SPIKE AMOUNT	% RECOV	PREP BATCH
95GSS062-MB1	ITSS	25.0744	25.0740	300.0	-0.0004	-1.33 u	5.00	MG/L						95GSS062
~~95GSS062-LCS~~	ITSS-S	24.5255	24.5822	300.0	0.0567	189.00	5.00	MG/L	0.000		200.00	200.00	94.5	95GSS062
95GSS062-LCS	ITSS-T	21.6334	21.6897	300.0	0.0563	187.67	5.00	MG/L	0.000	0.7	200.00	200.00	93.8	95GSS062
95036940-001	ITSS	22.4973	22.5029	2.0	0.0056	2800.00	5.00	MG/L						95GSS062
95036941-001	ITSS	24.1955	24.2001	2.0	0.0046	2300.00	5.00	MG/L						95GSS062
95036935-001	ITSS	25.3706	25.3749	2.0	0.0043	2150.00	5.00	MG/L						95GSS062
95036948-001	ITSS	24.9585	25.0298	50.0	0.0713	1426.00	5.00	MG/L						95GSS062
95036948-002	ITSS	25.6079	25.6109	100.0	0.0030	30.00	5.00	MG/L						95GSS062
95036948-003	ITSS	25.3153	25.3353	50.0	0.0200	400.00	5.00	MG/L						95GSS062
95036983-002	ITSS	26.7509	26.7513	200.0	0.0004	2.00 u	5.00	MG/L						95GSS062
95036983-003	ITSS	26.6608	26.6610	200.0	0.0002	1.00 u	5.00	MG/L						95GSS062
95036983-004	ITSS	23.9155	23.9218	200.0	0.0063	31.50	5.00	MG/L						95GSS062
95036983-005	ITSS	23.7239	23.7241	200.0	0.0002	1.00 u	5.00	MG/L						95GSS062
95036983-006	ITSS	24.6626	24.6629	200.0	0.0003	1.50 u	5.00	MG/L						95GSS062
95036983-007	ITSS	25.2274	25.2321	200.0	0.0047	23.50	5.00	MG/L						95GSS062
95036983-008	ITSS	24.2720	24.2722	200.0	0.0002	1.00 u	5.00	MG/L						95GSS062
95036983-009	ITSS	23.9936	23.9934	200.0	-0.0002	-1.00 u	5.00	MG/L						95GSS062
95036983-010	ITSS	25.4024	25.4061	200.0	0.0037	18.50	5.00	MG/L						95GSS062
95036943-012	ITSS	25.1268	25.1297	100.0	0.0029	29.00	5.00	MG/L						95GSS062
95036943-013	ITSS	25.1507	25.1508	100.0	0.0001	1.00 u	5.00	MG/L						95GSS062
95036943-016	ITSS	24.4629	24.4654	100.0	0.0025	25.00	5.00	MG/L						95GSS062
~~95036001-011~~	ITSS	25.2402	25.4072	5.0	0.1670	33400.00	5.00	MG/L						95GSS062
~~95036001-011~~	ITSS-S	23.1018	23.2801	5.0	0.1783	35660.00	5.00	MG/L	33409.000		100.00	800.00	282.5	95GSS062
95036001-013	ITSS	23.1749	23.2946	5.0	0.1197	23940.00	5.00	MG/L						95GSS062

> Deleted from Spreadsheet. DJS 4-3-95

Charlene J Tessyn 4/1/95

Julie D Bullock 4-6-95

WESTON Environmental Metrics, Inc

Date of Prep: 03/31/95
Date of Analysis: 03/31/95
Filename: GSS062A
Prep Batch: 95GSS062
Test: ITSS
Method: E 160.2
Directory: INORGANICS
Analyst: CJT
Instrument: BALANCE

									REPLICATE		SPIKE/LCS				
											SPIKE				
							DETECTION		ORIG	REP	100.00	SAMPLE			
SFW SAMPLE ID	TEST	TARE	PEAKER+ RESIDUE	VOL MLS	WT. DIFF	FINAL RESULT	LIMIT	UNITS	SAMPLE RESULT	% DIFF	LCS 100.00	SPIKE AMOUNT	% RECOV		PREP BATCH
95036001-011	ITSS	26.7644	26.9001	5.0	0.1357	27140.00	5.00	MG/L							95GSS062
95036001-011	ITSS-R	25.2402	25.4072	5.0	0.1670	33400.00	5.00	MG/L	27140.000	20.7					95GSS062
95036001-011	ITSS-S	23.1018	23.2801	5.0	0.1783	35660.00	5.00	MG/L	27140.000		100.00	800.00	1065.0	Hxmule	95GSS062

Julie G Bullock 4-13-95

OK Donna G. Stevens 4-13-95

OP No. 21-21G-1583

Circle Method Used:
TSS (a.) EPA 160.2 b. SM 2540D
VSS c. EPA 160.4 d. SM 2540E

WESTON-Gulf Coast, Inc.
(ITSS) IVSS

Page # 128
Book # 1716
LIMS Batch ID # 95GSS062
Filename: GSS062

Oven #: 614
Temp. IN 104 C
Temp. OUT 104 C
Balance # 583
Dessicator # 2

Muffle Furnace # /
Furnace Temp. / C

Calculations:
TSS mg/L = (A - B) / C x 1000000
TSS mg/L = (gross (g) - tare (g)) / vol (ml) x 1000000
VSS mg/L = (A - D) / C x 1000000

A = Petri Dish & Dry Residue Wt. (g)
B = Petri Dish Tare Wt. (g)
C = Sample Volume
D = Petri Dish + Residue after ignition (g)

	RFW #	Cruc. I.D.	Sample Volume C (mls)	Tare B (g)	1st A (g)	2nd A (g)	D (g)	VSS Result mg/L	TSS Result mg/L	% Rec RPD
MB1	95GSS062	51	300	25.0744	25.0741	25.0740			-1.33	<5
LCS1		07		24.5255	24.5821	24.5822			189.00	94.5%
LCS2		08		21.6334	21.6898	21.6897			187.67	93.8%
1	94036-940001	22	2	22.4973	22.5028	22.5029			2800	
2	941-001	23	2	24.1955	24.2003	24.2001			2300	
3	935001	4	2	25.3706	25.3751	25.3749			2150	
4	948001	10	50	24.9585	25.0299	25.0298			1426	
5	002		100	25.6079	25.6111	25.6109			30	
6	003	C16	50	25.3153	25.3355	25.3353			400	
7	983002	06	200	26.7509	26.7516	26.7513			2	
8	003	06	200	26.6608	26.6613	26.6610			1	
9	004	111	200	23.9155	23.9218	23.9218			31.5	
10	005	12	200	23.7239	23.7242	23.7241			1.0	
11	006	17	200	24.6626	24.6632	24.6629			1.5	
12	007	52	200	25.2274	25.2323	25.2321			23.5	
13	008	35	200	24.2720	24.2722	24.2722			1.0	
14	009	40	200	23.9936	23.9937	23.9934			-1.0	
15	010	11	200	25.4024	25.4064	25.4061			18.5	
16	943012	C4	100	25.1268	25.1297	25.1297			29.0	
17	013	37	100	25.1507	25.1511	25.1508			1.0	
18	016	1	100	24.4629	24.4655	24.4654			25.0	
* 19	001-011	6	5	26.7644	26.8997	~~26.8994~~	26.8999	26.9001	27140	20.7%
20	011R	C26	5	25.2402	25.4074	25.4072			33400	
	011S		5 Spk 40	23.1018	23.2805	23.2801			35660	8520% Rec. 4 mls
	013	33	5	23.1749	23.2948	23.2946			23940	

Standards Traceability: Standard Solutions are prepared on a daily basis.

Stock Soln. I ID # (LCS) 1292005-2 Stock Soln. II ID # (MS) 1292059-5

Spiking Levels (mg/L): LCS = 200 MS = 100

Analyst Signature: Charlene J Troyer Date: 3/31/95

Reviewer Signature: Donna J. Stevens Date: 4/3/95

* Will be on "A" S.S. ("T" MS in set GSS064) 4/4/95

* too be repeated in a future set 4/1/95

WESTON Environmental Metrics, Inc

Date of Prep: 04/03/95
Date of Analysis: 04/03/95
Filename: GSS064 Prep Batch: 95GSS064
Test: ITSS Method: 160.2
Directory: INORGANICS Analyst: GJA
Instrument: BALANCE

RFW SAMPLE ID	TEST	TARE	BEAKER+ RESIDUE	VOL MLS	WT. DIFF	FINAL RESULT	DETECTION LIMIT	UNITS	REPLICATE ORIG SAMPLE RESULT	REP SAMPLE % DIFF	SPIKE/LCS SPIKE 100.00 LCS 200.00	SAMPLE SPIKE AMOUNT	% RECOV		PREP BATCH
95GSS064-MB1	ITSS	22.5060	22.5060	300.0	0.0000	0.00 u	5.00	MG/L							95GSS064
95GSS064-LCS	ITSS-S	22.5426	22.5949	300.0	0.0523	174.33	5.00	MG/L	0.000		200.00	200.00	87.2		95GSS064
95GSS064-LCS	ITSS-T	25.1278	25.1823	300.0	0.0545	181.67	5.00	MG/L	0.000	4.1	200.00	200.00	90.8		95GSS064
95036001-011	ITSS-T	24.1099	24.4197	5.0	0.3099	61980.00	5.00	MG/L	27140.000	106.4	100.00	1000.00	3484	do rule	95GSS064
95036001-001	ITSS	24.2730	24.3554	5.0	0.0824	16480.00	5.00	MG/L							95GSS064
95036001-003	ITSS	24.7769	24.8400	4.0	0.0631	15775.00	5.00	MG/L							95GSS064
95036001-005	ITSS	25.0743	25.1395	4.0	0.0652	16300.00	5.00	MG/L							95GSS064
95036001-007	ITSS	23.1753	23.3546	4.0	0.1793	44825.00	5.00	MG/L							95GSS064
95036001-009	ITSS	24.5614	24.6313	4.0	0.0699	17475.00	5.00	MG/L							95GSS064
95036001-015	ITSS	24.9850	24.9855	100.0	0.0005	5.00 u	5.00	MG/L							95GSS064
95036998-007	ITSS	26.7644	26.7667	100.0	0.0023	23.00	5.00	MG/L							95GSS064
95036998-009	ITSS	25.2288	25.2286	100.0	-0.0002	-2.00 u	5.00	MG/L							95GSS064
95036998-010	ITSS	22.4974	22.4979	100.0	0.0005	5.00	5.00	MG/L							95GSS064
95036998-010	ITSS-R	22.8681	22.8685	100.0	0.0004	4.00 u	5.00	MG/L	5.000	200.0					95GSS064
95036998-010	ITSS-S	23.2749	23.2841	100.0	0.0092	92.00	5.00	MG/L	5.000		100.00	100.00	87.0		95GSS064
95036998-011	ITSS	24.4636	24.4638	100.0	0.0002	2.00 u	5.00	MG/L							95GSS064
95036998-012	ITSS	25.3153	25.3158	100.0	0.0005	5.00 u	5.00	MG/L							95GSS064
95036998-014	ITSS	24.1645	24.1655	100.0	0.0010	10.00	5.00	MG/L							95GSS064
95036998-016	ITSS	25.2408	25.2435	100.0	0.0027	27.00	5.00	MG/L							95GSS064
95036998-017	ITSS	24.9778	24.9790	100.0	0.0012	12.00	5.00	MG/L							95GSS064
95036998-018	ITSS	24.5718	24.5724	100.0	0.0006	6.00	5.00	MG/L							95GSS064
95036015-001	ITSS	23.5410	23.5425	100.0	0.0015	15.00	5.00	MG/L							95GSS064
95036015-003	ITSS	26.6611	26.6615	100.0	0.0004	4.00 u	5.00	MG/L							95GSS064

Julie D Bullock, 4-13-95

Ok Donna J. Stevens 4-13-95

OP No. 21-21G-1503

Circle Method Used:
(TSS) a. EPA 160.2 b. SM 2540D
VSS c. EPA 160.4 d. SM 2540E

WESTON-Gulf Coast, Inc.
(TSS) / VSS

Page # 130
Book # 1716
LIMS Batch ID # 95655064
Filename: GSS064

Oven #: 614
Temp. IN 104 C
Temp. OUT 104 C
Balance # 583
Dessicator # 2

Muffle Furnace # —
Furnace Temp. — C

Calculations:
TSS mg/L = (A - B) / C x 1000000
TSS mg/L = (gross (g) - tare (g)) / vol (ml) x 1000000
VSS mg/L = (A - D) / C x 1000000

A = Petri Dish & Dry Residue Wt. (g)
B = Petri Dish Tare Wt. (g)
C = Sample Volume
D = Petri Dish + Residue after ignition (g)

	RFW #	Cruc. I.D.	Sample Volume C (mls)	Tare B (g)	1st A (g)	2nd A (g)	D (g)	VSS Result mg/L	TSS Result mg/L	% Rec RPD
MB1	95655064	28	300	22.5060	22.5060	22.5060			0.00	<5.0
LCS1		05		22.5426	22.5946	22.5949			174.33	87.2%
LCS2		C4		25.1278	25.1822	25.1823			181.67	90.8% 4.1 RPD
1	95036001-011R	39	5	24.0522	24.3672	24.3671	Not Rpt'd 95/4/95		62980.00	79.5
2	↓ T	45	5 (50.66)	24.1098	24.4196	24.4197			61980.00	34842
3	-001	35	5	24.2730	24.3552	24.3554			16480.00	95/4/13-95
4	-003	P	4	24.7769	24.8400	24.8400			15775.00	
5	-005	51	4	25.0743	25.1396	25.1395			16300.00	
6	-007	33		23.1753	23.3546	23.3546			44825.00	
7	-009	24		24.5614	24.6312	24.6313			17475.00	
8	-015	AW	100	24.9850	24.9856	24.9855			5.00	
9	95036998-007	6		26.7644	26.7665	26.7667			23.00	
10	-009	52		25.2288	25.2288	25.2286			-2.00	
11	-010	22		22.4974 GA 4/13/95	22.4981	22.4979			5.00	
12	-010R	03		22.8681	22.8687	22.8685			4.00	
13	-010S	W		23.2749	23.2840	23.2841			92.00	57%?
14	-011	1		24.4636	24.4638	24.4638			2.00	
15	-012	CB		25.3153	25.3158	25.3158			5.00	
16	-014	23		24.1645	24.1657	24.1655			10.00	
17	-016	C26		25.2408	25.2435	25.2435			27.00	
18	-017	30		24.9778	24.9790	24.9790			12.00	
19	-018	01		24.5718	24.5724	24.5724			6.00	
20	95036014-002	06		26.7512	26.7517	26.7517			5.00	95/4/95
	95036CK-001	36		23.5410	23.5427	23.5425			15.00	
	-003	06		26.6611	26.6614	26.6615			4.00	

Standards Traceability: Standard Solutions are prepared on a daily basis.

Stock Soln. I ID # (LCS) 1292-005-2 Stock Soln. II ID # (MS) 1297 - 059-5

Spiking Levels (mg/L): LCS = 206 MS = 104

Analyst Signature: Gregory J Am Date: 4/3/95

Reviewer Signature: Julie D Bullon Date: 4/4/95

METALS DATA PACKAGE
TECHALLOY
RFW# 9503G001

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Metals Section Manager

4/25/95
Date

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP11-GWS							
SILVER, SERIAL DILUT	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	001	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, TOTAL	001 REP	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, TOTAL	001 MS	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SERIAL DILUT	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BARIUM, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BARIUM, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BARIUM, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, SERIAL DI	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CADMIUM, SERIAL DILU	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COBALT, SERIAL DILUT	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, SERIAL DIL	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, SERIAL DILUT	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
MERCURY, TOTAL	001	W	95HG197	03/28/95	03/29/95	04/03/95	04/03/95
MERCURY, TOTAL	001 REP	W	95HG197	03/28/95	03/29/95	04/03/95	04/03/95
MERCURY, TOTAL	001 MS	W	95HG197	03/28/95	03/29/95	04/03/95	04/03/95
NICKEL, SERIAL DILUT	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
NICKEL, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
NICKEL, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95

NY CERTIFICATION # 11006

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
NICKEL, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, SERIAL DILUTIO	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, SERIAL DIL	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SELENIUM, TOTAL	001	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, TOTAL	001 REP	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, TOTAL	001 MS	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
Tin, Serial Dilution	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
THALLIUM, TOTAL	001	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, TOTAL	001 REP	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
HALLIUM, TOTAL	001 MS	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SERIAL DIL	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
VANADIUM, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
VANADIUM, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
VANADIUM, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, SERIAL DILUTIO	001 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	001	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	001 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	001 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, SERIAL DILUT	002 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	002	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	002	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	002 REP	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	002 MS	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SERIAL DILUT	002 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	002	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SERIAL DI	002 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	002	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC EXT/PREP	ANALYSIS
BERYLLIUM, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
BERYLLIUM, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CADMIUM, SERIAL DILU	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CADMIUM, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CADMIUM, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CADMIUM, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COBALT, SERIAL DILUT	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COBALT, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COBALT, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COBALT, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CHROMIUM, SERIAL DIL	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CHROMIUM, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CHROMIUM, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
CHROMIUM, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COPPER, SERIAL DILUT	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COPPER, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COPPER, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
COPPER, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
MERCURY, SOLUBLE	002	W	95HG194	03/28/95	03/29/95 03/30/95	03/30/95
MERCURY, SOLUBLE	002 REP	W	95HG194	03/28/95	03/29/95 03/30/95	03/30/95
MERCURY, SOLUBLE	002 MS	W	95HG194	03/28/95	03/29/95 03/30/95	03/30/95
NICKEL, SERIAL DILUT	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
NICKEL, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
NICKEL, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
NICKEL, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
LEAD, SOLUBLE	002	W	95GF745	03/28/95	03/29/95 04/04/95	04/04/95
LEAD, SOLUBLE	002 REP	W	95GF745	03/28/95	03/29/95 04/04/95	04/04/95
LEAD, SOLUBLE	002 MS	W	95GF745	03/28/95	03/29/95 04/04/95	04/04/95
ANTIMONY, SERIAL DIL	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
ANTIMONY, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
ANTIMONY, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
ANTIMONY, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
SELENIUM, SOLUBLE	002	W	95GF745	03/28/95	03/29/95 04/04/95	04/05/95
SELENIUM, SOLUBLE	002 REP	W	95GF745	03/28/95	03/29/95 04/04/95	04/05/95
SELENIUM, SOLUBLE	002 MS	W	95GF745	03/28/95	03/29/95 04/04/95	04/05/95
Tin, Serial Dilution	002 L	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
TIN, SOLUBLE	002	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
TIN, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
TIN, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95 04/04/95	04/05/95
THALLIUM, SOLUBLE	002	W	95GF745	03/28/95	03/29/95 04/04/95	04/05/95

NY CERTIFICATION # 11006

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
THALLIUM, SOLUBLE	002 REP	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	002 MS	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SERIAL DIL	002 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	002	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SERIAL DILUTIO	002 L	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	002	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	002 REP	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	002 MS	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
TC2-CP11-GWD							
SILVER, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	003	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
^ADMIUM, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
JBALT, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
MERCURY, TOTAL	003	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SELENIUM, TOTAL	003	W	95GF745	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
THALLIUM, TOTAL	003	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	003	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	004	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	004	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95

NY CERTIFICATION # 11006

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
LEAD, SOLUBLE	004	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	004	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	004	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	004	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
TC2-CP12-GWS							
SILVER, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	005	W	95GF745	03/28/95	03/29/95	04/04/95	04/06/95
BARIUM, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, TOTAL	005	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ANTIMONY, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, TOTAL	005	W	95GF745	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, TOTAL	005	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, TOTAL	005	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	006	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	006	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	006	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	006	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TIN, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	006	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	006	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
TC2-CP12-GWD							
SILVER, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	007	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
MERCURY, TOTAL	007	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SELENIUM, TOTAL	007	W	95GF745	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
THALLIUM, TOTAL	007	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	007	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
SILVER, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	008	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	008	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	008	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	008	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	008	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
ZINC, SOLUBLE	008	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
TC2-CP12-GWD-DP							
SILVER, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	009	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, TOTAL	009	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ANTIMONY, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, TOTAL	009	W	95GF745	03/28/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, TOTAL	009	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, TOTAL	009	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	010	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	010	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	010	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	010	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	010	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	010	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP13-GWS							
SILVER, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	011	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
MERCURY, TOTAL	011	W	95HG194	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	011	W	95GF745	03/27/95	03/29/95	04/04/95	04/04/95
ANTIMONY, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
SELENIUM, TOTAL	011	W	95GF745	03/27/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
THALLIUM, TOTAL	011	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	011	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
SILVER, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	012	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	012	W	95HG194	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	012	W	95GF745	03/27/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	012	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	012	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	012	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP13-GWD							
SILVER, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
ARSENIC, TOTAL	013	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
BERYLLIUM, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
CADMIUM, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
COBALT, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
CHROMIUM, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
COPPER, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
MERCURY, TOTAL	013	W	95HG194	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
LEAD, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
ANTIMONY, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
SELENIUM, TOTAL	013	W	95GF745	03/27/95	03/29/95	04/04/95	04/06/95
TIN, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
THALLIUM, TOTAL	013	W	95GF745	03/27/95	03/29/95	04/04/95	04/06/95
VANADIUM, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
ZINC, TOTAL	013	W	95GI580	03/27/95	03/29/95	04/04/95	04/06/95
SILVER, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	014	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	014	W	95HG194	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	014	W	95GF745	03/27/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	014	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	014	W	95GF745	03/27/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	014	W	95GI580	03/27/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP11-GWD-FB							
SILVER, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, TOTAL	015	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, TOTAL	015	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, TOTAL	015	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, TOTAL	015	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
TIN, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, TOTAL	015	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, TOTAL	015	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SILVER, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ARSENIC, SOLUBLE	016	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
BARIUM, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
BERYLLIUM, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CADMIUM, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COBALT, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
CHROMIUM, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
COPPER, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
MERCURY, SOLUBLE	016	W	95HG194	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
LEAD, SOLUBLE	016	W	95GF745	03/28/95	03/29/95	04/04/95	04/04/95
ANTIMONY, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
SELENIUM, SOLUBLE	016	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
TIN, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
THALLIUM, SOLUBLE	016	W	95GF745	03/28/95	03/29/95	04/04/95	04/05/95
VANADIUM, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95
ZINC, SOLUBLE	016	W	95GI580	03/28/95	03/29/95	04/04/95	04/05/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
TC2-CP11-SBS							
SILVER, SERIAL DILUT	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SILVER, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SILVER, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SILVER, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	017	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	017 REP	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	017 MS	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
BARIUM, SERIAL DILUT	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, SERIAL DI	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, SERIAL DILU	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, SERIAL DILUT	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, SERIAL DIL	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, SERIAL DILUT	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	017	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
MERCURY, TOTAL	017 REP	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
MERCURY, TOTAL	017 MS	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, SERIAL DILUT	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
NICKEL, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
NICKEL, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
NICKEL, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	017	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	017 REP	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	017 MS	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
ANTIMONY, SERIAL DIL	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ANTIMONY, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ANTIMONY, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ANTIMONY, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	017	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
SELENIUM, TOTAL	017 REP	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
SELENIUM, TOTAL	017 MS	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
Tin, Serial Dilution	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TIN, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TIN, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TIN, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	017	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
THALLIUM, TOTAL	017 REP	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
THALLIUM, TOTAL	017 MS	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
VANADIUM, SERIAL DIL	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
VANADIUM, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
VANADIUM, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
VANADIUM, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, SERIAL DILUTIO	017 L	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	017	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	017 REP	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	017 MS	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TC2-CP11-SBD							
SILVER, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	018	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
BARIUM, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	018	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	018	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
ANTIMONY, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	018	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
TIN, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	018	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
VANADIUM, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	018	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TC2-CP12-SBS							
SILVER, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	019	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	019	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	019	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
ANTIMONY, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	019	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
TIN, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	019	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
VANADIUM, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	019	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TC2-CP12-SBD							
SILVER, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	020	S	95GF735	03/28/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	020	S	95HG196	03/28/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
ANTIMONY, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	020	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
TIN, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	020	S	95GF735	03/28/95	03/29/95	03/30/95	03/30/95
VANADIUM, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	020	S	95GI566	03/28/95	03/29/95	03/30/95	03/31/95
TC2-CP13-SBS							
SILVER, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	021	S	95GF735	03/27/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	021	S	95HG196	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	021	S	95GF735	03/27/95	03/29/95	03/30/95	03/31/95
ANTIMONY, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	021	S	95GF735	03/27/95	03/29/95	03/30/95	03/30/95
TIN, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	021	S	95GF735	03/27/95	03/29/95	03/30/95	03/30/95
VANADIUM, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	021	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
TC2-CP13-SBD							
SILVER, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
ARSENIC, TOTAL	022	S	95GF735	03/27/95	03/29/95	03/30/95	03/31/95
BARIUM, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
BERYLLIUM, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
CADMIUM, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
COBALT, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
CHROMIUM, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
COPPER, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
MERCURY, TOTAL	022	S	95HG196	03/27/95	03/29/95	03/30/95	03/30/95
NICKEL, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
LEAD, TOTAL	022	S	95GF735	03/27/95	03/29/95	03/30/95	03/31/95

Weston Environmental Metrics, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
ANTIMONY, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
SELENIUM, TOTAL	022	S	95GF735	03/27/95	03/29/95	03/30/95	03/30/95
TIN, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
THALLIUM, TOTAL	022	S	95GF735	03/27/95	03/29/95	03/30/95	03/30/95
VANADIUM, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95
ZINC, TOTAL	022	S	95GI566	03/27/95	03/29/95	03/30/95	03/31/95

WESTON

CHAIN OF CUSTODY

Custody Transfer Record/Lab Work Request

WESTON

WESTON Analytics Use Only
9503G001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd.: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected	Refrigerator#	P	P	CLP	CLP	CLP				
				#/Type Container	3/G	3/G	Yp	Yp	Yp				
				Volume	40ml	40ml	1L	1L	1L				
				Preservative	X	X	X	X					
				ANALYSES REQUESTED	VOA 624N	VOA 624N	TOTAL IX metals	SOL IX metals	TSS	REDD			
001	TC2-CP11-GWS MS/MSD	W	3/28/95		X		X		X	X			
002	〃 〃	〃	〃					X					
003	GWD				X		X		X				
004	〃							X					
005	CP12-GWS					X	X		X				
006	〃							X					
007	GWD				X		X		X				
008	〃							X					
009	GWD-DP				X		X		X				
010	〃 〃		〃					X					
011	CP13-GWS		3/27/95			X	X		X				
012	〃							X					
013	GWD					X	X		X				
014	〃							X					
015	〃 CP11-GWD-FB	〃	3/28/95		X		X		X				

Matrix: W - Water, SO - Soil, SE - Sediment, SO - Solid, DS - Drum Solids, DL - Drum Liquids, A - Air, WI - Wipe, F - Fish, L - EP/TCLP Leachate, X - Other

Special Instructions: CLP 2X Volume For ms/msd VOA's

Item/Reason	Relinquished by	Received by	Date	Time
		P. Spaulding	3/29/95	1240
1-15 and 17-22 VOA	P. Spaulding	[illegible]	3/30/95	1320
17-22 Metals	P. Spaulding	[illegible]	3/30/95	0800
1-16 Hg/Metals	P. Spaulding	Cheryl Boyd	3/30/95	0940
17-22 Nitrate	[illegible]	[illegible]	3/30/95	0945
17-22 %Sol	[illegible]	[illegible]	3/30/95	1030

Item/Reason	Relinquished by	Received by	Date	Time
1-22 Hg/Metals	Cheryl Boyd	[illegible]	3/30/95	1100
11,13 TSS	[illegible]	[illegible]	3/31/95	10:10
11,13 TSS	[illegible]	[illegible]	3/31/95	14:25
1 Hg	[illegible]	Cheryl Boyd	3/31/95	09:00
1 Hg	Cheryl Boyd	[illegible]	4/1/95	1350
1,3,5,7,9,11,15 TSS	[illegible]	[illegible]	4/3/95	1600

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed) Y N
NOTES: See SDR

Labels Indicate
4 Properly Preserved Y N
NOTES:

5 Received Within Holding Times Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

Custody Transfer Record/Lab Work Request

Pg. 2 of 2

WESTON

WESTON Analytics Use Only

9503G001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd.: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

Refrigerator#	CLP	P	CLP						
#/Type Container	YP	YG	YG						
Volume	1L	2oz	4oz						
Preservative	X								
ANALYSES REQUESTED	SOL IX metals	VOA 624N	IX metals %SOL						

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected									
016	TC2-CP11-GWD-FB	W	3/28/95	X								
017	CP11-SBS ms/msd	S			X	X						
018	SBD											
019	CP12-SBS											
020	SBD											
021	CP13-SBS		3/27/95									
022	SBD											
~~023~~	~~TB~~	~~W~~										

PS 3/29/95

Matrix: S - Soil, SE - Sediment, SO - Solid, W - Water, O - Oil, A - Air, WI - Wipe, DS - Drum Solids, DL - Drum Liquids, F - Fish, L - EP/TCLP Leachate, X - Other

Special Instructions: CLP

2X Volume For ms/msd VOA's

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
		P. Spaulding	3/29/95	1240					
13,5,7,9,11,15 TSS	[illegible]	[illegible]	4/3/95	18:30					
1-1L metals	P. Spaulding	[illegible]	4/4/95	1830					
1-1L metals	[illegible]	[illegible]	4/4/95	1150					

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:
2 Ambient or Chilled
NOTES:
3 Received Broken/Leaking (Improperly Sealed) Y N
NOTES: SEE SDR
4 Properly Preserved Y N
NOTES: Labels Indicate
5 Received Within Holding Times Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7-115

WESTON Analytics Use Only
95036C01

Custody Transfer Record/Lab Work Request

WESTON MANAGERS DESIGNERS/CONSULTANTS

Page 1 of 1

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Client: Techalloy
Est. Final Proj. Sampling Date: 3/29/95
Work Order #: 01989-009-002
Project Contact/Phone #: Carlos Serna/Jameel X4021
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																							
#/Type Container	Liquid	Glass												Plastic		Plastic	Plastic						
	Solid																						
Volume	Liquid	40ml												1L		1L	1L						
	Solid																						
Preservatives		HCl												HNO3		HNO3	—						
ANALYSES REQUESTED →		ORGANIC												INORG									
		VOA	BNA	Pest/PCB	Herb									Metal	CN	Metals							

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 95	Time Collected	8240 ΔVinyl							Total		Dissolved	TSS				
001,2	TC2-CP11-GWS	✓	✓	W	3/28	1130	✓							✓		✓	✓				
003,4	TC2-CP11-GWD				3/28	1230	✓							✓		✓	✓				
005,6	TC2-CP12-GWS				3/28	845	✓							✓		✓	✓				
007,8	TC2-CP12-GWD				3/28	910	✓							✓		✓	✓				
009,10	TC2-CP12-GWD-DP				3/28	910	✓							✓		✓	✓				
011,12	TC2-CP13-GWS				3/27	1300	✓							✓		✓	✓				
013,14	TC2-CP13-GWD				3/27	1355	✓							✓		✓	✓				
	~~Field # Trip Blank~~			~~W~~	~~3/28~~	—	~~✓~~														
015,16	TC2-CP11-GWD-FB			W	3/28	1230	✓							✓		✓	✓				

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

* Metals are Appendix IX

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N SEE SDR
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

Relinquished by	Received by	Date	Time
[signature]	Gulf Coast	3/29/95	0938
	[signature]	3/29/95	1010

Relinquished by	Received by	Date	Time

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

WESTON Analytics Use Only
9503G001

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client Techalloy
Est. Final Proj. Sampling Date 3/29/95
Work Order # 01989-009-002
Project Contact/Phone # Carlos Serra/Jarrel X4021
AD Project Manager
QC ___ Del ___ TAT ___
Date Rec'd ___ Date Due ___
Account # ___

Refrigerator #
#/Type Container: Liquid 6 ... 6 ...; Solid
Volume: Liquid 2 oz ... 4 oz; Solid
Preservatives: –

ANALYSES REQUESTED → ORGANIC: VOA, BNA, Pest/PCB, Herb; INORG: Metal, CN

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	MS	MSD	Matrix	Date Collected (95)	Time Collected	VOA (8240 Avm/CA12)	Metal (Hg TX)
017	TC2-CP11-SBS	✓	✓	S	3/28	~~950~~ 1150	✓	✓
018	TC2-CP11-SBD			↓	3/28	~~1000~~ 1100	✓	✓
019	TC2-CP12-SBS				3/28	820	✓	✓
020	TC2-CP12-SBD				3/28	828	✓	✓
021	TC2-CP13-SBS				3/27	950	✓	✓
022	TC2-CP13-SBD			↓	3/27	1000	✓	✓

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:
~~023~~ 1. ~~TB prep date 3/29/95~~ PS 3/29/95
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill # ___
2) Ambient or (Chilled)
3) Received in Good Condition (Y) or N
4) Labels Indicate Properly Preserved (Y) or N
5) Received Within Holding Times (Y) or N

COC Tape was:
1) Present on Outer Package Y or (N)
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or (N)
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't (Y) or N

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Jarrel	Gulf Coast	3/29/95	938				
	[signature]	3/29/95	1010				

Discrepancies Between Samples Labels and COC Record? Y or (N) PS
NOTES: ~~TB not listed~~ 3/29/95

RFW 21-2[illegible]/A-7/91 ___ L372 ___ L373 ___ L37[illegible] ___ L377 ___ L378 Ref# ___ Cooler# ___ 381-596a

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

Digestion Date: 03/30/95 Digestion Batch No: 95GF735 Analyst: ED Client: TECHALLOY

Completion Date: 03/30/95 Type of Prep.: AA Method: 3050CLP Matrix: SOIL

Parameters: AS,SE,PB,TL
Type of Analysis: TOTAL

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH <2>	% Solids	C/D FACTOR	Parameters
95036001							
017	1.02	200		<		196.0784	
017 R	1.02	200		<		196.0784	
017 S	1.1	200	1	<		181.8182	
018	1.1	200		<		181.8182	
019	1.25	200		<		160.0000	
020	1.08	200		<		185.1852	
021	1.02	200		<		196.0784	
022	1.11	200		<		180.1802	
95GF735-MB1	1	200		<	100.00	0.2000	
95GF735-LC1 L	1	200	1	<	100.00	0.2000	

Not updated
waiting for % solids
chain of custody purpose only

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date Time	Received By	Relinquished By	Date	Time	Received By
all	[illegible]	3/30 15:00	[illegible]				
all	[illegible]	4/11/95 1140	L. Heim				

21

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

OK BH 4/4/95

Digestion Date: 04/04/95 Digestion Batch No: 95GF745 Analyst: ED Client: TECHALLOY

Completion Date: 04/04/95 Type of Prep.: AA Method: 3020CLP Matrix: WATER

Parameters: AS,SE,PB,TL
Type of Analysis: TOTAL

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH (2)	% Solids	C/D FACTOR	Parameters
95036001							
001	50	50		<		1.0000	
001 R	50	50		<		1.0000	
001 S	50	50	1	<		1.0000	
003	50	50		<		1.0000	
005	50	50		<		1.0000	
007	50	50		<		1.0000	
009	50	50		<		1.0000	
011	50	50		<		1.0000	
013	50	50		<		1.0000	
015	50	50		<		1.0000	
95GF745-MB1	50	50		<		1.0000	
95GF745-LC1 L	50	50	1	<		1.0000	

01

Updated NVC 4/4/95

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date Time	Received By	Relinquished By	Date	Time	Received By
all	[signature]	4/4/95 15:30	[signature]				
all	[signature]	4/4/95 1140	L. Hlavin				

22

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

OK
BH 4/4/95

Digestion Date: 04/04/95 Digestion Batch No: 956F745 Analyst: ED Client: TECHALLOY

Completion Date: 04/04/95 Type of Prep.: AA Method: 3020CLP Matrix: WATER

Parameters: AS,SE,PB,TL
Type of Analysis: SOLUBLE

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH <2>	% Solids	C/D FACTOR	Parameters
95036001							
002	50	50		<		1.0000	
002 R	50	50		<		1.0000	
002 S	50	50	1	<		1.0000	
004	50	50		<		1.0000	
006	50	50		<		1.0000	
008	50	50		<		1.0000	
010	50	50		<		1.0000	
012	50	50		<		1.0000	
014	50	50		<		1.0000	
016	50	50		<		1.0000	

02

Updated NVC 4/4/95

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date Time	Received By	Relinquished By	Date	Time	Received By

23

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

Digestion Date: 04/04/95 Digestion Batch No: 95GI580 Analyst: ED Client: TECHALLOY

Completion Date: 04/04/95 Type of Prep.: ICP Method: 3010CLP Matrix: WATER

Parameters: AG,BA,BE,CD,CO,CR,CU,NI,SB,SN,V-,ZN
Type of Analysis: TOTAL

OK BH 4/4/95

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH (2)	% Solids	C/D FACTOR	Parameters
95036001							
001	50	50		<		1.0000	
001 R	50	50		<		1.0000	
001 S	50	50	1	<		1.0000	
003	50	50		<		1.0000	
005	50	50		<		1.0000	
007	50	50		<		1.0000	
009	50	50		<		1.0000	
011	50	50		<		1.0000	
013	50	50		<		1.0000	
015	50	50		<		1.0000	
95GI580-MB1	50	50		<		1.0000	
95GI580-LCS1 L	50	50	1	<		1.0000	

01

Updated NVC 4/4/95

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date	Time	Received By	Relinquished By	Date	Time	Received By
	[illegible]	4/4/95	900	[illegible]				
	[illegible]	4/4/95	1140	[illegible]				

24

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

OK
BH
4/4/95

Digestion Date: 04/04/95 Digestion Batch No: 9561580 Analyst: ED Client: TECHALLOY

Completion Date: 04/04/95 Type of Prep.: ICP Method: 3010CLP Matrix: WATER

Parameters: AG,BA,BE,CD,CO,CR,CU,NI,SB,SN,V-,ZN
Type of Analysis: SOLUBLE

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH (2)	% Solids	C/D FACTOR	Parameters
9503G001							
002	50	50				1.0000	
002 R	50	50				1.0000	
002 S	50	50	1			1.0000	
004	50	50				1.0000	
006	50	50				1.0000	
008	50	50				1.0000	
010	50	50				1.0000	
012	50	50				1.0000	
014	50	50				1.0000	
016	50	50				1.0000	

02

Updated NVC 4/4/95

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date Time	Received By	Relinquished By	Date	Time	Received By

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

Digestion Date: 03/30/95 Digestion Batch No: 9561566 Analyst: ED Client: TECHALLOY

Completion Date: 03/30/95 Type of Prep.: ICP Method: 3050CLP Matrix: SOIL

Parameters: AG,BA,BE,CD,CO,CR,CU,NI,SB,SN,V-,ZN
Type of Analysis: TOTAL

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH <2>	% Solids	C/D FACTOR	Parameters
95036001							
017	1.05	200		<		190.4762	
017 R	1.08	200		<		185.1852	
017 S	1.02	200	1	<		196.0784	
018	1.06	200		<		188.6792	
019	1.24	200		<		161.2903	
020	1.16	200		<		172.4138	
021	1.09	200		<		183.4862	
022	1.14	200		<		175.4386	
9561566-MB1	1	200		<	100.00	0.2000	
9561566-LC1 L	1	200	1	<	100.00	0.2000	

Not updated
waiting for % solids
chain of custody purpose only

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date	Time	Received By	Relinquished By	Date	Time	Received By
		3/30/95	8:17					
		4/4/95	14:47					

DATA SUMMARY

CASE NARRATIVE

Weston Environmental Metrics, Inc.
INORGANICS CASE NARRATIVE

Client: Techalloy
RFW#: 9503G001
SDG#: G00101

W.O.#: 01989-009-002-0000
Date Rec'd: 03/29/95

1. This narrative covers the analysis of 16 water and 6 soil samples for the following metals:

   ICP .... Ag,Ba,Be,Cd,Co,Cr,Cu,Ni,Sb,Sn,V,Zn
   GFAA ... As,Se,Tl
   ICP .... Pb (samples 001,003,005,007,009,013,020)
   GFAA .... Pb (samples 002,004,006,008,010-012,014-019,021,022)
   CVAA .... Hg

   Method Ref: USEPA, CLP SOW ILM03.0

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limits.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

   Please note:
   ICP run 3 CCB4 (Lead) 13.1 ug/L
   Samples bracketed by the above CCB were not analyzed for Lead by ICP.
   ICP run 4 ICB (Lead) 16.1 ug/L
   Above calibration blank values are below the standard reporting limit of 50 ug/l for Lead by ICP.

5. All Preparation/Method Blanks were below reporting limits.

6. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

7. All Laboratory Control Samples (LCS) were within the 80-120% control limits.
   Please note: The LCS recovery for Silver for the soil digestion batch 95GI566 was 61.0% However, as per CLP SOW reanalysis was not required.

8. All Serial dilution analysis were within control limits.

Metals case narrative
9503G001

9. All Matrix Spike recoveries were within the 75-125% control limits (exception allowed when the sample concentration exceeds the spike added concentration by a factor of four or more) except for:

9503G001-001	Sb	0.0%	Se	139.0%	9503G001-002	Se	68.6%
	As	0.0	Ag	67.2			
	Cd	140.8	Tl	26.4	9503G001-017	Sb	34.2
	Hg	152.2				As	62.0

Post matrix spike analysis was performed as following:

9503G001-001	Sb	109.3%	9503G001-017	Sb	107.2%
	Cd	135.5			

10. All Duplicate analysis were within the 20% Relative Percent Difference (RPD) control limits for sample results greater than 5X the reporting limit or +/- the reporting limit for sample results less than 5X the reporting limits except for:

9503G001-001	Hg	20.9%	9503G001-017	Pb	20.7%
	Pb	162.8			

11. All Analytical spike recovery analyses were within control limits except for:

As	011,012
Pb	016
Se	002,003,013,017,018,022
Tl	001,003,005,007,009,011,013,022

12. Method of Standard Additions (MSA) analyses was performed as following:

As 005,017,017D,019-022

13. Please note: Sample 001 was analyzed for Lead by GFAA for QC purpose only. Due to high Lead concentration in the Sample ICP result was reported. Review of the GFAA results indicate significant variation in the results. There was also very high background interference noted in while anlysing the sample. The sample contained significant amount of sediments. There was not enough sample for reanalysis.

Metals case narrative
9503G001

14. All sample ID's were modified on all CLP forms to accommodate the EPA naming convention which allows a maximum of 6 characters. Please refer to the Cover Page of the CLP Forms to correlate the modified sample ID's to the RFW#'s and to the Chain of Custody to correlate RFW#'s to the client ID.

Mani S. Iyer
Metals Section Manager

4/21/95
Date

INORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Inorganic Data Qualifiers

B	Result is less than the CRDL, but greater than or equal to the instrument detection limit
E	Result is estimated due to interference
M	Analyte concentrations are greater than the CRDL, and the RSD of duplicate injections was greater than 20%
N	Matrix Spike recovery was outside the control limits
S	Result was determined by the Method of Standard Additions (MSA)
T	Analyte was found in the TCLP extraction blank and sample
U	Analyte was not detected at or above the reporting limit
W	Post-digestion spike was outside 85-115% control limits, sample absorbance is less than 50% of spike absorbance
+	MSA correlation coefficient is less than 0.995
*	Duplicate analysis was outside the control limits

Abbreviations

A	Analyzed by flame A.A. direct aspiration
Batch	Identifies a specific extraction, digestion or preparation set (equivalent to Prep Batch)
BS	Blank Spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
C	Cyanide analyte flag on CLP forms
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blank
CD	Calculation Factor used by the laboratory's Information Management System (LIMS)
CV	Analyzed by the cold vapor generation method for Mercury
Contract	Contract Laboratory Identification Code
DF	Dilution Factor
F	Analyzed by graphite furnace atomic absorption spectroscopy
ICV	Initial Calibration Verification
ICB	Initial Calibration Blank
LCS/LC	Denotes Laboratory Control Standard
LAB ID	The full 12 character WESTON Laboratory Identification Number (equivalent to RFW#)
MB	Method Blank or (PB) for Preparation Blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Non-calculable precision due to insufficient concentration of analyte present in the sample
NR	Not Required
NS	Not Spiked
P	Analyzed by inductively coupled argon plasma
REP	Replicate analysis
RFW#	The full 12 character WESTON Laboratory Idenficiation number (equivalent to LAB ID)
RFW Lot	The first 8 characters of the RFW#
RPD	Relative Percent Difference of duplicate analyses
X	Result obtained indirectly through calculation based on results from other analyses
WO#	Work Order No. Weston Code used to define a specific clinet, job phase and task

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

DATA REPORTING FORMS

WESTON®
MANAGERS DESIGNERS/CONSULTANTS

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-001**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	1.9	uR	ug/L	1.9
Barium, Total	1960		ug/L	4.0
Beryllium, Total	15.9		ug/L	1.5
Cadmium, Total	23.6	J	ug/L	14.5
Cobalt, Total	265		ug/L	11.5
Chromium, Total	3630		ug/L	23.5
Copper, Total	3240		ug/L	20.0
Mercury, Total	2.9	J	ug/L	0.20
Nickel, Total	4990		ug/L	21.0
Lead, Total	15000	J	ug/L	60.5
Antimony, Total	54.5	uR	ug/L	54.5
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	183		ug/L	92.0
Thallium, Total	1.7	uR	ug/L	1.7
Vanadium, Total	963		ug/L	10.5
Zinc, Total	19300		ug/L	9.5

L. Kovacka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-002**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	62.1		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	2.3	u	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	7.4		ug/L	4.0
Mercury, Soluble	0.20	u J	ug/L	0.20
Nickel, Soluble	36.9	J	ug/L	4.2
Lead, Soluble	3.1	J	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	2.3	J	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	284		ug/L	1.9

L. Korobca
4/27/95

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Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-003**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	1.9	XR	ug/L	1.9
Barium, Total	1390		ug/L	4.0
Beryllium, Total	14.8		ug/L	1.5
Cadmium, Total	14.5	uJ	ug/L	14.5
Cobalt, Total	341		ug/L	11.5
Chromium, Total	1220		ug/L	23.5
Copper, Total	3740		ug/L	20.0
Mercury, Total	1.6	J	ug/L	0.20
Nickel, Total	1440		ug/L	21.0
Lead, Total	1950	J	ug/L	60.5
Antimony, Total	54.5	XR	ug/L	54.5
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	251		ug/L	92.0
Thallium, Total	1.7	XR	ug/L	1.7
Vanadium, Total	1260		ug/L	10.5
Zinc, Total	9010		ug/L	9.5

L. Kolodka
4/27/95

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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-004**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	45.9		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	2.3	u	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	11.5	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	10.8		ug/L	1.9

L. Wolska
4/27/95

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-005**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	14.7	J	ug/L	1.9
Barium, Total	2180		ug/L	0.80
Beryllium, Total	13.8		ug/L	0.30
Cadmium, Total	7.2	J	ug/L	2.9
Cobalt, Total	234		ug/L	2.3
Chromium, Total	808		ug/L	4.7
Copper, Total	1360		ug/L	4.0
Mercury, Total	0.76	J	ug/L	0.20
Nickel, Total	1090		ug/L	4.2
Lead, Total	7210	J	ug/L	12.1
Antimony, Total	15.5	J	ug/L	10.9
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	75.9		ug/L	18.4
Thallium, Total	1.7	UR	ug/L	1.7
Vanadium, Total	820		ug/L	2.1
Zinc, Total	11700		ug/L	1.9

K. Wrobbel
4/27/95

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To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-GWS
Project # 01989-009-002-0000
Lab ID: 9503G001-006
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	51.2		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	4.3	J	ug/L	2.3
Chromium, Soluble	7.8		ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	4.6	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	u J	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	463		ug/L	1.9

L. Kosobka
4/27/95

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3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	3.0	J	ug/L	1.9
Barium, Total	8730		ug/L	4.0
Beryllium, Total	15.7		ug/L	1.5
Cadmium, Total	14.5	uJ	ug/L	14.5
Cobalt, Total	541		ug/L	11.5
Chromium, Total	907		ug/L	23.5
Copper, Total	2600		ug/L	20.0
Mercury, Total	1.1	J	ug/L	0.20
Nickel, Total	900		ug/L	21.0
Lead, Total	2060	J	ug/L	60.5
Antimony, Total	54.5	uR	ug/L	54.5
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	92.0	u	ug/L	92.0
Thallium, Total	1.9	J	ug/L	1.7
Vanadium, Total	1070		ug/L	10.5
Zinc, Total	7360		ug/L	9.5

L. Krocka
4/27/95

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3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-008**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	57.9		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	5.2	J	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	5.6	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	19.0		ug/L	1.9

L. Kroeka
4/27/95

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Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD-DP**
Project # 01989-009-002-0000
Lab ID: **9503G001-009**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	7.1	J	ug/L	1.9
Barium, Total	4630		ug/L	0.80
Beryllium, Total	7.8		ug/L	0.30
Cadmium, Total	4.3	J	ug/L	2.9
Cobalt, Total	287		ug/L	2.3
Chromium, Total	515		ug/L	4.7
Copper, Total	1480		ug/L	4.0
Mercury, Total	0.66	J	ug/L	0.20
Nickel, Total	506		ug/L	4.2
Lead, Total	1090	J	ug/L	12.1
Antimony, Total	22.8	J	ug/L	10.9
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	51.1		ug/L	18.4
Thallium, Total	1.7	UR	ug/L	1.7
Vanadium, Total	583		ug/L	2.1
Zinc, Total	4350		ug/L	1.9

L. Krobka
4/27/95

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3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD-DP**
Project # 01989-009-002-0000
Lab ID: **9503G001-010**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	53.9		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	4.9	J	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	7.6	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	21.3		ug/L	1.9

K. McRobbie
4/27/95

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	4.0	J	ug/L	1.9
Barium, Total	3300		ug/L	4.0
Beryllium, Total	29.2		ug/L	1.5
Cadmium, Total	30.8	J	ug/L	14.5
Cobalt, Total	551		ug/L	11.5
Chromium, Total	1870		ug/L	23.5
Copper, Total	2740		ug/L	20.0
Mercury, Total	3.7	J	ug/L	0.20
Nickel, Total	1400		ug/L	21.0
Lead, Total	1.8	J	ug/L	1.6
Antimony, Total	54.5	uR	ug/L	54.5
Selenium, Total	9.9	J	ug/L	7.5
Tin, Total	130		ug/L	92.0
Thallium, Total	1.7	uR	ug/L	1.7
Vanadium, Total	1360		ug/L	10.5
Zinc, Total	16400		ug/L	9.5

L. Krobba
4/27/95

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-012**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	2.4		ug/L	1.9
Barium, Soluble	46.8		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	2.3	u	ug/L	2.3
Chromium, Soluble	4.8	J	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	6.8	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	3.8	J	ug/L	2.1
Zinc, Soluble	8.9	J	ug/L	1.9

L. Kolodka
4/27/95

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-013**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	12.5	uJ	ug/L	12.5
Arsenic, Total	28.5	J	ug/L	1.9
Barium, Total	1680		ug/L	4.0
Beryllium, Total	15.2		ug/L	1.5
Cadmium, Total	14.5	uJ	ug/L	14.5
Cobalt, Total	378		ug/L	11.5
Chromium, Total	912		ug/L	23.5
Copper, Total	2200		ug/L	20.0
Mercury, Total	1.3	J	ug/L	0.20
Nickel, Total	918		ug/L	21.0
Lead, Total	1100	J	ug/L	60.5
Antimony, Total	57.7	J	ug/L	54.5
Selenium, Total	7.5	uJ	ug/L	7.5
Tin, Total	92.0	u	ug/L	92.0
Thallium, Total	8.5	UR	ug/L	8.5
Vanadium, Total	915		ug/L	10.5
Zinc, Total	5460		ug/L	9.5

L. Kolodka
4/27/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-014**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	5.1		ug/L	1.9
Barium, Soluble	114		ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	2.3	u	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	7.6	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	9.5	J	ug/L	1.9

L. Kosobra
4/27/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD-FB**
Project # 01989-009-002-0000
Lab ID: **9503G001-015**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	2.5	uJ	ug/L	2.5
Arsenic, Total	1.9	uR	ug/L	1.9
Barium, Total	1.0	J	ug/L	0.80
Beryllium, Total	0.30	u	ug/L	0.30
Cadmium, Total	2.9	uJ	ug/L	2.9
Cobalt, Total	2.3	u	ug/L	2.3
Chromium, Total	4.7	u	ug/L	4.7
Copper, Total	4.0	u	ug/L	4.0
Mercury, Total	0.20	uJ	ug/L	0.20
Nickel, Total	6.7	J	ug/L	4.2
Lead, Total	1.6	uJ	ug/L	1.6
Antimony, Total	10.9	uR	ug/L	10.9
Selenium, Total	1.5	uJ	ug/L	1.5
Tin, Total	18.4	u	ug/L	18.4
Thallium, Total	1.7	uR	ug/L	1.7
Vanadium, Total	2.1	u	ug/L	2.1
Zinc, Total	1.9	u	ug/L	1.9

R. Kosaka 4/27/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD-FB**
Project # 01989-009-002-0000
Lab ID: **9503G001-016**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Soluble	2.5	u	ug/L	2.5
Arsenic, Soluble	1.9	u	ug/L	1.9
Barium, Soluble	0.80	u	ug/L	0.80
Beryllium, Soluble	0.30	u	ug/L	0.30
Cadmium, Soluble	2.9	u	ug/L	2.9
Cobalt, Soluble	2.3	u	ug/L	2.3
Chromium, Soluble	4.7	u	ug/L	4.7
Copper, Soluble	4.0	u	ug/L	4.0
Mercury, Soluble	0.20	u	ug/L	0.20
Nickel, Soluble	5.2	J	ug/L	4.2
Lead, Soluble	1.6	u	ug/L	1.6
Antimony, Soluble	10.9	u	ug/L	10.9
Selenium, Soluble	1.5	uJ	ug/L	1.5
Tin, Soluble	18.4	u	ug/L	18.4
Thallium, Soluble	1.7	u	ug/L	1.7
Vanadium, Soluble	2.1	u	ug/L	2.1
Zinc, Soluble	1.9	u	ug/L	1.9

K. Korotka
4/27/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-017
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit	
Silver, Total	0.56	uJ J	mg/kg	0.56	
Arsenic, Total	4.0	J	mg/kg	0.43	—
Barium, Total	60.6		mg/kg	0.18	
Beryllium, Total	0.24	J	mg/kg	0.067	—
Cadmium, Total	0.64	uJ	mg/kg	0.64	
Cobalt, Total	3.0		mg/kg	0.51	
Chromium, Total	18.4		mg/kg	1.0	
Copper, Total	11.6		mg/kg	0.89	
Mercury, Total	0.11	uJ	mg/kg	0.11	
Nickel, Total	14.1		mg/kg	0.93	
Lead, Total	32.4	J	mg/kg	3.7	
Antimony, Total	2.4	uJ UR	mg/kg	2.4	—
Selenium, Total	0.34	uJ	mg/kg	0.34	
Tin, Total	5.0	J	mg/kg	4.1	—
Thallium, Total	0.39	U UR	mg/kg	0.39	
Vanadium, Total	26.5		mg/kg	0.47	
Zinc, Total	69.4		mg/kg	0.42	

L. Lorska
4/27/95

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Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	0.52	uJ	mg/kg	0.52
Arsenic, Total	1.8	J	mg/kg	0.38
Barium, Total	30.2		mg/kg	0.17
Beryllium, Total	0.11	J	mg/kg	0.063
Cadmium, Total	0.61	u	mg/kg	0.61
Cobalt, Total	3.5		mg/kg	0.48
Chromium, Total	11.2		mg/kg	0.99
Copper, Total	12.0		mg/kg	0.84
Mercury, Total	0.11	u	mg/kg	0.11
Nickel, Total	14.0		mg/kg	0.88
Lead, Total	25.3	J	mg/kg	1.6
Antimony, Total	2.3	uJ	mg/kg	2.3
Selenium, Total	0.30	u	mg/kg	0.30
Tin, Total	3.9	u	mg/kg	3.9
Thallium, Total	0.34	u	mg/kg	0.34
Vanadium, Total	16.5		mg/kg	0.44
Zinc, Total	70.4		mg/kg	0.40

L. Kolodka 4/27/95

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To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	0.44	uJ	mg/kg	0.44
Arsenic, Total	2.7	J	mg/kg	0.33
Barium, Total	19.0		mg/kg	0.14
Beryllium, Total	0.093	J	mg/kg	0.052
Cadmium, Total	0.51	u	mg/kg	0.51
Cobalt, Total	3.2		mg/kg	0.40
Chromium, Total	9.6		mg/kg	0.82
Copper, Total	7.2		mg/kg	0.70
Mercury, Total	0.094	u	mg/kg	0.094
Nickel, Total	8.3		mg/kg	0.73
Lead, Total	5.1	J	mg/kg	0.28
Antimony, Total	1.9	uJ	mg/kg	1.9
Selenium, Total	0.26	u	mg/kg	0.26
Tin, Total	3.2	u	mg/kg	3.2
Thallium, Total	0.30	u	mg/kg	0.29
Vanadium, Total	18.0		mg/kg	0.37
Zinc, Total	15.8		mg/kg	0.33

K. Krouse
4/27/95

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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-020**
Sample Date: 03/28/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	0.50	uJ	mg/kg	0.50
Arsenic, Total	3.3	J	mg/kg	0.41
Barium, Total	74.6		mg/kg	0.16
Beryllium, Total	0.38	J	mg/kg	0.060
Cadmium, Total	0.58	u	mg/kg	0.58
Cobalt, Total	3.9		mg/kg	0.46
Chromium, Total	15.4		mg/kg	0.94
Copper, Total	9.0		mg/kg	0.80
Mercury, Total	0.083	u	mg/kg	0.083
Nickel, Total	12.4		mg/kg	0.84
Lead, Total	33.0	J	mg/kg	2.4
Antimony, Total	2.2	uJ	mg/kg	2.2
Selenium, Total	0.35		mg/kg	0.32
Tin, Total	3.7	u	mg/kg	3.7
Thallium, Total	0.37	u	mg/kg	0.37
Vanadium, Total	29.0		mg/kg	0.42
Zinc, Total	34.6		mg/kg	0.38

L. Wolke
4/27/95

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To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP13-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-021**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	0.52	uJ	mg/kg	0.52
Arsenic, Total	2.7	J	mg/kg	0.43
Barium, Total	62.9		mg/kg	0.17
Beryllium, Total	0.32	J	mg/kg	0.063
Cadmium, Total	0.61	u	mg/kg	0.61
Cobalt, Total	4.1		mg/kg	0.48
Chromium, Total	13.0		mg/kg	0.98
Copper, Total	7.5		mg/kg	0.84
Mercury, Total	0.082	u	mg/kg	0.082
Nickel, Total	9.7		mg/kg	0.88
Lead, Total	8.5	J	mg/kg	0.72
Antimony, Total	2.3	uJ	mg/kg	2.3
Selenium, Total	0.34	u	mg/kg	0.34
Tin, Total	5.3	J	mg/kg	3.9
Thallium, Total	0.38	u	mg/kg	0.38
Vanadium, Total	26.2		mg/kg	0.44
Zinc, Total	24.0		mg/kg	0.40

LKolodka
4/27/95

Weston Environmental Metrics, Inc.
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Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-022**
Sample Date: 03/27/95
Date Received: 03/29/95

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Silver, Total	0.46	uJ	mg/kg	0.46
Arsenic, Total	2.9	J	mg/kg	0.36
Barium, Total	8.7		mg/kg	0.15
Beryllium, Total	0.06	J	mg/kg	0.056
Cadmium, Total	0.86		mg/kg	0.54
Cobalt, Total	1.7		mg/kg	0.43
Chromium, Total	5.0		mg/kg	0.87
Copper, Total	9.2		mg/kg	0.74
Mercury, Total	0.092	u	mg/kg	0.092
Nickel, Total	4.1		mg/kg	0.78
Lead, Total	4.4	J	mg/kg	0.31
Antimony, Total	2.0	uJ	mg/kg	2.0
Selenium, Total	0.29	u	mg/kg	0.29
Tin, Total	3.4	u	mg/kg	3.4
Thallium, Total	0.32	u	mg/kg	0.32
Vanadium, Total	10.9		mg/kg	0.39
Zinc, Total	20.9		mg/kg	0.35

L. Kaczka
4/27/95

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
G00101	9503G001-001
G00101D	9503G001-001R
G00101S	9503G001-001S
G00102	9503G001-002
G00102D	9503G001-002R
G00102S	9503G001-002S
G00103	9503G001-003
G00104	9503G001-004
G00105	9503G001-005
G00106	9503G001-006
G00107	9503G001-007
G00108	9503G001-008
G00109	9503G001-009
G00110	9503G001-010
G00111	9503G001-011
G00112	9503G001-012
G00113	9503G001-013
G00114	9503G001-014
G00115	9503G001-015
G00116	9503G001-016

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 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 the Manager's designee, as verified by the following signature.

Signature: Mani S. Iyer Name: MANI S. IYER

Date: 4/21/95 Title: Metals Section Manager

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

L Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
_G00117_____	_9503G001-017___
_G00117D_____	_9503G001-017R__
_G00117S_____	_9503G001-017S__
_G00118_____	_9503G001-018___
_G00119_____	_9503G001-019___
_G00120_____	_9503G001-020___
_G00121_____	_9503G001-021___
_G00122_____	_9503G001-022___
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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 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 the Manager's designee, as verified by the following signature.

Signature: Mani S. Iyer Name: MANI S. IYER

Date: 4/21/95 Title: Metals Section Manager

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00101

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-001

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	54.5	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	1960			P
7440-41-7	Beryllium	15.9	B		P
7440-43-9	Cadmium	23.6	B	N	P
7440-47-3	Chromium	3630			P
7440-48-4	Cobalt	265			P
7440-50-8	Copper	3240			P
7439-92-1	Lead	15000			P
7439-97-6	Mercury	2.9		N*	CV
7440-02-0	Nickel	4990			P
7782-49-2	Selenium	7.5	U	N	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	183	B		P
7440-28-0	Thallium	1.7	U	WN	F
7440-62-2	Vanadium	963			P
7440-66-6	Zinc	19300			P

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

_____

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00102

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-002

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	62.1	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	7.4	B		P
7439-92-1	Lead	3.1		*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	36.9	B		P
7782-49-2	Selenium	2.3	B	WN	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	284			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00103

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-003

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	54.5	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	1390			P
7440-41-7	Beryllium	14.8	B		P
7440-43-9	Cadmium	14.5	U	N	P
7440-47-3	Chromium	1220			P
7440-48-4	Cobalt	341			P
7440-50-8	Copper	3740			P
7439-92-1	Lead	1950			P
7439-97-6	Mercury	1.6		N*	CV
7440-02-0	Nickel	1440			P
7782-49-2	Selenium	7.5	U	WN	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	251	B		P
7440-28-0	Thallium	1.7	U	WN	F
7440-62-2	Vanadium	1260			P
7440-66-6	Zinc	9010			P

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00104

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-004

Level (low/med): LOW__ Date Received: 03/29/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	10.9	U	N	P_
7440-38-2	Arsenic__	1.9	U	N	F_
7440-39-3	Barium___	45.9	B		P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	2.9	U	N	P_
7440-47-3	Chromium_	4.7	U		P_
7440-48-4	Cobalt___	2.3	U		P_
7440-50-8	Copper___	4.0	U		P_
7439-92-1	Lead____	1.6	U	*	F_
7439-97-6	Mercury__	0.20	U	N*	CV
7440-02-0	Nickel___	11.5	B		P_
7782-49-2	Selenium_	1.5	U	N	F_
7440-22-4	Silver___	2.5	U	N	P_
7440-31-5	Tin_____	18.4	U		P_
7440-28-0	Thallium_	1.7	U	N	F_
7440-62-2	Vanadium_	2.1	U		P_
7440-66-6	Zinc____	10.8	B		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00105

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-005

Level (low/med): LOW__ Date Received: 03/29/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	15.5	B	N	P_
7440-38-2	Arsenic__	14.7	_	SN	F_
7440-39-3	Barium___	2180	_		P_
7440-41-7	Beryllium	13.8	_		P_
7440-43-9	Cadmium__	7.2	_	N	P_
7440-47-3	Chromium_	808	_		P_
7440-48-4	Cobalt___	234	_		P_
7440-50-8	Copper___	1360	_		P_
7439-92-1	Lead____	7210	_		P_
7439-97-6	Mercury__	0.76	_	N*	CV
7440-02-0	Nickel___	1090	_		P_
7782-49-2	Selenium_	7.5	U	N	F_
7440-22-4	Silver___	12.5	U	N	P_
7440-31-5	Tin_____	75.9	B		P_
7440-28-0	Thallium_	1.7	U	WN	F_
7440-62-2	Vanadium_	820	_		P_
7440-66-6	Zinc____	11700	_		P_
			_		
			_		
			_		
			_		
			_		
			_		
			_		
			_		

Color Before: BROWN____ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

_____

_____

_____

_____

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00106

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-006

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	51.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	7.8	B		P
7440-48-4	Cobalt	4.3	B		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	4.6	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	463			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00107

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-007

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	54.5	U	N	P
7440-38-2	Arsenic	3.0	B	N	F
7440-39-3	Barium	8730			P
7440-41-7	Beryllium	15.7	B		P
7440-43-9	Cadmium	14.5	U	N	P
7440-47-3	Chromium	907			P
7440-48-4	Cobalt	541			P
7440-50-8	Copper	2600			P
7439-92-1	Lead	2060			P
7439-97-6	Mercury	1.1		N*	CV
7440-02-0	Nickel	900			P
7782-49-2	Selenium	7.5	U	N	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	92.0	U		P
7440-28-0	Thallium	1.9	B	WN	F
7440-62-2	Vanadium	1070			P
7440-66-6	Zinc	7360			P

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00108

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-008

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	57.9	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	5.6	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	19.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00109

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-009

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	22.8	B	N	P
7440-38-2	Arsenic	7.1	B	N	F
7440-39-3	Barium	4630			P
7440-41-7	Beryllium	7.8			P
7440-43-9	Cadmium	4.3	B	N	P
7440-47-3	Chromium	515			P
7440-48-4	Cobalt	287			P
7440-50-8	Copper	1480			P
7439-92-1	Lead	1090			P
7439-97-6	Mercury	0.66		N*	CV
7440-02-0	Nickel	506			P
7782-49-2	Selenium	7.5	U	N	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	51.1	B		P
7440-28-0	Thallium	1.7	U	WN	F
7440-62-2	Vanadium	583			P
7440-66-6	Zinc	4350			P

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00110

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-010

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	53.9	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	7.6	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	21.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00111

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-011

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	54.5	U	N	P
7440-38-2	Arsenic	4.0	B	WN	F
7440-39-3	Barium	3300			P
7440-41-7	Beryllium	29.2			P
7440-43-9	Cadmium	30.8		N	P
7440-47-3	Chromium	1870			P
7440-48-4	Cobalt	551			P
7440-50-8	Copper	2740			P
7439-92-1	Lead	1.8	B	*	F
7439-97-6	Mercury	3.7		N*	CV
7440-02-0	Nickel	1400			P
7782-49-2	Selenium	9.9	B	N	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	130	B		P
7440-28-0	Thallium	1.7	U	WN	F
7440-62-2	Vanadium	1360			P
7440-66-6	Zinc	16400			P

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00112

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-012

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	2.4	B	WN	F
7440-39-3	Barium	46.8	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.8	B		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	6.8	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	8.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00113

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-013

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	57.7	B	N	P
7440-38-2	Arsenic	28.5		N	F
7440-39-3	Barium	1680			P
7440-41-7	Beryllium	15.2	B		P
7440-43-9	Cadmium	14.5	U	N	P
7440-47-3	Chromium	912			P
7440-48-4	Cobalt	378			P
7440-50-8	Copper	2200			P
7439-92-1	Lead	1100			P
7439-97-6	Mercury	1.3		N*	CV
7440-02-0	Nickel	918			P
7782-49-2	Selenium	7.5	U	WN	F
7440-22-4	Silver	12.5	U	N	P
7440-31-5	Tin	92.0	U		P
7440-28-0	Thallium	8.5	U	WN	F
7440-62-2	Vanadium	915			P
7440-66-6	Zinc	5460			P

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00114

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-014

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	5.1	B	N	F
7440-39-3	Barium	114	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	7.6	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	9.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00115

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-015

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	1.0	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	6.7	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00116

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): WATER Lab Sample ID: 9503G001-016

Level (low/med): LOW Date Received: 03/29/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	10.9	U	N	P
7440-38-2	Arsenic	1.9	U	N	F
7440-39-3	Barium	0.80	U		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	2.9	U	N	P
7440-47-3	Chromium	4.7	U		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	4.0	U		P
7439-92-1	Lead	1.6	U	W*	F
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	5.2	B		P
7782-49-2	Selenium	1.5	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-31-5	Tin	18.4	U		P
7440-28-0	Thallium	1.7	U	N	F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00117

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL_ Lab Sample ID: 9503G001-017

Level (low/med): LOW__ Date Received: 03/29/95

% Solids: _85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	2.4	U	N	P_
7440-38-2	Arsenic__	4.0	_	SN	F_
7440-39-3	Barium___	60.6	_	_____	P_
7440-41-7	Beryllium	0.24	B	_____	P_
7440-43-9	Cadmium__	0.64	U	_____	P_
7440-47-3	Chromium_	18.4	_	_____	P_
7440-48-4	Cobalt___	3.0	B	_____	P_
7440-50-8	Copper___	11.6	_	_____	P_
7439-92-1	Lead_____	32.4	_	_____	F_
7439-97-6	Mercury__	0.11	U	_____	CV
7440-02-0	Nickel___	14.1	_	_____	P_
7782-49-2	Selenium_	0.34	U	W	F_
7440-22-4	Silver___	0.56	U	_____	P_
7440-31-5	Tin_____	5.0	B	_____	P_
7440-28-0	Thallium_	0.39	U	_____	F_
7440-62-2	Vanadium_	26.5	_	_____	P_
7440-66-6	Zinc_____	69.4	_	_____	P_
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__
_____	_____	_____	_	_____	__

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00118

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL Lab Sample ID: 9503G001-018

Level (low/med): LOW Date Received: 03/29/95

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	1.8	B	N	F
7440-39-3	Barium	30.2	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.61	U		P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	3.5	B		P
7440-50-8	Copper	12.0			P
7439-92-1	Lead	25.3			F
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	14.0			P
7782-49-2	Selenium	0.30	U	W	F
7440-22-4	Silver	0.52	U		P
7440-31-5	Tin	3.9	U		P
7440-28-0	Thallium	0.34	U		F
7440-62-2	Vanadium	16.5			P
7440-66-6	Zinc	70.4			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00119

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): SOIL Lab Sample ID: 9503G001-019

Level (low/med): LOW Date Received: 03/29/95

% Solids: 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	2.7		SN	F
7440-39-3	Barium	19.0	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.51	U		P
7440-47-3	Chromium	9.6			P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	7.2			P
7439-92-1	Lead	5.1			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	8.3			P
7782-49-2	Selenium	0.26	U		F
7440-22-4	Silver	0.44	U		P
7440-31-5	Tin	3.2	U		P
7440-28-0	Thallium	0.30	U		F
7440-62-2	Vanadium	18.0			P
7440-66-6	Zinc	15.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00120

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

Matrix (soil/water): SOIL Lab Sample ID: 9503G001-020

Level (low/med): LOW Date Received: 03/29/95

% Solids: 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	3.3		SN	F
7440-39-3	Barium	74.6			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.58	U		P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	9.0			P
7439-92-1	Lead	33.0		*	P
7439-97-6	Mercury	0.08	U		CV
7440-02-0	Nickel	12.4			P
7782-49-2	Selenium	0.35	B		F
7440-22-4	Silver	0.50	U		P
7440-31-5	Tin	3.7	U		P
7440-28-0	Thallium	0.37	U		F
7440-62-2	Vanadium	29.0			P
7440-66-6	Zinc	34.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

G00121

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL Lab Sample ID: 9503G001-021

Level (low/med): LOW Date Received: 03/29/95

% Solids: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	2.7		SN	F
7440-39-3	Barium	62.9			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.61	U		P
7440-47-3	Chromium	13.0			P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	7.5			P
7439-92-1	Lead	8.5			F
7439-97-6	Mercury	0.08	U		CV
7440-02-0	Nickel	9.7			P
7782-49-2	Selenium	0.34	U		F
7440-22-4	Silver	0.52	U		P
7440-31-5	Tin	5.3	B		P
7440-28-0	Thallium	0.38	U		F
7440-62-2	Vanadium	26.2			P
7440-66-6	Zinc	24.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
G00122

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL Lab Sample ID: 9503G001-022

Level (low/med): LOW Date Received: 03/29/95

% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	2.9		SN	F
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.86	B		P
7440-47-3	Chromium	5.0			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	9.2			P
7439-92-1	Lead	4.4			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	4.1	B		P
7782-49-2	Selenium	0.29	U	W	F
7440-22-4	Silver	0.46	U		P
7440-31-5	Tin	3.4	U		P
7440-28-0	Thallium	0.32	U	W	F
7440-62-2	Vanadium	10.9			P
7440-66-6	Zinc	20.9			P

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	800.0	828.37	103.5	1000.0	1049.41	104.9	1056.44	105.6	P
Arsenic	25.0	26.77	107.1	35.0	35.56	101.6	36.31	103.7	F
Barium	8000.0	8201.19	102.5	10000.0	10163.27	101.6	10197.56	102.0	P
Beryllium	2000.0	2031.76	101.6	2500.0	2536.30	101.5	2577.20	103.1	P
Cadmium	2000.0	2037.77	101.9	2500.0	2551.70	102.1	2594.39	103.8	P
[illegible]omium	4000.0	4151.61	103.8	5000.0	5091.80	101.8	5148.55	103.0	P
[illegible]alt	4000.0	4164.80	104.1	5000.0	5218.05	104.4	5294.49	105.9	P
Copper	4000.0	4083.56	102.1	5000.0	5106.00	102.1	5120.43	102.4	P
Lead	4000.0	4091.40	102.3	5000.0	5132.75	102.7	5238.83	104.8	P
Mercury	2.0	1.94	97.0	1.0	1.04	104.0	0.99	99.0	CV
Nickel	4000.0	4148.71	103.7	5000.0	5177.87	103.6	5260.29	105.2	P
Selenium	35.0	34.89	99.7	25.0	25.17	100.7	24.58	98.3	F
Silver	800.0	812.51	101.6	1000.0	1021.88	102.2	1033.69	103.4	P
Tin	4000.0	4128.51	103.2	5000.0	5171.34	103.4	5256.56	105.1	P
Thallium	25.0	24.88	99.5	35.0	34.65	99.0	33.58	95.9	F
Vanadium	4000.0	4119.15	103.0	5000.0	5182.23	103.6	5229.40	104.6	P
Zinc	4000.0	4040.98	101.0	5000.0	5129.90	102.6	5221.62	104.4	P

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony				1000.0	1068.95	106.9			P
Arsenic				35.0	35.40	101.1	34.67	99.1	F
Barium				10000.0	10248.94	102.5			P
Beryllium				2500.0	2599.47	104.0			P
Cadmium				2500.0	2599.17	104.0			P
C omium				5000.0	5151.16	103.0			P
C alt				5000.0	5314.14	106.3			P
Copper				5000.0	5139.47	102.8			P
Lead				5000.0	5262.67	105.3			P
Mercury				1.0	0.98	98.0			CV
Nickel				5000.0	5274.92	105.5			P
Selenium				25.0	22.84	91.4	23.28	93.1	F
Silver				1000.0	1034.42	103.4			P
Tin				5000.0	5236.79	104.7			P
Thallium				35.0	33.26	95.0	33.68	96.2	F
Vanadium				5000.0	5237.28	104.7			P
Zinc				5000.0	5240.08	104.8			P

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	800.0	826.60	103.3	1000.0	1053.65	105.4	1065.33	106.5	P
Arsenic				35.0	37.98	108.5	36.15	103.3	F
Barium	8000.0	8031.25	100.4	10000.0	9965.79	99.7	10103.74	101.0	P
Beryllium	2000.0	1997.78	99.9	2500.0	2480.55	99.2	2502.48	100.1	P
Cadmium	2000.0	2010.99	100.5	2500.0	2527.51	101.1	2547.83	101.9	P
[illegible]omium	4000.0	4108.58	102.7	5000.0	5039.69	100.8	5034.27	100.7	P
[illegible]balt	4000.0	4127.52	103.2	5000.0	5169.31	103.4	5175.62	103.5	P
Copper	4000.0	4038.74	101.0	5000.0	5037.47	100.7	5088.62	101.8	P
Lead	4000.0	4058.92	101.5	5000.0	5072.60	101.5	5068.06	101.4	P
Mercury	2.0	1.89	94.5	1.0	0.95	95.0	1.00	100.0	CV
Nickel	4000.0	4122.90	103.1	5000.0	5124.61	102.5	5134.21	102.7	P
Selenium				25.0	24.26	97.0	24.02	96.1	F
Silver	800.0	797.17	99.6	1000.0	1003.42	100.3	1012.53	101.3	P
Tin	4000.0	4043.73	101.1	5000.0	5072.82	101.5	5028.76	100.6	P
Thallium	25.0	25.68	102.7	35.0	34.49	98.5	33.92	96.9	F
Vanadium	4000.0	4067.63	101.7	5000.0	5106.41	102.1	5131.79	102.6	P
Zinc	4000.0	4028.68	100.7	5000.0	5074.45	101.5	5109.16	102.2	P

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony				1000.0	1087.69	108.8	1093.62	109.4	P
Arsenic				35.0	36.16	103.3			F
Barium				10000.0	10155.49	101.6	10135.17	101.4	P
Beryllium				2500.0	2506.96	100.3	2498.31	99.9	P
Cadmium				2500.0	2532.04	101.3	2556.87	102.3	P
Chromium				5000.0	5046.90	100.9	5060.40	101.2	P
Cobalt				5000.0	5175.22	103.5	5195.97	103.9	P
Copper				5000.0	5121.46	102.4	5108.43	102.2	P
Lead				5000.0	5079.45	101.6	5135.83	102.7	P
Mercury	2.0	1.99	99.5	1.0	1.06	106.0	1.08	108.0	CV
Nickel				5000.0	5140.08	102.8	5145.40	102.9	P
Selenium				25.0	23.70	94.8	24.40	97.6	F
Silver				1000.0	1017.25	101.7	1018.75	101.9	P
Tin				5000.0	5004.29	100.1	5032.39	100.6	P
Thallium				35.0	36.75	105.0	37.55	107.3	F
Vanadium				5000.0	5140.65	102.8	5142.98	102.9	P
Zinc				5000.0	5115.85	102.3	5139.66	102.8	P

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	800.0	835.91	104.5	1000.0	1010.94	101.1	1012.77	101.3	P
Arsenic	25.0	24.07	96.3	35.0	36.06	103.0	37.59	107.4	F
Barium	8000.0	8067.91	100.8	10000.0	10104.93	101.0	10216.17	102.2	P
Beryllium	2000.0	2016.14	100.8	2500.0	2524.44	101.0	2532.60	101.3	P
Cadmium	2000.0	2039.24	102.0	2500.0	2570.66	102.8	2581.19	103.2	P
[illegible]omium	4000.0	4129.12	103.2	5000.0	5047.79	101.0	5062.59	101.3	P
[illegible]balt	4000.0	4143.23	103.6	5000.0	5202.58	104.1	5234.55	104.7	P
Copper	4000.0	4038.65	101.0	5000.0	5095.15	101.9	5143.94	102.9	P
Lead	4000.0	4064.60	101.6	5000.0	5105.82	102.1	5190.54	103.8	P
Mercury				1.0	1.11	111.0			CV
Nickel	4000.0	4137.04	103.4	5000.0	5162.17	103.2	5184.66	103.7	P
Selenium	35.0	35.83	102.4	25.0	24.52	98.1	26.09	104.4	F
Silver	800.0	798.24	99.8	1000.0	1016.18	101.6	1028.65	102.9	P
Tin	4000.0	4107.13	102.7	5000.0	5104.82	102.1	5138.02	102.8	P
Thallium				35.0	36.08	103.1	36.10	103.1	F
Vanadium	4000.0	4100.15	102.5	5000.0	5164.35	103.3	5184.44	103.7	P
Zinc	4000.0	4029.62	100.7	5000.0	5112.05	102.2	5166.81	103.3	P

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony				1000.0	1030.32	103.0	1033.96	103.4	P
Arsenic				35.0	38.37	109.6	36.58	104.5	F
Barium				10000.0	10105.03	101.1			P
Beryllium				2500.0	2550.32	102.0			P
Cadmium				2500.0	2641.57	105.7			P
Chromium				5000.0	5181.83	103.6			P
Cobalt				5000.0	5357.03	107.1			P
Copper				5000.0	5103.79	102.1			P
Lead				5000.0	5354.47	107.1			P
Mercury									NR
Nickel				5000.0	5324.69	106.5			P
Selenium				25.0	25.36	101.4	26.33	105.3	F
Silver				1000.0	1039.79	104.0			P
Tin				5000.0	5334.01	106.7			P
Thallium				35.0	36.18	103.4	35.53	101.5	F
Vanadium				5000.0	5240.04	104.8			P
Zinc				5000.0	5300.25	106.0			P

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony	800.0	814.79	101.8	1000.0	1038.39	103.8	1038.37	103.8	P
Arsenic				35.0	37.36	106.7	36.28	103.7	F
Barium									NR
Beryllium									NR
Cadmium	2000.0	2071.54	103.6	2500.0	2548.49	101.9	2557.04	102.3	P
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead	25.0	24.58	98.3	35.0	35.11	100.3	35.87	102.5	F
Mercury									NR
Nickel									NR
Selenium				25.0	24.68	98.7	25.86	103.4	F
Silver									NR
Tin									NR
Thallium	25.0	24.96	99.8	35.0	35.23	100.7	35.15	100.4	F
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony				1000.0	1066.33	106.6			P
Arsenic				35.0	37.43	106.9	35.57	101.6	F
Barium									NR
Beryllium									NR
Cadmium				2500.0	2554.30	102.2	2552.59	102.1	P
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	36.60	104.6	36.45	104.1	F
Mercury									NR
Nickel									NR
Selenium				25.0	24.97	99.9	22.90	91.6	F
Silver									NR
Tin									NR
Thallium				35.0	35.95	102.7	35.73	102.1	F
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	37.20	106.3	36.21	103.5	F
Barium									NR
Beryllium									NR
Cadmium				2500.0	2567.03	102.7			P
[illegible]omium									NR
[illegible]alt									NR
Copper									NR
Lead				35.0	36.91	105.5	36.98	105.7	F
Mercury									NR
Nickel									NR
Selenium				25.0	24.52	98.1	25.01	100.0	F
Silver									NR
Tin									NR
Thallium				35.0	35.35	101.0	34.76	99.3	F
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	36.22	103.5	36.56	104.5	F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	37.28	106.5	36.45	104.1	F
Mercury									NR
Nickel									NR
Selenium	35.0	34.78	99.4	25.0	23.61	94.4	22.52	90.1	F
Silver									NR
Tin									NR
Thallium				35.0	34.67	99.1			F
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony									NR
Arsenic				35.0	36.53	104.4	36.94	105.5	F
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]alt									NR
Copper									NR
Lead				35.0	37.19	106.3	33.34	95.3	F
Mercury									NR
Nickel									NR
Selenium				25.0	24.50	98.0	24.47	97.9	F
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	37.82	108.1	36.97	105.6	F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead	25.0	24.44	97.8	35.0	34.27	97.9	34.37	98.2	F
Mercury									NR
Nickel									NR
Selenium				25.0	23.92	95.7	24.85	99.4	F
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony									NR
Arsenic	25.0	26.18	104.7	35.0	36.05	103.0	38.12	108.9	F
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	34.28	97.9	34.36	98.2	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	33.11	94.6	33.79	96.5	F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	34.44	98.4	34.66	99.0	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony									NR
Arsenic				35.0	32.99	94.3	33.91	96.9	F
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]alt									NR
Copper									NR
Lead				35.0	33.86	96.7	34.13	97.5	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	32.68	93.4			F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	34.05	97.3	34.41	98.3	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony									NR
Arsenic	25.0	26.01	104.0	35.0	35.81	102.3	34.64	99.0	F
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	35.25	100.7	34.46	98.5	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	34.60	98.9	37.69	107.7	F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead	25.0	22.97	91.9	35.0	31.73	90.7	36.60	104.6	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic	25.0	23.58	94.3	35.0	36.28	103.7	36.24	103.5	F
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	31.92	91.2	31.67	90.5	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic				35.0	35.93	102.7			F
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	31.63	90.4			F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead	25.0	25.21	100.8	35.0	35.11	100.3	35.03	100.1	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	35.56	101.6	34.80	99.4	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	36.27	103.6	35.74	102.1	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead				35.0	36.04	103.0	36.07	103.1	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	37.17	106.2	37.43	106.9	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead	25.0	25.41	101.6	35.0	35.39	101.1	36.24	103.5	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Initial Calibration Source: INORGAN VENT

Continuing Calibration Source: INORGAN VENT

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
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]omium									NR
[illegible]balt									NR
Copper									NR
Lead				35.0	36.20	103.4	34.90	99.7	F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

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

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

AA CRDL Standard Source: INORGAN VENT

ICP CRDL Standard Source: INORGAN VENT

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Antimony				120.0	136.94	114.1	126.71	105.6
Arsenic	10.0	10.82	108.2					
Barium				400.0	411.49	102.9	413.64	103.4
Beryllium				10.0	10.24	102.4	10.14	101.4
Cadmium				10.0	12.28	122.8	10.25	102.5
[illegible]omium				20.0	20.96	104.8	20.27	101.4
[illegible]balt				100.0	106.20	106.2	107.43	107.4
Copper				50.0	58.03	116.1	59.66	119.3
Lead	3.0	2.57	85.7	100.0	116.39	116.4	109.35	109.4
Mercury	0.2	0.20	100.0					
Nickel				80.0	85.91	107.4	87.64	109.6
Selenium	5.0	5.33	106.6					
Silver				20.0	20.71	103.6	20.16	100.8
Tin				200.0	225.46	112.7	217.17	108.6
Thallium	10.0	10.07	100.7					
Vanadium				100.0	105.69	105.7	106.20	106.2
Zinc				40.0	42.31	105.8	43.43	108.6

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

AA CRDL Standard Source: INORGAN VENT

ICP CRDL Standard Source: INORGAN VENT

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Antimony				120.0	126.39	105.3	137.73	114.8
Arsenic	10.0	10.52	105.2					
Barium								
Beryllium								
Cadmium								
Chromium								
Cobalt								
Copper								
Lead	3.0	2.69	89.7					
Mercury	0.2	0.22	110.0					
Nickel								
Selenium	5.0	4.55	91.0					
Silver								
Tin								
Thallium	10.0	10.28	102.8					
Vanadium								
Zinc								

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

AA CRDL Standard Source: INORGAN VENT

ICP CRDL Standard Source: INORGAN VENT

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Antimony				120.0	138.91	115.8	118.15	98.5
Arsenic	10.0	9.75	97.5					
Barium				400.0	404.37	101.1	413.32	103.3
Beryllium				10.0	10.33	103.3	9.54	95.4
Cadmium				10.0	8.88	88.8	10.80	108.0
Chromium				20.0	21.41	107.0	19.45	97.2
Cobalt				100.0	107.08	107.1	106.47	106.5
Copper				50.0	55.60	111.2	52.99	106.0
Lead	3.0	2.76	92.0	100.0	93.98	94.0	96.91	96.9
Mercury	0.2	0.19	95.0					
Nickel				80.0	90.72	113.4	87.50	109.4
Selenium	5.0	4.32	86.4					
Silver				20.0	20.75	103.8	19.31	96.6
Tin				200.0	179.01	89.5	187.16	93.6
Thallium	10.0	9.80	98.0					
Vanadium				100.0	105.06	105.1	103.76	103.8
Zinc				40.0	41.85	104.6	42.35	105.9

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

AA CRDL Standard Source: INORGAN VENT

ICP CRDL Standard Source: INORGAN VENT

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
					Initial			Final
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	134.64	112.2	122.68	102.2
Arsenic	10.0	10.64	106.4					
Barium				400.0	409.54	102.4	416.44	104.1
Beryllium				10.0	10.64	106.4	9.97	99.7
Cadmium				10.0	12.02	120.2	11.71	117.1
Chromium				20.0	24.13	120.6	22.35	111.8
Cobalt				100.0	106.01	106.0	106.94	106.9
Copper				50.0	50.31	100.6	51.60	103.2
Lead	3.0	2.96	98.7	100.0	109.41	109.4	105.38	105.4
Mercury								
Nickel				80.0	87.43	109.3	84.55	105.7
Selenium								
Silver				20.0	22.11	110.6	20.68	103.4
Tin				200.0	204.19	102.1	204.68	102.3
Thallium								
Vanadium				100.0	106.14	106.1	105.98	106.0
Zinc				40.0	41.63	104.1	43.38	108.4

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

AA CRDL Standard Source: INORGAN VENT

ICP CRDL Standard Source: INORGAN VENT

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Antimony								
Arsenic	10.0	9.68	96.8					
Barium								
Beryllium								
Cadmium				10.0	10.65	106.5	12.18	121.8
Chromium								
Cobalt								
Copper								
Lead	3.0	2.49	83.0					
Mercury								
Nickel								
Selenium								
Silver								
Tin								
Thallium								
Vanadium								
Zinc								

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): 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
Antimony	10.9	U	10.9	U	10.9	U	10.9	U	2.180	U	P
Arsenic	1.9	U	1.9	U	1.9	U	1.9	U	0.380	U	F
Barium	3.4	B	2.4	B	2.7	B	3.7	B	0.160	U	P
Beryllium	0.3	U	0.3	U	-0.3	B	0.3	U	0.060	U	P
Cadmium	2.9	U	2.9	U	2.9	U	2.9	U	0.580	U	P
Chromium	4.7	U	4.7	U	4.7	U	4.7	U	0.940	U	P
Cobalt	2.3	U	2.3	U	2.3	U	2.3	U	0.460	U	P
Copper	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Lead	12.1	U	12.1	U	12.1	U	12.1	U	2.420	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U			CV
Nickel	4.2	U	4.2	U	4.2	U	4.2	U	0.840	U	P
Selenium	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	F
Silver	2.5	U	2.5	U	2.5	U	2.5	U	0.500	U	P
Tin	18.4	U	18.4	U	32.6	B	20.4	B	3.904	B	P
Thallium	1.7	U	1.7	U	1.7	U	1.7	U	0.340	U	F
Vanadium	2.1	U	2.1	U	2.1	U	2.1	U	0.420	U	P
Zinc	1.9	U	1.9	U	1.9	U	1.9	U	0.380	U	P

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony	10.9	U	10.9	U	10.9	U	10.9	U	10.900	U	P
Arsenic			1.9	U	1.9	U	1.9	U	1.900	U	F
Barium	6.2	B	4.3	B	4.4	B	5.7	B	1.090	B	P
Beryllium	1.1	B	0.3	U	0.3	U	0.3	U	0.300	U	P
Cadmium	2.9	U	2.9	U	2.9	U	2.9	U	2.900	U	P
Chromium	4.7	U	4.7	U	4.7	U	4.7	U	4.700	U	P
Cobalt	4.2	B	2.3	U	2.3	U	4.2	B	2.300	U	P
Copper	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Lead	12.1	U	12.1	U	12.1	U	12.1	U	12.100	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.200	U	CV
Nickel	8.0	B	5.2	B	7.4	B	7.7	B	4.200	U	P
Selenium			1.5	U	1.5	U	1.5	U	1.500	U	F
Silver	2.5	U	2.5	U	2.5	U	2.5	U	2.500	U	P
Tin	18.4	U	18.4	U	18.4	U	18.4	U	18.400	U	P
Thallium			1.7	U					1.700	U	F
Vanadium	2.5	B	2.1	U	2.1	U	2.4	B	2.100	U	P
Zinc	1.9	U	1.9	U	2.2	B	1.9	U	1.900	U	P

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): 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
Antimony			10.9	U							P
Arsenic			1.9	U							F
Barium			5.3	B							P
Beryllium			0.4	B							P
Cadmium			2.9	U							P
Chromium			4.7	U							P
Cobalt			3.6	B							P
Copper			4.0	U							P
Lead			13.1								P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.100	U	CV
Nickel			5.5	B							P
Selenium			1.5	U	1.5	U					F
Silver			2.5	U							P
Tin			18.4	U							P
Thallium	1.7	U	1.7	U	1.7	U	1.7	U			F
Vanadium			2.8	B							P
Zinc			3.0	B							P

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony	10.9	U	10.9	U	16.7	B	12.5	B			P
Arsenic	1.9	U	1.9	U	1.9	U	1.9	U			F
Barium	5.7	B	6.2	B	6.6	B	8.4	B			P
Beryllium	1.4	B	1.2	B	1.6	B	1.4	B			P
Cadmium	2.9	U	2.9	U	4.2	B	5.0	B			P
Chromium	7.8	B	5.6	B	5.6	B	6.0	B			P
Cobalt	2.3	B	4.6	B	3.7	B	5.3	B			P
Copper	4.0	U	4.0	U	4.0	U	4.0	U			P
Lead	16.1		12.1	U	12.1	U	12.1	U			P
Mercury									0.200	U	CV
Nickel	5.1	B	5.2	B	4.4	B	4.5	B			P
Selenium	1.5	U	1.5	U	1.5	U	1.5	U			F
Silver	2.8	B	2.5	U	2.5	U	2.5	U			P
Tin	18.4	U	18.4	U	18.4	U	18.4	U			P
Thallium			1.7	U	1.7	U	1.7	U			F
Vanadium	3.5	B	3.8	B	3.6	B	5.0	B			P
Zinc	1.9	U	2.0	B	4.4	B	5.1	B			P

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): 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
Antimony			10.9	U							P
Arsenic			1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium	2.9	U	-3.2	B	2.9	U	2.9	U			P
Chromium											NR
Cobalt											NR
Copper											NR
Lead	1.6	U	1.6	U	1.6	U	1.6	U	0.320	U	F
Mercury											NR
Nickel											NR
Selenium			1.5	U	1.5	U	1.5	U			F
Silver											NR
Tin											NR
Thallium			1.7	U	1.7	U					F
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony	17.7	B	17.8	B	11.1	B	11.4	B			P
Arsenic			1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium			2.9	U	2.9	U					P
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U	1.600	U	F
Mercury											NR
Nickel											NR
Selenium			1.5	U	1.5	U	1.5	U			F
Silver											NR
Tin											NR
Thallium	-2.0	B	-1.7	B	-2.2	B	-2.1	B			F
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium			1.5	U							F
Silver											NR
Tin											NR
Thallium			-2.9	B	-2.8	B	-2.0	B			F
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			-2.0	B	-2.5	B	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U							F
Mercury											NR
Nickel											NR
Selenium	1.5	U	1.5	U	1.5	U	1.5	U			F
Silver											NR
Tin											NR
Thallium			1.7	U							F
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			1.9	U							F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead	1.6	U	1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium			1.5	U	1.5	U	1.5	U			F
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic	1.9	U	1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			1.9	U							F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic	1.9	U	1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead	-1.6	B	-2.3	B	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic			1.9	U							F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			-2.2	B	-2.2	B					F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic	1.9	U	1.9	U	1.9	U	1.9	U			F
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead	1.6	U	1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

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3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic											NR
Barium											NR
[illegible]yllium											NR
[illegible]mium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

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3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U							F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead	1.6	U	1.6	U	1.6	U	1.6	U			F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

3
BLANKS

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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
Antimony											NR
Arsenic											NR
Barium											NR
[illegible]yllium											NR
[illegible]dmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Lead			1.6	U							F
Mercury											NR
Nickel											NR
Selenium											NR
Silver											NR
Tin											NR
Thallium											NR
Vanadium											NR
Zinc											NR

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No: _____ SDG No.: G00101

ICP ID Number: ICP1_____ ICS Source: INORGAN VENT

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
Antimony	0	0	11	-14.0		6	3.2	
Arsenic								
Barium	0	500	3	506.3	101.3	3	509.3	101.9
Beryllium	0	500	0	500.3	100.1	-1	508.7	101.7
Cadmium	0	1000	5	1012.0	101.2	2	1028.0	102.8
Chromium	0	500	3	483.3	96.7	-2	490.0	98.0
Cobalt	0	500	-1	488.8	97.8	-2	500.0	100.0
Copper	0	500	7	523.5	104.7	9	526.4	105.3
Lead	0	1000	14	1017.4	101.7	21	1003.7	100.4
Mercury								
Nickel	0	1000	-11	968.1	96.8	-12	981.3	98.1
Selenium								
Silver	0	1000	-9	1019.4	101.9	-12	1025.5	102.6
Tin	0	0	9	26.5		-13	-7.0	
Thallium								
Vanadium	0	500	3	505.0	101.0	1	509.7	101.9
Zinc	0	1000	-20	968.0	96.8	-22	983.8	98.4

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No: _____ SDG No.: G00101

ICP ID Number: ICP1_____ ICS Source: INORGAN VENT

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
Antimony	0	0	5	0.0		-23	19.1	
Arsenic								
Barium								
Beryllium								
Cadmium								
Chromium								
Cobalt								
Copper								
Lead								
Mercury								
Nickel								
Selenium								
Silver								
Tin								
Thallium								
Vanadium								
Zinc								

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No: _____ SDG No.: G00101

ICP ID Number: ICP1_____ ICS Source: INORGAN VENT

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
Antimony	0	0	14	5.9		16	4.1	
Arsenic								
Barium	0	500	3	498.5	99.7	2	509.7	101.9
Beryllium	0	500	0	492.5	98.5	-1	493.2	98.6
Cadmium	0	1000	3	1014.2	101.4	5	1012.5	101.2
Chromium	0	500	4	482.3	96.5	2	486.8	97.4
Cobalt	0	500	1	488.6	97.7	0	491.0	98.2
Copper	0	500	6	517.4	103.5	5	525.9	105.2
Lead	0	1000	21	990.0	99.0	3	980.4	98.0
Mercury								
Nickel	0	1000	-5	963.2	96.3	-7	967.6	96.8
Selenium								
Silver	0	1000	-10	1004.4	100.4	-11	1016.7	101.7
Tin	0	0	12	3.2		-11	-26.6	
Thallium								
Vanadium	0	500	2	501.3	100.3	4	504.5	100.9
Zinc	0	1000	-19	967.2	96.7	-19	976.2	97.6

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No: _____ SDG No.: G00101

ICP ID Number: ICP1_____ ICS Source: INORGAN VENT

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
Antimony	0	0	4	-3.6		9	7.2	
Arsenic								
Barium	0	500	2	511.3	102.3	2	509.9	102.0
Beryllium	0	500	0	501.5	100.3	0	507.5	101.5
Cadmium	0	1000	5	1018.0	101.8	0	1044.4	104.4
Chromium	0	500	4	484.8	97.0	2	499.8	100.0
Cobalt	0	500	0	491.9	98.4	1	509.1	101.8
Copper	0	500	14	527.7	105.5	10	525.0	105.0
Lead	0	1000	17	992.5	99.2	20	1067.0	106.7
Mercury								
Nickel	0	1000	-12	964.7	96.5	-13	994.3	99.4
Selenium								
Silver	0	1000	-13	1024.2	102.4	-13	1042.9	104.3
Tin	0	0	6	31.1		46	37.3	
Thallium								
Vanadium	0	500	5	508.7	101.7	6	517.9	103.6
Zinc	0	1000	-19	967.3	96.7	-20	1012.9	101.3

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No: _____ SDG No.: G00101

ICP ID Number: ICP1_____ ICS Source: INORGAN VENT

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
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	1000	4	1004.6	100.5	3	993.5	99.4
Chromium								
Cobalt								
Copper								
Lead								
Mercury								
Nickel								
Selenium								
Silver								
Tin								
Thallium								
Vanadium								
Zinc								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

G00101S

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	54.5000	U	54.5000	U	500.00	0.0	N	P
Arsenic	75-125	1.9000	U	1.9000	U	40.00	0.0	N	F
Barium	75-125	3962.0500		1960.9000		2000.00	100.1		P
Beryllium	75-125	65.0000		15.9000	B	50.00	98.2		P
Cadmium	75-125	94.0000		23.6000	B	50.00	140.8	N	P
Chromium		4039.1000		3633.4500		200.00	202.8		P
Cobalt	75-125	719.4000		264.7500		500.00	90.9		P
Copper		3621.0500		3235.6500		250.00	154.2		P
Lead		16373.9000		14981.8000		500.00	278.4		P
Mercury	75-125	4.4310		2.9090		1.00	152.2	N	CV
Nickel		5624.6500		4986.2000		500.00	127.7		P
Selenium	75-125	13.9000	B	7.5000	U	10.00	139.0	N	F
Silver	75-125	33.6000	B	12.5000	U	50.00	67.2	N	P
Tin	75-125	982.5500		183.1000	B	1000.00	79.9		P
Thallium	75-125	13.2200	B	1.7000	U	50.00	26.4	N	F
Vanadium	75-125	1411.4500		963.3500		500.00	89.6		P
Zinc		20042.7000		19251.5000		500.00	158.2		P

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
G00101S

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead		36.2800		603.0000		20.00	-2833.6		F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

G00102S

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	494.6700		10.9000	U	500.00	98.9		P
Arsenic	75-125	43.8700		1.9000	U	40.00	109.7		F
Barium	75-125	1973.4100		62.0600	B	2000.00	95.6		P
Beryllium	75-125	47.5100		0.3000	U	50.00	95.0		P
Cadmium	75-125	50.2400		2.9000	U	50.00	100.5		P
Chromium	75-125	194.5200		4.7000	U	200.00	97.3		P
Cobalt	75-125	495.3500		2.3000	U	500.00	99.1		P
Copper	75-125	254.8000		7.4500	B	250.00	98.9		P
I d	75-125	20.7400		3.0700		20.00	88.4		F
Mercury	75-125	1.0290		0.2000	U	1.00	102.9		CV
Nickel	75-125	528.5700		36.9300	B	500.00	98.3		P
Selenium	75-125	9.1800		2.3200	B	10.00	68.6	N	F
Silver	75-125	46.5400		2.5000	U	50.00	93.1		P
Tin	75-125	937.8700		18.4000	U	1000.00	93.8		P
Thallium	75-125	47.9400		1.7000	U	50.00	95.9		F
Vanadium	75-125	492.0500		2.1000	U	500.00	98.4		P
Zinc	75-125	757.5700		283.6100		500.00	94.8		P

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
G00102S

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony_									NR
Arsenic__									NR
Barium___									NR
Beryllium									NR
Cadmium__									NR
Chromium_									NR
Cobalt___									NR
Copper___									NR
L d_____	75-125_	20.7400_		3.0700		20.00	88.4		F_
ercury__									NR
Nickel___									NR
Selenium_									NR
Silver___									NR
Tin_____									NR
Thallium_									NR
Vanadium_									NR
Zinc_____									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

G00117S

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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

% Solids for Sample: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	39.1539		2.4226	U	114.40	34.2	N	P
Arsenic	75-125	9.2437		3.9811		8.49	62.0	N	F
Barium	75-125	512.2635		60.5768		457.59	98.7		P
Beryllium	75-125	11.3941		0.2378	B	11.44	97.5		P
Cadmium	75-125	11.5039		0.6446	U	11.44	100.6		P
Chromium	75-125	66.0237		18.3720		45.76	104.1		P
Cobalt	75-125	118.8071		2.9627	B	114.40	101.3		P
Copper	75-125	67.7443		11.6375		57.20	98.1		P
Lead	75-125	142.2404		25.8043		114.40	101.8		P
Mercury	75-125	0.4230		0.1061	U	0.49	86.3		CV
Nickel	75-125	130.2995		14.0712		114.40	101.6		P
Selenium	75-125	2.1598		0.3432	U	2.12	101.9		F
Silver	75-125	9.5202		0.5556	U	11.44	83.2		P
Tin	75-125	211.1424		5.0497	B	228.80	90.1		P
Thallium	75-125	10.3914		0.3890	U	10.61	97.9		F
Vanadium	75-125	144.8006		26.4733		114.40	103.4		P
Zinc	75-125	188.0637		69.3893		114.40	103.7		P

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
G00117S

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL__ Level (low/med): LOW___

% Solids for Sample: _85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead		37.7214		32.3976		4.24	125.6		F
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

G00101A

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water) : WATER_ Level (low/med): LOW___

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Antimony		656.00		54.50	U	600.0	109.3		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium		91.35		23.60	B	50.0	135.5		P
Chromium									NR
Cobalt									NR
Copper									NR
Lead									NR
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
G00117A

Lab Name: WESTON_EMI Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Antimony		128.64		10.90	U	120.0	107.2		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Lead									NR
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Tin									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

G00101D

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony		54.5000	U	54.5000	U			P
Arsenic		1.9000	U	1.9000	U			F
Barium		1960.9000		2078.8500		5.8		P
Beryllium	5.0	15.9000	B	16.6000	B	4.3		P
Cadmium	5.0	23.6000	B	26.0500		9.9		P
Chromium		3633.4500		3985.5000		9.2		P
Cobalt		264.7500		278.2500		5.0		P
Copper		3235.6500		3454.5000		6.5		P
Lead		14981.8000		15564.5000		3.8		P
Mercury		2.9090		3.5890		20.9	*	CV
Nickel		4986.2000		5391.1000		7.8		P
Selenium		7.5000	U	7.5000	U			F
Silver		12.5000	U	12.5000	U			P
Tin	100.0	183.1000	B	253.9000	B	32.4		P
Thallium		1.7000	U	1.7000	U			F
Vanadium		963.3500		1082.2500		11.6		P
Zinc		19251.5000		19829.7500		3.0		P

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6
DUPLICATES

EPA SAMPLE NO.
G00101D

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony_								NR
Arsenic__								NR
Barium___								NR
Beryllium								NR
Cadmium__								NR
Chromium_								NR
Cobalt___								NR
Copper___								NR
Lead_____		603.0000		61.8500		162.8	*	F_
Mercury__								NR
Nickel___								NR
Selenium_								NR
Silver___								NR
Tin______								NR
Thallium_								NR
Vanadium_								NR
Zinc_____								NR

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6
DUPLICATES

EPA SAMPLE NO.

G00102D

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony_		10.9000	U	10.9000	U		_	P_
Arsenic__		1.9000	U	1.9000	U		_	F_
Barium___		62.0600	B	61.0300	B	1.7_	_	P_
Beryllium		0.3000	U	0.3000	U		_	P_
Cadmium__		2.9000	U	2.9000	U		_	P_
Chromium_		4.7000	U	4.7000	U		_	P_
Cobalt___		2.3000	U	2.3000	U		_	P_
Copper___		7.4500	B	4.0000	U	200.0_	_	P_
Lead____		12.1000	U	12.1000	U		_	P_
Mercury__		0.2000	U	0.2000	U		_	CV
Nickel___		36.9300	B	34.7100	B	6.2_	_	P_
Selenium_		2.3200	B	1.5000	U	200.0_	_	F_
Silver___		2.5000	U	2.5000	U		_	P_
Tin_____		18.4000	U	18.4000	U		_	P_
Thallium_		1.7000	U	1.7000	U		_	F_
Vanadium_		2.1000	U	2.1000	U		_	P_
Zinc____		283.6100	_	274.5300	_	3.3_	_	P_

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

G00102D

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

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

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Lead	3.0	3.0700		2.2100	B	32.6		F
Mercury								NR
Nickel								NR
Selenium								NR
Silver								NR
Tin								NR
Thallium								NR
Vanadium								NR
Zinc								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

G00117D

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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

% Solids for Sample: 85.7 % Solids for Duplicate: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony		2.4226	U	2.3553	U			P
Arsenic	2.3	3.9811		3.6150		9.6		F
Barium	44.5	60.5768		71.1850		16.1		P
Beryllium		0.2378	B	0.3284	B	32.0		P
Cadmium		0.6446	U	0.6266	U			P
Chromium		18.3720		18.0453		1.8		P
Cobalt		2.9627	B	3.5935	B	19.2		P
Copper	5.6	11.6375		11.6989		0.5		P
Lead		25.8043		31.7732		20.7	*	P
Mercury		0.1061	U	0.1015	U			CV
Nickel	8.9	14.0712		13.9894		0.6		P
Selenium		0.3432	U	0.3432	U			F
Silver		0.5556	U	0.5402	U			P
Tin		5.0497	B	5.8754	B	15.1		P
Thallium		0.3890	U	0.3890	U			F
Vanadium	11.1	26.4733		26.9307		1.7		P
Zinc		69.3893		71.0467		2.4		P

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6
DUPLICATES

EPA SAMPLE NO.
G00117D

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _85.7 % Solids for Duplicate: __85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Lead		32.3976		27.9131		14.9		F
Mercury								NR
Nickel								NR
Selenium								NR
Silver								NR
Tin								NR
Thallium								NR
Vanadium								NR
Zinc								NR

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LABORATORY CONTROL SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Solid LCS Source: INORGAN VENT

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony				100.0	99.1		80.0	120.0	99.1
Arsenic									
Barium				400.0	384.4		320.0	480.0	96.1
Beryllium				10.0	9.2		8.0	12.0	92.0
Cadmium				10.0	9.8		8.0	12.0	98.0
Chromium				40.0	39.1		32.0	48.0	97.8
Cobalt				100.0	99.9		80.0	120.0	99.9
Copper				50.0	50.0		40.0	60.0	100.0
Lead				100.0	101.1		80.0	120.0	101.1
Mercury									
Nickel				100.0	99.3		80.0	120.0	99.3
Selenium									
Silver				10.0	6.1		8.0	12.0	61.0
Tin				200.0	199.6		160.0	240.0	99.8
Thallium									
Vanadium				100.0	99.4		80.0	120.0	99.4
Zinc				100.0	94.9		80.0	120.0	94.9

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LABORATORY CONTROL SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Solid LCS Source: INORGAN VENT

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony									
Arsenic				8.0	7.3		6.4	9.6	91.2
Barium									
Beryllium									
Cadmium									
Chromium									
Cobalt									
Copper									
Lead				4.0	4.1		3.2	4.8	102.5
Mercury									
Nickel									
Selenium				2.0	1.7		1.6	2.4	85.0
Silver									
Tin									
Thallium				10.0	9.8		8.0	12.0	98.0
Vanadium									
Zinc									

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LABORATORY CONTROL SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Solid LCS Source: INORGAN VENT

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Chromium									
Cobalt									
Copper									
Lead									
Mercury				1.0	0.8		0.7	1.4	80.0
Nickel									
Selenium									
Silver									
Tin									
Thallium									
Vanadium									
Zinc									

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LABORATORY CONTROL SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Solid LCS Source: _____

Aqueous LCS Source: INORGANI VEN

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony	500.0	492.83	98.6						
Arsenic									
Barium	2000.0	1864.47	93.2						
Beryllium	50.0	47.12	94.2						
Cadmium	50.0	49.91	99.8						
Chromium	200.0	194.36	97.2						
Cobalt	500.0	498.14	99.6						
Copper	250.0	243.29	97.3						
Lead	500.0	498.60	99.7						
Mercury									
Nickel	500.0	502.98	100.6						
Selenium									
Silver	50.0	46.25	92.5						
Tin	1000.0	959.96	96.0						
Thallium									
Vanadium	500.0	488.26	97.7						
Zinc	500.0	481.55	96.3						

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LABORATORY CONTROL SAMPLE

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

Solid LCS Source: _____

Aqueous LCS Source: INORGANI VEN

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony									
Arsenic	40.0	47.21	118.0						
Barium									
Beryllium									
Cadmium									
Chromium									
Cobalt									
Copper									
Lead	20.0	18.75	93.8						
Mercury									
Nickel									
Selenium	10.0	9.59	95.9						
Silver									
Tin									
Thallium	50.0	47.00	94.0						
Vanadium									
Zinc									

8
STANDARD ADDITION RESULTS

Lab Name: WESTON_EMI_____ Contract:_____

Lab Code: WESEMI Case No.: _____ SAS No.:_____ SDG No.:G00101

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q
G00105__	AS	0.098	_10.00	0.167	_20.00	0.237	_30.00	0.300	___14.7	0.9997	_
G00117__	AS	0.095	_10.00	0.148	_20.00	0.207	_30.00	0.257	___17.4	0.9995	_
G00117D_	AS	0.091	_10.00	0.152	_20.00	0.209	_30.00	0.266	___15.8	0.9999	_
G00119__	AS	0.097	_10.00	0.143	_20.00	0.203	_30.00	0.274	___15.3	0.9955	_
G00120__	AS	0.094	_10.00	0.148	_20.00	0.209	_30.00	0.272	___15.4	0.9994	_
G00121__	AS	0.071	_10.00	0.126	_20.00	0.189	_30.00	0.245	___12.0	0.9997	_
G00122__	AS	0.097	_10.00	0.157	_20.00	0.214	_30.00	0.284	___15.4	0.9990	_

9
ICP SERIAL DILUTION

EPA SAMPLE NO.
G00101L

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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
Antimony	10.90	U	54.50	U			P
Arsenic							NR
Barium	392.18		396.40	B	1.1		P
Beryllium	3.18	B	1.50	U	100.0		P
Cadmium	4.72	B	14.50	U	100.0		P
Chromium	726.69		767.10		5.6		P
Cobalt	52.95		52.35	B	1.1		P
Copper	647.13		644.75		0.4		P
Lead	2996.36		3103.80		3.6		P
Mercury							NR
Nickel	997.24		1056.35		5.9		P
Selenium							NR
Silver	2.50	U	12.50	U			P
Tin	36.62	B	198.45	B	441.9		P
Thallium							NR
Vanadium	192.67		200.95	B	4.3		P
Zinc	3850.30		3983.30		3.5		P

9
ICP SERIAL DILUTION

EPA SAMPLE NO.
G00102L

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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
Antimony	10.90	U	54.50	U			P
Arsenic							NR
Barium	62.06	B	67.65	B	9.0		P
Beryllium	0.30	U	1.50	U			P
Cadmium	2.90	U	14.50	U			P
Chromium	4.70	U	23.50	U			P
Cobalt	2.30	U	11.50	U			P
Copper	7.45	B	20.00	U	100.0		P
Lead	12.10	U	60.50	U			P
Mercury							NR
Nickel	36.93	B	39.20	B	6.1		P
Selenium							NR
Silver	2.50	U	12.50	U			P
Tin	18.40	U	92.00	U			P
Thallium							NR
Vanadium	2.10	U	10.50	U			P
Zinc	283.61		289.15		2.0		P

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9
ICP SERIAL DILUTION

EPA SAMPLE NO.
G00117L

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	10.90	U	54.50	U			P
Arsenic							NR
Barium	272.55		283.20	B	3.9		P
Beryllium	1.07	B	1.50	U	100.0		P
Cadmium	2.90	U	14.50	U			P
Chromium	82.66		80.40		2.7		P
Cobalt	13.33	B	12.30	B	7.7		P
Copper	52.36		79.80	B	52.4		P
Lead	116.10		105.75		8.9		P
Mercury							NR
Nickel	63.31		69.10	B	9.1		P
Selenium							NR
Silver	2.50	U	12.50	U			P
Tin	22.72	B	92.00	U	100.0		P
Thallium							NR
Vanadium	119.11		121.40	B	1.9		P
Zinc	312.20		328.15		5.1		P

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00117	03/30/95	1.05	200
G00117D	03/30/95	1.08	200
G00117S	03/30/95	1.02	200
G00118	03/30/95	1.06	200
G00119	03/30/95	1.24	200
G00120	03/30/95	1.16	200
G00121	03/30/95	1.09	200
G00122	03/30/95	1.14	200
LCSS	03/30/95	1.00	200
PBS	03/30/95	1.00	200

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00101	04/04/95		50
G00101D	04/04/95		50
G00101S	04/04/95		50
G00102	04/04/95		50
G00102D	04/04/95		50
G00102S	04/04/95		50
G00103	04/04/95		50
G00104	04/04/95		50
G00105	04/04/95		50
G00106	04/04/95		50
G00107	04/04/95		50
G00108	04/04/95		50
G00109	04/04/95		50
G00110	04/04/95		50
G00111	04/04/95		50
G00112	04/04/95		50
G00113	04/04/95		50
G00114	04/04/95		50
G00115	04/04/95		50
G00116	04/04/95		50
LCSW	04/04/95		50
PBW	04/04/95		50

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: F_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00117	03/30/95	1.02	200
G00117D	03/30/95	1.02	200
G00117S	03/30/95	1.10	200
G00118	03/30/95	1.10	200
G00119	03/30/95	1.25	200
G00120	03/30/95	1.08	200
G00121	03/30/95	1.02	200
G00122	03/30/95	1.11	200
LCSS	03/30/95	1.00	200
PBS	03/30/95	1.00	200

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: F_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00101	04/04/95		50
G00101D	04/04/95		50
G00101S	04/04/95		50
G00102	04/04/95		50
G00102D	04/04/95		50
G00102S	04/04/95		50
G00103	04/04/95		50
G00104	04/04/95		50
G00105	04/04/95		50
G00106	04/04/95		50
G00107	04/04/95		50
G00108	04/04/95		50
G00109	04/04/95		50
G00110	04/04/95		50
G00111	04/04/95		50
G00112	04/04/95		50
G00113	04/04/95		50
G00114	04/04/95		50
G00115	04/04/95		50
G00116	04/04/95		50
LCSW	04/04/95		50
PBW	04/04/95		50

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00101	03/30/95		100
G00101D	03/30/95		100
G00101S	03/30/95		100
G00102	03/30/95		100
G00102D	03/30/95		100
G00102S	03/30/95		100
G00103	03/30/95		100
G00104	03/30/95		100
G00105	03/30/95		100
G00106	03/30/95		100
G00107	03/30/95		100
G00108	03/30/95		100
G00109	03/30/95		100
G00110	03/30/95		100
G00111	03/30/95		100
G00112	03/30/95		100
G00113	03/30/95		100
G00114	03/30/95		100
G00115	03/30/95		100
G00116	03/30/95		100
PBW	03/30/95		100

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00117	03/30/95	0.22	100
G00117D	03/30/95	0.23	100
G00117S	03/30/95	0.24	100
G00118	03/30/95	0.20	100
G00119	03/30/95	0.23	100
G00120	03/30/95	0.28	100
G00121	03/30/95	0.28	100
G00122	03/30/95	0.23	100
LCSS	03/30/95	0.20	100
PBS	03/30/95	0.20	100

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PREPARATION LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.:_____ SAS No.: _____ SDG No.:G00101

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
G00101	04/03/95		100
G00101D	04/03/95		100
G00101S	04/03/95		100
PBW	04/03/95		100

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 03/31/95 End Date: 03/31/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1242		X		X	X	X	X	X	X	X		X		X	X		X	X						
S	1.00	1245		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICV	1.00	1248		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICB	1.00	1251		X		X	X	X	X	X	X	X		X		X	X		X	X						
CRI	1.00	1254		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSA	1.00	1256		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSAB	1.00	1259		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCV	1.00	1302		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1305		X		X	X	X	X	X	X	X		X		X	X		X	X						
[illegible]	1.00	1308		X		X	X	X	X	X	X	X		X		X	X		X	X						
[illegible]S	1.00	1311		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00117	1.00	1314		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00117D	1.00	1317		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00117S	1.00	1319		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00117L	5.00	1322		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00117A	1.00	1325																								
G00118	1.00	1328		X		X	X	X	X	X	X			X		X	X		X	X						
G00119	1.00	1331		X		X	X	X	X	X	X			X		X	X		X	X						
G00120	1.00	1334		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCV	1.00	1337		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1340		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00121	1.00	1342		X		X	X	X	X	X	X			X		X	X		X	X						
G00122	1.00	1345		X		X	X	X	X	X	X			X		X	X		X	X						
CRI	1.00	1348		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSA	1.00	1351		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSAB	1.00	1354		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCV	1.00	1357		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1400		X		X	X	X	X	X	X	X		X		X	X		X	X						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/03/95 End Date: 04/03/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1457		X																						
S	1.00	1500		X																						
ICV	1.00	1503		X																						
ICB	1.00	1506		X																						
CRI	1.00	1509		X																						
ICSA	1.00	1512		X																						
ICSAB	1.00	1514		X																						
CCV	1.00	1517		X																						
CCB	1.00	1520		X																						
ZZZZZ	1.00	1523																								
ZZZZ	1.00	1526																								
ZZZZZZ	1.00	1529																								
ZZZZZZ	1.00	1532																								
ZZZZZZ	1.00	1535																								
ZZZZZZ	1.00	1538																								
ZZZZZZ	1.00	1540																								
ZZZZZZ	1.00	1543																								
ZZZZZZ	1.00	1546																								
ZZZZZZ	1.00	1549																								
CCV	1.00	1552		X																						
CCB	1.00	1555		X																						
ZZZZZZ	1.00	1558																								
ZZZZZZ	1.00	1601																								
ZZZZZZ	1.00	1603																								
ZZZZZZ	1.00	1606																								
ZZZZZZ	5.00	1609																								
ZZZZZZ	1.00	1612																								
ZZZZZZ	1.00	1615																								
ZZZZZZ	1.00	1618																								
ZZZZZZ	1.00	1621																								
ZZZZZZ	1.00	1624																								
CCV	1.00	1627		X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/03/95 End Date: 04/03/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
CCB	1.00	1629		X																							
G00117A	1.00	1632		X																							
CRI	1.00	1635		X																							
ICSA	1.00	1638		X																							
ICSAB	1.00	1641		X																							
CCV	1.00	1644		X																							
CCB	1.00	1647		X																							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0	1.00	1500		X		X	X	X	X	X	X	X		X		X	X		X	X							
S	1.00	1502		X		X	X	X	X	X	X	X		X		X	X		X	X							
ICV	1.00	1505		X		X	X	X	X	X	X	X		X		X	X		X	X							
ICB	1.00	1508		X		X	X	X	X	X	X	X		X		X	X		X	X							
CRI	1.00	1511		X		X	X	X	X	X	X	X		X		X	X		X	X							
ICSA	1.00	1514		X		X	X	X	X	X	X	X		X		X	X		X	X							
ICSAB	1.00	1517		X		X	X	X	X	X	X	X		X		X	X		X	X							
CCV	1.00	1520		X		X	X	X	X	X	X	X		X		X	X		X	X							
CCB	1.00	1523		X		X	X	X	X	X	X	X		X		X	X		X	X							
[illegible]W	1.00	1526		X		X	X	X	X	X	X	X		X		X	X		X	X							
[illegible]SW	1.00	1530		X		X	X	X	X	X	X	X		X		X	X		X	X							
G00101	1.00	1533																									
G00101D	1.00	1536																									
G00101S	1.00	1539																									
G00101L	5.00	1542																									
G00101A	1.00	1544																									
G00102	1.00	1547		X		X	X	X	X	X	X			X		X	X		X	X							
G00102D	1.00	1550		X		X	X	X	X	X	X			X		X	X		X	X							
G00102S	1.00	1553		X		X	X	X	X	X	X			X		X	X		X	X							
CCV	1.00	1556		X		X	X	X	X	X	X	X		X		X	X		X	X							
CCB	1.00	1559		X		X	X	X	X	X	X	X		X		X	X		X	X							
G00102L	5.00	1602		X		X	X	X	X	X	X			X		X	X		X	X							
ZZZZZZ	1.00	1605																									
G00103	1.00	1608																									
G00104	1.00	1611		X		X	X	X	X	X	X	X		X		X	X		X	X							
G00105	1.00	1614		X		X	X	X	X	X	X	X		X			X		X	X							
G00106	1.00	1617		X		X	X	X	X	X	X			X		X	X		X	X							
G00107	1.00	1620																									
G00108	1.00	1623		X		X	X	X	X	X	X			X		X	X		X	X							
G00109	1.00	1625		X		X	X	X	X	X	X	X		X			X		X	X							
CCV	1.00	1629		X		X	X	X	X	X	X	X		X		X	X		X	X							
CCB	1.00	1632		X		X	X	X	X	X	X	X		X		X	X		X	X							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
G00110	1.00	1635		X		X	X	X	X	X	X			X		X	X		X	X						
G00111	1.00	1638																								
G00112	1.00	1641		X		X	X	X	X	X	X			X		X	X		X	X						
G00113	1.00	1644																								
G00114	1.00	1647		X		X	X	X	X	X	X			X		X	X		X	X						
G00115	1.00	1649		X		X	X	X	X	X	X			X		X	X		X	X						
G00116	1.00	1652		X		X	X	X	X	X	X			X		X	X		X	X						
CRI	1.00	1655		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSA	1.00	1658		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSAB	1.00	1701		X		X	X	X	X	X	X	X		X		X	X		X	X						
[illegible]	1.00	1704		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1707		X		X	X	X	X	X	X	X		X		X	X		X	X						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1015		X		X	X	X	X	X	X	X		X		X	X		X	X						
S	1.00	1018		X		X	X	X	X	X	X	X		X		X	X		X	X						
ZZZZZZ	1.00	1020																								
ICV	1.00	1023		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICB	1.00	1026		X		X	X	X	X	X	X	X		X		X	X		X	X						
CRI	1.00	1029		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSA	1.00	1032		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSAB	1.00	1035		X		X	X	X	X	X	X	X		X		X	X		X	X						
ZZZZZZ	1.00	1038																								
ZZZZZZ	1.00	1041																								
	1.00	1044		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1046		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00101	5.00	1050		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00101D	5.00	1053		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00101S	5.00	1056		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00101L	25.00	1059		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00101A	5.00	1102																								
G00103	5.00	1105		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00105	5.00	1107														X										
G00107	5.00	1110		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00109	5.00	1113														X										
G00111	5.00	1116		X		X	X	X	X	X	X			X		X	X		X	X						
CCV	1.00	1119		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1122		X		X	X	X	X	X	X	X		X		X	X		X	X						
G00113	5.00	1125		X		X	X	X	X	X	X	X		X		X	X		X	X						
CRI	1.00	1128		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSA	1.00	1131		X		X	X	X	X	X	X	X		X		X	X		X	X						
ICSAB	1.00	1134		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCV	1.00	1136		X		X	X	X	X	X	X	X		X		X	X		X	X						
CCB	1.00	1139		X		X	X	X	X	X	X	X		X		X	X		X	X						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/11/95 End Date: 04/11/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1213						X																		
S	1.00	1217						X																		
ZZZZZZ	1.00	1219																								
ICV	1.00	1222						X																		
ICB	1.00	1225						X																		
CRI	1.00	1228						X																		
ICSA	1.00	1231						X																		
ICSAB	1.00	1234						X																		
ZZZZZZ	1.00	1237																								
ZZZZZ	1.00	1240																								
/	1.00	1243						X																		
CCB	1.00	1246						X																		
ZZZZZZ	1.00	1249																								
ZZZZZZ	1.00	1252																								
ZZZZZZ	1.00	1255																								
ZZZZZZ	1.00	1258																								
ZZZZZZ	1.00	1301																								
ZZZZZZ	1.00	1304																								
ZZZZZZ	1.00	1306																								
ZZZZZZ	1.00	1309																								
ZZZZZZ	1.00	1312																								
ZZZZZZ	1.00	1315																								
CCV	1.00	1318						X																		
CCB	1.00	1321						X																		
ZZZZZZ	1.00	1324																								
ZZZZZZ	1.00	1327																								
ZZZZZZ	1.00	1330																								
ZZZZZZ	1.00	1332																								
ZZZZZZ	1.00	1335																								
ZZZZZZ	1.00	1338																								
CCV	1.00	1341						X																		
CCB	1.00	1344						X																		

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: ICP1_____ Method: P_

Start Date: 04/11/95 End Date: 04/11/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
ZZZZZZ	5.00	1425																								
ZZZZZZ	5.00	1428																								
ZZZZZZ	5.00	1431																								
ZZZZZZ	5.00	1434																								
ZZZZZZ	5.00	1437																								
ZZZZZZ	5.00	1440																								
ZZZZZZ	5.00	1443																								
ZZZZZZ	5.00	1446																								
ZZZZZZ	25.00	1449																								
C 0101A	5.00	1452						X																		
C /	1.00	1455						X																		
CCB	1.00	1458						X																		
ZZZZZZ	1.00	1501																								
ZZZZZZ	1.00	1504																								
CRI	1.00	1508						X																		
ICSA	1.00	1511						X																		
ICSAB	1.00	1514						X																		
CCV	1.00	1517																								
CCV	1.00	1521						X																		
CCB	1.00	1524						X																		

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0.0	1.00	1446			X																						
S10.0	1.00	1452			X																						
S20.0	1.00	1458			X																						
S30.0	1.00	1504			X																						
S50.0	1.00	1510			X																						
S70.0	1.00	1516			X																						
ICV	1.00	1522			X																						
ICB	1.00	1528			X																						
CRA	1.00	1534			X																						
[illegible]	1.00	1540			X																						
[illegible]	1.00	1546			X																						
ZZZZZZ	1.00	1554																									
ZZZZZZA	1.00	1600	1.3																								
ZZZZZZ	1.00	1606																									
ZZZZZZA	1.00	1612	4.9																								
CCV	1.00	1620			X																						
CCB	1.00	1626			X																						
ZZZZZZ	1.00	1632																									
ZZZZZZA	1.00	1638	96.0																								
ZZZZZZ	1.00	1644																									
ZZZZZZA	1.00	1649	101.6																								
ZZZZZZ	5.00	1656																									
ZZZZZZA	5.00	1702	100.1																								
ZZZZZZ	5.00	1708																									
ZZZZZZA	5.00	1714	67.3																								
CCV	1.00	1720			X																						
CCB	1.00	1726			X																						
ZZZZZZ	5.00	1732																									
ZZZZZZA	5.00	1738	74.8																								
ZZZZZZ	5.00	1743																									
ZZZZZZA	5.00	1750	72.8																								
ZZZZZZ	5.00	1755																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	5.00	1801	72.5																								
PBS	1.00	1807			X																						
PBSA	1.00	1813	97.5		X																						
CCV	1.00	1819			X																						
CCB	1.00	1825			X																						
LCSS	1.00	1831			X																						
LCSSA	1.00	1837	100.1		X																						
G00117	1.00	1842																									
G00117A	1.00	1848	81.2																								
G00117D	1.00	1854																									
G00117DA	1.00	1900	74.0																								
G00117S	1.00	1906			X																						
G00117SA	1.00	1912	64.5		X																						
CCV	1.00	1918			X																						
CCB	1.00	1924			X																						
G00118	1.00	1930			X																						
G00118A	1.00	1936	89.1		X																						
G00119	1.00	1942																									
G00119A	1.00	1947	83.8																								
G00120	1.00	1954																									
G00120A	1.00	1959	78.0																								
G00121	1.00	2005																									
G00121A	1.00	2011	77.7																								
CCV	1.00	2017			X																						
CCB	1.00	2023			X																						
G00122	1.00	2029																									
G00122A	1.00	2035	81.6																								
ZZZZZZ	1.00	2041																									
ZZZZZZA	1.00	2047	96.4																								
ZZZZZZ	1.00	2053																									
ZZZZZZA	1.00	2059	89.3																								
ZZZZZZ	1.00	2105																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	1.00	2111	88.9																								
CCV	1.00	2117			X																						
CCB	1.00	2123			X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0.0	1.00	1154			X																						
S10.0	1.00	1200			X																						
S20.0	1.00	1207			X																						
S30.0	1.00	1213			X																						
S50.0	1.00	1219			X																						
S70.0	1.00	1225			X																						
ICV	1.00	1231																									
ICV	1.00	1239			X																						
ICB	1.00	1245			X																						
[illegible]	1.00	1251			X																						
[illegible]V	1.00	1257			X																						
CCB	1.00	1303			X																						
ZZZZZZ	1.00	1309																									
ZZZZZZA	1.00	1315	100.1																								
ZZZZZZ	1.00	1321																									
ZZZZZZA	1.00	1326	98.7																								
ZZZZZZ	1.00	1333																									
ZZZZZZA	1.00	1338	103.1																								
ZZZZZZ	1.00	1344																									
ZZZZZZA	1.00	1350	103.1																								
CCV	1.00	1356			X																						
CCB	1.00	1402			X																						
ZZZZZZ	1.00	1408																									
ZZZZZZA	1.00	1414	98.2																								
ZZZZZZ	1.00	1420																									
ZZZZZZA	1.00	1426	105.4																								
ZZZZZZ	1.00	1432																									
ZZZZZZA	1.00	1438	107.5																								
ZZZZZZ	1.00	1444																									
ZZZZZZA	1.00	1450	104.1																								
CCV	1.00	1456			X																						
CCB	1.00	1502			X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZ	10.00	1508																									
ZZZZZZA	10.00	1514	87.2																								
ZZZZZZ	10.00	1520																									
ZZZZZZA	10.00	1526	90.4																								
ZZZZZZ	10.00	1531																									
ZZZZZZA	10.00	1537	90.1																								
ZZZZZZ	1.00	1543																									
ZZZZZZA	1.00	1549	102.8																								
CCV	1.00	1555			X																						
CCB	1.00	1601			X																						
ZZZZZZ	1.00	1607																									
ZZZZZZA	1.00	1613	107.4																								
ZZZZZZ	1.00	1619																									
ZZZZZZA	1.00	1625	102.9																								
ZZZZZZ	1.00	1631																									
ZZZZZZA	1.00	1636	-9999.9																								
ZZZZZZ	1.00	1642																									
ZZZZZZA	1.00	1648	-9999.9																								
CCV	1.00	1654			X																						
CCB	1.00	1700			X																						
ZZZZZZ	5.00	1707																									
ZZZZZZA	5.00	1712	99.4																								
ZZZZZZ	1.00	1718																									
ZZZZZZA	1.00	1724	93.9																								
ZZZZZZ	1.00	1730																									
ZZZZZZA	1.00	1736	-9999.9																								
ZZZZZZ	1.00	1742																									
ZZZZZZA	1.00	1748	102.5																								
CCV	1.00	1754			X																						
CCB	1.00	1800			X																						
ZZZZZZ	1.00	1806																									
ZZZZZZA	1.00	1812	91.7																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZ	1.00	1818																									
ZZZZZZA	1.00	1824	108.2																								
ZZZZZZ	1.00	1830																									
ZZZZZZA	1.00	1836	88.6																								
ZZZZZZ	1.00	1842																									
ZZZZZZA	1.00	1848	100.8																								
CCV	1.00	1854			X																						
CCB	1.00	1900			X																						
ZZZZZZ	1.00	1906																									
ZZZZZA	1.00	1912	96.8																								
ZZZZZ	1.00	1918																									
ZZZZZZA	1.00	1924	100.6																								
ZZZZZZ	5.00	1930																									
ZZZZZZA	5.00	1936	98.9																								
ZZZZZZ	5.00	1942																									
ZZZZZZA	5.00	1948	98.9																								
CCV	1.00	1954			X																						
CCB	1.00	2000			X																						
ZZZZZZ	5.00	2006																									
ZZZZZZA	5.00	2012	104.8																								
ZZZZZZ	1.00	2018																									
ZZZZZZA	1.00	2023	102.1																								
ZZZZZZ	1.00	2029																									
ZZZZZZA	1.00	2035	107.7																								
ZZZZZZ	1.00	2041																									
ZZZZZZA	1.00	2047	102.0																								
CCV	1.00	2053			X																						
CCB	1.00	2059			X																						
ZZZZZZ	1.00	2105																									
ZZZZZZA	1.00	2111	109.6																								
CCV	1.00	2117			X																						
CCB	1.00	2123			X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
CCV	1.00	2210			X																					
CCB	1.00	2216			X																					
ZZZZZZ	1.00	2223																								
ZZZZZZA	1.00	2228	107.9																							
ZZZZZZ	1.00	2234																								
ZZZZZZA	1.00	2240	102.8																							
ZZZZZZ	1.00	2246																								
ZZZZZZA	1.00	2252	115.2																							
ZZZZZZ	1.00	2258																								
ZZZZZA	1.00	2304	106.3																							
CCV	1.00	2310			X																					
CCB	1.00	2316			X																					
ZZZZZZ	1.00	2322																								
ZZZZZZA	1.00	2328	116.0																							
ZZZZZZ	1.00	2334																								
ZZZZZZA	1.00	2340	104.2																							
ZZZZZZ	1.00	2346																								
ZZZZZZA	1.00	2352	108.4																							
CCV	1.00	2358			X																					
CCB	1.00	0004			X																					
CCV	1.00	0029			X																					
CCB	1.00	0032			X																					
G001170	1.00	0035			X																					
G001171	1.00	0038			X																					
G001172	1.00	0041			X																					
G001173	1.00	0043			X																					
G00117D0	1.00	0046			X																					
G00117D1	1.00	0049			X																					
G00117D2	1.00	0052			X																					
G00117D3	1.00	0055			X																					
G001190	1.00	0058			X																					
G001191	1.00	0101			X																					

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G001192	1.00	0104			X																						
G001193	1.00	0107			X																						
G001200	1.00	0110			X																						
G001201	1.00	0113			X																						
G001202	1.00	0116			X																						
G001203	1.00	0119			X																						
G001210	1.00	0122			X																						
G001211	1.00	0125			X																						
G001212	1.00	0128			X																						
G001213	1.00	0131			X																						
/	1.00	0134			X																						
CCB	1.00	0137			X																						
G001220	1.00	0140			X																						
G001221	1.00	0143			X																						
G001222	1.00	0146			X																						
G001223	1.00	0149			X																						
ZZZZZZ0	1.00	0152																									
ZZZZZZ1	1.00	0155																									
ZZZZZZ2	1.00	0158																									
ZZZZZZ3	1.00	0201																									
ZZZZZZ0	1.00	0204																									
ZZZZZZ1	1.00	0207																									
ZZZZZZ2	1.00	0210																									
ZZZZZZ3	1.00	0213																									
ZZZZZZ0	1.00	0216																									
ZZZZZZ1	1.00	0219																									
ZZZZZZ2	1.00	0222																									
ZZZZZZ3	1.00	0225																									
ZZZZZZ	5.00	0228																									
ZZZZZZ	5.00	0231																									
ZZZZZZ	5.00	0234																									
ZZZZZZ	1.00	0237																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 03/31/95 End Date: 04/01/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN								
CCV	1.00	0240			X																							
CCB	1.00	0243			X																							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0.00	1.00	1021			X																					
S10.00	1.00	1026			X																					
S20.00	1.00	1031			X																					
S30.00	1.00	1036			X																					
S50.00	1.00	1041			X																					
S70.00	1.00	1046			X																					
ICV	1.00	1051			X																					
ICB	1.00	1056			X																					
CRA	1.00	1101			X																					
C[illegible]	1.00	1106			X																					
[illegible]3	1.00	1111			X																					
PBW	1.00	1116			X																					
PBWA	1.00	1121	96.0		X																					
LCSW	1.00	1126			X																					
LCSWA	1.00	1131	62.5		X																					
G00101	1.00	1136																								
G00101A	1.00	1140	80.2																							
G00101D	1.00	1145			X																					
G00101DA	1.00	1150	71.7		X																					
CCV	1.00	1155																								
CCV	1.00	1200			X																					
CCB	1.00	1205			X																					
G00101S	1.00	1210																								
G00101SA	1.00	1215	92.0																							
G00102	1.00	1220			X																					
G00102A	1.00	1225	101.8		X																					
G00102D	1.00	1230			X																					
G00102DA	1.00	1235	105.2		X																					
G00102S	1.00	1240			X																					
G00102SA	1.00	1245	96.1		X																					
CCV	1.00	1250			X																					
CCB	1.00	1255			X																					

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
G00103	1.00	1300			X																					
G00103A	1.00	1305	88.3		X																					
G00104	1.00	1310			X																					
G00104A	1.00	1315	102.0		X																					
G00105	1.00	1320																								
G00105A	1.00	1325	71.1																							
G00106	1.00	1329			X																					
G00106A	1.00	1334	98.5		X																					
CCV	1.00	1339			X																					
C B	1.00	1344			X																					
C J107	1.00	1349			X																					
G00107A	1.00	1354	88.0		X																					
G00108	1.00	1359			X																					
G00108A	1.00	1404	102.6		X																					
G00109	1.00	1409			X																					
G00109A	1.00	1414	94.4		X																					
G00110	1.00	1419			X																					
G00110A	1.00	1424	98.9		X																					
CCV	1.00	1429			X																					
CCB	1.00	1434			X																					
G00111	1.00	1439			X																					
G00111A	1.00	1444	56.1		X																					
G00112	1.00	1449			X																					
G00112A	1.00	1454	64.8		X																					
G00113	1.00	1459			X																					
G00113A	1.00	1503	87.3		X																					
G00114	1.00	1509			X																					
G00114A	1.00	1513	102.2		X																					
CCV	1.00	1518			X																					
CCB	1.00	1524			X																					
G00115	1.00	1529																								
G00115	1.00	1537			X																					

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00115A	1.00	1542	106.7		X																						
G00116	1.00	1547			X																						
G00116A	1.00	1552	96.3		X																						
ZZZZZZ	1.00	1557																									
ZZZZZZA	1.00	1602	99.6																								
ZZZZZZ	1.00	1607																									
ZZZZZZA	1.00	1612	88.8																								
CCV	1.00	1617			X																						
CCB	1.00	1622			X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0.00	1.00	2034			X																					
S10.00	1.00	2039			X																					
S20.00	1.00	2044			X																					
S30.00	1.00	2049			X																					
S50.00	1.00	2054			X																					
S70.00	1.00	2059			X																					
ICV	1.00	2104			X																					
ICB	1.00	2109			X																					
CRA	1.00	2114			X																					
C_	1.00	2119			X																					
C_	1.00	2124			X																					
ZZZZZZ	1.00	2129																								
ZZZZZZA	1.00	2134	109.9																							
ZZZZZZ	1.00	2139																								
ZZZZZZA	1.00	2144	113.0																							
ZZZZZZ	1.00	2149																								
ZZZZZZA	1.00	2154	120.9																							
ZZZZZZ	1.00	2159																								
ZZZZZZA	1.00	2204	121.3																							
CCV	1.00	2209			X																					
CCB	1.00	2214			X																					
ZZZZZZ	1.00	2219																								
ZZZZZZA	1.00	2224	115.5																							
ZZZZZZ	1.00	2229																								
ZZZZZZA	1.00	2234	109.3																							
ZZZZZZ	1.00	2239																								
ZZZZZZA	1.00	2244	106.2																							
ZZZZZZ	1.00	2249																								
ZZZZZZA	1.00	2254	101.3																							
CCV	1.00	2259			X																					
CCB	1.00	2304			X																					
G00101	1.00	2309			X																					

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00101A_	1.00	2314	98.7	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
G00101S_	1.00	2319		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
G00101SA	1.00	2324	98.9	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ__	10.00	2329		_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZA_	10.00	2334	99.8	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ__	1.00	2339		_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZA_	1.00	2344	105.9	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV_____	1.00	2349		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCB_____	1.00	2354		_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_____				_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0.00	1.00	0954			X																						
S10.00	1.00	0959			X																						
S20.00	1.00	1005			X																						
S30.00	1.00	1010			X																						
S50.00	1.00	1015			X																						
S70.00	1.00	1020			X																						
ICV	1.00	1025			X																						
ICB	1.00	1030			X																						
CRA	1.00	1035			X																						
[illegible]	1.00	1040			X																						
[illegible]	1.00	1045			X																						
CCV	1.00	1050			X																						
CCB	1.00	1053			X																						
G001050_	1.00	1055			X																						
G001051_	1.00	1058			X																						
G001052_	1.00	1100			X																						
G001053_	1.00	1103			X																						
ZZZZZZ0_	1.00	1105																									
ZZZZZZ1_	1.00	1108																									
ZZZZZZ2_	1.00	1110																									
ZZZZZZ3_	1.00	1112																									
ZZZZZZ0_	1.00	1115																									
ZZZZZZ1_	1.00	1117																									
ZZZZZZ2_	1.00	1120																									
ZZZZZZ3_	1.00	1122																									
CCV	1.00	1125			X																						
CCB	1.00	1127			X																						

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/31/95 End Date: 03/31/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1001										X														
S3	1.00	1007										X														
S10	1.00	1014										X														
S30	1.00	1020										X														
S50	1.00	1029										X														
S70	1.00	1035										X														
ICV	1.00	1041										X														
ICB	1.00	1048										X														
CRA	1.00	1055										X														
[illegible]	1.00	1101										X														
[illegible]	1.00	1108										X														
ZZZZZZ	1.00	1114																								
ZZZZZZA	1.00	1121	0.0																							
ZZZZZZ	1.00	1128																								
ZZZZZZA	1.00	1134	0.8																							
CCV	1.00	1141										X														
CCB	1.00	1147										X														
ZZZZZZ	1.00	1155																								
ZZZZZZA	1.00	1202	107.0																							
ZZZZZZ	1.00	1208																								
ZZZZZZ	1.00	1215																								
ZZZZZZA	1.00	1222	-9999.9																							
ZZZZZZ	1.00	1228																								
ZZZZZZA	1.00	1235	105.9																							
ZZZZZZ	1.00	1242																								
ZZZZZZA	1.00	1248	108.8																							
CCV	1.00	1255										X														
CCB	1.00	1301										X														
ZZZZZZ	1.00	1308																								
ZZZZZZA	1.00	1315	102.2																							
ZZZZZZ	1.00	1321																								
ZZZZZZA	1.00	1328	110.1																							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/31/95 End Date: 03/31/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
ZZZZZZ	1.00	1335																								
ZZZZZZA	1.00	1342	97.1																							
ZZZZZZ	1.00	1348																								
ZZZZZZA	1.00	1355	101.3																							
CCV	1.00	1402										X														
CCB	1.00	1408										X														
ZZZZZZ	1.00	1415																								
ZZZZZZA	1.00	1421	96.9																							
ZZZZZZ	1.00	1428																								
ZZZZZZA	1.00	1435	102.9																							
ZZZZ	1.00	1441																								
ZZZZZZA	1.00	1448	109.9																							
ZZZZZZ	1.00	1455																								
ZZZZZZA	1.00	1501	103.6																							
CCV	1.00	1508										X														
CCB	1.00	1514										X														
ZZZZZZ	1.00	1521																								
ZZZZZZA	1.00	1528	113.7																							
ZZZZZZ	1.00	1534																								
ZZZZZZA	1.00	1541	104.1																							
ZZZZZZ	1.00	1547																								
ZZZZZZA	1.00	1554	116.9																							
ZZZZZZ	1.00	1601																								
ZZZZZZA	1.00	1607	112.9																							
CCV	1.00	1614										X														
CCB	1.00	1620										X														
ZZZZZZ	1.00	1627																								
ZZZZZZA	1.00	1634	107.9																							
ZZZZZZ	1.00	1643																								
ZZZZZZA	1.00	1650	107.8																							
ZZZZZZ	1.00	1656																								
ZZZZZZA	1.00	1703	108.1																							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/31/95 End Date: 03/31/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
ZZZZZZ	1.00	1709																								
ZZZZZZA	1.00	1716	102.8																							
CCV	1.00	1723										X														
CCB	1.00	1729										X														
ZZZZZZ	1.00	1736																								
ZZZZZZA	1.00	1743	110.4																							
ZZZZZZ	1.00	1749																								
ZZZZZZA	1.00	1756	106.6																							
PBS	1.00	1802										X														
[illegible]A	1.00	1809	111.8									X														
[illegible]S	1.00	1815										X														
LCSSA	1.00	1822	112.0									X														
CCV	1.00	1829										X														
CCB	1.00	1835										X														
G00117	10.00	1842										X														
G00117A	10.00	1848	114.5									X														
G00117D	10.00	1855										X														
G00117DA	10.00	1902	114.6									X														
G00117S	10.00	1908										X														
G00117SA	10.00	1915	114.4									X														
G00118	5.00	1921										X														
G00118A	5.00	1928	112.1									X														
CCV	1.00	1935										X														
CCB	1.00	1941										X														
G00119	1.00	1948										X														
G00119A	1.00	1954	108.8									X														
G00121	2.00	2001										X														
G00121A	2.00	2008	112.6									X														
G00122	1.00	2014										X														
G00122A	1.00	2021	111.7									X														
ZZZZZZ	1.00	2027																								
ZZZZZZA	1.00	2034	114.1																							

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/31/95 End Date: 03/31/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
CCV	1.00	2041										X															
CCB	1.00	2047										X															

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/04/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	1426										X														
S3	1.00	1432										X														
S10	1.00	1439										X														
S30	1.00	1445										X														
S50	1.00	1452										X														
S70	1.00	1500										X														
ICV	1.00	1506										X														
ICB	1.00	1512										X														
CRA	1.00	1519										X														
[illegible]	1.00	1525										X														
[illegible]	1.00	1532										X														
ZZZZZZ	4.00	1538																								
ZZZZZZA	4.00	1545	85.7																							
ZZZZZZ	4.00	1552																								
ZZZZZZA	4.00	1558	83.8																							
ZZZZZZ	2.00	1605																								
ZZZZZZA	2.00	1612	80.2																							
ZZZZZZ	2.00	1618																								
ZZZZZZA	2.00	1625	85.6																							
CCV	1.00	1632										X														
CCB	1.00	1638										X														
ZZZZZZ	2.00	1645																								
ZZZZZZA	2.00	1651	77.6																							
ZZZZZZ	2.00	1658																								
ZZZZZZA	2.00	1705	79.4																							
ZZZZZZ	2.00	1711																								
ZZZZZZA	2.00	1718	79.7																							
ZZZZZZ	1.00	1725																								
ZZZZZZA	1.00	1731	108.0																							
CCV	1.00	1738										X														
CCB	1.00	1745										X														
ZZZZZZ	1.00	1751																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/04/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	1.00	1758	104.9																								
ZZZZZZ	1.00	1804																									
ZZZZZZA	1.00	1811	94.9																								
ZZZZZZ	1.00	1818																									
ZZZZZZA	1.00	1824	86.7																								
ZZZZZZ	1.00	1831																									
ZZZZZZ	1.00	1838																									
ZZZZZZA	1.00	1844	-9999.9																								
CCV	1.00	1851										X															
CCB	1.00	1858										X															
ZZZZZ	1.00	1904																									
ZZZZZZA	1.00	1911	113.5																								
ZZZZZZ	1.00	1917																									
ZZZZZZA	1.00	1924	106.4																								
ZZZZZZ	1.00	1931																									
ZZZZZZA	1.00	1937	106.7																								
ZZZZZZ	1.00	1944																									
ZZZZZZA	1.00	1950	33.5																								
CCV	1.00	1957										X															
CCB	1.00	2004										X															
ZZZZZZ	1.00	2010																									
ZZZZZZA	1.00	2017	91.8																								
ZZZZZZ	1.00	2023																									
ZZZZZZA	1.00	2030	95.0																								
ZZZZZZ	1.00	2036																									
ZZZZZZA	1.00	2043	81.8																								
ZZZZZZ	1.00	2050																									
ZZZZZZA	1.00	2056	95.3																								
CCV	1.00	2103										X															
CCB	1.00	2109										X															
ZZZZZZ	1.00	2116																									
ZZZZZZA	1.00	2122	92.7																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/04/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZ	1.00	2129																									
ZZZZZZA	1.00	2136	71.8																								
ZZZZZZ	1.00	2142																									
ZZZZZZA	1.00	2149	86.4																								
ZZZZZZ	1.00	2155																									
ZZZZZZA	1.00	2202	58.6																								
CCV	1.00	2209																									
CCV	1.00	2215										X															
CCB	1.00	2222										X															
ZZZZZZ	1.00	2228																									
ZZZZZA	1.00	2235	100.1																								
ZZZZZZ	1.00	2241																									
ZZZZZZA	1.00	2248	83.3																								
ZZZZZZ	1.00	2254																									
ZZZZZZA	1.00	2301	83.5																								
ZZZZZZ	1.00	2308																									
ZZZZZZA	1.00	2314	81.3																								
CCV	1.00	2321										X															
CCB	1.00	2327										X															
ZZZZZZ	1.00	2336																									
ZZZZZZA	1.00	2342	80.8																								
ZZZZZZ	1.00	2349																									
ZZZZZZA	1.00	2355	76.9																								
ZZZZZZ	1.00	0002																									
ZZZZZZA	1.00	0009	113.5																								
ZZZZZZ	1.00	0015																									
ZZZZZZA	1.00	0022	105.8																								
CCV	1.00	0028										X															
CCB	1.00	0035										X															
ZZZZZZ	10.00	0041																									
ZZZZZZA	10.00	0048	102.0																								
ZZZZZZ	10.00	0054																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/04/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
ZZZZZZA	10.00	0101	99.3																							
ZZZZZZ	10.00	0108																								
ZZZZZZA	10.00	0114	105.1																							
ZZZZZZ	5.00	0121																								
ZZZZZZA	5.00	0128	62.4																							
CCV	1.00	0134										X														
CCB	1.00	0141										X														
PBW	1.00	0147										X														
PBWA	1.00	0154	112.6									X														
[illegible]W	1.00	0201										X														
[illegible]WA	1.00	0208	111.5									X														
G00101	1.00	0214																								
G00101	5.00	0221																								
G00101A	5.00	0227	-9999.9																							
G00101D	1.00	0234																								
G00101DA	1.00	0241	-9999.9																							
CCV	1.00	0247										X														
CCB	1.00	0254										X														
G00101S	1.00	0300																								
G00101SA	1.00	0307	109.1																							
G00102	1.00	0314										X														
G00102A	1.00	0321	113.2									X														
G00102D	1.00	0327										X														
G00102DA	1.00	0334	113.1									X														
G00102S	1.00	0340										X														
G00102SA	1.00	0347	102.5									X														
CCV	1.00	0354										X														
CCB	1.00	0400										X														

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	0513										X														
S3	1.00	0520										X														
S10	1.00	0526										X														
S30	1.00	0533										X														
S50	1.00	0539										X														
S70	1.00	0546										X														
ICV	1.00	0552										X														
ICB	1.00	0559										X														
CRA	1.00	0605										X														
[illegible]	1.00	0612										X														
[illegible]	1.00	0618										X														
ZZZZZZ	1.00	0625																								
ZZZZZZ	5.00	0632																								
ZZZZZZA	5.00	0638	-9999.9																							
G00104	1.00	0645										X														
G00104A	1.00	0652	102.8									X														
ZZZZZZ	1.00	0658																								
ZZZZZZ	5.00	0705																								
ZZZZZZA	5.00	0712	-9999.9																							
CCV	1.00	0718										X														
CCB	1.00	0725										X														
G00106	1.00	0731										X														
G00106A	1.00	0738	114.8									X														
ZZZZZZ	1.00	0744																								
ZZZZZZ	5.00	0751																								
ZZZZZZA	5.00	0758	10.0																							
G00108	1.00	0804										X														
G00108A	1.00	0811	106.5									X														
ZZZZZZ	1.00	0817																								
ZZZZZZ	5.00	0824																								
ZZZZZZA	5.00	0830	-9999.9																							
CCV	1.00	0837										X														

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
CCB	1.00	0844										X														
G00110	1.00	0850										X														
G00110A	1.00	0857	107.4									X														
G00111	1.00	0903										X														
G00111A	1.00	0910	108.7									X														
G00112	1.00	0916										X														
G00112A	1.00	0923	110.9									X														
ZZZZZZ	1.00	0930																								
ZZZZZZ	5.00	0936																								
ZZZZA	5.00	0943	-9999.9																							
[illegible]	1.00	0949										X														
CCB	1.00	0956										X														
G00114	1.00	1002										X														
G00114A	1.00	1009	108.6									X														
G00115	1.00	1015										X														
G00115A	1.00	1022	110.7									X														
G00116	1.00	1029										X														
G00116A	1.00	1035	121.5									X														
CCV	1.00	1047										X														
CCB	1.00	1054										X														

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0	1.00	0917										X															
S3	1.00	0924										X															
S10	1.00	0930										X															
S30	1.00	0937										X															
S50	1.00	0943										X															
S70	1.00	0950										X															
ICV	1.00	0956										X															
ICB	1.00	1003										X															
CRA	1.00	1010										X															
[illegible]	1.00	1016										X															
[illegible]	1.00	1023										X															
ZZZZZZ	1.00	1029																									
ZZZZZZA	1.00	1036	2.9																								
ZZZZZZ	1.00	1043																									
ZZZZZZA	1.00	1049	0.9																								
CCV	1.00	1056										X															
CCB	1.00	1103										X															
ZZZZZZ	1.00	1118																									
ZZZZZZA	1.00	1125	49.4																								
CCV	1.00	1134										X															
CCB	1.00	1140										X															
ZZZZZZ	1.00	1147																									
ZZZZZZA	1.00	1153	110.0																								
ZZZZZZ	1.00	1200																									
ZZZZZZA	1.00	1207	109.7																								
CCV	1.00	1217										X															
CCB	1.00	1224										X															
ZZZZZZ	1.00	1230																									
ZZZZZZA	1.00	1237	105.9																								
ZZZZZZ	1.00	1244																									
ZZZZZZA	1.00	1251	104.2																								
ZZZZZZ	200.00	1257																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
ZZZZZZA	200.00	1304	106.9																							
CCV	1.00	1311										X														
CCB	1.00	1317										X														
ZZZZZZ	200.00	1324																								
ZZZZZZA	200.00	1330	112.1																							
ZZZZZZ	200.00	1337																								
ZZZZZZA	200.00	1344	108.3																							
ZZZZZZ	1.00	1350																								
ZZZZZZA	1.00	1357	107.9																							
ZZZZZ	1.00	1404																								
ZZZZA	1.00	1410	115.0																							
CCV	1.00	1417										X														
CCB	1.00	1424										X														
ZZZZZZ	1.00	1430																								
ZZZZZZA	1.00	1437	109.2																							
ZZZZZZ	1.00	1444																								
ZZZZZZA	1.00	1450	104.7																							
ZZZZZZ	1.00	1457																								
ZZZZZZA	1.00	1504	103.9																							
ZZZZZZ	1.00	1510																								
ZZZZZZA	1.00	1517	111.6																							
CCV	1.00	1524										X														
CCB	1.00	1530										X														
ZZZZZZ	1.00	1537																								
ZZZZZZA	1.00	1543	112.0																							
ZZZZZZ	1.00	1550																								
ZZZZZZA	1.00	1557	103.4																							
ZZZZZZ	1.00	1603																								
ZZZZZZA	1.00	1610	106.1																							
ZZZZZZ	1.00	1616																								
ZZZZZZA	1.00	1623	127.3																							
CCV	1.00	1630										X														

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
CCB	1.00	1636										X															
ZZZZZZ	1.00	1643																									
ZZZZZZA	1.00	1649	121.8																								
ZZZZZZ	1.00	1656																									
ZZZZZZA	1.00	1703	103.2																								
G00101	1.00	1709																									
G00101	5.00	1716																									
G00101A	5.00	1722	-9999.9																								
G00101D	1.00	1729																									
G00101DA	1.00	1736	-9999.9																								
[illegible]	1.00	1742										X															
CCB	1.00	1749										X															
G00101S	1.00	1755										X															
G00101SA	1.00	1802	109.5									X															
ZZZZZZ	4.00	1808																									
ZZZZZZA	4.00	1815	118.9																								
CCV	1.00	1822										X															
CCB	1.00	1828										X															

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0	1.00	0937										X														
S3	1.00	0944										X														
S10	1.00	0950										X														
S30	1.00	0957										X														
S50	1.00	1003										X														
S70	1.00	1010										X														
ICV	1.00	1016										X														
ICB	1.00	1023										X														
CRA	1.00	1029										X														
C[illegible]	1.00	1036										X														
C[illegible]B	1.00	1042										X														
ZZZZZZ	1.00	1049																								
ZZZZZZA	1.00	1056	111.9																							
ZZZZZZ	1.00	1102																								
ZZZZZZA	1.00	1109	126.8																							
CCV	1.00	1116										X														
CCB	1.00	1122										X														
ZZZZZZ	1.00	1130																								
ZZZZZZA	1.00	1137	106.8																							
ZZZZZZ	1.00	1145																								
ZZZZZZA	1.00	1152	113.2																							
ZZZZZZ	1.00	1159																								
ZZZZZZA	1.00	1205	94.7																							
CCV	1.00	1214										X														
CCB	1.00	1220										X														
ZZZZZZ	2.00	1232																								
ZZZZZZA	2.00	1238	113.9																							
G00101	50.00	1245										X														
G00101A	50.00	1252	125.2									X														
G00101D	5.00	1258										X														
G00101DA	5.00	1305	114.4									X														
ZZZZZZ	1.00	1312																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	1.00	1318	105.0																								
CCV	1.00	1325										X															
CCB	1.00	1331										X															

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0.00	1.00	1535													X												
S5.00	1.00	1541													X												
S10.00	1.00	1547													X												
S20.00	1.00	1553													X												
S40.00	1.00	1558													X												
S50.00	1.00	1604													X												
ICV	1.00	1609													X												
ICB	1.00	1615													X												
CRA	1.00	1621													X												
[illegible]	1.00	1626													X												
[illegible]	1.00	1632													X												
ZZZZZZ	1.00	1638																									
ZZZZZZA	1.00	1643	101.1																								
ZZZZZZ	1.00	1649																									
ZZZZZZ	1.00	1657																									
ZZZZZZA	1.00	1702	9.0																								
ZZZZZZ	1.00	1708																									
CCV	1.00	1717													X												
CCB	1.00	1723													X												
ZZZZZZ	5.00	1729																									
ZZZZZZA	5.00	1735	43.2																								
ZZZZZZ	2.00	1740																									
ZZZZZZA	2.00	1746	100.3																								
ZZZZZZ	2.00	1751																									
ZZZZZZA	2.00	1757	74.3																								
ZZZZZZ	2.00	1802																									
ZZZZZZA	2.00	1808	85.2																								
CCV	1.00	1814													X												
CCB	1.00	1819													X												
ZZZZZZ	1.00	1825																									
ZZZZZZA	1.00	1831	96.6																								
ZZZZZZ	1.00	1836																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	1.00	1842	98.9																								
ZZZZZZ	1.00	1847																									
ZZZZZZA	1.00	1853	98.0																								
ZZZZZZ	1.00	1858																									
ZZZZZZA	1.00	1904	80.7																								
CCV	1.00	1910													X												
CCB	1.00	1915													X												
ZZZZZZ	1.00	1921																									
ZZZZZZA	1.00	1926	104.7																								
ZZZZZ	1.00	1932																									
ZZZZA	1.00	1937	90.4																								
ZZZZZZ	1.00	1943																									
ZZZZZZA	1.00	1948	95.3																								
PBS	1.00	1954													X												
PBSA	1.00	2000	88.1												X												
CCV	1.00	2005													X												
CCB	1.00	2011													X												
LCSS	1.00	2017													X												
LCSSA	1.00	2022	113.2												X												
G00117	1.00	2028													X												
G00117A	1.00	2033	116.0												X												
G00117D	1.00	2039													X												
G00117DA	1.00	2044	112.3												X												
G00117S	1.00	2050													X												
G00117SA	1.00	2055	93.6												X												
CCV	1.00	2101													X												
CCB	1.00	2107													X												
G00118	1.00	2113													X												
G00118A	1.00	2118	83.1												X												
G00119	1.00	2124													X												
G00119A	1.00	2129	98.0												X												
G00120	1.00	2135													X												

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Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA3_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00120A_	1.00	2141	100.9												X												
G00121__	1.00	2146													X												
G00121A_	1.00	2152	103.8												X												
CCV_____	1.00	2158													X												
CCB_____	1.00	2203													X												
G00122__	1.00	2209													X												
G00122A_	1.00	2215	82.0												X												
ZZZZZZ__	1.00	2220																									
ZZZZZZA_	1.00	2226	89.8																								
[illegible]ZZZ__	1.00	2231																									
[illegible]ZZZA_	1.00	2237	95.6																								
ZZZZZZ__	1.00	2243																									
ZZZZZZA_	1.00	2248	97.4																								
CCV_____	1.00	2254													X												
CCB_____	1.00	2300													X												

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0	1.00	1212													X												
S5.0	1.00	1216													X												
S10.0	1.00	1220													X												
S20.0	1.00	1224													X												
S40.0	1.00	1228													X												
S50.0	1.00	1232													X												
ICV	1.00	1236													X												
ICB	1.00	1240													X												
CRA	1.00	1244																									
C V	1.00	1248													X												
3	1.00	1252													X												
ZZZZZZ	3.00	1256																									
ZZZZZZA	3.00	1300	82.3																								
ZZZZZZ	3.00	1304																									
ZZZZZZ	5.00	1308																									
ZZZZZZA	5.00	1312	106.1																								
ZZZZZZ	5.00	1316																									
ZZZZZZA	5.00	1320	100.1																								
ZZZZZZ	5.00	1323																									
ZZZZZZA	5.00	1327	91.6																								
CCV	1.00	1331													X												
CCB	1.00	1335													X												
CRA	1.00	1340													X												
CCV	1.00	1344													X												
CCB	1.00	1348													X												
ZZZZZZ	5.00	1352																									
ZZZZZZA	5.00	1356	108.5																								
ZZZZZZ	5.00	1400																									
ZZZZZZA	5.00	1404	87.3																								
ZZZZZZ	5.00	1408																									
ZZZZZZA	5.00	1412	110.1																								
ZZZZZZ	5.00	1416																									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	5.00	1420	108.4																								
ZZZZZZ	5.00	1424																									
ZZZZZZA	5.00	1428	109.4																								
CCV	1.00	1432													X												
CCB	1.00	1436													X												
ZZZZZZ	5.00	1440																									
ZZZZZZA	5.00	1444	106.1																								
ZZZZZZ	5.00	1448																									
ZZZZZZA	5.00	1452	101.2																								
ZZZZZZ	5.00	1456																									
ZZZZZA	5.00	1500	87.8																								
ZZZZZZ	5.00	1504																									
ZZZZZZA	5.00	1518	102.9																								
PBW	1.00	1522													X												
PBWA	1.00	1526	102.1												X												
CCV	1.00	1530													X												
CCB	1.00	1534													X												
LCSW	1.00	1538													X												
LCSWA	1.00	1542	100.4												X												
G00101	1.00	1546																									
G00101A	1.00	1550	22.8																								
G00101D	1.00	1554																									
G00101DA	1.00	1558	-11.7																								
G00101S	1.00	1602																									
G00102	1.00	1606													X												
G00102A	1.00	1610	69.9												X												
CCV	1.00	1614													X												
CCB	1.00	1618													X												
G00102D	1.00	1622													X												
G00102DA	1.00	1626	114.2												X												
G00102S	1.00	1629													X												
G00101	5.00	1633													X												

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00101A	5.00	1637	85.5												X												
G00101D	5.00	1641													X												
G00101DA	5.00	1645	91.2												X												
G00101S	5.00	1649													X												
CCV	1.00	1654													X												
CCB	1.00	1658													X												
G00103	1.00	1702																									
G00103A	1.00	1706	19.0																								
G00104	1.00	1710													X												
G00104A	1.00	1714	94.9												X												
G00105	1.00	1718																									
G00105A	1.00	1722	21.5																								
G00106	1.00	1725													X												
G00106A	1.00	1729	89.3												X												
G00107	1.00	1733																									
G00107A	1.00	1737	4.8																								
CCV	1.00	1741													X												
CCB	1.00	1745													X												
G00108	1.00	1749													X												
G00108A	1.00	1753	86.7												X												
G00109	1.00	1757																									
G00109A	1.00	1801	10.5																								
G00110	1.00	1805													X												
G00110A	1.00	1809	90.0												X												
G00111	1.00	1813																									
G00111A	1.00	1817	6.6																								
G00112	1.00	1821													X												
G00112A	1.00	1825	88.7												X												
CCV	1.00	1829													X												
CCB	1.00	1833													X												
G00113	1.00	1837																									
G00113A	1.00	1841	-2.2																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00114	1.00	1845													X												
G00114A	1.00	1849	86.8												X												
G00115	1.00	1853													X												
G00115A	1.00	1857	87.0												X												
G00116	1.00	1901													X												
G00116A	1.00	1905	101.6												X												
CCV	1.00	1909													X												
CCB	1.00	1913													X												

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0	1.00	0954													X												
S5.0	1.00	0958													X												
S10.0	1.00	1002													X												
S20.0	1.00	1006													X												
S40.0	1.00	1010													X												
S50.0	1.00	1014													X												
ICV	1.00	1018													X												
ICB	1.00	1022													X												
CRA	1.00	1026													X												
C 7	1.00	1030													X												
C 8	1.00	1034													X												
ZZZZZZ	1.00	1038																									
ZZZZZZA	1.00	1042	105.9																								
ZZZZZZ	1.00	1046																									
ZZZZZZA	1.00	1050	102.4																								
ZZZZZZ	1.00	1054																									
ZZZZZZA	1.00	1057	99.2																								
ZZZZZZ	1.00	1101																									
ZZZZZZA	1.00	1105	92.8																								
ZZZZZZ	5.00	1109																									
ZZZZZZA	5.00	1113	112.9																								
CCV	1.00	1117													X												
CCB	1.00	1121													X												
ZZZZZZ	5.00	1125																									
ZZZZZZA	5.00	1129	112.6																								
ZZZZZZ	5.00	1133																									
ZZZZZZ	1.00	1137																									
ZZZZZZA	1.00	1141	93.4																								
ZZZZZZ	1.00	1145																									
ZZZZZZA	1.00	1149	96.8																								
ZZZZZZ	1.00	1153																									
ZZZZZZA	1.00	1157	93.7																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA5_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
CCV	1.00	1203													X											
CCB	1.00	1207													X											
ZZZZZZ	1.00	1211																								
ZZZZZZA	1.00	1215	89.2																							
ZZZZZZ	1.00	1219																								
ZZZZZZA	1.00	1223	80.3																							
ZZZZZZ	1.00	1227																								
ZZZZZZA	1.00	1231	71.0																							
CCV	1.00	1235													X											
CCB	1.00	1239													X											
G00103	5.00	1243													X											
G00103A	5.00	1247	81.3												X											
G00105	5.00	1251													X											
G00105A	5.00	1255	92.3												X											
G00107	5.00	1259													X											
G00107A	5.00	1303	85.2												X											
G00109	5.00	1307													X											
G00109A	5.00	1311	101.7												X											
G00111	5.00	1315													X											
G00111A	5.00	1318	85.8												X											
CCV	1.00	1322													X											
CCB	1.00	1326													X											
G00113	5.00	1330																								
G00113A	5.00	1334	69.3																							
ZZZZZZ	1.00	1338																								
ZZZZZZA	1.00	1342	76.2																							
ZZZZZZ	1.00	1346																								
ZZZZZZA	1.00	1350	80.0																							
G00113	5.00	1354													X											
G00113A	5.00	1358	82.2												X											
CCV	1.00	1402													X											
CCB	1.00	1406													X											

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN								
S0	1.00	1613																X										
S10	1.00	1619																X										
S20	1.00	1625																X										
S30	1.00	1631																X										
S50	1.00	1636																X										
S70	1.00	1642																X										
ICV	1.00	1648																X										
ICB	1.00	1653																X										
CRA	1.00	1659																X										
C[illegible]	1.00	1705																X										
[illegible]	1.00	1710																X										
PBS	1.00	1716																X										
PBSA	1.00	1722	105.7															X										
LCSS	2.00	1728																X										
LCSSA	2.00	1733	99.5															X										
G00117	1.00	1739																X										
G00117A	1.00	1745	100.1															X										
G00117D	1.00	1750																X										
G00117DA	1.00	1756	96.2															X										
CCV	1.00	1802																X										
CCB	1.00	1808																X										
G00117S	2.00	1813																X										
G00117SA	2.00	1819	94.8															X										
G00118	1.00	1825																X										
G00118A	1.00	1830	102.0															X										
G00119	1.00	1836																X										
G00119A	1.00	1842	94.7															X										
G00120	1.00	1847																X										
G00120A	1.00	1853	91.9															X										
CCV	1.00	1859																X										
CCB	1.00	1904																X										
G00121	1.00	1910																X										

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA7_____ Method: F_

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
G00121A	1.00	1916	98.2															X								
G00122	1.00	1921																X								
G00122A	1.00	1927	59.4															X								
ZZZZZZ	1.00	1933																								
ZZZZZZA	1.00	1938	106.6																							
ZZZZZZ	2.00	1944																								
ZZZZZZA	2.00	1949	103.3																							
CCV	1.00	1955																X								
CCB	1.00	2001																X								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
S0	1.00	1126																X									
S10	1.00	1132																X									
S20	1.00	1138																X									
S30	1.00	1143																X									
S50	1.00	1149																X									
S70	1.00	1155																X									
ICV	1.00	1200																X									
ICB	1.00	1206																X									
CRA	1.00	1212																X									
[illegible]	1.00	1217																X									
[illegible]	1.00	1223																X									
ZZZZZZ	1.00	1229																									
ZZZZZZA	1.00	1234	107.6																								
ZZZZZZ	1.00	1240																									
ZZZZZZA	1.00	1246	105.8																								
ZZZZZZ	1.00	1251																									
ZZZZZZA	1.00	1257	107.1																								
ZZZZZZ	1.00	1303																									
ZZZZZZA	1.00	1308	99.9																								
CCV	1.00	1314																X									
CCB	1.00	1320																X									
ZZZZZZ	1.00	1325																									
ZZZZZZA	1.00	1331	107.9																								
PBW	1.00	1337																X									
PBWA	1.00	1342	109.8															X									
LCSW	2.00	1348																X									
LCSWA	2.00	1353	103.6															X									
G00101	1.00	1359																X									
G00101A	1.00	1404	68.8															X									
CCV	1.00	1416																X									
CCB	1.00	1421																X									
G00101D	1.00	1427																X									

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
G00101DA	1.00	1432	74.5															X								
G00101S_	2.00	1438																X								
G00101SA	2.00	1443	67.1															X								
G00102__	1.00	1451																X								
G00102A_	1.00	1457	115.0															X								
G00102D_	1.00	1503																X								
G00102DA	1.00	1508	109.7															X								
CCV_____	1.00	1514																X								
CCB_____	1.00	1520																X								
G00102S_	2.00	1526																X								
G00102SA	2.00	1531	101.3															X								
G00103__	1.00	1539																X								
G00103A_	1.00	1545	49.0															X								
G00104__	1.00	1550																X								
G00104A_	1.00	1556	108.5															X								
G00105__	1.00	1601																X								
G00105A_	1.00	1607	55.3															X								
CCV_____	1.00	1613																X								
CCB_____	1.00	1618																X								
G00106__	1.00	1624																X								
G00106A_	1.00	1629	105.5															X								
G00107__	1.00	1635																X								
G00107A_	1.00	1640	44.3															X								
G00108__	1.00	1646																X								
G00108A_	1.00	1651	108.8															X								
G00109__	1.00	1657																X								
G00109A_	1.00	1702	44.5															X								
CCV_____	1.00	1708																X								
CCB_____	1.00	1714																X								
G00110__	1.00	1719																X								
G00110A_	1.00	1725	105.3															X								
G00111__	1.00	1730																X								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA6_____ Method: F_

Start Date: 04/05/95 End Date: 04/05/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
G00111A	1.00	1736	62.9															X								
G00112	1.00	1741																X								
G00112A	1.00	1747	107.4															X								
G00113	1.00	1752																								
G00113A	1.00	1758	33.7																							
CCV	1.00	1804																X								
CCB	1.00	1809																X								
G00114	1.00	1815																X								
G00114A	1.00	1820	104.2															X								
G00115	1.00	1826																X								
G00115A	1.00	1832	108.3															X								
G00116	1.00	1837																X								
G00116A	1.00	1843	108.8															X								
CCV	1.00	1848																X								
CCB	1.00	1854																X								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
S0.00	1.00	1236																X								
S10.00	1.00	1241																X								
S20.00	1.00	1246																X								
S30.00	1.00	1251																X								
S50.00	1.00	1256																X								
S60.00	1.00	1300																X								
ICV	1.00	1305																X								
ICB	1.00	1310																X								
CRA	1.00	1315																X								
[illegible]	1.00	1320																X								
[illegible]	1.00	1325																X								
ZZZZZZ	1.00	1330																								
ZZZZZZA	1.00	1335	-1.4																							
ZZZZZZ	1.00	1340																								
ZZZZZZA	1.00	1345	3.0																							
CCV	1.00	1350																X								
CCB	1.00	1355																X								
ZZZZZZ	1.00	1404																								
ZZZZZZA	1.00	1409	0.4																							
ZZZZZZ	1.00	1414																								
ZZZZZZA	1.00	1418	-0.8																							
CCV	1.00	1423																X								
CCB	1.00	1428																X								
CCV	1.00	1508																								
CCB	1.00	1513																								
CCV	1.00	1518																X								
CCB	1.00	1523																X								
ZZZZZZ	1.00	1528																								
ZZZZZZA	1.00	1533	-13.0																							
CCV	1.00	1540																X								
CCB	1.00	1545																X								
ZZZZZZ	1.00	1550																								

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ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: AA4_____ Method: F_

Start Date: 04/06/95 End Date: 04/06/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZA	1.00	1555	95.6																								
ZZZZZZ	2.00	1600																									
ZZZZZZA	2.00	1604	90.3																								
ZZZZZZ	2.00	1609																									
ZZZZZZA	2.00	1614	68.9																								
ZZZZZZ	1.00	1619																									
ZZZZZZA	1.00	1624	94.4																								
CCV	1.00	1629																X									
CCB	1.00	1634																X									
[illegible]ZZZ	1.00	1639																									
[illegible]ZZZZA	1.00	1644	94.3																								
ZZZZZZ	2.00	1650																									
ZZZZZZA	2.00	1655	92.2																								
G00113	5.00	1700																X									
G00113A	5.00	1705	82.0															X									
ZZZZZZ	1.00	1710																									
ZZZZZZA	1.00	1715	89.3																								
CCV	1.00	1720																X									
CCB	1.00	1725																X									

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14
ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: HG3_____ Method: CV

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
SO	1.00	1403											X														
S0.2	1.00	1405											X														
S0.5	1.00	1408											X														
S1.0	1.00	1410											X														
S3.0	1.00	1413											X														
S5.0	1.00	1415											X														
ICV	1.00	1418											X														
ICB	1.00	1421											X														
CRA	1.00	1423											X														
[illegible]	1.00	1425											X														
G00102	1.00	1427											X														
G00102D	1.00	1430											X														
G00102S	1.00	1432											X														
G00104	1.00	1435											X														
G00106	1.00	1437											X														
G00108	1.00	1439											X														
G00110	1.00	1442											X														
G00112	1.00	1444											X														
CCV	1.00	1446											X														
CCB	1.00	1449											X														
G00114	1.00	1451											X														
G00116	1.00	1453											X														
G00101	1.00	1456																									
G00101D	1.00	1458																									
G00101S	1.00	1501																									
G00103	1.00	1504											X														
G00105	1.00	1506											X														
G00107	1.00	1509											X														
G00109	1.00	1511											X														
G00111	1.00	1514											X														
CCV	1.00	1517											X														
CCB	1.00	1519											X														

14
ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: HG3_____ Method: CV

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
G00113	1.00	1521											X														
G00115	1.00	1524											X														
CCV	1.00	1526											X														
CCB	1.00	1529											X														

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14
ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: HG3_____ Method: CV

Start Date: 03/30/95 End Date: 03/30/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN						
SO	1.00	1641											X													
S0.2	1.00	1644											X													
S0.5	1.00	1646											X													
S1.0	1.00	1649											X													
S3.0	1.00	1652											X													
S5.0	1.00	1655											X													
ICV	1.00	1658											X													
ICB	1.00	1701											X													
CRA	1.00	1704											X													
[illegible]	1.00	1706											X													
[illegible]S	1.00	1708											X													
G00117	1.00	1711											X													
G00117D	1.00	1714											X													
G00117S	1.00	1716											X													
G00118	1.00	1719											X													
G00119	1.00	1721											X													
G00120	1.00	1724											X													
G00121	1.00	1726											X													
CCV	1.00	1728											X													
CCB	1.00	1731											X													
G00122	1.00	1734											X													
CCV	1.00	1736											X													
CCB	1.00	1739											X													

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14
ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: HG3_____ Method: CV

Start Date: 04/03/95 End Date: 04/03/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN								
S0	1.00	1507											X															
S0.2	1.00	1509											X															
S0.5	1.00	1512											X															
S1.0	1.00	1514											X															
S3.0	1.00	1517											X															
S5.0	1.00	1519											X															
ICV	1.00	1522											X															
ICB	1.00	1524											X															
CRA	1.00	1527											X															
[illegible]	1.00	1529											X															
ZZZZZZ	1.00	1531																										
ZZZZZZ	1.00	1534																										
ZZZZZZ	1.00	1536																										
ZZZZZZ	1.00	1538																										
ZZZZZZ	1.00	1541																										
ZZZZZZ	1.00	1543																										
ZZZZZZ	1.00	1545																										
ZZZZZZ	1.00	1548																										
CCV	1.00	1550											X															
CCB	1.00	1552											X															
ZZZZZZ	1.00	1555																										
ZZZZZZ	1.00	1557																										
ZZZZZZ	1.00	1600																										
ZZZZZZ	1.00	1602																										
ZZZZZZ	1.00	1604																										
ZZZZZZ	1.00	1606																										
ZZZZZZ	1.00	1609																										
ZZZZZZ	1.00	1611																										
ZZZZZZ	1.00	1613																										
ZZZZZZ	1.00	1616																										
CCV	1.00	1618											X															
CCB	1.00	1620											X															

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14
ANALYSIS RUN LOG

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.:G00101

Instrument ID Number: HG3_____ Method: CV

Start Date: 04/03/95 End Date: 04/03/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	NI	SE	AG	SN	TL	V	ZN							
ZZZZZZ	1.00	1623																									
G00101	1.00	1625											X														
G00101D	1.00	1628											X														
G00101S	1.00	1630											X														
CCV	1.00	1633											X														
CCB	1.00	1636											X														

10

Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number :

Furnace AA ID Number : AA6

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead	283.30	BZ	3	1.6	F
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			1000		NR
Thallium	276.80	BZ	10	1.1	F
Vanadium			50		NR
Zinc			20		NR

Comments:

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10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number :

Furnace AA ID Number : AA7

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead	283.30	BZ	3	1.0	F
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			1000		NR
Thallium	276.80	BZ	10	0.7	F
Vanadium			50		NR
Zinc			20		NR

Comments:

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10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number : HG3

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead			3		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			1000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/15/95

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony	206.83		60	10.9	P
Arsenic			10		NR
Barium	493.41		200	0.8	P
Beryllium	313.03		5	0.3	P
Cadmium	228.80		5	2.9	P
Chromium	267.72		10	4.7	P
Cobalt	228.62		50	2.3	P
Copper	324.75		25	4.0	P
Lead	220.35		3	12.1	P
Mercury			0.2		NR
Nickel	231.60		40	4.2	P
Selenium			5		NR
Silver	328.07		10	2.5	P
Tin	189.99		100	18.4	P
Thallium			10		NR
Vanadium	292.40		50	2.1	P
Zinc	213.86		20	1.9	P

Comments:

10

Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: _____ Date: 01/15/95

Flame AA ID Number : _____

Furnace AA ID Number : AA3_____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic	193.70	BZ	10	1.6	F
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead			3		NR
Mercury			0.2		NR
Nickel			40		NR
Selenium	196.00	BZ	5	1.5	F
Silver			10		NR
Tin			100		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number :

Furnace AA ID Number : AA4

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic	193.70	BZ	10	1.9	F
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead			3		NR
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			100		NR
Thallium	276.80	BZ	10	1.7	F
Vanadium			50		NR
Zinc			20		NR

Comments:

10

Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number :

Furnace AA ID Number : AA5

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead			3		NR
Mercury			0.2		NR
Nickel			40		NR
Selenium	196.00	BZ	5	1.4	F
Silver			10		NR
Tin			100		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: _____ Date: 01/15/95

Flame AA ID Number : _____

Furnace AA ID Number : AA6_____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead	283.30	BZ	3	1.6	F
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			100		NR
Thallium	276.80	BZ	10	1.1	F
Vanadium			50		NR
Zinc			20		NR

Comments:

10
Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: Date: 01/15/95

Flame AA ID Number :

Furnace AA ID Number : AA7

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead	283.30	BZ	3	1.0	F
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			100		NR
Thallium	276.80	BZ	10	0.7	F
Vanadium			50		NR
Zinc			20		NR

Comments:

10

Instrument Detection Limits (Quarterly)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: _____ Date: 01/15/95

Flame AA ID Number : HG3_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Lead			3		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Tin			100		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/16/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	AG_
Antimony_	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	193.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0000000	0.0037270	0.0000000	0.0000000
Cobalt___	228.62	-0.0172940	0.0039320	0.0000000	0.0000000	0.0000000
Copper___	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead____	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
cury__						
ickel___	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	377.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium_	292.40	-0.0075000	-0.0054440	0.0006890	0.0000000	-0.0002360
Zinc____	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/16/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : AS_	B__	BE_	CD_	CO_
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.60	0.0000000	0.0000000	0.0000000	0.0139030	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0003550
Beryllium	313.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0004940
Chromium	267.72	0.0013460	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0020170	0.0022500	0.0000000	-0.0056050	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
' cury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0011510	0.0003640
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	377.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0128200	0.0000000	0.0005920	0.0000860	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/16/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : CR_	CU_	MN_	NA_	NI_
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0001070
Cobalt	228.62	-0.0001120	0.0000000	0.0000000	0.0000000	0.0019220
Copper	324.75	0.0000000	0.0000000	-0.0002740	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[illegible]cury						
[illegible]ckel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	377.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0009420
Vanadium	292.40	0.0009520	0.0000000	-0.0000630	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0001810

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/16/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : PB_	SB_	SE_	SI_	SN_
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.60	0.0000000	0.0005324	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0099580	0.0000000	-0.0041970	0.0000000
Cobalt	228.62	-0.0056330	-0.0014210	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0004300	-0.0015380	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.99	0.0000000	0.0008230	0.0000000	0.0029640	0.0000000
Thallium	377.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0078214	0.0000000	-0.0025370	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: WESTON_EMI_____ Contract: _____

Lab Code: WESEMI Case No.: _____ SAS No.: _____ SDG No.: G00101

ICP ID Number: ICP1_____ Date: 01/16/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : SR_	TI_	TL_	V__	ZN_
Antimony_	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	193.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0004260	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0002560	0.0000000	-0.0028220	0.0000000
Cobalt___	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper___	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0019732
Lead____	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[illegible]cury__						
[illegible]ckel___	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0032330
Selenium_	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	377.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	0.0000000	0.0081010	0.0000000	-0.0002130
Zinc____	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: WESTON_EMI Contract:

Lab Code: WESEMI Case No.: SAS No.: SDG No.: G00101

ICP ID Number: ICP1 Date: 01/15/95

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Antimony	5.00	20000.0	P
Arsenic	5.00	100000.0	P
Barium	5.00	150000.0	P
Beryllium	5.00	50000.0	P
Cadmium	5.00	50000.0	P
Chromium	5.00	100000.0	P
Cobalt	5.00	100000.0	P
Copper	5.00	100000.0	P
Lead	5.00	100000.0	P
Mercury			NR
Nickel	5.00	100000.0	P
Selenium	5.00	100000.0	P
Silver	5.00	5000.0	P
Tin	5.00	100000.0	P
Thallium	5.00	200000.0	P
Vanadium	5.00	100000.0	P
Zinc	5.00	100000.0	P

Comments:

ICP RAW DATA

OP No. 21-21G-1578
Rev. 01; Eff. Date 02/21/95

WESTON Environmental Metrics, Inc.
IC1 - ICAP 1100
CLP Cover Sheet

Raw Run/Filename: P10331B

Analysis Date: 3/31/95

Standard Traceability:

Calibration Standard Source(s) ID:

Source ID
686 : 690 : 689
691 : 703 : 713

	Book # - Page - Line
ICV Solution #:	1276 - 69 - 2
CCV Solution #:	1276 - 72 - 4
ICSA Solution #:	1276 - 69 - 4
ICSAB Solution #:	1276 - 69 - 5
CRI Solution #:	1276 - 69 - 3
20% Standard Solution #:	1276 - 68 - 2
50% Standard Solution #:	1276 - 68 - 3

RFW's to Copy: 9503G001

Analyst Signature: Brian L. Hamende Douglas Lucas Date: 3/31/95

Reviewer Signature: Jodi L Wojcik Date: 4/4/95

Analysis Report Summary Fri 03-31-95 02:10:33 PM page 1

Brian J. Hamende Douglas Lucas

run 1

#	Sample Name		File	Method	Date	Time	OpID	Type	Mode
1	S0		P10331B	95GI566	03/31/95	12:42		X	IR
2	S		P10331B	95GI566	03/31/95	12:45		X	IR
3	ICV		P10331B	95GI566	03/31/95	12:48	BH	Q	CONC
4	ICB		P10331B	95GI566	03/31/95	12:51	BH	Q	CONC
5	CRI		P10331B	95GI566	03/31/95	12:54	BH	Q	CONC
6	ISA		P10331B	95GI566	03/31/95	12:56	BH	Q	CONC
7	ISB		P10331B	95GI566	03/31/95	12:59	BH	Q	CONC
8	CCV 1		P10331B	95GI566	03/31/95	13:02	BH	Q	CONC
9	CCB		P10331B	95GI566	03/31/95	13:05	BH	Q	CONC
10	95GI566-MB1		P10331B	95GI566	03/31/95	13:08	BH	S	CONC
11	95GI566-LC1		P10331B	95GI566	03/31/95	13:11	BH	S	CONC
12	9503G001-017		P10331B	95GI566	03/31/95	13:14	BH	S	CONC
13	9503G001-017R	1	P10331B	95GI566	03/31/95	13:17	BH	S	CONC
14	9503G001-017S	1	P10331B	95GI566	03/31/95	13:19	BH	S	CONC
15	9503G001-017L	1	P10331B	95GI566	03/31/95	13:22	BH	S	CONC
16	9503G001-017A	1	P10331B	95GI566	03/31/95	13:25	BH	S	CONC
17	9503G001-018	1	P10331B	95GI566	03/31/95	13:28	BH	S	CONC
18	9503G001-019		P10331B	95GI566	03/31/95	13:31	BH	S	CONC
19	9503G001-020 report (A)		P10331B	95GI566	03/31/95	13:34	BH	S	CONC
20	CCV 2		P10331B	95GI566	03/31/95	13:37	BH	Q	CONC
21	CCB		P10331B	95GI566	03/31/95	13:40	BH	Q	CONC
22	9503G001-021		P10331B	95GI566	03/31/95	13:42	BH	S	CONC
23	9503G001-022		P10331B	95GI566	03/31/95	13:45	BH	S	CONC
24	CRI		P10331B	95GI566	03/31/95	13:48	BH	Q	CONC
25	ISA		P10331B	95GI566	03/31/95	13:51	BH	Q	CONC
26	ISB		P10331B	95GI566	03/31/95	13:54	BH	Q	CONC
27	CCV 3		P10331B	95GI566	03/31/95	13:57	BH	Q	CONC
28	CCB		P10331B	95GI566	03/31/95	14:00	BH	Q	CONC

P/0331B

Brian 2 Hamende / Douglas L Lucas

Method: 95GI566 Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	.00440	.00047	.00000	-.00008	.00128	.00011	.00806
SDev	.00039	.00016	.00000	.00003	.00011	.00007	.00022
%RSD	8.9050	33.555	.00000	34.148	8.9300	65.257	2.7808
#1	.00398	.00029	.00000	-.00010	.00126	.00019	.00806
#2	.00445	.00053	.00000	-.00010	.00140	.00010	.00784
#3	.00476	.00059	.00000	-.00005	.00118	.00005	.00829

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00135	.00000	.00002	-.00006	.00018	.00039	.00041
SDev	.00060	.00042	.00003	.00007	.00020	.00031	.00003
%RSD	44.165	21963.	173.21	114.18	109.84	78.717	6.4605
#1	.00155	-.00005	.00000	-.00015	.00039	.00029	.00039
#2	.00068	-.00039	.00000	.00000	.00000	.00015	.00044
#3	.00182	.00044	.00005	-.00005	.00015	.00074	.00039

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.00026	.00146	.00161	.00211	.00157	.00003	-.02399
SDev	.00018	.00018	.00018	.00022	.00003	.00003	.00060
%RSD	71.214	12.271	11.516	10.332	1.7018	86.608	2.5053
#1	.00034	.00136	.00165	.00204	.00160	.00000	-.02408
#2	.00005	.00136	.00140	.00194	.00155	.00005	-.02454
#3	.00039	.00167	.00177	.00235	.00157	.00005	-.02335

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.00156	.00031	.00037	.00021	-.00076	.00041
SDev	.00001	.00035	.00007	.00003	.00022	.00151
%RSD	.69969	114.03	19.856	12.832	28.962	370.71
#1	.00155	.00049	.00029	.00019	-.00063	.00170
#2	.00155	-.00010	.00044	.00024	-.00102	-.00126
#3	.00157	.00054	.00039	.00020	-.00064	.00078

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20546	--	--	--	--	--	--
SDev	143.2911	--	--	--	--	--	--
%RSD	.6974273	--	--	--	--	--	--
#1	20596	--	--	--	--	--	--
#2	20657	--	--	--	--	--	--
#3	20384	--	--	--	--	--	--

Method: 95GI566 Standard: S

Elem	13082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	8602	.18800	2.8728	.71694	1.2325	.72128	7.8239
SDev	.0007	.00306	.0047	.00015	.0006	.00502	.0183
%RSD	.01857	1.6265	.16491	.02037	.05157	.69559	.23342

#1	3.8601	.18447	2.8742	.71692	1.2325	.71562	7.8075
#2	3.8595	.18965	2.8767	.71681	1.2332	.72306	7.8206
#3	3.8610	.18987	2.8675	.71710	1.2320	.72517	7.8436

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	2.6012	1.7320	.39940	4.9587	.34239	1.8812	1.6803
SDev	.0031	.0038	.00064	.0029	.00234	.0029	.0022
%RSD	.11788	.21735	.16071	.05928	.68475	.15266	.12905

#1	2.5980	1.7277	.39977	4.9559	.33989	1.8779	1.6778
#2	2.6017	1.7349	.39978	4.9583	.34274	1.8828	1.6809
#3	2.6040	1.7333	.39866	4.9618	.34454	1.8830	1.6820

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Avge	.43571	1.2540	.54998	.44557	4.7687	1.2125	.19519
SDev	.00131	.0024	.00025	.00189	.0085	.0015	.00190
%RSD	.30016	.19533	.04480	.42452	.17819	.12193	.97222

#1	.43433	1.2514	.54972	.44340	4.7769	1.2130	.19344
#2	.43585	1.2541	.55001	.44645	4.7692	1.2137	.19493
#3	.43694	1.2563	.55021	.44686	4.7599	1.2108	.19720

Elem	Sn1899	V-2924	Zn2138	T13349	As1936	Se1960
Avge	.17108	2.0716	1.0018	1.5930	.60450	.59675
SDev	.00055	.0020	.0034	.0005	.00128	.00323
%RSD	.32282	.09552	.33857	.03041	.21214	.54106

#1	.17060	2.0729	.99840	1.5925	.60382	.59631
#2	.17096	2.0693	1.0019	1.5935	.60371	.60017
#3	.17169	2.0726	1.0052	1.5930	.60598	.59376

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20579	--	--	--	--	--	--
SDev	107.3732	--	--	--	--	--	--
%RSD	.5217609	--	--	--	--	--	--

#1	20627	--	--	--	--	--	--
#2	20654	--	--	--	--	--	--
#3	20456	--	--	--	--	--	--

Method: 95GI566 Sample Name: ICV Operator: BH
Run Time: 03/31/95 12:48:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	39.907	.82838	8.2012	2.0318	4.0787	2.0378	41.153
SDev	.094	.01577	.0060	.0082	.0250	.0078	.094
%RSD	`3547	1.9042	.07289	.40352	.61342	.38433	.22822

#1	39.926	.84312	8.1952	2.0298	4.0668	2.0372	41.098
#2	39.989	.81174	8.2013	2.0408	4.1075	2.0459	41.262
#3	39.804	.83028	8.2071	2.0247	4.0619	2.0303	41.100
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	40.000	.80000	8.0000	2.0000	4.0000	2.0000	40.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1516	4.1648	4.0836	20.415	4.0914	40.473	4.0520
SDev	.0039	.0056	.0086	.034	.0105	.132	.0086
%RSD	.09288	.13509	.21117	.16511	.25607	.32638	.21250
#1	4.1489	4.1642	4.0823	20.393	4.0806	40.464	4.0478
#2	4.1560	4.1707	4.0928	20.454	4.0921	40.610	4.0619
#3	4.1499	4.1595	4.0757	20.399	4.1015	40.346	4.0463
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	20.000	4.0000	40.000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0789	4.1487	40.004	.81252	39.511	4.0864	8.0940
SDev	.0070	.0107	.080	.00313	.104	.0025	.0898
%RSD	.17042	.25803	.20110	.38575	.26333	.06107	1.1093
#1	4.0752	4.1462	39.948	.81252	39.493	4.0837	8.1022
#2	4.0869	4.1605	40.097	.81565	39.623	4.0887	8.1793
#3	4.0746	4.1395	39.968	.80938	39.418	4.0868	8.0003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	40.000	.80000	40.000	4.0000	8.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	4.1285	4.1192	4.0410	4.0826	4.0254	4.0314	
SDev	.0294	.0060	.0245	.0051	.0077	.0477	
%RSD	.71322	.14480	.60675	.12445	.19029	1.1837	
#1	4.1625	4.1178	4.0529	4.0799	4.0225	4.0758	
#2	4.1129	4.1257	4.0573	4.0885	4.0341	4.0374	
#3	4.1102	4.1140	4.0128	4.0795	4.0197	3.9809	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem		--	--	--	--	--	--
Wavlen	1.030	--	--	--	--	--	--
Avge	21099	--	--	--	--	--	--
SDev	137.7328	--	--	--	--	--	--

%RSD	.6528035	--	--	--	--	--	--
#1	21140	--	--	--	--	--	--
#2	20945	--	--	--	--	--	--
#3	21211	--	--	--	--	--	--

Method: 95GI566 Sample Name: ICB Operator: BH
Run Time: 03/31/95 12:51:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01270	.00491	.00341	.00022	.01092	.00237	.01483
SDev	.01071	.00688	.00159	.00034	.00385	.00145	.01002
%RSD	84.356	140.27	46.487	152.20	35.245	61.290	67.588
#1	.02496	.01269	.00514	.00056	.01518	.00319	.02523
#2	.00791	.00239	.00307	-.00012	.00989	.00323	.01403
#3	.00521	-.00036	.00202	.00023	.00769	.00069	.00523
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00078	.00083	.00000	.00856	.00293	.01653	.00176
SDev	.00223	.00057	.00071	.00302	.01415	.01078	.00076
%RSD	285.46	68.071	84002.	35.266	482.74	65.217	43.439
#1	.00164	.00140	.00082	.01157	.01928	.02632	.00257
#2	-.00123	.00084	-.00041	.00856	-.00524	.01828	.00167
#3	-.00275	.00027	-.00041	.00554	-.00524	.00498	.00104
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00264	.00190	-.01949	.00019	.00807	.00135	-.02806
SDev	.00238	.00210	.04784	.00218	.01507	.00042	.11298
%RSD	90.360	110.58	245.40	1123.4	186.82	30.835	402.70
#1	.00533	.00397	.02097	.00179	.02064	.00176	.10218
#2	.00078	-.00023	-.00717	.00108	.01220	.00135	-.09982
#3	.00181	.00196	-.07228	-.00229	-.00864	.00093	-.08653
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	M	PPM	PPM	PPM	PPM	PPM
Avge	.00897	.00087	-.00048	.00196	.00394	-.01346

SDev	.01541	.00144	.00058	.00147	.01124	.01858	
%RSD	171.82	164.94	120.56	75.382	284.96	138.05	
#1	.02674	.00231	-.00080	.00362	.01242	-.02349	
#2	.00061	.00086	.00019	.00145	.00821	.00798	
#3	-.00046	-.00056	-.00084	.00081	-.00880	-.02486	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20464	--	--	--	--	--	--
SDev	168.8026	--	--	--	--	--	--
%RSD	.8248895	--	--	--	--	--	--
#1	20326	--	--	--	--	--	--
#2	20413	--	--	--	--	--	--
#3	20652	--	--	--	--	--	--

Method: 95GI566 Sample Name: CRI Operator: BH
Run Time: 03/31/95 12:54:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.40767	.13694	.41150	.01025	.21508	Q.01228	2.1254
SDev	.00884	.00982	.00078	.00005	.00111	.00121	.0046
%RSD	2.1679	7.1690	.18944	.53019	.51743	9.8465	.21513
#1	.39829	.12572	.41114	.01028	.21399	.01089	2.1211
#2	.40888	.14118	.41096	.01029	.21621	Q.01302	2.1250
#3	.41584	.14393	.41239	.01019	.21505	Q.01294	2.1302
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02096	.10620	.05804	.21225	.11639	2.0545	.03151
SDev	.00500	.00081	.00102	.00042	.00290	.0120	.00014
%RSD	23.860	.76209	1.7555	.19646	2.4892	.58169	.44745
#1	Q.01592	.10528	.05859	.21248	.11343	2.0540	.03141
#2	Q.02592	.10680	.05866	.21177	.11922	2.0668	.03145
#3	.02105	.10653	.05686	.21249	.11654	2.0429	.03167
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21020	.08591	1.9750	.02071	2.0370	.20755	.39414
SDev	.00178	.00239	.0733	.00105	.0079	.00012	.01872
%RSD	.84728	2.7812	3.7100	5.0559	.38909	.05610	4.7491
#1	.20857	.08346	1.9082	.01951	2.0451	.20757	.41287
#2	.20992	.08823	1.9635	.02126	2.0365	.20742	.37544
#3	.21210	.08605	2.0534	.02138	2.0293	.20765	.39411
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.22546	.10569	.04231	.20881	.23054	.20948
SDev	.00174	.00049	.00050	.00074	.00884	.02926
%RSD	.77363	.45913	1.1881	.35560	3.8324	13.966
#1	.22628	.10611	.04180	.20827	.22810	.18919
#2	.22665	.10581	.04280	.20852	.22319	Q.24302
#3	.22346	.10516	.04233	.20966	Q.24034	.19625
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20849	--	--	--	--	--	--
SDev	117.5798	--	--	--	--	--	--
%RSD	.5639588	--	--	--	--	--	--
#1	20794	--	--	--	--	--	--
#2	20769	--	--	--	--	--	--
#3	20984	--	--	--	--	--	--

Method: 95GI566 Sample Name: ISA Operator: BH
Run Time: 03/31/95 12:56:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	513.31	.01088	.00277	-.00048	.00748	.00544	516.52
SDev	2.11	.01357	.00002	.00001	.00324	.00207	1.48
%RSD	.41066	124.63	.86247	1.8007	43.322	38.030	.28573
#1	511.99	.02248	.00276	-.00047	.01118	.00688	515.43
#2	512.19	.01421	.00276	-.00047	.00514	.00638	515.93
#3	5.74	-.00403	.00280	-.00049	.00611	.00307	518.20
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass

Value	500.00						500.00
Range	20.000						20.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00320	-.00128	.00749	194.35	.01437	526.47	-.00210
SDev	.00369	.00044	.00069	.68	.01440	1.95	.00060
%RSD	115.15	34.114	9.1888	.34809	100.22	.36974	28.683
#1	.00542	-.00175	.00828	193.82	.00367	525.59	-.00151
#2	.00525	-.00089	.00704	194.11	.03074	525.11	-.00206
#3	-.00105	-.00119	.00715	195.11	.00869	528.70	-.00271
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01667	-.01063	-.06965	-.00908	.00908	.00699	.09884
SDev	.00124	.00148	.08994	.00126	.01042	.00027	.10907
%RSD	7.4511	13.902	129.12	13.891	114.78	3.8890	110.34
#1	-.01739	-.01110	.01409	-.00777	.01795	.00668	.21037
#2	-.01738	-.00898	-.05833	-.00918	.01169	.00709	.09374
#3	-.01523	-.01182	-.16472	-.01028	-.00240	.00720	-.00758
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00928	.00266	-.01995	.01150	-.09124	.08594	
SDev	.02166	.00116	.00218	.00021	.02735	.07113	
%RSD	233.48	43.634	10.949	1.8161	29.973	82.766	
#1	.02193	.00376	-.02246	.01140	-.06073	.10674	
#2	.02163	.00279	-.01856	.01174	-.09944	.00673	
#3	-.01573	.00144	-.01881	.01136	-.11355	.14436	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20095	--	--	--	--	--	--
SDev	172.4616	--	--	--	--	--	--
%RSD	.8582314	--	--	--	--	--	--
#1	188	--	--	--	--	--	--
#2	201	--	--	--	--	--	--
#3	19896	--	--	--	--	--	--

Method: 95GI566 Sample Name: ISB Operator: BH
Run Time: 03/31/95 12:59:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	514.89	-.01398	.50631	.50026	.00185	1.0120	517.55
SDev	3.30	.01492	.00138	.00316	.00190	.0239	3.72
%RSD	.64067	106.68	.27215	.63100	102.53	2.3637	.71924
#1	511.09	-.01536	.50493	.49675	.00281	.99806	514.70
#2	517.02	-.02817	.50634	.50285	.00309	1.0396	521.76
#3	516.55	.00158	.50768	.50120	-.00033	.99829	516.17
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48328	.48884	.52354	194.83	1.0174	527.36	.48344
SDev	.00147	.00399	.00366	1.44	.0378	3.71	.00430
%RSD	.30528	.81556	.69846	.73858	3.7188	.70315	.88955
#1	.48184	.48777	.51986	193.34	.99894	523.59	.47978
#2	.48479	.49325	.52718	196.22	1.0609	531.00	.48818
#3	.48321	.48549	.52359	194.92	.99233	527.50	.48237
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01319	.96811	-.08051	1.0194	-.00596	.00640	.06697
SDev	.00761	.00735	.05039	.0084	.00918	.00029	.09187
%RSD	57.722	.75915	62.585	.82575	153.87	4.5835	137.18
#1	-.01127	.96365	-.02238	1.0129	-.00912	.00646	.16800
#2	-.00672	.97660	-.10741	1.0289	.00437	.00666	-.01156
#3	-.02158	.96409	-.11174	1.0164	-.01315	.00608	.04447
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02647	.50504	.96797	.01105	4.9586	5.0900
SDev	.03618	.00383	.01303	.00047	.0191	.0687
%RSD	136.67	.75866	1.3459	4.2945	.38500	1.3500
#1	6498	.50249	.95408	.01094	4.9561	5.0126
#2	-.00681	.50945	.97992	.01157	4.9408	5.1438

#3	.02125	.50318	.96990	.01064	4.9788	5.1137	
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	
Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19993	--	--	--	--	--	--
SDev	302.3249	--	--	--	--	--	--
%RSD	1.512179	--	--	--	--	--	--
#1	20213	--	--	--	--	--	--
#2	19648	--	--	--	--	--	--
#3	20117	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCV Operator: BH
Run Time: 03/31/95 13:02:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.627	1.0494	10.163	2.5363	5.1515	2.5517	51.773
SDev	.276	.0135	.017	.0162	.0431	.0274	.303
%RSD	.54499	1.2893	.16479	.63802	.83709	1.0721	.58620
#1	50.807	1.0619	10.152	2.5467	5.1687	2.5707	51.962
#2	50.765	1.0350	10.156	2.5446	5.1834	2.5640	51.933
#3	50.309	1.0513	10.182	2.5177	5.1025	2.5204	51.422
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0918	5.2181	5.1060	25.853	5.1328	51.444	5.0856
SDev	.0274	.0283	.0267	.158	.0192	.276	.0250
%RSD	.53762	.54317	.52282	.61055	.37436	.53729	.49215
#1	5.1084	5.2388	5.1227	25.955	5.1383	51.611	5.0979
#2	5.1068	5.2296	5.1201	25.934	5.1486	51.595	5.1021
#3	5.0602	5.1858	5.0752	25.671	5.1114	51.125	5.0568
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1702	5.1779	50.178	1.0219	49.579	5.1127	10.179
SDev	0219	.0240	.335	.0048	.214	.0024	.055
%RSD	.42309	.46343	.66804	.46753	.43260	.04785	.54056

#1	5.1695	5.1865	50.429	1.0241	49.655	5.1135	10.117
#2	5.1924	5.1964	50.308	1.0252	49.746	5.1099	10.221
#3	5.1486	5.1508	49.797	1.0164	49.337	5.1146	10.199
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.1713	5.1822	5.1299	5.1477	5.1181	5.1329	
SDev	.0232	.0207	.0483	.0163	.0288	.0678	
%RSD	.44910	.39957	.94147	.31658	.56184	1.3214	
#1	5.1807	5.1950	5.1505	5.1558	5.0850	5.2091	
#2	5.1885	5.1933	5.1645	5.1584	5.1327	5.1107	
#3	5.1449	5.1583	5.0747	5.1290	5.1366	5.0790	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20951	--	--	--	--	--	--
SDev	305.9287	--	--	--	--	--	--
%RSD	1.460187	--	--	--	--	--	--
#1	20820	--	--	--	--	--	--
#2	20733	--	--	--	--	--	--
#3	21301	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCB Operator: BH
Run Time: 03/31/95 13:05:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03078	.00509	.00239	.00022	.00685	-.00043	.03477
SDev	.00625	.00866	.00119	.00034	.00124	.00126	.00447
%RSD	20.306	170.24	49.819	152.35	18.092	290.61	12.872
#1	.03764	.00402	.00377	.00056	.00598	-.00177	.03964
#2	.02930	-.00299	.00170	.00022	.00630	.00073	.03084
#3	.02541	.01423	.00170	-.00012	.00827	-.00026	.03382
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM

Avge	-.00146	.00084	-.00041	.01400	-.00618	.02092	.00148
SDev	.00337	.00158	.00000	.00390	.02735	.05120	.00046
%RSD	230.35	188.28	.04426	27.881	442.81	244.73	30.996
#1	.00068	.00112	-.00041	.01850	.02069	.03672	.00198
#2	-.00535	-.00086	-.00041	.01151	-.03398	-.03632	.00137
#3	.00028	.00225	-.00041	.01199	-.00525	.06235	.00108
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00266	-.00011	-.01001	-.00117	.00399	.00121	-.07526
SDev	.00065	.00102	.05187	.00150	.01284	.00047	.04452
%RSD	24.627	913.41	518.40	128.21	321.52	38.831	59.161
#1	.00306	.00100	.02082	.00003	.00824	.00176	-.09952
#2	.00190	-.00101	-.06989	-.00286	-.01043	.00094	-.10238
#3	.00301	-.00032	.01905	-.00068	.01417	.00094	-.02387
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00062	.00040	-.00030	.00114	.01503	.00358	
SDev	.00028	.00110	.00050	.00031	.00455	.01208	
%RSD	44.205	275.09	163.65	27.467	30.274	337.66	
#1	.00094	.00136	.00020	.00146	.02019	.01713	
#2	.00051	-.00080	-.00080	.00083	.01332	-.00030	
#3	.00042	.00063	-.00031	.00113	.01158	-.00609	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20406	--	--	--	--	--	--
SDev	61.23996	--	--	--	--	--	--
%RSD	.3001125	--	--	--	--	--	--
#1	20336	--	--	--	--	--	--
#2	20430	--	--	--	--	--	--
#3	20451	--	--	--	--	--	--

Method: [illegible]I566 Sample Name: 95GI566-MB1 Operator: [illegible]
Run Time 3/31/95 13:08:26

(CLP)

Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01404	.00749	.00057	-.00012	.00766	.00167	.07802
SDev	.00450	.01162	.00100	.00000	.00210	.00112	.00658
%RSD	32.057	155.20	173.21	1.2184	27.396	67.173	8.4286
#1	.01690	.00023	.00172	-.00013	.00690	.00294	.08058
#2	.00885	.00134	.00000	-.00012	.00604	.00080	.07055
#3	.01636	.02088	.00000	-.00012	.01003	.00127	.08293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00114	-.00068	.00041	.02489	.00536	.00460	.00072
SDev	.00163	.00108	.00143	.00157	.00728	.01440	.00017
%RSD	143.07	158.98	344.31	6.2959	135.86	313.27	23.702
#1	.00147	-.00145	-.00041	.02661	-.00236	-.00234	.00083
#2	-.00063	-.00115	-.00041	.02355	.00633	-.00502	.00053
#3	.00258	.00056	.00206	.02451	.01210	.02115	.00082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00031	-.00056	.00122	.00036	.01431	.00028	-.06492
SDev	.00113	.00286	.02021	.00065	.00835	.00023	.05596
%RSD	367.80	512.02	1661.1	178.94	58.358	85.506	86.187
#1	-.00029	.00032	-.02211	-.00035	.00854	.00014	-.12939
#2	-.00144	-.00375	.01308	.00051	.01049	.00055	-.03643
#3	.00081	.00175	.01268	.00093	.02388	.00014	-.02895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01953	.00041	.00022	.00044	.00552	-.01193
SDev	.01582	.00048	.00002	.00018	.00401	.00726
%RSD	81.048	115.92	7.0759	41.123	72.695	60.824
#1	.02746	.00042	.00023	.00055	.00636	-.00860
#2	.00130	-.00007	.00023	.00023	.00905	-.02025
#3	.02981	.00089	.00020	.00054	.00115	-.00693
Errors	Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pas
High	0000	.05000	.02000	.01000	.10000	.10000
Low	-.10000	-.05000	-.02000	-.01000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20243	--	--	--	--	--	--
SDev	45.08141	--	--	--	--	--	--
%RSD	.2227049	--	--	--	--	--	--
#1	20193	--	--	--	--	--	--
#2	20254	--	--	--	--	--	--
#3	20281	--	--	--	--	--	--

Method: 95GI566 Sample Name: 95GI566-LC1 Operator: BH
Run Time: 03/31/95 13:11:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.9158	.49542	1.9222	.04619	.95798	.04885	9.8882
SDev	.0063	.00583	.0021	.00022	.00286	.00247	.0238
%RSD	.33089	1.1763	.10823	.47320	.29832	5.0555	.24073
#1	1.9218	.48876	1.9238	.04608	.95512	.05015	9.8639
#2	1.9165	.49957	1.9229	.04644	.96084	.04600	9.9115
#3	1.9091	.49794	1.9199	.04605	.95799	.05039	9.8892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.4000	.60000	2.4000	.06000	1.2000	.06000	12.000
Low	1.6000	.40000	1.6000	.04000	.80000	.04000	8.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.19544	.49968	.25012	1.0202	.50571	9.7510	.48568
SDev	.00215	.00060	.00076	.0008	.00358	.0454	.00168
%RSD	1.0980	.11992	.30255	.07789	.70845	.46603	.34507
#1	.19407	.49903	.24992	1.0199	.50307	9.7887	.48421
#2	.19791	.50021	.24948	1.0197	.50427	9.7638	.48750
#3	.19433	.49981	.25095	1.0211	.50979	9.7006	.48531
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.24000	.60000	.30000	1.2000	.60000	12.000	.60000
Low	.16000	.40000	.20000	.80000	.40000	8.0000	.40000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.97894	.49646	9.3285	L.03067	9.3996	.97310	1.8808
SDev	.00726	.00064	.0823	.00141	.0237	.00205	.0529
%RSD	.74198	.12995	.88215	4.6041	.25169	.21051	2.8115
#1	.97213	.49621	9.2351	L.03014	9.3755	.97459	1.9167
#2	98659	.49719	9.3903	L.02959	9.4228	.97395	1.9056
#3	97810	.49597	9.3601	L.03226	9.4004	.97077	1.8201

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	1.2000	.60000	12.000	.06000	12.000	1.2000	2.4000
Low	.80000	.40000	8.0000	.04000	8.0000	.80000	1.6000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.99799	.49689	.47429	.98285	1.9299	1.8999
SDev	.01130	.00132	.00321	.00088	.0343	.0242
%RSD	1.1320	.26635	.67690	.08996	1.7790	1.2743
#1	.98609	.49629	.47071	.98209	1.9208	1.9031
#2	1.0086	.49841	.47693	.98382	1.9678	1.9224
#3	.99932	.49597	.47522	.98264	1.9009	1.8743

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	.60000	.60000	1.2000	2.4000	2.4000
Low	.80000	.40000	.40000	.80000	1.6000	1.6000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20754	--	--	--	--	--	--
SDev	98.97475	--	--	--	--	--	--
%RSD	.4768948	--	--	--	--	--	--
#1	20804	--	--	--	--	--	--
#2	20640	--	--	--	--	--	--
#3	20818	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-017 Operator: BH
Run Time: 03/31/95 13:14:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	43.717	.00235	.27255	.00108	.01640	.00163	14.434
SDev	.106	.01307	.00047	.00038	.00101	.00238	.023
%RSD	.24216	556.34	.17272	35.331	6.1303	146.73	.16259
#1	43.833	-.00980	.27301	.00152	.01723	.00433	14.460
#2	43.626	.00067	.27207	.00086	.01528	-.00015	14.427
#3	43.691	.01617	.27258	.00086	.01668	.00069	14.415

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08266	.01333	.05237	60.186	.11610	9.1208	.92461
SDev	.00256	.00070	.00059	.124	.01227	.0273	.00206
%RSD	0969	5.2608	1.1206	.20662	10.565	.29975	.22232
#1	.08554	.01409	.05171	60.329	.12515	9.1477	.92682

#2	.08182	.01271	.05284	60.123	.12102	9.0930	.92275
#3	.08063	.01319	.05256	60.105	.10214	9.1216	.92425
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00321	.06331	3.9241	-.00094	.18918	.06666	-.00630
SDev	.00251	.00098	.0633	.00214	.00694	.00003	.05869
%RSD	77.937	1.5480	1.6140	226.35	3.6687	.05221	931.54
#1	-.00177	.06409	3.9805	.00069	.19698	.06670	.03280
#2	-.00177	.06364	3.8556	-.00336	.18684	.06663	.02209
#3	-.00611	.06221	3.9361	-.00016	.18370	.06666	-.07379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.02272	.11911	.31220	.15869	.01773	.00846	
SDev	.00044	.00136	.00247	.00058	.01287	.02696	
%RSD	1.9170	1.1396	.79101	.36665	72.613	318.57	
#1	.02299	.12063	.31267	.15859	.03045	.01122	
#2	.02296	.11868	.30953	.15932	.01801	-.01977	
#3	.02222	.11802	.31440	.15817	.00471	.03394	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21218	--	--	--	--	--	--
SDev	73.00228	--	--	--	--	--	--
%RSD	.3440637	--	--	--	--	--	--
#1	21165	--	--	--	--	--	--
#2	21187	--	--	--	--	--	--
#3	21301	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-017R 1 Operator: BH
Run Time: 03/31/95 13:17:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	M	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.033	-.00363	.32943	.00152	.01637	.00019	15.152
SDev	.144	.00984	.00082	.00033	.00153	.00168	.030

%RSD	.34263	271.04	.24984	21.703	9.3336	863.25	.19741
#1	41.987	-.01125	.32851	.00120	.01460	.00201	15.174
#2	41.918	.00748	.33009	.00152	.01730	-.00012	15.118
#3	42.195	-.00712	.32970	.00186	.01720	-.00131	15.164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08352	.01664	.05415	63.047	.14705	9.0282	1.3925
SDev	.00280	.00019	.00075	.130	.00715	.0459	.0025
%RSD	3.3548	1.1642	1.3889	.20612	4.8654	.50893	.17957
#1	.08091	.01686	.05494	63.085	.15412	9.0746	1.3936
#2	.08317	.01657	.05405	62.902	.13981	8.9827	1.3896
#3	.08648	.01648	.05345	63.153	.14721	9.0273	1.3942
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00428	.06474	3.6047	-.00112	.19705	.06810	.01053
SDev	.00230	.00244	.0302	.00062	.00426	.00003	.00988
%RSD	53.800	3.7744	.83796	55.351	2.1641	.04485	93.784
#1	-.00170	.06654	3.5810	-.00118	.19640	.06807	.01796
#2	-.00503	.06572	3.6387	-.00171	.20160	.06813	.01432
#3	-.00612	.06196	3.5945	-.00047	.19315	.06809	-.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	T13349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.02719	.12464	.32879	.28205	.04308	.01812	
SDev	.00107	.00039	.00352	.00045	.01414	.00436	
%RSD	3.9190	.31333	1.0706	.15862	32.829	24.097	
#1	.02816	.12419	.33032	.28172	.05826	.02074	
#2	.02605	.12485	.32477	.28188	.04068	.02053	
#3	.02737	.12487	.33130	.28256	.03028	.01308	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	ounts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSE	NOTUSED
Elem		--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	21006	--	--	--	--	--	--
SDev	174.5747	--	--	--	--	--	--
%RSD	.8310840	--	--	--	--	--	--
#1	20853	--	--	--	--	--	--
#2	21196	--	--	--	--	--	--
#3	20968	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-017S 1 Operator: BH
Run Time: 03/31/95 13:19:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	55.744	.17113	2.2390	.04981	.92110	.05029	24.030
SDev	.222	.01227	.0068	.00028	.00625	.00418	.150
%RSD	.39798	7.1724	.30452	.55675	.67898	8.3106	.62613
#1	55.491	.15723	2.2418	.04949	.91476	.04776	23.871
#2	55.840	.18049	2.2312	.04999	.92127	.05511	24.170
#3	55.902	.17568	2.2439	.04994	.92726	.04799	24.048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.28857	.51928	.29609	61.470	.62169	19.879	1.3067
SDev	.00173	.00332	.00707	.271	.00568	.064	.0066
%RSD	.59961	.64019	2.3869	.44058	.91409	.32134	.50175
#1	.28833	.51644	.28883	61.177	.61517	19.812	1.2998
#2	.29041	.52293	.29651	61.710	.62430	19.939	1.3128
#3	.28698	.51846	.30295	61.523	.62561	19.886	1.3074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.93983	.56951	14.102	.04162	9.8437	1.0645	1.8676
SDev	.00581	.00375	.078	.00107	.0216	.0028	.0569
%RSD	.61804	.65789	.55645	2.5758	.21971	.26582	3.0475
#1	.93503	.56546	14.059	.04284	9.8188	1.0651	1.9328
#2	.94629	.57285	14.193	.04084	9.8576	1.0614	1.8280
#3	.93817	.57022	14.056	.04117	9.8547	1.0670	1.8419
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	10000	-.04000	-5.0000	-.01000	-5.0000	-.1000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960

Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.92285	.63289	.82198	1.1290	1.9594	1.9120	
SDev	.01473	.00302	.01578	.0027	.0504	.0200	
%RSD	1.5958	.47647	1.9198	.23772	2.5726	1.0468	
#1	.93363	.63002	.80404	1.1260	1.9450	1.9331	
#2	.92885	.63603	.82816	1.1302	2.0154	1.8933	
#3	.90607	.63262	.83373	1.1310	1.9178	1.9096	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21148	--	--	--	--	--	--
SDev	320.1880	--	--	--	--	--	--
%RSD	1.514058	--	--	--	--	--	--
#1	21474	--	--	--	--	--	--
#2	20834	--	--	--	--	--	--
#3	21135	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-017L 1 Operator: BH
Run Time: 03/31/95 13:22:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.8916	.00063	.05665	-.00013	.00527	-.00063	2.9420
SDev	.0058	.00366	.00083	.00000	.00206	.00195	.0096
%RSD	.06517	577.06	1.4633	1.0593	39.043	309.58	.32753
#1	8.8851	.00249	.05704	-.00013	.00290	.00007	2.9311
#2	8.8961	.00300	.05569	-.00013	.00649	-.00283	2.9456
#3	8.8936	-.00358	.05720	-.00012	.00643	.00087	2.9493
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01609	.00246	.01597	12.369	.02115	1.8555	.18894
SDev	.00405	.00056	.00072	.010	.00293	.0307	.00031
%RSD	25.195	22.840	4.5358	.08139	13.871	1.6532	.16644
#1	.01278	.00247	.01680	12.375	.02407	1.8808	.18923
#2	.01487	.00190	.01558	12.357	.02119	1.8214	.18898
#3	.02061	.00302	.01552	12.374	.01820	1.8642	.18860
Errors	Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000

Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00150	.01382	.77955	.00079	.02560	.01360	-.01747
SDev	.00113	.00082	.07047	.00248	.00976	.00025	.01282
%RSD	75.149	5.9271	9.0401	314.54	38.112	1.8160	73.400
#1	-.00262	.01292	.70013	-.00198	.01434	.01388	-.00922
#2	-.00036	.01452	.83462	.00153	.03083	.01348	-.03224
#3	-.00152	.01402	.80389	.00282	.03163	.01343	-.01095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00640	.02429	.06564	.03214	.02384	.00031	
SDev	.00579	.00013	.00312	.00042	.01616	.01774	
%RSD	90.382	.53475	4.7530	1.3100	67.776	5660.2	
#1	-.00013	.02414	.06505	.03238	.03953	-.01758	
#2	.00844	.02440	.06901	.03239	.02475	.00063	
#3	.01090	.02432	.06285	.03166	.00725	.01789	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20402	--	--	--	--	--	--
SDev	40.20365	--	--	--	--	--	--
%RSD	.1970606	--	--	--	--	--	--
#1	20381	--	--	--	--	--	--
#2	20376	--	--	--	--	--	--
#3	20448	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-017A 1 Operator: BH
Run Time: 03/31/95 13:25:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	43.912	.00329	.27334	.00130	.01554	.00123	14.505
SDev	.039	.01284	.00086	.00038	.00238	.00234	.034
%RSD	.08880	389.75	.31507	29.545	15.292	190.48	.23707
#1	3.941	-.01139	.27410	.00153	.01705	-.0014	14.537
#2	.868	.01239	.27351	.00086	.01280	.00269	14.469
#3	43.927	.00889	.27240	.00152	.01678	.00247	14.509

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08339	.01371	.05200	60.614	.10633	9.1391	.93031
SDev	.00245	.00186	.00077	.068	.01750	.0203	.00207
%RSD	2.9379	13.568	1.4764	.11142	16.457	.22182	.22235
#1	.08622	.01558	.05211	60.678	.12636	9.1215	.93247
#2	.08196	.01368	.05119	60.544	.09860	9.1347	.92835
#3	.08200	.01186	.05271	60.621	.09402	9.1613	.93011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00357	.06643	3.8432	-.00138	.18431	.06682	-.02871
SDev	.00227	.00364	.0965	.00111	.00137	.00003	.05587
%RSD	63.624	5.4751	2.5105	80.162	.74412	.04858	194.62
#1	-.00174	.07037	3.9349	-.00011	.18275	.06682	.03377
#2	-.00611	.06573	3.8520	-.00189	.18486	.06679	-.07387
#3	-.00286	.06320	3.7426	-.00215	.18533	.06686	-.04601

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.01902	.11871	.31828	.15986	.02933	.00717	
SDev	.00531	.00125	.00206	.00074	.01776	.03914	
%RSD	27.913	1.0501	.64592	.46468	60.535	546.16	
#1	.01291	.11996	.32035	.16071	.01835	.05075	
#2	.02165	.11869	.31826	.15933	.04982	-.02499	
#3	.02250	.11747	.31624	.15953	.01983	-.00426	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21208	--	--	--	--	--	--
SDev	189.7867	--	--	--	--	--	--
%RSD	.948827	--	--	--	--	--	--
#1	21005	--	--	--	--	--	--

#2	21381	--	--	--	--	--	--
#3	21238	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-018 1 Operator: BH
Run Time: 03/31/95 13:28:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	15.421	-.01481	.14389	.00054	.02330	.00009	164.68
SDev	.027	.01615	.00026	.00000	.00170	.00173	.56
%RSD	.17359	109.05	.18180	.07023	7.3183	1932.1	.34072
#1	15.400	-.02512	.14405	.00054	.02489	.00148	164.04
#2	15.451	-.02313	.14359	.00054	.02353	.00063	165.10
#3	15.412	.00380	.14404	.00054	.02150	-.00184	164.88
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05358	.01652	.05711	41.563	.08991	99.798	1.7517
SDev	.00230	.00096	.00653	.138	.00352	.217	.0061
%RSD	4.2926	5.8028	11.426	.33099	3.9170	.21751	.34806
#1	.05249	.01758	.05204	41.407	.09239	99.548	1.7452
#2	.05623	.01572	.05481	41.667	.08588	99.901	1.7573
#3	.05203	.01625	.06447	41.614	.09147	99.944	1.7527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00345	.06690	2.3468	-.00436	.46257	.07220	.00689
SDev	.00282	.00265	.0240	.00121	.00125	.00024	.00986
%RSD	81.607	3.9619	1.0215	27.830	.27097	.33667	143.10
#1	-.00607	.06390	2.3314	-.00459	.46113	.07247	-.00448
#2	-.00383	.06788	2.3744	-.00543	.46319	.07212	.01304
#3	-.00047	.06892	2.3347	-.00304	.46340	.07200	.01211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00508	.07871	.33557	.65467	-.00121	.05439
SDev	`0028	.00082	.00082	.00065	.00893	.01261
%RSD	5164	1.0420	.24349	.09924	736.02	23.183

#1	.00476	.07904	.33485	.65393	-.01106	.06019	
#2	.00530	.07932	.33646	.65496	.00108	.06306	
#3	.00517	.07778	.33541	.65513	.00635	.03993	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20563	--	--	--	--	--	--
SDev	66.45550	--	--	--	--	--	--
%RSD	.3231852	--	--	--	--	--	--
#1	20637	--	--	--	--	--	--
#2	20509	--	--	--	--	--	--
#3	20542	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-019 Operator: BH
Run Time: 03/31/95 13:31:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	24.433	-.00093	.10871	.00053	.01544	-.00098	4.9783
SDev	.132	.00291	.00041	.00000	.00057	.00214	.0382
%RSD	.53887	311.76	.37760	.03769	3.6966	218.79	.76805
#1	24.448	-.00207	.10918	.00053	.01488	.00046	4.9770
#2	24.557	.00238	.10843	.00053	.01602	.00005	5.0172
#3	24.295	-.00311	.10853	.00053	.01543	-.00344	4.9407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05502	.01813	.04105	53.603	.02526	8.5139	.78571
SDev	.00276	.00010	.00079	.267	.00817	.0048	.00395
%RSD	5.0111	.52993	1.9261	.49792	32.328	.05595	.50281
#1	.05753	.01818	.04177	53.545	.01670	8.5120	.78502
#2	.05545	.01818	.04118	53.894	.03296	8.5193	.78996
#3	.05207	.01802	.04021	53.370	.02612	8.5103	.78215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	M	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00791	.04731	1.8616	-.00215	.43745	.01827	-.01660

SDev	.00064	.00228	.0152	.00182	.00898	.00022	.07780
%RSD	8.0428	4.8151	.81647	84.436	2.0534	1.2199	468.62
#1	-.00717	.04908	1.8781	-.00352	.43452	.01824	.01573
#2	-.00830	.04811	1.8482	-.00009	.44753	.01851	-.10536
#3	-.00824	.04474	1.8585	-.00285	.43030	.01807	.03982
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.01031	.10265	.09054	.65098	.01523	-.00256	
SDev	.01669	.00068	.00240	.00323	.02109	.02007	
%RSD	161.94	.65827	2.6478	.49630	138.53	784.74	
#1	.02957	.10269	.09018	.65078	.00036	.02056	
#2	.00035	.10330	.09310	.65431	.00595	-.01560	
#3	.00099	.10195	.08835	.64786	.03937	-.01264	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20876	--	--	--	--	--	--
SDev	249.6404	--	--	--	--	--	--
%RSD	1.195806	--	--	--	--	--	--
#1	20914	--	--	--	--	--	--
#2	20610	--	--	--	--	--	--
#3	21105	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-020 Operator: BH
Run Time: 03/31/95 13:34:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.164	.01003	.37104	.00187	.02050	-.00040	28.935
SDev	.191	.01392	.00097	.00003	.00066	.00054	.234
%RSD	.37284	138.86	.26174	1.4881	3.2032	136.14	.80959
#1	51.190	.00824	.37163	.00186	.01988	.00021	28.820
#2	50.962	-.00292	.37156	.00185	.02044	-.00057	28.781
#3	51.340	.02476	.36992	.00190	.02119	-.00083	29.205
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	20000	-.06000	-.20000	-.00500	-.05000	-.0050c	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07665	.01965	.04500	67.949	.16423	17.421	1.5584
SDev	.00336	.00131	.00194	.331	.00931	.127	.0101
%RSD	4.3886	6.6854	4.3210	.48729	5.6707	.73170	.64587
#1	.07561	.01932	.04302	67.816	.15399	17.419	1.5520
#2	.07393	.02110	.04509	67.705	.17219	17.294	1.5531
#3	.08041	.01854	.04691	68.326	.16652	17.549	1.5700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00686	.06168	2.7404	-.00390	1.0923	.04281	-.09067
SDev	.00257	.00462	.0571	.00178	.0154	.00009	.04367
%RSD	37.418	7.4828	2.0830	45.592	1.4071	.20646	48.160
#1	-.00389	.06057	2.7856	-.00452	1.0820	.04273	-.10994
#2	-.00829	.05771	2.6762	-.00190	1.0849	.04280	-.04068
#3	-.00839	.06674	2.7592	-.00529	1.1100	.04290	-.12138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01043	.14432	.17197	.45728	.02239	-.00076
SDev	.01104	.00165	.00205	.00092	.00995	.01378
%RSD	105.86	1.1433	1.1899	.20214	44.429	1821.1
#1	.01429	.14312	.17337	.45731	.02713	-.01603
#2	.01902	.14364	.16963	.45635	.01096	.00301
#3	-.00202	.14620	.17293	.45820	.02908	.01074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20683	--	--	--	--	--	--
SDev	430.1457	--	--	--	--	--	--
%RSD	2.079740	--	--	--	--	--	--
#1	20850	--	--	--	--	--	--
#2	21004	--	--	--	--	--	--
#3	20194	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCV Operator: BH
Run Time: 03/31/95 13:37:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.817	1.0564	10.198	2.5772	5.2013	2.5944	52.463
SDev	.033	.0141	.022	.0038	.0040	.0034	.186
%RSD	.06443	1.3379	.21289	.14659	.07599	.13039	.35429
#1	50.824	1.0661	10.177	2.5799	5.2028	2.5977	52.642
#2	50.781	1.0630	10.220	2.5729	5.1968	2.5909	52.271
#3	50.846	1.0402	10.195	2.5788	5.2042	2.5946	52.478
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1486	5.2945	5.1204	26.175	5.2388	52.183	5.1464
SDev	.0207	.0142	.0060	.049	.0206	.048	.0093
%RSD	.40294	.26805	.11751	.18775	.39233	.09244	.18099
#1	5.1673	5.3049	5.1135	26.223	5.2625	52.215	5.1541
#2	5.1263	5.2783	5.1242	26.125	5.2259	52.206	5.1360
#3	5.1521	5.3003	5.1236	26.178	5.2280	52.127	5.1491
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2753	5.2603	50.007	1.0337	49.931	5.1477	10.165
SDev	.0061	.0144	.073	.0020	.067	.0063	.090
%RSD	.11612	.27437	.14507	.18919	.13380	.12261	.88914
#1	5.2789	5.2699	49.931	1.0357	49.867	5.1422	10.144
#2	5.2682	5.2437	50.076	1.0318	50.000	5.1546	10.264
#3	5.2788	5.2673	50.013	1.0337	49.925	5.1464	10.087
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2566	5.2294	5.2216	5.2054	5.2263	5.1353
SDev	.0321	.0058	.0165	.0022	.0326	.0496
%RSD	.60995	.11027	.31665	.04193	.62342	.96522
#1	5.2854	5.2350	5.2343	5.2078	5.2481	5.0942
#2	5.2220	5.2235	5.2029	5.2035	5.1889	5.1213
#3	2623	5.2297	5.2276	5.2049	5.2420	5.1903
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20689	--	--	--	--	--	--
SDev	111.9420	--	--	--	--	--	--
%RSD	.5410699	--	--	--	--	--	--
#1	20598	--	--	--	--	--	--
#2	20814	--	--	--	--	--	--
#3	20655	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCB J Operator: BH
Run Time: 03/31/95 13:40:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02249	.00490	.00272	-.00034	.00697	.00164	.02116
SDev	.01244	.00566	.00035	.00019	.00358	.00112	.00908
%RSD	55.307	115.64	12.996	56.568	51.274	68.470	42.925
#1	.03450	.01115	.00310	-.00047	.00967	.00106	.03083
#2	.02331	.00342	.00239	-.00012	.00833	.00092	.01986
#3	.00966	.00012	.00269	-.00044	.00292	.00293	.01280
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00053	.00019	-.00041	.01185	-.00082	.00697	.00205
SDev	.00240	.00192	.00000	.00360	.02362	.01735	.00039
%RSD	455.51	1008.7	.10049	30.328	2865.8	248.92	18.924
#1	-.00136	.00170	-.00041	.01560	-.00236	-.00758	.00229
#2	.00218	.00084	-.00041	.01153	.02352	.02618	.00226
#3	-.00239	-.00197	-.00041	.00843	-.02364	.00231	.00160
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00378	.00154	-.01357	-.00032	.00122	.00122	-.03870
SDev	.00183	.00236	.03014	.00085	.00688	.00063	.11071
%RSD	48.506	153.20	222.13	264.53	564.44	52.023	286.05
#1	.00538	.00411	-.02274	-.00081	.00532	.00177	.01633
#2	.00417	.00103	.02009	.00066	.00506	.00135	-.16614

#3	.00178	-.00053	-.03806	-.00081	-.00672	.00053	.03370
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03259	.00103	-.00063	.00083	-.00225	.01489	
SDev	.00250	.00097	.00161	.00095	.00477	.01838	
%RSD	7.6845	94.663	253.56	113.45	212.12	123.50	
#1	.03293	.00089	.00120	.00178	-.00769	.00976	
#2	.03490	.00206	-.00129	.00083	.00117	.03529	
#3	.02993	.00013	-.00181	-.00011	-.00022	-.00039	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20455	--	--	--	--	--	--
SDev	258.0743	--	--	--	--	--	--
%RSD	1.261689	--	--	--	--	--	--
#1	20240	--	--	--	--	--	--
#2	20383	--	--	--	--	--	--
#3	20741	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-021 Operator: BH
Run Time: 03/31/95 13:42:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	42.303	.00352	.30034	.00154	.03014	.00088	7.4909
SDev	.106	.00347	.00092	.00059	.00129	.00183	.0516
%RSD	.25061	98.661	.30538	38.344	4.2980	208.41	.68939
#1	42.325	.00306	.30122	.00187	.03136	.00283	7.4701
#2	42.397	.00720	.29939	.00190	.02878	-.00081	7.5497
#3	42.188	.00030	.30042	.00086	.03026	.00062	7.4529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.5192	.01957	.03579	52.296	.03998	5.6201	1.2214
SDev	.0252	.00168	.00107	.220	.00283	.0178	.0065
%RSD	4.0675	8.5765	2.9991	.42059	7.0847	.31622	.52981

#1	.06054	.01795	.03478	52.193	.04037	5.6009	1.2179
#2	.06483	.02130	.03692	52.549	.04260	5.6359	1.2288
#3	.06040	.01945	.03568	52.146	.03698	5.6235	1.2174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00314	.04649	2.8049	-.00152	.24097	.02315	-.09348
SDev	.00227	.00180	.0717	.00203	.00813	.00031	.06204
%RSD	72.296	3.8789	2.5550	133.10	3.3748	1.3351	66.363
#1	-.00387	.04825	2.7227	-.00282	.23329	.02341	-.12403
#2	-.00495	.04656	2.8546	.00081	.24949	.02281	-.13433
#3	-.00059	.04465	2.8373	-.00256	.24012	.02322	-.02209
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.02511	.12494	.11443	.64828	.01624	-.00024	
SDev	.00410	.00133	.00258	.00258	.02248	.03764	
%RSD	16.342	1.0612	2.2551	.39768	138.39	15485.	
#1	.02911	.12435	.11177	.64810	-.00242	.01248	
#2	.02091	.12645	.11692	.65095	.04120	.02938	
#3	.02531	.12401	.11461	.64580	.00995	-.04259	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20683	--	--	--	--	--	--
SDev	362.1330	--	--	--	--	--	--
%RSD	1.750845	--	--	--	--	--	--
#1	20801	--	--	--	--	--	--
#2	20277	--	--	--	--	--	--
#3	20972	--	--	--	--	--	--

Method: 95GI566 Sample Name: 9503G001-022 Operator: BH
Run Time: 03/31/95 13:45:51
Comment:
Mode: CC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.184	-.00928	.04690	.00031	.03124	.00461	502.56
SDev	.016	.00282	.00098	.00020	.00281	.00057	.60
%RSD	.16136	30.379	2.0828	64.827	8.9797	12.394	.11960
#1	10.166	-.01189	.04802	.00055	.03448	.00505	502.16
#2	10.188	-.00965	.04627	.00020	.02956	.00397	502.27
#3	10.197	-.00629	.04640	.00020	.02968	.00481	503.25
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02702	.00897	.04950	33.937	.02982	248.24	1.5550
SDev	.00241	.00045	.00150	.053	.00520	.34	.0023
%RSD	8.9096	4.9847	3.0265	.15676	17.438	.13801	.14615
#1	.02822	.00935	.04777	33.917	.03472	247.86	1.5540
#2	.02859	.00848	.05029	33.896	.02436	248.33	1.5535
#3	.02425	.00909	.05043	33.997	.03038	248.53	1.5577
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00139	.02192	1.5909	-.00457	.65150	.17887	.05212
SDev	.00307	.00050	.0530	.00067	.00603	.00041	.09295
%RSD	221.40	2.2863	3.3328	14.720	.92614	.23066	178.36
#1	-.00024	.02249	1.6259	-.00390	.65685	.17926	.13107
#2	-.00487	.02173	1.6169	-.00458	.65267	.17844	.07561
#3	.00094	.02154	1.5299	-.00525	.64496	.17892	-.05033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.01355	.05846	.11258	.63788	.00923	.05310	
SDev	.00015	.00017	.00174	.00053	.01190	.03186	
%RSD	1.0795	.29378	1.5489	.08326	128.87	59.991	
#1	.01346	.05866	.11315	.63793	.01935	.04228	
#2	.01346	.05841	.11063	.63733	-.00388	.08896	
#3	.01372	.05833	.11397	.63839	.01223	.02807	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7

Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19843	--	--	--	--	--	--
SDev	30.89229	--	--	--	--	--	--
%RSD	.1556861	--	--	--	--	--	--
#1	19861	--	--	--	--	--	--
#2	19860	--	--	--	--	--	--
#3	19807	--	--	--	--	--	--

Method: 95GI566 Sample Name: CRI Operator: BH
Run Time: 03/31/95 13:48:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.41240	.12671	.41364	.01014	.21244	.01026	2.2789
SDev	.00304	.00910	.00152	.00010	.00119	.00129	.0162
%RSD	.73790	7.1801	.36830	.97530	.55858	12.574	.71270
#1	.41590	.12244	.41401	.01023	.21379	.01070	2.2976
#2	.41034	.13716	.41495	.01015	.21197	.00880	2.2702
#3	.41097	.12053	.41197	.01004	.21156	.01127	2.2688
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02027	.10743	.05966	.22554	.10935	2.1480	.03190
SDev	.00261	.00101	.00069	.00179	.01244	.0161	.00012
%RSD	12.865	.93814	1.1587	.79533	11.379	.74845	.38326
#1	.02062	.10759	.05953	.22749	.09886	2.1442	.03183
#2	.01751	.10836	.05904	.22518	Q.12310	2.1342	.03184
#3	.02269	.10636	Q.06041	.22396	.10609	2.1656	.03205
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21546	.08764	1.9472	.02016	2.0474	.20947	.36271
SDev	.00390	.00133	.0358	.00031	.0088	.00059	.02004
%RSD	1.8092	1.5189	1.8396	1.5536	.43204	.28131	5.5260
#1	.21203	.08690	1.9597	.01982	2.0572	.20943	.38555
#2	.21464	.08918	1.9068	.02043	2.0451	.21008	.34806
#3	.21970	.08684	1.9750	.02024	2.0399	.20890	.35451
Errors	Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000

Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.21717	.10620	.04344	.21121	.22428	.21961	
SDev	.01136	.00084	.00149	.00073	.01909	.01131	
%RSD	5.2312	.78636	3.4284	.34649	8.5113	5.1493	
#1	.22494	.10658	.04206	.21037	.21434	.22781	
#2	.22244	.10525	.04502	.21163	Q.24629	.22430	
#3	.20413	.10678	.04323	.21164	.21221	.20671	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.20000	.10000	.04000	.20000	.20000	.20000	
Range	20.000	20.000	20.000	20.000	20.000	20.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20841	--	--	--	--	--	--
SDev	239.5043	--	--	--	--	--	--
%RSD	1.149180	--	--	--	--	--	--
#1	20885	--	--	--	--	--	--
#2	21056	--	--	--	--	--	--
#3	20583	--	--	--	--	--	--

Method: 95GI566 Sample Name: ISA Operator: BH
Run Time: 03/31/95 13:51:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	518.76	.00584	.00280	-.00084	.00609	.00164	524.18
SDev	.77	.01999	.00037	.00001	.00347	.00225	.95
%RSD	.14884	342.10	13.332	1.4704	56.900	137.49	.18166
#1	518.04	.00398	.00280	-.00084	.00214	.00333	523.67
#2	518.67	-.01315	.00317	-.00085	.00754	.00250	525.28
#3	519.58	.02670	.00243	-.00082	.00860	-.00092	523.59
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00179	-.00236	.00925	197.79	.02098	537.19	-.00026
SDev	.00089	.00102	.00200	.36	.00971	.53	.00002
%RSD	49.841	43.293	21.609	.18314	46.289	.09900	7.7463
#1	00227	-.00294	.00966	197.38	.02983	536.64	-.00028
#2	.00076	-.00296	.01101	198.08	.02252	537.24	-.00024
#3	-.00235	-.00118	.00708	197.91	.01059	537.70	-.00026

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01448	-.01214	-.09436	-.01190	-.00004	.00678	.02934
SDev	.00489	.00167	.05415	.00167	.01311	.00006	.09053
%RSD	33.764	13.754	57.388	14.036	37201.	.87884	308.55
#1	-.01292	-.01403	-.06395	-.00998	-.00874	.00678	-.00702
#2	-.01996	-.01085	-.06225	-.01273	-.00642	.00683	-.03736
#3	-.01056	-.01154	-.15689	-.01300	.01505	.00672	.13240
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.01344	.00128	-.02205	.01186	-.06260	-.00327	
SDev	.01104	.00101	.00194	.00012	.02748	.06247	
%RSD	82.168	78.404	8.8176	.99486	43.906	1909.1	
#1	-.00519	.00041	-.02428	.01194	-.05067	.03302	
#2	-.00914	.00239	-.02113	.01193	-.09403	-.07540	
#3	-.02599	.00105	-.02073	.01173	-.04309	.03257	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19915	--	--	--	--	--	--
SDev	168.9566	--	--	--	--	--	--
%RSD	.8483745	--	--	--	--	--	--
#1	19901	--	--	--	--	--	--
#2	19754	--	--	--	--	--	--
#3	20091	--	--	--	--	--	--

Method: 95GI566 Sample Name: ISB Operator: BH
Run Time: 03/31/95 13:54:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	518.58	.00318	.50932	.50871	.00276	1.0280	522.35
SDev	.54	.00950	.00035	.00147	.00049	.0191	1.07
%RSD	0425	298.81	.06844	.28909	17.762	1.8612	.20430

#1	519.21	-.00337	.50905	.50704	.00303	1.0245	521.57
#2	518.25	.01407	.50971	.50981	.00220	1.0109	521.91
#3	518.30	-.00117	.50919	.50928	.00307	1.0486	523.56
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49000	.49995	.52636	197.39	1.0037	535.96	.49119
SDev	.00169	.00167	.00222	.21	.0138	.42	.00061
%RSD	.34475	.33325	.42220	.10449	1.3772	.07747	.12415
#1	.48837	.49909	.52824	197.16	1.0189	536.21	.49114
#2	.48989	.50187	.52693	197.45	.99200	535.49	.49060
#3	.49174	.49890	.52391	197.56	1.0001	536.20	.49182
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01327	.98132	-.12224	1.0255	-.01050	.00655	.12723
SDev	.00178	.00644	.06136	.0018	.01605	.00003	.00791
%RSD	13.388	.65633	50.200	.17175	152.84	.46330	6.2154
#1	-.01480	.97391	-.08269	1.0263	-.00773	.00655	.13100
#2	-.01132	.98563	-.19292	1.0235	-.02776	.00652	.11814
#3	-.01368	.98441	-.09109	1.0267	.00398	.00658	.13255
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.00704	.50972	.98385	.01135	5.0377	5.0497	
SDev	.01755	.00159	.00720	.00033	.0473	.0782	
%RSD	249.23	.31090	.73228	2.8939	.93840	1.5488	
#1	-.02076	.51152	.97555	.01173	5.0538	5.0732	
#2	-.01311	.50854	.98754	.01118	5.0747	4.9625	
#3	.01274	.50909	.98846	.01115	4.9844	5.1135	
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	
Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	1.030	--	--	--	--	--	--
Avge	948	--	--	--	--	--	--
SDev	85.75741	--	--	--	--	--	--

%RSD	.4299120	--	--	--	--	--	--
#1	19940	--	--	--	--	--	--
#2	20037	--	--	--	--	--	--
#3	19866	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCV 3 Operator: BH
Run Time: 03/31/95 13:57:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.117	1.0690	10.249	2.5995	5.2319	2.5992	52.435
SDev	.149	.0158	.025	.0063	.0146	.0009	.078
%RSD	.29206	1.4805	.24488	.24116	.27963	.03634	.14970
#1	51.272	1.0507	10.261	2.6061	5.2451	2.6003	52.469
#2	50.974	1.0770	10.220	2.5936	5.2162	2.5988	52.490
#3	51.105	1.0791	10.266	2.5987	5.2343	2.5985	52.345
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1512	5.3141	5.1395	26.282	5.2627	52.459	5.1619
SDev	.0071	.0106	.0085	.030	.0115	.093	.0050
%RSD	.13864	.19994	.16556	.11499	.21896	.17663	.09605
#1	5.1505	5.3104	5.1466	26.310	5.2504	52.541	5.1668
#2	5.1586	5.3261	5.1300	26.286	5.2732	52.358	5.1621
#3	5.1444	5.3059	5.1418	26.250	5.2644	52.477	5.1569
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3081	5.2749	49.946	1.0344	50.161	5.1765	10.236
SDev	.0113	.0033	.065	.0054	.117	.0103	.059
%RSD	.21247	.06228	.12916	.51846	.23234	.19906	.57348
#1	5.2999	5.2718	49.952	1.0309	50.257	5.1843	10.168
#2	5.3209	5.2784	49.879	1.0406	50.031	5.1648	10.272
#3	5.3034	5.2746	50.007	1.0318	50.195	5.1804	10.267
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2368	5.2373	5.2401	5.2358	5.2011	5.1642

SDev	.0331	.0035	.0141	.0063	.0140	.0316	
%RSD	.63295	.06665	.26883	.12101	.26946	.61184	
#1	5.2094	5.2403	5.2421	5.2401	5.2173	5.1284	
#2	5.2736	5.2381	5.2251	5.2285	5.1920	5.1882	
#3	5.2274	5.2335	5.2530	5.2387	5.1941	5.1759	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20750	--	--	--	--	--	--
SDev	100.7786	--	--	--	--	--	--
%RSD	.4856723	--	--	--	--	--	--
#1	20811	--	--	--	--	--	--
#2	20634	--	--	--	--	--	--
#3	20806	--	--	--	--	--	--

Method: 95GI566 Sample Name: CCB 3 Operator: BH
Run Time: 03/31/95 14:00:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04589	.00243	.00366	-.00024	.00697	.00233	.04709
SDev	.00043	.00440	.00069	.00040	.00119	.00061	.00513
%RSD	.94368	181.06	18.922	166.91	17.041	26.273	10.884
#1	.04606	-.00198	.00444	.00022	.00831	.00166	.05298
#2	.04620	.00682	.00310	-.00047	.00607	.00247	.04363
#3	.04539	.00244	.00345	-.00047	.00652	.00286	.04466
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00038	.00112	.00290	.01739	-.00529	.02635	.00209
SDev	.00168	.00085	.00574	.00272	.00578	.02250	.00042
%RSD	443.22	75.668	197.67	15.634	109.34	85.371	20.284
#1	.00198	.00197	-.00041	.02042	.00048	.05216	.00255
#2	-.00137	.00027	-.00041	.01661	-.01108	.01604	.00171
#3	.00053	.00113	.00953	.01515	-.00527	.01086	.00202
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	0000	.00000	.00000	.00000	.00000	.00000	.00000
Range	1000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00158	.00176	-.01412	.00035	.00248	.00163	-.14877
SDev	.00169	.00242	.04022	.00043	.01306	.00023	.03056
%RSD	107.49	137.58	284.81	122.14	527.17	13.978	20.541
#1	.00303	-.00099	.01982	.00065	.01737	.00175	-.11465
#2	.00198	.00271	-.05855	-.00014	-.00293	.00177	-.15801
#3	-.00028	.00355	-.00364	.00055	-.00701	.00137	-.17364
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02045	.00136	.00152	.00157	.00858	.00557
SDev	.01715	.00062	.00028	.00035	.00955	.02025
%RSD	83.851	45.691	18.139	22.500	111.30	363.55
#1	.00065	.00159	.00167	.00176	-.00240	.01127
#2	.03017	.00184	.00121	.00116	.01494	-.01692
#3	.03053	.00066	.00170	.00179	.01321	.02236
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20262	--	--	--	--	--	--
SDev	123.8722	--	--	--	--	--	--
%RSD	.6113626	--	--	--	--	--	--
#1	20401	--	--	--	--	--	--
#2	20220	--	--	--	--	--	--
#3	20164	--	--	--	--	--	--

Analysis Report Summary Mon 04-03-95 04:56:46 PM page 1

Brian2 Hamende Douglas Lucas

run 2

#	Sample Name		File	Method	Date	Time	OpID	Type	Mode
1	S0		P10403D	95GI568	04/03/95	14:57		X	IR
2	S		P10403D	95GI568	04/03/95	15:00		X	IR
3	ICV		P10403D	95GI568	04/03/95	15:03	BH	Q	CONC
4	ICB		P10403D	95GI568	04/03/95	15:06	BH	Q	CONC
5	CRI		P10403D	95GI568	04/03/95	15:09	BH	Q	CONC
6	ISA		P10403D	95GI568	04/03/95	15:12	BH	Q	CONC
7	ISB		P10403D	95GI568	04/03/95	15:14	BH	Q	CONC
8	CCV 1		P10403D	95GI568	04/03/95	15:17	BH	Q	CONC
9	CCB		P10403D	95GI568	04/03/95	15:20	BH	Q	CONC
10	95GI568-MB1		P10403D	95GI568	04/03/95	15:23	BH	S	CONC
11	95GI568-LC1		P10403D	95GI568	04/03/95	15:26	BH	S	CONC
12	9503G983-002		P10403D	95GI568	04/03/95	15:29	BH	S	CONC
13	9503G983-003		P10403D	95GI568	04/03/95	15:32	BH	S	CONC
14	9503G983-004		P10403D	95GI568	04/03/95	15:35	BH	S	CONC
15	9503G983-005		P10403D	95GI568	04/03/95	15:38	BH	S	CONC
16	9503G983-006		P10403D	95GI568	04/03/95	15:40	BH	S	CONC
17	9503G983-007		P10403D	95GI568	04/03/95	15:43	BH	S	CONC
18	9503G983-008		P10403D	95GI568	04/03/95	15:46	BH	S	CONC
19	9503G983-009		P10403D	95GI568	04/03/95	15:49	BH	S	CONC
20	CCV 2		P10403D	95GI568	04/03/95	15:52	BH	Q	CONC
21	CCB		P10403D	95GI568	04/03/95	15:55	BH	Q	CONC
22	9503G983-010		P10403D	95GI568	04/03/95	15:58	BH	S	CONC
23	9503G983-011		P10403D	95GI568	04/03/95	16:01	BH	S	CONC
24	9503G983-011RI		P10403D	95GI568	04/03/95	16:03	BH	S	CONC
25	9503G983-011S1		P10403D	95GI568	04/03/95	16:06	BH	S	CONC
26	9503G983-011L	1	P10403D	95GI568	04/03/95	16:09	BH	S	CONC
27	9503G983-011A	1	P10403D	95GI568	04/03/95	16:12	BH	S	CONC
28	9503G983-013		P10403D	95GI568	04/03/95	16:15	BH	S	CONC
29	9503G983-014		P10403D	95GI568	04/03/95	16:18	BH	S	CONC
30	9503G983-015		P10403D	95GI568	04/03/95	16:21	BH	S	CONC
31	9503G983-016		P10403D	95GI568	04/03/95	16:24	BH	S	CONC
32	CCV 3		P10403D	95GI568	04/03/95	16:27	BH	Q	CONC
33	CCB		P10403D	95GI568	04/03/95	16:29	BH	Q	CONC
34	9503G001-017A (Sb only)	1	P10403D	95GI568	04/03/95	16:32	BH	S	CONC
35	CRI		P10403D	95GI568	04/03/95	16:35	BH	Q	CONC
36	ISA		P10403D	95GI568	04/03/95	16:38	BH	Q	CONC
37	ISB		P10403D	95GI568	04/03/95	16:41	BH	Q	CONC
38	CCV 4		P10403D	95GI568	04/03/95	16:44	BH	Q	CONC
39	CCB		P10403D	95GI568	04/03/95	16:47	BH	Q	CONC

OP No. 21-21G-1578
Rev. 01; Eff. Date 02/21/95

WESTON Environmental Metrics, Inc.
IC1 - ICAP 1100
CLP Cover Sheet

Raw Run/Filename: P10403D

Analysis Date: 4/3/95

Standard Traceability:

	Source ID
Calibration Standard Source(s) ID:	686 : 690 : 689
	691 : 703 : 713

	Book # - Page - Line
ICV Solution #:	1276 - 69 - 2
CCV Solution #:	1276 - 72 - 4
ICSA Solution #:	1276 - 69 - 4
ICSAB Solution #:	1276 - 69 - 5
CRI Solution #:	1276 - 69 - 3
20% Standard Solution #:	1276 - 68 - 2
50% Standard Solution #:	1276 - 68 - 3

RFW's to Copy: 9503G983
9503G001

Analyst Signature: Brian L. Hamerick Douglas Lucas Date: 4/4/95

Reviewer Signature: Jodi L Wojcik Date: 4/4/95

P10403D Brian J. Harnerde / Douglas L Lucas

Method: 95GI568 Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	.00532	.00019	.00008	-.00014	.00106	.00010	.00922
SDev	.00041	.00026	.00003	.00000	.00013	.00013	.00021
%RSD	7.6710	132.26	34.711	.17010	11.949	132.44	2.2635
#1	.00490	-.00010	.00010	-.00014	.00096	.00019	.00903
#2	.00535	.00039	.00010	-.00014	.00101	-.00005	.00944

#3	.00571	.00029	.00005	-.00014	.00120	.00014	.00917
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00154	-.00016	.00032	.00083	.00059	.00037	.00038
SDev	.00112	.00014	.00003	.00015	.00007	.00031	.00000
%RSD	72.988	86.603	8.7300	17.746	12.358	84.024	.17010
#1	.00062	-.00024	.00029	.00067	.00067	.00024	.00038
#2	.00279	-.00024	.00034	.00096	.00058	.00072	.00039
#3	.00120	.00000	.00034	.00086	.00053	.00014	.00038
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.00016	.00162	.00215	.00215	.00671	.00002	-.02123
SDev	.00007	.00012	.00035	.00025	.00012	.00003	.00026
%RSD	45.770	7.6058	16.377	11.504	1.7321	173.21	1.2310
#1	.00024	.00149	.00192	.00187	.00658	.00000	-.02147
#2	.00014	.00173	.00255	.00222	.00679	.00000	-.02095
#3	.00010	.00163	.00197	.00235	.00677	.00005	-.02127
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Avge	.00074	.00026	.00051	.00022	-.00002	-.00018	
SDev	.00007	.00044	.00006	.00012	.00014	.00103	
%RSD	9.8471	173.21	10.750	53.881	860.81	586.11	
#1	.00082	.00000	.00058	.00010	-.00010	.00086	
#2	.00067	.00077	.00048	.00024	-.00010	-.00019	
#3	.00072	.00000	.00048	.00034	.00014	-.00120	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20800	--	--	--	--	--	--
SDev	35.34591	--	--	--	--	--	--
%RSD	.1699350	--	--	--	--	--	--
#1	20817	--	--	--	--	--	--
#2	20759	--	--	--	--	--	--
#3	20823	--	--	--	--	--	--

Method: 95GI568 Standard: S

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	4.0675	.17161	3.1393	.73475	1.2727	.67510	7.2549
SDev	.0064	.00199	.0018	.00125	.0025	.00222	.0151
%RSD	.15657	1.1608	.05804	.17007	.19569	.32914	.20840
#1	4.0738	.17000	3.1373	.73614	1.2756	.67766	7.2722
#2	4.0611	.17098	3.1396	.73372	1.2715	.67394	7.2443
#3	4.0676	.17384	3.1409	.73438	1.2711	.67369	7.2481
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	2.5376	1.6600	.42638	4.9002	.31660	1.9474	1.6420
SDev	.0063	.0026	.00046	.0056	.00124	.0040	.0012
%RSD	.24880	.15949	.10690	.11448	.39177	.20368	.07467

#1	2.5439	1.6629	.42670	4.9064	.31768	1.9516	1.6433
#2	2.5312	1.6595	.42586	4.8956	.31525	1.9437	1.6408
#3	2.5377	1.6577	.42659	4.8985	.31688	1.9469	1.6419
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Avge	.39234	1.2023	.57784	.45101	5.3907	1.3189	.21325
SDev	.00129	.0019	.00293	.00070	.0203	.0007	.00024
%RSD	.32978	.15682	.50729	.15607	.37584	.05074	.11495
#1	.39118	1.2044	.58100	.45157	5.4135	1.3187	.21298
#2	.39210	1.2008	.57522	.45022	5.3745	1.3183	.21330
#3	.39373	1.2017	.57729	.45124	5.3842	1.3196	.21346
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Avge	.08397	2.0762	.88597	1.6414	.44457	.49638	
SDev	.00093	.0039	.00101	.0017	.00070	.00131	
%RSD	1.1132	.18974	.11422	.10210	.15770	.26455	
#1	.08346	2.0806	.88696	1.6432	.44520	.49519	
#2	.08341	2.0730	.88494	1.6399	.44381	.49616	
#3	.08505	2.0749	.88602	1.6412	.44471	.49779	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20396	--	--	--	--	--	--
SDev	40.27820	--	--	--	--	--	--
%RSD	.1974841	--	--	--	--	--	--
#1	20382	--	--	--	--	--	--
#2	20441	--	--	--	--	--	--
#3	20364	--	--	--	--	--	--

Method: 95GI568 Sample Name: ICV Operator: BH
Run Time: 04/03/95 15:03:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	39.152	.82660	7.9788	1.9872	3.9954	1.9970	40.234
SDev	.090	.00717	.0112	.0050	.0031	.0029	.087
%RSD	.22873	.86740	.14021	.25160	.07849	.14473	.21736
#1	39.168	.82005	7.9801	1.9929	3.9919	1.9941	40.193
#2	39.056	.83426	7.9671	1.9849	3.9962	1.9970	40.175
#3	39.233	.82550	7.9893	1.9837	3.9980	1.9998	40.335
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	40.000	.80000	8.0000	2.0000	4.0000	2.0000	40.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576

Avge	4.0657	4.0806	3.9897	20.040	4.0141	39.751	3.9781
SDev	.0032	.0052	.0059	.034	.0191	.138	.0068
%RSD	.07898	.12819	.14894	.16767	.47700	.34598	.17119
#1	4.0691	4.0853	3.9947	20.023	4.0091	39.804	3.9740
#2	4.0627	4.0750	3.9832	20.018	3.9980	39.595	3.9743
#3	4.0653	4.0816	3.9913	20.079	4.0353	39.855	3.9859
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	20.000	4.0000	40.000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0506	4.0708	38.983	.78883	38.461	3.9896	7.9317
SDev	.0161	.0122	.099	.00033	.073	.0043	.0831
%RSD	.39693	.30000	.25337	.04196	.19021	.10896	1.0476
#1	4.0329	4.0846	38.875	.78908	38.489	3.9896	7.8369
#2	4.0547	4.0614	39.007	.78845	38.378	3.9853	7.9663
#3	4.0643	4.0663	39.068	.78896	38.516	3.9940	7.9920
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	40.000	.80000	40.000	4.0000	8.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	4.2935	4.0354	4.0030	3.9971	4.0519	4.0244	
SDev	.0334	.0098	.0127	.0053	.0080	.0538	
%RSD	.77760	.24296	.31659	.13309	.19767	1.3357	
#1	4.2585	4.0319	3.9891	3.9943	4.0428	4.0372	
#2	4.3251	4.0278	4.0137	3.9937	4.0579	4.0706	
#3	4.2968	4.0465	4.0064	4.0032	4.0551	3.9654	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21436	--	--	--	--	--	--
SDev	111.6124	--	--	--	--	--	--
%RSD	.5206856	--	--	--	--	--	--
#1	21399	--	--	--	--	--	--
#2	21561	--	--	--	--	--	--
#3	21347	--	--	--	--	--	--

Method: 95GI568 Sample Name: ICB Operator: BH
Run Time: 04/03/95 15:06:17

Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00487	.00003	.00156	.00076	.00474	.00091	-.00969
SDev	.01172	.01005	.00065	.00019	.00103	.00081	.00183
%RSD	240.82	30199.	41.757	25.203	21.697	89.363	18.904
#1	-.00074	-.01002	.00230	.00098	.00402	.00178	-.00818
#2	-.00300	.00005	.00135	.00065	.00429	.00017	-.00917
#3	.01833	.01007	.00105	.00065	.00592	.00078	-.01173
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00047	.00156	-.00141	-.00252	-.00227	.01034	.00103
SDev	.00204	.00059	.00131	.00150	.00736	.00955	.00046
%RSD	434.22	37.919	92.537	59.568	324.09	92.311	44.814
#1	-.00064	.00156	-.00293	-.00101	-.00482	.00625	.00154
#2	-.00242	.00097	-.00068	-.00255	-.00802	.00352	.00091
#3	.00165	.00215	-.00064	-.00401	.00603	.02125	.00064
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00423	-.00188	-.09028	.00094	-.08333	.00124	-.08135
SDev	.00194	.00236	.03913	.00130	.00113	.00021	.02857
%RSD	45.808	125.44	43.344	138.13	1.3512	17.051	35.124
#1	.00592	-.00119	-.09228	.00241	-.08381	.00099	-.04849
#2	.00211	-.00450	-.12838	-.00004	-.08414	.00135	-.09528
#3	.00465	.00006	-.05019	.00045	-.08205	.00136	-.10029
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01487	.00330	-.00119	.00121	-.00200	.00949
SDev	.01225	.00056	.00116	.00033	.00882	.00807
%RSD	82.354	16.875	97.705	27.412	440.40	85.062
#1	.02870	.00395	-.00081	.00102	.00623	.00060
#2	.01052	.00296	-.00249	.00159	-.01132	.01636
#3	.00539	.00300	-.00027	.00102	-.00093	.01150
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20480	--	--	--	--	--	--
SDev	92.08148	--	--	--	--	--	--
%RSD	.4496166	--	--	--	--	--	--
#1	20413	--	--	--	--	--	--
#2	20585	--	--	--	--	--	--
#3	20442	--	--	--	--	--	--

Method: 95GI568 Sample Name: CRI Operator: BH
Run Time: 04/03/95 15:09:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.38565	.12640	.40334	.01028	.20477	.01188	1.9959
SDev	.00541	.00682	.00097	.00015	.00178	.00080	.0058
%RSD	1.4028	5.3962	.24102	1.4424	.87083	6.7214	.28889
#1	.39175	.12982	.40375	.01045	.20318	.01174	2.0004
#2	.38378	.11854	.40404	.01020	.20670	Q.01273	1.9978
#3	.38143	.13083	.40223	.01020	.20443	.01115	1.9894
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.01521	.10260	.04879	.19586	.09235	2.0236	.02987
SDev	.00124	.00196	.00057	.00155	.00769	.0203	.00003
%RSD	8.1571	1.9134	1.1788	.79184	8.3266	1.0011	.09651
#1	Q.01574	.10470	.04888	.19696	.09281	2.0042	.02991
#2	Q.01379	.10081	.04818	.19654	.09979	2.0220	.02985
#3	.01610	.10229	.04932	.19409	.08444	2.0446	.02986
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20851	.08092	1.8202	.01760	1.9150	.20356	.32514
SDev	.00321	.00137	.0258	.00140	.0126	.00026	.07213
%RSD	1.5406	1.6975	1.4175	7.9744	.65652	.12924	22.186
#1	.20948	.08251	1.8146	.01782	1.9011	.20326	.40562
#2	.20493	.08014	1.7976	.01610	1.9255	.20370	Q.26632
#3	1113	.08012	1.8483	.01888	1.9185	.20372	).30347

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.20237	.10168	.03868	.20318	.19320	.18468	
SDev	.00126	.00197	.00121	.00025	.00867	.01646	
%RSD	.62045	1.9399	3.1387	.12084	4.4875	8.9131	
#1	.20092	.10240	.03808	.20341	.18984	.16717	
#2	.20310	.09945	.04008	.20320	.20304	.18706	
#3	.20310	.10320	.03788	.20292	.18671	.19983	

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20698	--	--	--	--	--	--
SDev	91.22682	--	--	--	--	--	--
%RSD	.4407590	--	--	--	--	--	--
#1	20803	--	--	--	--	--	--
#2	20646	--	--	--	--	--	--
#3	20644	--	--	--	--	--	--

Method: 95GI568 Sample Name: ISA Operator: BH
Run Time: 04/03/95 15:12:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	520.20	.00480	.00092	.00028	.00453	.00157	506.92
SDev	1.26	.01143	.00051	.00000	.00333	.00607	2.25
%RSD	.24234	238.38	55.256	.69586	73.664	386.00	.44444
#1	520.94	-.00075	.00048	.00028	.00071	.00366	504.43
#2	520.92	.01794	.00147	.00028	.00687	-.00526	508.82
#3	518.75	-.00280	.00080	.00028	.00599	.00632	507.50

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00297	-.00009	.00421	192.46	-.01326	526.04	-.00338
SDev	.00329	.00181	.00070	.48	.02176	.84	.00068
%RSD	111.03	1928.8	16.681	.24683	164.10	.15929	20.030

#2	-.00242	-.00218	.00465	192.95	-.00109	526.74	-.00336
#3	.00002	.00095	.00458	192.43	-.00031	525.11	-.00271
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01244	-.01442	-.25048	-.01188	-.09372	.00693	.04739
SDev	.00276	.00253	.05249	.00136	.01456	.00002	.03349
%RSD	22.164	17.560	20.956	11.445	15.539	.28970	70.659
#1	-.00936	-.01730	-.31028	-.01084	-.09690	.00693	.01348
#2	-.01467	-.01255	-.22911	-.01342	-.10643	.00695	.04826
#3	-.01330	-.01340	-.21204	-.01139	-.07783	.00691	.08043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.08295	.00173	-.01973	.01333	.13646	.13442	
SDev	.00380	.00064	.00268	.00010	.01596	.05944	
%RSD	4.5788	37.131	13.571	.75537	11.692	44.220	
#1	.07863	.00124	-.01715	.01322	.11836	.20305	
#2	.08578	.00149	-.01953	.01340	.14255	.10034	
#3	.08443	.00246	-.02249	.01339	.14848	.09986	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19358	--	--	--	--	--	--
SDev	55.50075	--	--	--	--	--	--
%RSD	.2867021	--	--	--	--	--	--
#1	19358	--	--	--	--	--	--
#2	19303	--	--	--	--	--	--
#3	19414	--	--	--	--	--	--

Method: 95GI568 Sample Name: ISB Operator: BH
Run Time: 04/03/95 15:14:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.81	.00004	.50314	.48836	.00566	.99177	507.56
SDev	1.89	.01151	.00234	.00396	.00207	.00456	1.53

%RSD	.36600	26960.	.46481	.81098	36.561	.45931	.30085
#1	517.37	.00195	.50512	.49284	.00687	.99429	506.67
#2	513.71	-.01230	.50056	.48695	.00327	.99450	509.33
#3	516.34	.01048	.50375	.48531	.00684	.98651	506.69
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48115	.48721	.51865	191.81	.97339	521.96	.47710
SDev	.00371	.00100	.00298	.04	.01166	.76	.00058
%RSD	.77040	.20453	.57399	.02046	1.1981	.14572	.12220
#1	.47958	.48783	.52022	191.85	.96052	522.82	.47677
#2	.48539	.48606	.51521	191.78	.97639	521.39	.47778
#3	.47850	.48774	.52051	191.80	.98325	521.67	.47677
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01050	.94874	-.21239	1.0092	-.10718	.00694	.18200
SDev	.00460	.00380	.02412	.0012	.01314	.00042	.04466
%RSD	43.777	.40018	11.354	.11743	12.261	6.0362	24.540
#1	-.01531	.95039	-.19475	1.0101	-.11613	.00668	.13064
#2	-.00615	.95143	-.20255	1.0096	-.09210	.00672	.20357
#3	-.01004	.94440	-.23987	1.0079	-.11333	.00742	.21178
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.08058	.50211	.98144	.01402	5.5203	5.3121	
SDev	.01307	.00147	.01028	.00018	.0267	.0318	
%RSD	16.217	.29232	1.0472	1.3103	.48434	.59790	
#1	.06550	.50051	.96976	.01388	5.5508	5.2761	
#2	.08762	.50339	.98909	.01395	5.5092	5.3361	
#3	.08863	.50243	.98546	.01423	5.5008	5.3242	
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	
Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Avge	19463	--	--	--	--	--	--
SDev	104.0064	--	--	--	--	--	--
%RSD	.5343710	--	--	--	--	--	--
#1	19480	--	--	--	--	--	--
#2	19352	--	--	--	--	--	--
#3	19558	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCV Operator: BH
Run Time: 04/03/95 15:17:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	49.808	1.0537	9.9513	2.4281	5.0127	2.4660	49.862
SDev	.052	.0078	.0099	.0016	.0129	.0020	.140
%RSD	.10472	.73735	.09977	.06535	.25709	.08125	.28082
#1	49.864	1.0470	9.9621	2.4263	5.0087	2.4645	49.721
#2	49.761	1.0517	9.9425	2.4287	5.0023	2.4652	49.865
#3	49.798	1.0622	9.9495	2.4292	5.0271	2.4683	50.001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.9763	5.0779	5.0067	25.155	5.0425	50.222	4.9619
SDev	.0162	.0163	.0018	.039	.0151	.106	.0104
%RSD	.32543	.32034	.03556	.15592	.29983	.21048	.20883
#1	4.9735	5.0609	5.0079	25.120	5.0356	50.114	4.9528
#2	4.9617	5.0794	5.0046	25.146	5.0320	50.226	4.9598
#3	4.9937	5.0934	5.0075	25.197	5.0598	50.325	4.9732
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1357	5.0210	49.043	.99518	48.553	5.0021	9.9832
SDev	.0146	.0096	.055	.00289	.102	.0028	.0571
%RSD	.28334	.19208	.11135	.29014	.21090	.05696	.57181
#1	5.1189	5.0106	49.047	.99790	48.669	5.0046	10.041
#2	5.1439	5.0231	49.095	.99215	48.519	4.9990	9.9264
#3	5.1443	5.0295	48.986	.99549	48.473	5.0025	9.9827
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	1899	V-2924	Zn2138	Ti3349	As1936	Se1960

Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	Q5.8126	5.0643	5.0789	5.0094	5.4540	5.2731	
SDev	.0978	.0082	.0066	.0047	.0147	.0573	
%RSD	1.6829	.16112	.13035	.09435	.26978	1.0864	
#1	Q5.7445	5.0573	5.0863	5.0050	5.4548	5.2932	
#2	Q5.7686	5.0624	5.0735	5.0089	5.4389	5.2085	
#3	Q5.9247	5.0733	5.0768	5.0144	5.4683	5.3177	
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20755	--	--	--	--	--	--
SDev	40.27820	--	--	--	--	--	--
%RSD	.1940682	--	--	--	--	--	--
#1	20801	--	--	--	--	--	--
#2	20735	--	--	--	--	--	--
#3	20728	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCB Operator: BH
Run Time: 04/03/95 15:20:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00743	.00577	.00136	.00076	.00707	.00025	-.00932
SDev	.01707	.00488	.00113	.00019	.00077	.00230	.00840
%RSD	229.77	84.630	83.028	25.362	10.935	923.58	90.212
#1	.02713	.01136	.00261	.00065	.00789	.00174	.00007
#2	-.00186	.00240	.00104	.00065	.00697	-.00240	-.01189
#3	-.00299	.00354	.00043	.00098	.00635	.00141	-.01614
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00111	.00048	-.00064	.00097	.00033	.00622	.00103
SDev	.00320	.00045	.00004	.00327	.00636	.01338	.00033
%RSD	288.99	94.174	6.2211	336.41	1936.9	215.24	32.403
#1	-.00412	.00037	-.00062	.00401	-.00328	.00123	.00124
#2	-.00147	.00009	-.00069	.00140	-.00341	-.00396	.00121
#3	.00226	.00097	-.00061	-.00249	.00767	.02138	.00065

Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00340	.00055	-.10160	-.00071	-.08782	.00111	-.04194
SDev	.00128	.00367	.06565	.00107	.00284	.00042	.04745
%RSD	37.678	662.80	64.621	151.60	3.2341	38.159	113.13
#1	.00343	.00460	-.15162	-.00039	-.09014	.00137	-.09660
#2	.00211	-.00255	-.02725	.00017	-.08867	.00135	-.01138
#3	.00468	-.00038	-.12592	-.00190	-.08465	.00062	-.01785
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01306	.00220	-.00230	.00082	.01010	.02334
SDev	.00369	.00297	.00141	.00047	.00483	.01396
%RSD	28.285	134.80	61.236	56.782	47.760	59.803
#1	.01143	.00370	-.00250	.00132	.00846	.02840
#2	.01046	.00412	-.00361	.00041	.01553	.03405
#3	.01728	-.00122	-.00081	.00072	.00631	.00756
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20455	--	--	--	--	--	--
SDev	119.6620	--	--	--	--	--	--
%RSD	.5850013	--	--	--	--	--	--
#1	20392	--	--	--	--	--	--
#2	20593	--	--	--	--	--	--
#3	20380	--	--	--	--	--	--

Method: 95GI568 Sample Name: 95GI568-MB1 Operator: BH
Run Time: 04/03/95 15:23:37
Comment:
Mode: CONC Corr. Factor: 1

(CLP)

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00474	.00510	.00000	-.00001	.00640	.00041	.13943
SDev	.00109	.00668	.00018	.00001	.00042	.00190	.00254
%RSD	23.082	130.99	5461.5	137.60	6.6240	459.83	1.8212
#1	-.00449	-.00236	.00010	.00000	.00605	-.00055	.13799
#2	00380	.01054	-.00020	-.00000	.00687	-.0008*	.13793
#3	00594	.00712	.00011	-.00001	.00628	.00260	.14236

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00023	-.00281	5.9304	-.00267	33.370	.11309	.04360
SDev	.00136	.00139	.0437	.00135	.067	.00017	.03206
%RSD	599.03	49.507	.73738	50.369	.19977	.15424	73.528
#1	-.00057	-.00127	5.9667	-.00154	33.442	.11290	.00767
#2	-.00055	-.00317	5.9427	-.00232	33.310	.11312	.05384
#3	.00180	-.00398	5.8818	-.00416	33.357	.11324	.06929

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.02916	-.00013	.16585	.00022	-.01478	.00587	
SDev	.03223	.00192	.00096	.00000	.00279	.01479	
%RSD	110.55	1449.6	.58098	.55381	18.863	251.85	
#1	.00524	-.00124	.16486	.00022	-.01510	.00923	
#2	.06582	.00208	.16678	.00022	-.01740	.01869	
#3	.01642	-.00124	.16591	.00022	-.01185	-.01031	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21696	--	--	--	--	--	--
SDev	55.36545	--	--	--	--	--	--
%RSD	.2551835	--	--	--	--	--	--
#1	21755	--	--	--	--	--	--
#2	21645	--	--	--	--	--	--
#3	21689	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCV Operator: BH
Run Time: 04/03/95 15:52:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	49.731	1.0653	9.9401	2.3807	4.9705	2.4497	49.158

#1	49.812	1.0775	9.9470	2.3850	4.9769	2.4502	49.152
#2	49.683	1.0738	9.9314	2.3797	4.9723	2.4545	49.237
#3	49.697	1.0448	9.9418	2.3774	4.9623	2.4444	49.085
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.9740	5.0253	5.0077	24.894	5.0340	49.916	4.9167
SDev	.0080	.0065	.0076	.027	.0240	.005	.0067
%RSD	.16000	.12946	.15221	.11031	.47760	.00942	.13709
#1	4.9723	5.0328	5.0163	24.908	5.0215	49.917	4.9224
#2	4.9826	5.0222	5.0019	24.911	5.0617	49.911	4.9186
#3	4.9670	5.0209	5.0049	24.862	5.0188	49.920	4.9093
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2287	4.9804	49.104	.99162	48.613	4.9950	9.8156
SDev	.0059	.0038	.073	.00249	.096	.0056	.0252
%RSD	.11347	.07567	.14848	.25073	.19685	.11202	.25638
#1	5.2276	4.9833	49.188	.99052	48.721	4.9993	9.8261
#2	5.2351	4.9817	49.060	.99447	48.539	4.9887	9.8339
#3	5.2234	4.9761	49.065	.98987	48.579	4.9972	9.7869
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	Q6.7506	5.0321	5.1259	4.9492	Q5.8953	5.4682	
SDev	.0187	.0047	.0111	.0063	.0367	.0454	
%RSD	.27647	.09440	.21747	.12753	.62320	.83058	
	N/R				N/R		
#1	Q6.7610	5.0328	5.1387	4.9562	Q5.9149	Q5.5172	
#2	Q6.7617	5.0365	5.1184	4.9477	Q5.8529	5.4275	
#3	Q6.7290	5.0271	5.1204	4.9438	Q5.9181	5.4598	
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	.9716	--	--	--	--	--	--
SDev	..91503	--	--	--	--	--	--

%RSD	.2554307	--	--	--	--	--	--
#1	20696	--	--	--	--	--	--
#2	20676	--	--	--	--	--	--
#3	20776	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCB 2 Operator: BH
Run Time: 04/03/95 15:55:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01043	.00705	.00117	.00109	.00332	.00144	-.02330
SDev	.00542	.00965	.00020	.00019	.00035	.00094	.00582
%RSD	51.898	136.86	16.796	17.597	10.499	64.792	24.975
#1	-.01669	-.00235	.00105	.00132	.00322	.00147	-.02738
#2	-.00723	.01693	.00139	.00098	.00303	.00050	-.01664
#3	-.00738	.00657	.00106	.00098	.00370	.00237	-.02590
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00061	.00147	-.00135	-.00397	-.01259	-.00463	.00056
SDev	.00053	.00165	.00138	.00134	.01120	.01480	.00015
%RSD	87.075	112.44	102.09	33.795	88.944	319.40	26.976
#1	-.00008	.00156	-.00294	-.00351	-.00018	.00116	.00063
#2	-.00115	.00307	-.00052	-.00292	-.01565	-.02145	.00039
#3	-.00060	-.00023	-.00059	-.00548	-.02195	.00639	.00066
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00472	.00032	-.09632	-.00157	-.09064	.00113	-.10497
SDev	.00217	.00232	.01610	.00106	.01196	.00043	.05197
%RSD	46.090	732.40	16.711	67.540	13.196	38.460	49.506
#1	.00340	-.00236	-.09295	-.00279	-.08299	.00136	-.14442
#2	.00353	.00155	-.11383	-.00091	-.10443	.00139	-.12441
#3	.00723	.00176	-.08217	-.00100	-.08450	.00063	-.04609
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

SDev	.00083	.00220	.00133	.00033	.01155	.02837	
%RSD	13.531	4692.8	77.639	39.687	264.64	4032.8	
#1	.00532	-.00123	-.00248	.00101	.00166	-.03105	
#2	.00697	.00259	-.00018	.00045	-.00559	.00962	
#3	.00604	-.00122	-.00247	.00103	.01703	.02354	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20288	--	--	--	--	--	--
SDev	181.3680	--	--	--	--	--	--
%RSD	.8939813	--	--	--	--	--	--
#1	20462	--	--	--	--	--	--
#2	20100	--	--	--	--	--	--
#3	20301	--	--	--	--	--	--

Method: 95GI568 Sample Name: 9503G983-010 Operator: BH
Run Time: 04/03/95 15:58:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.12812	.00397	.08146	.00034	.02755	.00043	27.324
SDev	.00631	.00808	.00012	.00001	.00176	.00149	.140
%RSD	4.9255	203.71	.14233	1.5365	6.3800	344.33	.51415
#1	.12392	-.00461	.08133	.00034	.02563	.00215	27.162
#2	.13538	.01143	.08150	.00034	.02907	-.00044	27.412
#3	.12507	.00507	.08156	.00033	.02797	-.00041	27.398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00218	.00132	-.00012	.03284	-.01289	4.4224	.01917
SDev	.00246	.00016	.00061	.00104	.00656	.0251	.00034
%RSD	112.44	12.199	495.65	3.1557	50.918	.56780	1.7803
#1	-.00494	.00150	.00018	.03167	-.02042	4.4054	.01898
#2	-.00137	.00123	.00028	.03365	-.00989	4.4512	.01897
#3	-.00024	.00123	-.00083	.03320	-.00836	4.4106	.01956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	.01000	-.05000	-.02500	-.10000	-.05000	-5.000	-.01500

Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.08739	-.00025	.22439	.00309	-.00861	.06404
SDev	.00001	.00186	.00263	.00019	.01569	.06138
%RSD	.00950	731.47	1.1702	6.1815	182.26	95.843
#1	-.08739	-.00134	.22191	.00287	-.02594	.09194
#2	-.08740	-.00132	.22714	.00320	.00464	.10651
#3	-.08738	.00189	.22411	.00319	-.00453	-.00633
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20976	--	--	--	--	--	--
SDev	200.1358	--	--	--	--	--	--
%RSD	.9541028	--	--	--	--	--	--
#1	21203	--	--	--	--	--	--
#2	20824	--	--	--	--	--	--
#3	20902	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCV 3 Operator: BH
Run Time: 04/03/95 16:27:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.119	1.0877	9.9765	2.3733	5.0096	2.4650	49.258
SDev	.164	.0043	.0328	.0097	.0190	.0198	.330
%RSD	.32696	.39253	.32897	.40761	.37941	.80373	.67008
#1	49.988	1.0915	9.9751	2.3655	4.9966	2.4692	49.245
#2	50.303	1.0885	10.010	2.3841	5.0314	2.4434	48.935
#3	50.067	1.0831	9.9443	2.3704	5.0007	2.4823	49.595
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.9924	5.0320	5.0291	24.952	5.0372	50.272	4.9306
SDev	.0201	.0184	.0270	.060	.0320	.074	.0176
%RSD	.40290	.36629	.53669	.23910	.63509	.14775	.35642
#1	4.9856	5.0302	5.0179	24.958	5.0181	50.241	4.9270
#2	4.9765	5.0145	5.0599	24.889	5.0193	50.357	4.9151
#3	5.0150	5.0512	5.0096	25.008	5.0741	50.219	4.9497

Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3025	4.9841	49.622	1.0007	48.999	5.0141	9.8635
SDev	.0260	.0204	.074	.0048	.315	.0106	.0522
%RSD	.49101	.40936	.14993	.47581	.64239	.21180	.52879
#1	5.2999	4.9918	49.537	.99715	48.831	5.0121	9.8230
#2	5.2779	4.9609	49.661	.99890	49.362	5.0255	9.8451
#3	5.3298	4.9995	49.669	1.0061	48.804	5.0046	9.9224
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q7.2051	5.0496	5.1950	4.9592	Q6.0623	Q5.5798
SDev	.0711	.0085	.0279	.0047	.0159	.0877
%RSD	.98650	.16855	.53632	.09444	.26290	1.5714
#1	Q7.2260	5.0422	5.2094	4.9537	Q6.0628	Q5.5205
#2	Q7.1259	5.0477	5.1629	4.9617	Q6.0779	Q5.6805
#3	Q7.2634	5.0589	5.2127	4.9620	Q6.0461	Q5.5384
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20406	--	--	--	--	--	--
SDev	203.2371	--	--	--	--	--	--
%RSD	.9959513	--	--	--	--	--	--
#1	20395	--	--	--	--	--	--
#2	20615	--	--	--	--	--	--
#3	20209	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCB

Run Time: 04/03/95 16:29:56 Operator: BH

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00759	.00748	.00162	.00121	.00207	.00155	-.00957
SDev	.00413	.00489	.00049	.00040	.00302	.00096	.00625
%RSD	54.387	65.298	30.162	32.642	146.12	61.735	65.317
#1	-.00605	.00795	.00205	.00167	.00473	.00060	-.00236
#2	-.00445	.01212	.00172	.00098	.00268	.00153	-.01281
#3	1226	.00238	.00109	.00098	-.00121	.00252	-.01354

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00265	.00268	.00032	-.00219	.00936	.02571	.00092
SDev	.00356	.00150	.00180	.00120	.01840	.00839	.00047
%RSD	134.67	55.754	563.72	54.636	196.54	32.639	51.054
#1	.00168	.00370	.00191	-.00081	.02748	.03526	.00133
#2	-.00033	.00097	.00068	-.00290	-.00930	.01954	.00100
#3	.00660	.00339	-.00163	-.00286	.00991	.02231	.00041

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00614	-.00004	-.07984	-.00018	-.07633	.00089	-.08498
SDev	.00221	.00327	.03153	.00177	.00661	.00044	.09725
%RSD	35.975	9127.3	39.487	968.59	8.6579	49.474	114.44
#1	.00746	.00345	-.05011	-.00083	-.06875	.00140	-.19136
#2	.00738	-.00052	-.11290	-.00155	-.07932	.00064	-.06295
#3	.00359	-.00304	-.07652	.00182	-.08091	.00064	-.00063

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03146	-.00025	-.00127	.00148	.00928	.00695	
SDev	.04129	.00097	.00114	.00018	.00777	.00911	
%RSD	131.22	388.62	90.454	12.349	83.691	131.09	
#1	.00794	-.00025	-.00013	.00169	.01491	-.00355	
#2	.00732	-.00122	-.00242	.00137	.00042	.01167	
#3	.07914	.00072	-.00125	.00138	.01251	.01274	

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19947	--	--	--	--	--	--
SDev	70.54786	--	--	--	--	--	--
%RSD	.3536765	--	--	--	--		

#2	20028	--	--	--	--	--	--
#3	19914	--	--	--	--	--	--

Method: 95GI568 Sample Name: 9503G001-017A 1 Operator: BH
Run Time: 04/03/95 16:32:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	43.283	.12865	.65706	.01167	.20645	.01191	15.291
SDev	.142	.00445	.00197	.00013	.00098	.00251	.081
%RSD	.32724	3.4568	.29954	1.0728	.47267	21.062	.53182
#1	43.329	.13370	.65481	.01169	.20568	.01126	15.384
#2	43.396	.12691	.65793	.01153	.20613	.00979	15.257
#3	43.124	.12533	.65845	.01178	.20755	.01468	15.233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.09889	.11220	.08986	57.531	.19298	10.703	.91191
SDev	.00210	.00136	.00105	.185	.02007	.060	.00336
%RSD	2.1254	1.2094	1.1635	.32167	10.401	.56284	.36848
#1	.09896	.11376	.08873	57.736	.21475	10.735	.91577
#2	.10095	.11127	.09080	57.481	.17521	10.740	.90962
#3	.09675	.11158	.09004	57.377	.18897	10.633	.91034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20630	.13518	5.5560	.01730	2.0391	.26146	.31210
SDev	.00167	.00062	.0177	.00110	.0210	.00065	.07932
%RSD	.81141	.46159	.31911	6.3499	1.0321	.24898	25.415
#1	.20635	.13510	5.5454	.01828	2.0269	.26079	.23513
#2	.20461	.13460	5.5462	.01611	2.0634	.26152	.30758
#3	.20795	.13584	5.5765	.01750	2.0269	.26209	.39358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.34266	.21210	.34866	.34209	.28389	.23145
SDev	.03091	.00147	.00238	.00022	.00808	.00976
%RSD	9.0213	.69305	.68186	.06413	2.8465	4.2160

#1	.30736	.21375	.35063	.34226	.29237	.22560	
#2	.36489	.21163	.34933	.34184	.27628	.22604	
#3	.35573	.21092	.34602	.34217	.28302	.24272	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20498	--	--	--	--	--	--
SDev	227.7594	--	--	--	--	--	--
%RSD	1.111148	--	--	--	--	--	--
#1	20251	--	--	--	--	--	--
#2	20542	--	--	--	--	--	--
#3	20700	--	--	--	--	--	--

Method: 95GI568 Sample Name: CRI Operator: BH
Run Time: 04/03/95 16:35:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.37844	.13774	.40348	.01057	.20114	.01038	1.9733
SDev	.00540	.00764	.00050	.00033	.00217	.00049	.0069
%RSD	1.4267	5.5472	.12287	3.0813	1.0805	4.7664	.34890
#1	.38380	Q.14569	.40404	.01076	.20286	.01094	1.9812
#2	.37853	.13045	.40327	.01075	.20186	.01001	1.9689
#3	.37300	.13706	.40312	.01019	.19870	.01018	1.9698
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01850	.10298	.05083	.20730	.10216	1.9999	.02965
SDev	.00198	.00025	.00120	.00616	.01617	.0098	.00046
%RSD	10.705	.24495	2.3710	2.9720	15.831	.48797	1.5638
#1	.01629	.10281	.05217	.21328	.08807	1.9888	.03015
#2	.01908	.10327	.04986	.20764	.09861	2.0037	.02924
#3	.02012	.10287	.05045	.20098	.11982	2.0072	.02957
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	[illegible]	[illegible]	[illegible]

SDev	.00296	.00053	.0099	.00036	.0155	.00028	.05039
%RSD	1.3913	.67762	.54256	1.8588	.81243	.13569	11.757
#1	.21283	.07950	1.8279	.01968	1.9176	.20367	.47356
#2	.21013	.07902	1.8337	.01923	1.9045	.20417	.43815
#3	.21605	.07844	1.8144	.01995	1.8868	.20370	.37414
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	Q.36242	.10253	.04196	.20012	Q.24370	.21237	
SDev	.00882	.00059	.00319	.00081	.01379	.05050	
%RSD	2.4326	.57695	7.6138	.40352	5.6607	23.779	
#1	Q.37072	.10225	.04565	.20105	Q.24984	Q.26703	
#2	Q.35316	.10213	.04015	.19965	Q.25742	.20265	
#3	Q.36339	.10321	.04008	.19966	.22983	.16744	
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	
Value	.20000	.10000	.04000	.20000	.20000	.20000	
Range	20.000	20.000	20.000	20.000	20.000	20.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20780	--	--	--	--	--	--
SDev	116.6662	--	--	--	--	--	--
%RSD	.5614350	--	--	--	--	--	--
#1	20835	--	--	--	--	--	--
#2	20859	--	--	--	--	--	--
#3	20646	--	--	--	--	--	--

Method: 95GI568 Sample Name: ISA Operator: BH
Run Time: 04/03/95 16:38:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	520.53	-.02268	.00171	.00098	.00330	-.00436	505.38
SDev	1.34	.00936	.00051	.00000	.00208	.00328	.77
%RSD	.25790	41.251	29.638	.01208	63.111	75.162	.15309
#1	519.30	-.02080	.00181	.00098	.00559	-.00100	504.50
#2	520.33	-.01441	.00216	.00098	.00152	-.00755	505.91
#3	521.97	-.03284	.00116	.00098	.00278	-.00453	505.75
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00114	.00000	.00556	191.84	-.00233	522.99	-.00639
SDev	.00381	.00251	.00146	.39	.02530	.86	.00039
%RSD	333.40	82482.	26.287	.20213	1085.3	.16359	6.0665
#1	.00484	.00095	.00467	191.41	.02655	522.19	-.00594
#2	-.00277	.00190	.00477	191.93	-.02062	522.89	-.00660
#3	.00135	-.00284	.00725	192.17	-.01292	523.89	-.00663
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01611	-.01103	-.20684	-.00941	-.07846	.00701	.03291
SDev	.00466	.00355	.02596	.00074	.00477	.00003	.04269
%RSD	28.908	32.192	12.553	7.9010	6.0779	.47288	129.73
#1	-.01073	-.00748	-.19265	-.00860	-.08227	.00697	.00362
#2	-.01878	-.01103	-.23681	-.00956	-.08000	.00702	.01321
#3	-.01881	-.01458	-.19106	-.01006	-.07311	.00704	.08188
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18787	.00226	-.01948	.01210	.42169	.07500
SDev	.00781	.00051	.00381	.00067	.01960	.03325
%RSD	4.1552	22.672	19.568	5.5675	4.6466	44.341
#1	.17965	.00283	-.01799	.01285	.44396	.10626
#2	.18878	.00184	-.01663	.01190	.40707	.07868
#3	.19518	.00211	-.02381	.01155	.41405	.04005
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19152	--	--	--	--	--	--
SDev	89.01124	--	--	--	--	--	--
%RSD	.4647621	--	--	--	--	--	--
#1	19253	--	--	--	--	--	--
#2	19118	--	--	--	--	--	--
#3	19085	--	--	--	--	--	--

Method: 95GI568 Sample Name: ISB Operator: BH
Run Time: 04/03/95 16:41:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	521.20	.01913	.50561	.47778	.00507	.98807	504.29
SDev	3.09	.01291	.00213	.00348	.00069	.00346	2.07
%RSD	.59284	67.505	.42111	.72792	13.712	.35053	.40997
#1	522.12	.00486	.50558	.47481	.00498	.99014	506.47
#2	517.75	.03001	.50350	.47693	.00442	.98407	502.36
#3	523.73	.02252	.50776	.48161	.00580	.98999	504.03
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48574	.48581	.52329	191.63	1.0023	522.81	.47539
SDev	.00326	.00286	.00365	.92	.0262	2.93	.00185
%RSD	.67123	.58810	.69725	.47844	2.6094	.56044	.38891
#1	.48646	.48909	.52166	192.22	1.0290	524.22	.47638
#2	.48857	.48447	.52075	190.57	1.0011	519.44	.47326
#3	.48217	.48386	.52747	192.09	.97670	524.77	.47654
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01548	.94560	-.19236	1.0154	-.09215	.00704	.07089
SDev	.00142	.00236	.04029	.0089	.01008	.00038	.01989
%RSD	9.1793	.24948	20.947	.87798	10.937	5.4720	28.061
#1	-.01688	.94404	-.18183	1.0205	-.08380	.00683	.09013
#2	-.01404	.94444	-.15838	1.0051	-.08931	.00748	.07215
#3	-.01551	.94831	-.23688	1.0206	-.10334	.00680	.05040
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20067	.50152	1.0163	.01227	Q6.6960	5.7467
SDev	.00673	.00088	.0105	.00023	.0535	.0571
%RSD	3.3512	.17570	1.0354	1.8543	.79842	.99374
#1	.20787	.50077	1.0285	.01241	Q6.7558	5.7259
#2	.19455	.50249	1.0108	.01239	Q6.6793	5.8113
#3	.19959	.50129	1.0097	.01201	Q6.6529	5.7029
Errors	'HECK	QC Pass	QC Pass	NOCHECK	QC Fail	QC Pass

N/R

Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19205	--	--	--	--	--	--
SDev	184.5788	--	--	--	--	--	--
%RSD	.9610810	--	--	--	--	--	--
#1	19072	--	--	--	--	--	--
#2	19416	--	--	--	--	--	--
#3	19128	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCV Operator: BH
Run Time: 04/03/95 16:44:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.449	1.0936	9.9955	2.3753	5.0202	2.4813	49.197
SDev	.060	.0021	.0183	.0065	.0125	.0152	.104
%RSD	.11863	.18881	.18342	.27244	.24897	.61167	.21205
#1	50.417	1.0927	9.9750	2.3721	5.0073	2.4843	49.317
#2	50.518	1.0960	10.010	2.3827	5.0323	2.4648	49.134
#3	50.413	1.0922	10.001	2.3710	5.0211	2.4947	49.140
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.9778	5.0422	5.0510	24.975	5.0605	50.539	4.9309
SDev	.0046	.0033	.0175	.014	.0160	.060	.0030
%RSD	.09211	.06463	.34708	.05453	.31597	.11835	.05986
#1	4.9806	5.0454	5.0379	24.982	5.0746	50.478	4.9339
#2	4.9726	5.0389	5.0709	24.983	5.0431	50.597	4.9280
#3	4.9803	5.0423	5.0443	24.959	5.0638	50.541	4.9306
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3296	4.9823	49.851	1.0033	49.252	5.0244	9.8269
SDev	.0081	.0041	.123	.0019	.134	.0085	.1023
%RSD	.15202	.08232	.24616	.18944	.27283	.16981	1.0414

#3	5.3331	4.9810	49.982	1.0045	49.307	5.0255	9.8234
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	Q7.3166	5.0524	5.2249	4.9716	Q6.1529	Q5.6592	
SDev	.0547	.0081	.0164	.0043	.0366	.0392	
%RSD	.74791	.16014	.31310	.08717	.59413	.69272	
#1	Q7.3325	5.0469	5.2422	4.9685	Q6.1911	Q5.6319	
#2	Q7.3617	5.0486	5.2228	4.9765	Q6.1182	Q5.7041	
#3	Q7.2557	5.0617	5.2097	4.9698	Q6.1493	Q5.6416	
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20218	--	--	--	--	--	--
SDev	72.18726	--	--	--	--	--	--
%RSD	.3570445	--	--	--	--	--	--
#1	20212	--	--	--	--	--	--
#2	20293	--	--	--	--	--	--
#3	20149	--	--	--	--	--	--

Method: 95GI568 Sample Name: CCB 4 Operator: BH
Run Time: 04/03/95 16:47:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00066	.00090	.00138	.00087	.00037	-.00020	-.01859
SDev	.01290	.01024	.00085	.00070	.00285	.00213	.01463
%RSD	1959.0	1134.5	61.782	79.731	760.53	1088.4	78.728
#1	-.00041	-.00477	.00170	.00166	.00065	-.00265	-.01431
#2	.01406	.01272	.00204	.00064	.00308	.00114	-.00657
#3	-.01167	-.00525	.00042	.00032	-.00260	.00092	-.03488
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00297	.00178	-.00058	.00109	-.01498	.00075	.00067
SDev	00316	.00174	.00011	.00325	.01756	.02811	.00035
%RSD	.28	97.894	18.624	298.02	117.24	3753.2	51.909

#1	-.00312	.00247	-.00054	.00364	-.01094	-.00872	.00068
#2	.00026	.00308	-.00049	.00220	.00021	.03237	.00100
#3	-.00605	-.00020	-.00070	-.00257	-.03421	-.02140	.00031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00392	-.00190	-.15564	-.00068	-.09689	.00075	-.05334
SDev	.00328	.00381	.05968	.00210	.00964	.00023	.06614
%RSD	83.641	200.22	38.348	310.09	9.9449	30.136	123.99
#1	.00351	-.00353	-.19227	-.00094	-.10174	.00063	-.05368
#2	.00739	.00245	-.08677	.00154	-.08580	.00101	-.11932
#3	.00087	-.00462	-.18788	-.00263	-.10314	.00061	.01297
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.05070	-.00068	-.00114	.00074	.00667	-.01567	
SDev	.03330	.00037	.00145	.00082	.00488	.00721	
%RSD	65.681	54.301	127.27	110.36	73.261	45.996	
#1	.07699	-.00028	.00038	.00105	.00516	-.01049	
#2	.01325	-.00074	-.00129	.00137	.00271	-.01261	
#3	.06185	-.00102	-.00250	-.00019	.01213	-.02390	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20275	--	--	--	--	--	--
SDev	319.0554	--	--	--	--	--	--
%RSD	1.573613	--	--	--	--	--	--
#1	20173	--	--	--	--	--	--
#2	20020	--	--	--	--	--	--
#3	20633	--	--	--	--	--	--

Analysis Report Summary Thu 04-06-95 08:56:28 AM page 1

Brian L. Hammonds / Douglas L. Lewis

run 3

#	Sample Name		File	Method	Date	Time	OpID	Type	Mode
1	SO		P10405C	95GI580	04/05/95	15:00		X	IR
2	S		P10405C	95GI580	04/05/95	15:02		X	IR
3	ICV		P10405C	95GI580	04/05/95	15:05	BH	Q	CONC
4	ICB		P10405C	95GI580	04/05/95	15:08	BH	Q	CONC
5	CRI		P10405C	95GI580	04/05/95	15:11	BH	Q	CONC
6	ISA		P10405C	95GI580	04/05/95	15:14	BH	Q	CONC
7	ISB		P10405C	95GI580	04/05/95	15:17	BH	Q	CONC
8	CCV 1		P10405C	95GI580	04/05/95	15:20	BH	Q	CONC
9	CCB		P10405C	95GI580	04/05/95	15:23	BH	Q	CONC
10	95GI580-MB1		P10405C	95GI580	04/05/95	15:26	BH	S	CONC
11	95GI580-LC1		P10405C	95GI580	04/05/95	15:30	BH	S	CONC
* 12	~~9503G001-001~~		~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~15:33~~	~~BH~~	~~S~~	~~CONC~~
13	9503G001-001R	1	P10405C	95GI580	04/05/95	15:36	BH	S	CONC BH 4/6/95
14	9503G001-001S	1	P10405C	95GI580	04/05/95	15:39	BH	S	CONC
15	9503G001-001L	1	P10405C	95GI580	04/05/95	15:42	BH	S	CONC
16	~~9503G001-001A~~	~~1~~	~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~15:44~~	~~BH~~	~~S~~	~~CONC~~
17	9503G001-002		P10405C	95GI580	04/05/95	15:47	BH	S	CONC
18	9503G001-002R	1	P10405C	95GI580	04/05/95	15:50	BH	S	CONC
19	9503G001-002S	1	P10405C	95GI580	04/05/95	15:53	BH	S	CONC
20	CCV 2		P10405C	95GI580	04/05/95	15:56	BH	Q	CONC
21	CCB		P10405C	95GI580	04/05/95	15:59	BH	Q	CONC
22	9503G001-002L	1	P10405C	95GI580	04/05/95	16:02	BH	S	CONC
23	9503G001-002A	1	P10405C	95GI580	04/05/95	16:05	BH	S	CONC
* 24	~~9503G001-003~~		~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~16:08~~	~~BH~~	~~S~~	~~CONC~~ BH 4/6/95
25	9503G001-004		P10405C	95GI580	04/05/95	16:11	BH	S	CONC
26	9503G001-005 (No Ag) Pb		P10405C	95GI580	04/05/95	16:14	BH	S	CONC
27	9503G001-006		P10405C	95GI580	04/05/95	16:17	BH	S	CONC
* 28	~~9503G001-007~~		~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~16:20~~	~~BH~~	~~S~~	~~CONC~~ BH 4/6/95
29	9503G001-008		P10405C	95GI580	04/05/95	16:23	BH	S	CONC
30	9503G001-009 (No Ag) Pb		P10405C	95GI580	04/05/95	16:25	BH	S	CONC
31	CCV 3		P10405C	95GI580	04/05/95	16:29	BH	Q	CONC
32	CCB		P10405C	95GI580	04/05/95	16:32	BH	Q	CONC
33	9503G001-010		P10405C	95GI580	04/05/95	16:35	BH	S	CONC
* 34	~~9503G001-011~~		~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~16:38~~	~~BH~~	~~S~~	~~CONC~~ BH 4/6/95
35	9503G001-012		P10405C	95GI580	04/05/95	16:41	BH	S	CONC
* 36	~~9503G001-013~~		~~P10405C~~	~~95GI580~~	~~04/05/95~~	~~16:44~~	~~BH~~	~~S~~	~~CONC~~ BH 4/6/95
37	9503G001-014		P10405C	95GI580	04/05/95	16:47	BH	S	CONC
38	9503G001-015		P10405C	95GI580	04/05/95	16:49	BH	S	CONC
39	9503G001-016		P10405C	95GI580	04/05/95	16:52	BH	S	CONC
40	CRI		P10405C	95GI580	04/05/95	16:55	BH	Q	CONC
41	ISA		P10405C	95GI580	04/05/95	16:58	BH	Q	CONC
42	ISB		P10405C	95GI580	04/05/95	17:01	BH	Q	CONC
43	CCV 4		P10405C	95GI580	04/05/95	17:04	BH	Q	CONC
44	CCB		P10405C	95GI580	04/05/95	17:07	BH	Q	CONC

* = returns are in run P10406A.

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WESTON Environmental Metrics, Inc.
IC1 - ICAP 1100
CLP Cover Sheet

Raw Run/Filename: P|0405C

Analysis Date: 4/5/95

Standard Traceability:

Calibration Standard Source(s) ID:

Source ID
686 : 690 : 689
691 : 703 : 713

	Book # - Page - Line
ICV Solution #:	1276 - 69 - 2
CCV Solution #:	1276 - 72 - 4
ICSA Solution #:	1276 - 69 - 4
ICSAB Solution #:	1276 - 69 - 5
CRI Solution #:	1276 - 69 - 3
20% Standard Solution #:	1276 - 68 - 2
50% Standard Solution #:	1276 - 68 - 3

RFW's to Copy: 9503G001

Analyst Signature: Brian L. Hancock / Douglas Lucas Date: 4/6/95

Reviewer Signature: Joan L Wojcik Date: 4/7/95

P10405C Brian Hamende Douglas Lucas

Method: 95GI580 Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	.00395	.00030	-.00010	-.00010	.00097	.00007	.00901
SDev	.00032	.00091	.00005	.00000	.00023	.00003	.00011
%RSD	8.1988	301.65	49.664	.93493	23.596	44.307	1.1897
#1	.00364	.00010	-.00015	-.00010	.00074	.00005	.00891
#2	.00392	-.00049	-.00010	-.00010	.00098	.00005	.00901
#3	.00429	.00130	-.00005	-.00010	.00120	.00010	.00912

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00073	-.00036	.00013	.00016	.00015	.00046	.00039
SDev	.00120	.00033	.00003	.00015	.00023	.00075	.00010
%RSD	164.02	90.679	22.236	92.087	152.83	160.32	24.631
#1	.00059	-.00044	.00015	.00000	-.00010	.00049	.00030
#2	-.00039	-.00064	.00010	.00020	.00020	-.00029	.00049
#3	.00199	.00000	.00015	.00030	.00035	.00120	.00040

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.00016	.00090	.00166	.00196	.00214	.00002	-.02367
SDev	.00011	.00016	.00059	.00059	.00048	.00003	.00127
%RSD	69.051	17.436	35.411	30.230	22.394	173.21	5.3858
#1	.00030	.00108	.00128	.00207	.00182	.00000	-.02505
#2	.00010	.00078	.00137	.00132	.00191	.00000	-.02344
#3	.00010	.00085	.00234	.00249	.00269	.00005	-.02253

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.00222	.00018	.00035	.00005	-.00031	.00024
SDev	.00015	.00040	.00005	.00000	.00048	.00087
%RSD	6.7516	221.06	13.723	.93493	153.95	356.11
#1	.00212	.00000	.00039	.00005	-.00084	.00113
#2	.00215	-.00010	.00034	.00005	-.00020	.00020
#3	.00239	.00065	.00030	.00005	.00010	-.00060

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20274	--	--	--	--	--	--
SDev	188.8950	--	--	--	--	--	--
%RSD	.9317260	--	--	--	--	--	--
#1	20323	--	--	--	--	--	--
#2	20433	--	--	--	--	--	--
#3	20065	--	--	--	--	--	--

Method: 95GI580 Standard: S

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	4.0175	.20187	3.0077	.74077	1.2748	.73077	7.9398
SDev	.0060	.00320	.0047	.00098	.0035	.003	.0228
%RSD	14811	1.5831	.15721	.13300	.27633	.427	.28666

#1	4.0164	.19907	3.0031	.74180	1.2767	.73249	7.9601
#2	4.0122	.20120	3.0076	.73984	1.2707	.72716	7.9152
#3	4.0240	.20535	3.0126	.74067	1.2769	.73267	7.9441

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	2.6395	1.7616	.41222	5.0543	.35285	1.9630	1.7065
SDev	.0060	.0054	.00038	.0129	.00174	.0044	.0041
%RSD	.22920	.30631	.09230	.25485	.49240	.22593	.24166

#1	2.6450	1.7651	.41206	5.0643	.35478	1.9667	1.7095
#2	2.6330	1.7554	.41195	5.0398	.35140	1.9581	1.7018
#3	2.6405	1.7643	.41266	5.0588	.35238	1.9641	1.7081

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.46315	1.2711	.56420	.46169	4.9143	1.2727	.20322
SDev	.00069	.0029	.00074	.00102	.0048	.0008	.00069
%RSD	.14806	.23001	.13074	.22120	.09793	.06381	.33849

#1	.46287	1.2733	.56461	.46217	4.9154	1.2726	.20393
#2	.46265	1.2678	.56334	.46052	4.9090	1.2720	.20318
#3	.46393	1.2723	.56463	.46238	4.9184	1.2736	.20255

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.19717	2.1224	1.0416	1.6406	.65086	.63756
SDev	.00098	.0038	.0041	.0019	.00343	.00121
%RSD	.49959	.17722	.39282	.11618	.52638	.18981

#1	.19817	2.1246	1.0441	1.6412	.65148	.63836
#2	.19620	2.1180	1.0368	1.6384	.64716	.63815
#3	.19715	2.1245	1.0438	1.6421	.65393	.63617

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20054	--	--	--	--	--	--
SDev	125.8610	--	--	--	--	--	--
%RSD	.6276106	--	--	--	--	--	--

#1	19973	--	--	--	--	--	--
#2	20199	--	--	--	--	--	--
#3	19990	--	--	--	--	--	--

Method: 95GI580 Sample Name: ICV Operator: BH
Run Time: 04/05/95 15:05:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	39.411	.83591	8.0313	1.9978	4.0236	2.0110	40.560
SDev	.052	.01604	.0229	.0013	.0159	.0312	.266
%RSD	.13256	1.9188	.28480	.06311	.39558	1.5511	.65538

#1	39.461	.85414	8.0119	1.9987	4.0328	2.0407	40.807
#2	39.415	.82965	8.0253	1.9983	4.0328	2.0138	40.595
#3	39.357	.82395	8.0565	1.9963	4.0052	1.9785	40.279
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	40.000	.80000	8.0000	2.0000	4.0000	2.0000	40.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1086	4.1275	4.0387	20.242	4.0589	39.922	4.0177
SDev	.0228	.0223	.0040	.092	.0294	.151	.0187
%RSD	.55408	.54052	.09970	.45231	.72434	.37843	.46522
#1	4.1272	4.1451	4.0376	20.305	4.0925	40.069	4.0327
#2	4.1154	4.1351	4.0432	20.284	4.0463	39.931	4.0237
#3	4.0832	4.1024	4.0354	20.137	4.0380	39.767	3.9968
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	20.000	4.0000	40.000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0511	4.1229	39.560	.79718	38.892	4.0069	8.0094
SDev	.0117	.0296	.082	.00307	.038	.0062	.0874
%RSD	.28802	.71906	.20621	.38552	.09753	.15587	1.0912
#1	4.0645	4.1460	39.619	.80000	38.849	4.0008	8.0903
#2	4.0459	4.1333	39.594	.79763	38.918	4.0068	7.9167
#3	4.0429	4.0895	39.467	.79390	38.910	4.0132	8.0212
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	40.000	.80000	40.000	4.0000	8.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	4.0437	4.0676	4.0287	4.0372	3.9873	3.9789	
SDev	.0332	.0133	.0377	.0034	.0383	.0137	
%RSD	.81987	.32791	.93471	.08392	.96126	.34420	
#1	4.0728	4.0821	4.0607	4.0366	4.0104	3.9848	
#2	4.0508	4.0651	4.0381	4.0409	4.0085	3.9886	
#3	4.0076	4.0558	3.9872	4.0342	3.9431	3.9632	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20463	--	--	--	--	--	--
SDev	333.1446	--	--	--	--	--	--

%RSD	1.628061	--	--	--	--	--	--
#1	20202	--	--	--	--	--	--
#2	20348	--	--	--	--	--	--
#3	20838	--	--	--	--	--	--

Method: 95GI580 Sample Name: ICB Operator: BH
Run Time: 04/05/95 15:08:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02791	.00697	.00619	.00111	.01013	.00124	.02213
SDev	.01801	.00550	.00143	.00018	.00287	.00210	.01740
%RSD	64.519	78.954	23.181	16.528	28.351	169.59	78.605
#1	.04012	.00621	.00771	.00101	.01103	.00304	.03548
#2	.03637	.01281	.00598	.00100	.01244	.00175	.02846
#3	.00723	.00188	.00487	.00132	.00691	-.00107	.00246
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00335	.00422	.00002	.01104	.00240	.02720	.00304
SDev	.00122	.00131	.00066	.00245	.00224	.01715	.00070
%RSD	36.412	30.988	3620.4	22.171	93.412	63.024	23.135
#1	.00357	.00548	-.00074	.01337	.00295	.02529	.00361
#2	.00445	.00432	.00045	.01125	.00431	.04522	.00327
#3	.00204	.00287	.00035	.00849	-.00007	.01110	.00226
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00687	.00801	-.02153	.00159	.00692	.00261	-.05723
SDev	.00183	.00316	.00921	.00315	.01565	.00044	.08589
%RSD	26.640	39.378	42.785	197.70	226.27	16.852	150.07
#1	.00847	.01053	-.02629	.00114	.01300	.00305	-.12799
#2	.00727	.00903	-.01091	.00494	.01861	.00262	.03832
#3	.00487	.00447	-.02738	-.00131	-.01086	.00217	-.08202
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00691	.00251	.00130	.00365	.00635	-.00740

SDev	.00345	.00055	.00160	.00068	.01069	.01371	
%RSD	49.935	21.962	122.75	18.573	168.26	185.27	
#1	.01043	.00296	.00200	.00432	.00401	-.00943	
#2	.00679	.00269	.00244	.00367	.01802	.00721	
#3	.00353	.00190	-.00053	.00296	-.00297	-.01999	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20095	--	--	--	--	--	--
SDev	387.6033	--	--	--	--	--	--
%RSD	1.928886	--	--	--	--	--	--
#1	19787	--	--	--	--	--	--
#2	19967	--	--	--	--	--	--
#3	20530	--	--	--	--	--	--

Method: 95GI580 Sample Name: CRI Operator: BH
Run Time: 04/05/95 15:11:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.40910	.13892	.40437	.01033	.20974	.00889	2.0812
SDev	.00960	.01134	.00040	.00007	.00152	.00098	.0097
%RSD	2.3456	8.1603	.09904	.64352	.72355	11.082	.46779
#1	.40977	Q.15083	.40442	.01035	.21071	.00923	2.0859
#2	.41834	.13767	.40395	.01039	.21053	Q.00777	2.0878
#3	.39919	.12826	.40475	.01026	.20799	.00965	2.0701
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02142	.10709	.05561	.20998	.09399	2.0356	.03145
SDev	.00391	.00060	.00081	.00220	.00693	.0177	.00022
%RSD	18.255	.55771	1.4494	1.0457	7.3775	.86860	.69946
#1	.01733	.10640	.05570	.21192	.08615	2.0344	.03170
#2	Q.02512	.10744	.05476	.21043	.09647	2.0539	.03127
#3	.02180	.10742	.05636	.20760	.09934	2.0186	.03139
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20966	.09073	1.9608	.02075	1.9761	.20362	.33452
SDev	.00124	.00095	.0504	.00030	.0149	.00063	.01534
%RSD	.58989	1.0468	2.5704	1.4656	.75411	.30913	4.5855
#1	.20963	.08998	1.9054	.02072	1.9589	.20340	.32325
#2	.20844	.09041	2.0039	.02107	1.9853	.20433	.32833
#3	.21091	.09180	1.9731	.02047	1.9841	.20313	.35199
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17901	.10507	.04185	.20666	.20708	.18950
SDev	.00694	.00190	.00091	.00049	.00788	.02157
%RSD	3.8780	1.8063	2.1741	.23589	3.8052	11.384
#1	.17939	.10289	.04080	.20626	.21609	.21401
#2	.18576	.10595	.04245	.20720	.20145	.17340
#3	.17189	.10636	.04230	.20651	.20371	.18110
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20220	--	--	--	--	--	--
SDev	138.8969	--	--	--	--	--	--
%RSD	.6869394	--	--	--	--	--	--
#1	20190	--	--	--	--	--	--
#2	20098	--	--	--	--	--	--
#3	20371	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISA Operator: BH
Run Time: 04/05/95 15:14:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	509.98	.01433	.00305	-.00038	.00403	.00304	510.01
SDev	.27	.00595	.00035	.00034	.00287	.00409	1.94
%RSD	.05259	41.533	11.534	90.192	71.229	134.38	.37942
#1	510.08	.01569	.00271	-.00038	.00427	-.00156	508.38
#2	510.18	.01948	.00304	-.00072	.00105	.00627	509.51
#3	509.67	.00781	.00342	-.00004	.00678	.00442	512.15
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass

Value	500.00						500.00
Range	20.000						20.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00418	.00104	.00557	193.26	.02130	521.09	-.00130
SDev	.00375	.00046	.00128	.46	.01008	.40	.00018
%RSD	89.766	43.778	23.005	.23651	47.313	.07585	13.544
#1	-.00000	.00144	.00682	192.84	.01099	520.64	-.00144
#2	.00724	.00115	.00426	193.20	.03113	521.38	-.00110
#3	.00530	.00054	.00563	193.75	.02177	521.25	-.00137
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01249	-.00549	-.09702	-.00979	-.01658	.00676	.04019
SDev	.00225	.00400	.05954	.00040	.01235	.00005	.05980
%RSD	17.992	72.926	61.373	4.0744	74.459	.67170	148.80
#1	-.01470	-.01009	-.13087	-.00942	-.02990	.00676	-.01266
#2	-.01021	-.00357	-.13193	-.01021	-.01435	.00671	.10510
#3	-.01254	-.00281	-.02827	-.00975	-.00550	.00681	.02812
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.01214	.00215	-.01855	.01299	-.07229	.04818	
SDev	.00228	.00101	.00180	.00037	.02654	.04681	
%RSD	18.766	46.870	9.6773	2.8397	36.716	97.154	
#1	.01209	.00214	-.01881	.01260	-.07643	-.00486	
#2	.00988	.00115	-.01664	.01303	-.09652	.08373	
#3	.01444	.00317	-.02020	.01333	-.04392	.06567	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19398	--	--	--	--	--	--
SDev	128.0117	--	--	--	--	--	--
%RSD	.6599222	--	--	--	--	--	--
#1	19400	--	--	--	--	--	--
#2	19525	--	--	--	--	--	--
#3	19269	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISB Operator: BH
Run Time: 04/05/95 15:17:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	509.52	.00589	.49846	.49250	.00266	1.0142	509.36
SDev	1.15	.02058	.00134	.00173	.00103	.0070	2.07
%RSD	.22668	349.09	.26928	.35116	38.626	.68562	.40651
#1	508.42	.00839	.49784	.49124	.00275	1.0069	507.12
#2	509.41	-.01582	.49755	.49179	.00363	1.0208	511.20
#3	510.73	.02511	.50001	.49447	.00159	1.0150	509.76
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48234	.48865	.51737	193.31	.98995	519.79	.48059
SDev	.00809	.00384	.00071	.59	.00568	2.07	.00147
%RSD	1.6772	.78652	.13776	.30652	.57353	.39790	.30610
#1	.47747	.48489	.51771	192.63	.99261	517.41	.47892
#2	.49168	.49257	.51655	193.67	.98343	521.16	.48170
#3	.47786	.48849	.51784	193.64	.99381	520.81	.48115
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00837	.96320	-.11605	1.0044	-.02960	.00612	.07606
SDev	.00360	.00727	.03842	.0039	.01347	.00005	.05982
%RSD	42.964	.75489	33.111	.38845	45.508	.88819	78.645
#1	-.00981	.95553	-.12318	1.0003	-.01858	.00609	.04643
#2	-.01103	.96409	-.07456	1.0080	-.02560	.00618	.14491
#3	-.00428	.96999	-.15040	1.0048	-.04461	.00609	.03684
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00320	.50128	.96716	.01235	4.9299	5.0081
SDev	.01083	.00215	.00276	.00024	.0794	.0646
%RSD	338.62	.42918	.28573	1.9703	1.6108	1.2890
#1	.00988	.49895	.96805	.01220	4.9077	4.9491
#2	-.00930	.50319	.96937	.01222	4.8641	4.9981

#3	.00901	.50170	.96406	.01263	5.0181	5.0771
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value		.50000	1.0000		5.0000	5.0000
Range		.10000	.20000		1.0000	1.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19470	--	--	--	--	--	--
SDev	161.9660	--	--	--	--	--	--
%RSD	.8318749	--	--	--	--	--	--
#1	19566	--	--	--	--	--	--
#2	19283	--	--	--	--	--	--
#3	19561	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/05/95 15:20:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.418	1.0109	9.9658	2.4806	5.0680	2.5275	50.823
SDev	.125	.0148	.0109	.0037	.0040	.0125	.142
%RSD	.24811	1.4603	.10946	.15075	.07889	.49408	.27889
#1	50.562	.99984	9.9634	2.4846	5.0703	2.5277	50.926
#2	50.357	1.0053	9.9777	2.4772	5.0633	2.5149	50.661
#3	50.335	1.0277	9.9563	2.4799	5.0703	2.5399	50.881
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0397	5.1693	5.0375	25.576	5.0726	50.533	5.0251
SDev	.0104	.0169	.0046	.047	.0340	.151	.0091
%RSD	.20590	.32772	.09061	.18246	.66951	.29801	.18017
#1	5.0423	5.1681	5.0427	25.621	5.0953	50.426	5.0266
#2	5.0283	5.1530	5.0349	25.528	5.0336	50.468	5.0154
#3	5.0485	5.1868	5.0348	25.578	5.0889	50.705	5.0334
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1179	5.1246	49.305	1.0034	48.601	5.0063	10.009
SDev	.0180	.0098	.073	.0044	.086	.0055	.016
%RSD	.35180	.19185	.14764	.43603	.17694	.11000	.15970

#1	5.1023	5.1257	49.255	1.0026	48.680	5.0034	10.021
#2	5.1138	5.1143	49.389	.99953	48.613	5.0126	10.014
#3	5.1376	5.1339	49.272	1.0082	48.509	5.0028	9.9906
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0728	5.1064	5.0745	5.0860	5.0416	5.0203
SDev	.0248	.0041	.0194	.0050	.0143	.0541
%RSD	.48874	.08072	.38282	.09761	.28459	1.0777
#1	5.0956	5.1078	5.0789	5.0890	5.0295	4.9578
#2	5.0464	5.1018	5.0532	5.0802	5.0380	5.0509
#3	5.0764	5.1097	5.0913	5.0886	5.0574	5.0522
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20041	--	--	--	--	--	--
SDev	142.0434	--	--	--	--	--	--
%RSD	.7087523	--	--	--	--	--	--
#1	19929	--	--	--	--	--	--
#2	20201	--	--	--	--	--	--
#3	19994	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB Operator: BH
Run Time: 04/05/95 15:23:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04244	-.00122	.00429	.00011	.00530	.00262	.03273
SDev	.01288	.00955	.00151	.00051	.00411	.00212	.01320
%RSD	30.350	785.55	35.254	475.65	77.596	81.030	40.313
#1	.05477	.00702	.00593	.00067	.00601	.00264	.04459
#2	.04347	.00101	.00401	-.00001	.00901	.00473	.03509
#3	.02907	-.01168	.00294	-.00033	.00088	.00049	.01852
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM

Avge	.00290	.00204	-.00038	.01494	.00283	.02212	.00207
SDev	.00293	.00097	.00069	.00586	.01523	.03599	.00107
%RSD	100.92	47.586	180.66	39.212	539.01	162.68	51.962
#1	.00570	.00260	.00041	.02143	.01972	.04960	.00292
#2	.00316	.00261	-.00075	.01333	-.00139	.03539	.00241
#3	-.00015	.00092	-.00081	.01005	-.00986	-.01862	.00086
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00542	.00523	-.00120	.00035	.00129	.00170	-.08627
SDev	.00229	.00173	.02737	.00103	.01641	.00099	.04442
%RSD	42.169	33.046	2288.0	295.72	1269.9	58.160	51.495
#1	.00717	.00583	.03039	.00118	.02002	.00260	-.04692
#2	.00625	.00328	-.01805	.00068	-.00562	.00185	-.07743
#3	.00283	.00658	-.01593	-.00081	-.01053	.00064	-.13444
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.00832	.00111	.00064	.00273	-.00350	.00256	
SDev	.01429	.00142	.00214	.00122	.01245	.02187	
%RSD	171.78	128.26	335.45	44.489	356.14	855.69	
#1	.00813	.00243	.00287	.00393	.00151	-.01795	
#2	-.01538	.00129	-.00140	.00277	.00567	.02558	
#3	-.01770	-.00039	.00044	.00150	-.01767	.00003	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20110	--	--	--	--	--	--
SDev	247.0229	--	--	--	--	--	--
%RSD	1.228379	--	--	--	--	--	--
#1	20164	--	--	--	--	--	--
#2	19840	--	--	--	--	--	--
#3	20325	--	--	--	--	--	--

Method: 95GI580 Sample Name: 95GI580-MB1 (CLP) Operator: BH
Run Time: 04/05/95 15:26:50

Commen
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02176	.00466	.00110	-.00024	.00723	.00074	.08054
SDev	.01422	.01218	.00077	.00019	.00577	.00087	.00903
%RSD	65.343	261.47	70.058	81.368	79.779	116.86	11.210
#1	.00913	-.00926	.00199	-.00035	.00064	-.00010	.07608
#2	.03716	.00986	.00065	-.00001	.01137	.00069	.09093
#3	.01900	.01338	.00065	-.00035	.00968	.00164	.07461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00061	.00128	-.00157	.01261	-.00330	.00613	.00083
SDev	.00090	.00060	.00141	.00156	.00166	.01696	.00017
%RSD	146.89	46.917	89.756	12.393	50.347	276.50	21.001
#1	-.00163	.00176	-.00319	.01226	-.00138	.02483	.00063
#2	.00010	.00061	-.00075	.01432	-.00427	-.00826	.00094
#3	-.00031	.00147	-.00076	.01125	-.00425	.00183	.00092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00065	.00364	.10283	-.00000	.11623	.00053	-.08069
SDev	.00167	.00243	.00956	.00153	.01049	.00023	.07400
%RSD	255.04	66.668	9.2933	108640.	9.0216	43.402	91.704
#1	-.00030	.00093	.09644	.00107	.12287	.00066	-.16407
#2	.00081	.00561	.09824	.00068	.10414	.00066	-.02283
#3	-.00247	.00437	.11381	-.00175	.12167	.00026	-.05517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00027	.00063	.00151	.00144	-.00214	-.02212
SDev	.01365	.00028	.00175	.00108	.02145	.02027
%RSD	5122.9	44.070	116.04	75.020	1003.9	91.649
#1	.00943	.00078	-.00043	.00031	-.02461	.00008
#2	-.01542	.00079	.00297	.00247	.01813	-.03965
#3	.00679	.00031	.00197	.00153	.00006	-.02679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.10000	.05000	.02000	.01000	.10000	.10000
Low	-.10000	-.05000	-.02000	-.01000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19918	--	--	--	--	--	--
SDev	59.90826	--	--	--	--	--	--
%RSD	.3007745	--	--	--	--	--	--
#1	19941	--	--	--	--	--	--
#2	19850	--	--	--	--	--	--
#3	19963	--	--	--	--	--	--

Method: 95GI580 Sample Name: 95GI580-LC1 Operator: BH
Run Time: 04/05/95 15:30:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.8860	.49284	1.8645	.04713	.96796	.04991	9.7828
SDev	.0076	.00690	.0028	.00012	.00304	.00207	.0591
%RSD	.40127	1.3998	.15118	.25706	.31455	4.1397	.60363
#1	1.8784	.49201	1.8642	.04718	.96710	.05072	9.7579
#2	1.8862	.48639	1.8674	.04699	.96543	.04756	9.7403
#3	1.8935	.50011	1.8618	.04721	.97134	.05145	9.8502
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.4000	.60000	2.4000	.06000	1.2000	.06000	12.000
Low	1.6000	.40000	1.6000	.04000	.80000	.04000	8.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.19436	.49815	.24329	.99210	.49860	9.6268	.48127
SDev	.00315	.00171	.00112	.00367	.01293	.0055	.00170
%RSD	1.6226	.34339	.45945	.36978	2.5932	.05707	.35230
#1	.19481	.49783	.24441	.99239	.49620	9.6297	.48193
#2	.19101	.49662	.24218	.98829	.48704	9.6304	.47935
#3	.19727	.50000	.24329	.99561	.51256	9.6205	.48254
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.24000	.60000	.30000	1.2000	.60000	12.000	.60000
Low	.16000	.40000	.20000	.80000	.40000	8.0000	.40000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.96852	.50298	9.2720	.04626	9.2421	.94369	1.8468
SDev	.00634	.00288	.0906	.00230	.0131	.00054	.0252
%RSD	.65509	.57210	.97743	4.9736	.14171	.05749	1.3633
#1	.96239	.50542	9.2008	.04828	9.2320	.94350	1.8609
#2	.96810	.49981	9.2412	.04376	9.2373	.94430	1.8178
#3	.97506	.50372	9.3740	.04674	9.2569	.94326	1.8618

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	.60000	12.000	.06000	12.000	1.2000	2.4000
Low	.80000	.40000	8.0000	.04000	8.0000	.80000	1.6000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.95997	.48826	.48155	.96318	1.9200	1.8833
SDev	.01386	.00116	.00255	.00238	.0125	.0225
%RSD	1.4441	.23835	.53025	.24746	.65121	1.1933
#1	.94928	.48779	.48119	.96248	1.9246	1.8582
#2	.95499	.48741	.47920	.96123	1.9296	1.9016
#3	.97563	.48959	.48427	.96584	1.9059	1.8901

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	.60000	.60000	1.2000	2.4000	2.4000
Low	.80000	.40000	.40000	.80000	1.6000	1.6000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19919	--	--	--	--	--	--
SDev	203.1805	--	--	--	--	--	--
%RSD	1.020051	--	--	--	--	--	--
#1	19992	--	--	--	--	--	--
#2	20075	--	--	--	--	--	--
#3	19689	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001 Operator: BH
Run Time: 04/05/95 15:33:09
Comment:
Mode: CONC Corr. Factor: 1

RERUN (5x)

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	268.59	k.01260	1.8654	k.01387	.40920	k.03555	S-.11026
SDev	.63	.01097	.0051	.00029	.00036	.00806	.00001
%RSD	.23600	87.051	.27466	2.1083	.08680	22.668	.00790
#1	268.07	k.00967	1.8650	k.01369	.40897	k.04054	S-.11026
#2	268.40	k.00340	1.8605	k.01421	.40902	k.03985	S-.11026
#3	269.30	k.02474	1.8707	k.01371	.40961	k.02625	S-.11027

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k3.2818	k.24275	k3.2665	H697.40	k13.574	H2520.4	k16.644
SDev	.0107	.00226	.0152	2.00	.045	7.6	.037
%RSD	.32693	.93073	.46620	.28632	.32887	.30134	.22486
#1	k3.2703	k.24018	k3.2605	H696.57	k13.524	H2513.9	k16.616

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#2	k3.2916	k.24364	k3.2551	H699.67	k13.609	H2528.8	k16.686
#3	k3.2834	k.24443	k3.2838	H695.94	k13.589	H2518.5	k16.629

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.13536	k4.3901	43.308	k-.07992	18.487	1.7904	k-.15854
SDev	.01114	.0137	.303	.00092	.051	.0037	.09730
%RSD	8.2283	.31305	.69987	1.1480	.27419	.20611	61.375
#1	k.12510	k4.3889	43.048	k-.08072	18.432	1.7893	k-.26763
#2	k.13378	k4.4043	43.236	k-.08012	18.498	1.7874	k-.08072
#3	k.14720	k4.3769	43.641	k-.07892	18.532	1.7945	k-.12727

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.12486	k.85709	k17.919	k3.4942	k.30911	k.74736
SDev	.03340	.00215	.107	.0057	.01027	.05619
%RSD	26.755	.25092	.59599	.16271	3.3212	7.5186
#1	k.11817	k.85472	k17.817	k3.4885	k.30625	k.76629
#2	k.09530	k.85765	k18.030	k3.4942	k.32050	k.68415
#3	k.16110	k.85891	k17.909	k3.4999	k.30058	k.79164

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17738	--	--	--	--	--	--
SDev	95.86623	--	--	--	--	--	--
%RSD	.5404466	--	--	--	--	--	--
#1	17808	--	--	--	--	--	--
#2	17629	--	--	--	--	--	--
#3	17778	--	--	--	--	--	--

BH 4/6/95

Method: 95GI580 Sample Name: 9503G001-001R 1 Operator: BH
Run Time: 04/05/95 15:36:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	328.83	k-.00531	2.0304	k.01540	.44571	k.04815	S-.10978
SDev	.72	.03504	.0018	.00049	.00405	.00574	.00000

DM 7/6/12
RERUN

%RSD	.22006	660.45	.09039	3.1952	.90771	11.913	.00372
#1	329.29	k.01166	2.0325	k.01486	.45035	k.05408	S-.10978
#2	329.21	k-.04560	2.0291	k.01552	.44384	k.04262	S-.10978
#3	328.00	k.01802	2.0295	k.01582	.44294	k.04775	S-.10978
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k3.6388	k.27261	k3.5776	H791.50	k14.320	H2898.8	k18.218
SDev	.0065	.00135	.0110	1.73	.073	7.2	.032
%RSD	.17744	.49456	.30739	.21857	.50837	.24754	.17823
#1	k3.6319	k.27152	k3.5902	H790.16	k14.254	H2901.4	k18.199
#2	k3.6447	k.27220	k3.5727	H793.45	k14.398	H2904.3	k18.256
#3	k3.6397	k.27412	k3.5700	H790.88	k14.309	H2890.7	k18.201
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.22036	k4.7808	54.651	k-.09712	20.933	2.0229	k.02123
SDev	.00769	.0075	.278	.00349	.067	.0017	.03982
%RSD	3.4899	.15600	.50932	3.5900	.31801	.08323	187.54
#1	k.21644	k4.7809	54.838	k-.09384	20.994	2.0248	k.05719
#2	k.21543	k4.7882	54.784	k-.10078	20.945	2.0219	k-.02156
#3	k.22923	k4.7733	54.331	k-.09674	20.862	2.0220	k.02807
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	k.15685	k.98663	k18.884	k2.6918	k.38719	k.92281	
SDev	.02146	.00168	.037	.0006	.07599	.08232	
%RSD	13.681	.17032	.19701	.02277	19.626	8.9212	
#1	k.17533	k.98559	k18.872	k2.6922	k.46759	k1.0070	
#2	k.16190	k.98573	k18.926	k2.6921	k.37744	k.91900	
#3	k.13332	k.98857	k18.854	k2.6911	k.31655	k.84245	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	17096	--	--	--	--	--	--
SDev	156.8152	--	--	--	--	--	--
%RSD	.9172624	--	--	--	--	--	--
#1	17266	--	--	--	--	--	--
#2	16957	--	--	--	--	--	--
#3	17065	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001S 1 Operator: BH
Run Time: 04/05/95 15:39:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	287.04	k.03631	3.8712	.05530	1.3422	k.10213	S-.11043
SDev	.69	.02527	.0094	.00051	.0021	.00600	.00000
%RSD	.23875	69.611	.24331	.91744	.15791	5.8702	.00318
#1	287.81	k.06532	3.8804	.05529	1.3430	k.10879	S-.11043
#2	286.84	k.01908	3.8715	.05480	1.3398	k.09718	S-.11044
#3	286.48	k.02452	3.8616	.05582	1.3438	k.10041	S-.11044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k3.6378	k.66192	k3.8082	H703.95	k14.663	H3531.4	k19.928
SDev	.0131	.00120	.0193	2.00	.067	3.8	.056
%RSD	.36111	.18130	.50753	.28463	.45814	.10819	.27930
#1	k3.6229	k.66058	k3.8296	H701.83	k14.591	H3528.3	k19.870
#2	k3.6476	k.66289	k3.8033	H704.21	k14.724	H3535.7	k19.934
#3	k3.6429	k.66229	k3.7919	H705.81	k14.673	H3530.3	k19.981
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.61805	k4.9125	56.965	k-.04585	32.477	3.2141	1.7258
SDev	.00599	.0208	.156	.00069	.165	.0056	.1066
%RSD	.96944	.42270	.27303	1.5052	.50704	.17511	6.1758
#1	k.61804	k4.8964	57.131	k-.04620	32.667	3.2197	1.7581
#2	k.61207	k4.9052	56.942	k-.04629	32.387	3.2142	1.6068
#3	k.62405	k4.9359	56.823	k-.04505	32.377	3.2085	1.8125
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960

BH 4/6/95
RERUN (SK)

Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.88797	k1.2816	k18.815	k3.4918	k1.8354	k2.0338
SDev	.01538	.0007	.031	.0042	.0507	.1394
%RSD	1.7324	.05572	.16660	.12061	2.7604	6.8519
#1	k.88264	k1.2811	k18.781	k3.4919	k1.7820	k2.0110
#2	k.87595	k1.2813	k18.843	k3.4876	k1.8413	k1.9072
#3	k.90530	k1.2824	k18.819	k3.4960	k1.8828	k2.1832

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	16947	--	--	--	--	--	--
SDev	114.1768	--	--	--	--	--	--
%RSD	.6737152	--	--	--	--	--	--
#1	17075	--	--	--	--	--	--
#2	16855	--	--	--	--	--	--
#3	16912	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001L 1 Operator: BH
Run Time: 04/05/95 15:42:05
Comment:
Mode: CONC Corr. Factor: 1

RERUN (5x) BH 4/6/95

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	53.662	-.00536	.38277	.00255	.08179	.00591	H943.24
SDev	.084	.00380	.00036	.00020	.00181	.00172	2.00
%RSD	.15706	70.911	.09472	7.9098	2.2180	29.055	.21160
#1	53.565	-.00117	.38303	.00244	.08172	.00771	H940.97
#2	53.710	-.00634	.38236	.00243	.08364	.00574	H944.73
#3	53.712	-.00858	.38293	.00278	.08001	.00429	H944.01

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.70734	.05325	.63395	154.71	2.9027	515.44	3.5241
SDev	.00250	.00242	.00273	.08	.0289	.92	.0012
%RSD	.35389	4.5452	.43015	.05071	.99480	.17851	.03330
#1	.70807	.05070	.63645	154.62	2.8704	514.48	3.5232
#2	.70940	.05552	.63436	154.77	2.9113	516.32	3.5237
#3	.70455	.05352	.63104	154.74	2.9262	515.52	3.5255

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000

Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03104	.97055	8.3043	-.00584	3.5487	.37043	.01503
SDev	.00121	.00248	.0976	.00109	.0237	.00017	.17135
%RSD	3.8969	.25582	1.1756	18.731	.66867	.04478	1140.3
#1	.03048	.97092	8.2055	-.00711	3.5233	.37024	-.12324
#2	.03022	.97283	8.4007	-.00517	3.5703	.37047	.20672
#3	.03243	.96791	8.3066	-.00525	3.5524	.37056	-.03840
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02904	.18417	3.7305	.78504	.05558	-.03823
SDev	.00189	.00171	.0198	.00263	.00527	.01360
%RSD	6.5160	.92884	.52971	.33468	9.4863	35.566
#1	.02725	.18243	3.7282	.78225	.04991	-.05066
#2	.02886	.18585	3.7513	.78746	.06034	-.04033
#3	.03102	.18424	3.7120	.78541	.05648	-.02371
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18596	--	--	--	--	--	--
SDev	100.5535	--	--	--	--	--	--
%RSD	.5407263	--	--	--	--	--	--
#1	18485	--	--	--	--	--	--
#2	18622	--	--	--	--	--	--
#3	18681	--	--	--	--	--	--

BH 4/6/95

Method: 95GI580 Sample Name: 9503G001-001A 1 Operator: BH
Run Time: 04/05/95 15:44:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	273.74	k.11002	2.2929	k.02284	.60354	k.04577	S-.11032
SDev	.39	.00440	.0017	.00010	.00446	.00451	.00002
%RSD	.14392	3.9970	.07277	.44009	.73945	9.8658	.01383
#1	274.18	k.10581	2.2913	k.02273	.60454	k.04842	S-.11032
#2	273.61	k.11459	2.2946	k.02292	.59867	k.04833	S-.11033
#3	273.43	k.10966	2.2928	k.02288	.60743	k.04055	S-.11030

BH 4/6/95 Rerun (5x)

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k3.3344	k.33612	k3.3769	H702.21	k13.853	H2541.3	k16.837
SDev	.0035	.00611	.0046	.97	.040	5.9	.018
%RSD	.10382	1.8171	.13676	.13759	.28819	.23391	.10438
#1	k3.3358	k.33696	k3.3814	H702.94	k13.899	H2546.1	k16.851
#2	k3.3369	k.34176	k3.3771	H702.58	k13.833	H2543.1	k16.843
#3	k3.3304	k.32963	k3.3722	H701.11	k13.827	H2534.6	k16.817

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.31834	k4.5120	46.237	k-.06360	21.050	2.0180	k.38108
SDev	.00791	.0042	.056	.00154	.040	.0021	.10761
%RSD	2.4861	.09344	.12052	2.4274	.18853	.10514	28.238
#1	k.32732	k4.5072	46.301	k-.06338	21.080	2.0165	k.37308
#2	k.31535	k4.5152	46.213	k-.06217	21.066	2.0204	k.49247
#3	k.31236	k4.5134	46.197	k-.06523	21.005	2.0170	k.27770

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	k.30646	k.96126	k18.146	k3.7430	k.50295	k1.0216	
SDev	.02056	.00322	.052	.0045	.01214	.0129	
%RSD	6.7096	.33504	.28516	.12073	2.4135	1.2627	
#1	k.28282	k.96251	k18.195	k3.7432	k.49025	k1.0192	
#2	k.32014	k.96366	k18.151	k3.7475	k.51443	k1.0100	
#3	k.31644	k.95760	k18.091	k3.7384	k.50417	k1.0355	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17049	--	--	--	--	--	--
SDev	99.22869	--	--	--	--	--	--
%RSD	.5820320	--	--	--	--	--	--
#1	16935	--	--	--	--	--	--

BH4/6/95

#2	17093	--	--	--	--	--	--
#3	17118	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-002 Operator: BH
Run Time: 04/05/95 15:47:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07774	-.00552	.06206	-.00070	.08473	.00144	67.236
SDev	.01578	.00129	.00011	.00001	.00183	.00135	.378
%RSD	20.293	23.422	.18227	1.4702	2.1626	93.553	.56206
#1	.09425	-.00573	.06195	-.00071	.08683	.00213	67.618
#2	.06282	-.00670	.06207	-.00069	.08390	.00231	66.862
#3	.07614	-.00414	.06217	-.00071	.08347	-.00011	67.228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00149	.00056	.00746	.16443	.00915	29.986	.08809
SDev	.00115	.00173	.00146	.04552	.00839	.184	.00129
%RSD	76.863	310.64	19.530	27.684	91.677	.61284	1.4615
#1	.00210	.00056	.00669	.21592	.01883	30.198	.08957
#2	.00221	.00229	.00655	.14778	.00427	29.878	.08737
#3	.00017	-.00118	.00914	.12957	.00435	29.882	.08732
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01106	.03693	6.5650	-.00218	11.657	.13580	-.12132
SDev	.00069	.00079	.0554	.00147	.030	.00019	.08798
%RSD	6.2264	2.1335	.84420	67.552	.26082	.13865	72.521
#1	.01076	.03717	6.5303	-.00322	11.687	.13601	-.11351
#2	.01056	.03606	6.6289	-.00049	11.657	.13564	-.03750
#3	.01184	.03758	6.5358	-.00282	11.626	.13576	-.21294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02006	-.00029	.28362	.00234	.00295	.03381
SDev	.00071	.00144	.00198	.00018	.00530	.01588
%RSD	3.5626	492.90	.69897	7.5659	179.59	46.985

#1	-.01958	-.00060	.28567	.00226	-.00300	.01951
#2	-.02088	.00128	.28348	.00223	.00717	.03100
#3	-.01973	-.00156	.28171	.00255	.00468	.05090

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19743	--	--	--	--	--	--
SDev	155.1999	--	--	--	--	--	--
%RSD	.7861008	--	--	--	--	--	--
#1	19636	--	--	--	--	--	--
#2	19921	--	--	--	--	--	--
#3	19672	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-002R 1 Operator: BH
Run Time: 04/05/95 15:50:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03642	.00323	.06104	-.00059	.06534	.00016	65.279
SDev	.00245	.00586	.00067	.00019	.00065	.00138	.125
%RSD	6.7302	181.48	1.0995	32.360	.98912	846.80	.19223
#1	.03742	-.00308	.06112	-.00070	.06503	-.00134	65.151
#2	.03363	.00428	.06033	-.00071	.06491	.00136	65.283
#3	.03821	.00850	.06166	-.00037	.06608	.00046	65.402

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00125	.00133	.00255	.03109	.00534	29.015	.08330
SDev	.00047	.00117	.00462	.00338	.01081	.141	.00020
%RSD	38.079	87.980	181.30	10.887	202.47	.48606	.23905
#1	.00168	.00201	.00783	.03484	.01586	28.918	.08352
#2	.00074	-.00002	-.00072	.03014	.00588	28.950	.08312
#3	.00133	.00201	.00054	.02827	-.00573	29.177	.08327

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00927	.03471	6.4964	-.00192	11.413	.13346	-.08794

SDev	.00435	.00200	.0543	.00060	.034	.00042	.07634
%RSD	46.893	5.7510	.83626	31.415	.29792	.31461	86.809
#1	.01393	.03392	6.5027	-.00160	11.387	.13373	-.01988
#2	.00858	.03324	6.4393	-.00155	11.401	.13297	-.17049
#3	.00532	.03699	6.5474	-.00262	11.452	.13367	-.07345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.01435	.00043	.27454	.00174	-.00598	.02830	
SDev	.02407	.00076	.00082	.00065	.00526	.01839	
%RSD	167.73	178.10	.29966	37.214	87.891	64.983	
#1	-.02031	.00130	.27364	.00122	-.00758	.04814	
#2	-.03488	.00011	.27525	.00152	-.00011	.01182	
#3	.01214	-.00013	.27472	.00246	-.01026	.02494	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19638	--	--	--	--	--	--
SDev	144.4057	--	--	--	--	--	--
%RSD	.7353380	--	--	--	--	--	--
#1	19794	--	--	--	--	--	--
#2	19611	--	--	--	--	--	--
#3	19509	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-002S 1 Operator: BH
Run Time: 04/05/95 15:53:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.9628	.49468	1.9734	.04752	1.0442	.05025	75.007
SDev	.0163	.01152	.0032	.00015	.0057	.00385	.449
%RSD	.83053	2.3285	.16299	.31631	.54324	7.6696	.59882
#1	1.9775	.49734	1.9734	.04748	1.0496	.05470	75.238
#2	1.9656	.50463	1.9702	.04739	1.0448	.04797	75.294
#3	1.9452	.48206	1.9766	.04768	1.0383	.04807	74.490
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.19452	.49536	.25481	1.0037	.49068	38.942	.56404
SDev	.00580	.00321	.00206	.0049	.01051	.092	.00277
%RSD	2.9794	.64836	.80775	.48870	2.1410	.23637	.49176
#1	.19550	.49727	.25712	1.0075	.48491	39.047	.56643
#2	.19977	.49716	.25412	1.0055	.50281	38.873	.56470
#3	.18830	.49165	.25318	.99815	.48433	38.907	.56100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.97776	.52857	15.955	.04654	21.044	1.1002	1.8804
SDev	.00456	.00436	.057	.00366	.041	.0007	.0106
%RSD	.46626	.82554	.35762	7.8599	.19481	.06310	.56291
#1	.97298	.53081	16.013	.04802	21.060	1.1009	1.8741
#2	.98206	.53136	15.899	.04923	20.997	1.0995	1.8745
#3	.97824	.52354	15.952	.04237	21.074	1.1003	1.8926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.93788	.49206	.75757	.98722	1.9436	1.9197
SDev	.02329	.00103	.00787	.00269	.0196	.0306
%RSD	2.4831	.20862	1.0392	.27246	1.0076	1.5931
#1	.93587	.49287	.76619	.98912	1.9601	1.9160
#2	.96210	.49240	.75579	.98840	1.9487	1.8912
#3	.91566	.49090	.75075	.98414	1.9220	1.9520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19752	--	--	--	--	--	--
SDev	272.3423	--	--	--	--	--	--
%RSD	1.378785	--	--	--	--	--	--
#1	19576	--	--	--	--	--	--
#2	19615	--	--	--	--	--	--
#3	20066	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/05/95 15:56:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.937	1.0128	10.104	2.5025	5.1186	2.5478	50.072
SDev	.155	.0144	.011	.0082	.0348	.0264	.201
%RSD	.30479	1.4176	.10844	.32903	.67910	1.0358	.40156
#1	50.854	.99684	10.115	2.4956	5.0860	2.5281	49.999
#2	51.116	1.0247	10.093	2.5116	5.1552	2.5778	50.299
#3	50.841	1.0168	10.102	2.5003	5.1146	2.5376	49.917
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0343	5.1756	5.0886	25.475	5.0681	50.636	5.0300
SDev	.0167	.0223	.0117	.092	.0211	.166	.0173
%RSD	.33147	.43124	.22922	.36091	.41715	.32847	.34330
#1	5.0308	5.1697	5.0818	25.425	5.0502	50.450	5.0215
#2	5.0524	5.2003	5.1021	25.581	5.0914	50.769	5.0499
#3	5.0196	5.1569	5.0819	25.418	5.0626	50.691	5.0186
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1605	5.1342	49.689	1.0125	49.629	5.0726	10.174
SDev	.0298	.0242	.142	.0035	.111	.0065	.016
%RSD	.57746	.47216	.28671	.34438	.22422	.12742	.15583
#1	5.1295	5.1173	49.645	1.0100	49.616	5.0800	10.177
#2	5.1889	5.1620	49.848	1.0165	49.747	5.0690	10.189
#3	5.1632	5.1233	49.573	1.0111	49.526	5.0687	10.157
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0288	5.1318	5.1092	5.1495	5.0610	5.0134
SDev	.0598	.0137	.0294	.0092	.0251	.0653
%RSD	1.1896	.26770	.57626	.17875	.49661	1.3021
#1	4.9688	5.1194	5.0964	5.1454	5.0320	4.9695
#2	5.0885	5.1466	5.1428	5.1601	5.0755	5.0884
#3	5.0290	5.1294	5.0883	5.1431	5.0755	4.9822
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19748	--	--	--	--	--	--
SDev	120.0500	--	--	--	--	--	--
%RSD	.6079096	--	--	--	--	--	--
#1	19752	--	--	--	--	--	--
#2	19626	--	--	--	--	--	--
#3	19866	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB Operator: BH
Run Time: 04/05/95 15:59:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03914	.01673	.00437	-.00002	.00555	.00038	.03544
SDev	.01045	.00225	.00035	.00034	.00043	.00057	.00150
%RSD	26.714	13.475	8.0704	1774.3	7.8112	149.46	4.2386
#1	.05118	.01624	.00472	.00032	.00517	.00066	.03717
#2	.03388	.01476	.00439	-.00002	.00602	.00076	.03449
#3	.03235	.01918	.00401	-.00036	.00546	-.00028	.03465
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00077	.00146	.00091	.00960	.00876	.00734	.00255
SDev	.00087	.00181	.00141	.00110	.00149	.02533	.00077
%RSD	112.02	124.59	154.93	11.483	17.033	345.28	29.977
#1	.00168	.00291	.00174	.01046	.01022	.01526	.00336
#2	-.00005	-.00058	-.00072	.00999	.00881	-.02101	.00248
#3	.00069	.00204	.00170	.00836	.00724	.02775	.00183
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00524	.00736	-.02187	-.00028	-.00846	.00213	-.06537
SDev	.00109	.00130	.00932	.00172	.01256	.00022	.13967
%RSD	20.763	17.690	42.619	623.98	148.42	10.394	213.67
#1	.00635	.00856	-.01536	-.00055	-.00318	.00227	-.03088
#2	.00418	.00598	-.03254	-.00184	-.02279	.00188	-.21905

#3	.00518	.00755	-.01770	.00156	.00060	.00225	.05382
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.00952	.00130	.00220	.00311	-.00018	-.00706	
SDev	.01497	.00024	.00139	.00054	.01231	.00555	
%RSD	157.25	18.427	63.296	17.433	6837.2	78.698	
#1	-.01957	.00106	.00302	.00373	-.00271	-.00064	
#2	-.01667	.00154	.00059	.00281	-.01103	-.01030	
#3	.00768	.00128	.00297	.00278	.01320	-.01023	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19682	--	--	--	--	--	--
SDev	119.8179	--	--	--	--	--	--
%RSD	.6087587	--	--	--	--	--	--
#1	19650	--	--	--	--	--	--
#2	19582	--	--	--	--	--	--
#3	19815	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-002L 1 Operator: BH
Run Time: 04/05/95 16:02:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01810	-.00248	.01354	-.00071	.01735	.00208	13.538
SDev	.01135	.00676	.00046	.00002	.00183	.00065	.087
%RSD	62.717	272.56	3.4276	2.4722	10.530	31.291	.64425
#1	.02105	.00169	.01368	-.00073	.01870	.00254	13.578
#2	.02768	.00115	.01391	-.00071	.01809	.00236	13.598
#3	.00556	-.01029	.01302	-.00069	.01527	.00134	13.438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00160	.00029	.00135	.00745	-.00719	5.9537	.01788
SDev	.00040	.00106	.00076	.00112	.00639	.0273	.00079
%RSD	24.991	362.35	56.864	15.084	88.909	.45859	4.4257

#1	-.00120	.00057	.00181	.00857	-.01452	5.9595	.01810
#2	-.00160	-.00088	.00177	.00747	-.00281	5.9776	.01853
#3	-.00200	.00118	.00046	.00632	-.00423	5.9239	.01700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00159	.00784	1.3745	.00007	2.3843	.02819	-.06286
SDev	.00059	.00502	.0069	.00037	.0217	.00059	.05768
%RSD	37.232	64.017	.50564	517.46	.90920	2.0917	91.760
#1	.00091	.01086	1.3812	.00002	2.3593	.02865	-.11322
#2	.00198	.01061	1.3674	-.00027	2.3967	.02841	.00007
#3	.00189	.00205	1.3748	.00046	2.3970	.02753	-.07543
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.02031	-.00047	.05784	.00117	.00221	.03469	
SDev	.00099	.00160	.00050	.00073	.00547	.01064	
%RSD	4.8969	337.44	.86889	62.076	247.89	30.685	
#1	-.02099	-.00231	.05835	.00159	-.00345	.04652	
#2	-.01917	.00058	.05735	.00159	.00747	.02588	
#3	-.02077	.00032	.05781	.00033	.00259	.03168	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19619	--	--	--	--	--	--
SDev	255.6580	--	--	--	--	--	--
%RSD	1.303114	--	--	--	--	--	--
#1	19398	--	--	--	--	--	--
#2	19560	--	--	--	--	--	--
#3	19899	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-002A 1 Operator: BH
Run Time: 04/05/95 16:05:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.44573	.12120	.46572	.00968	.29286	.01152	69.636
SDev	.01182	.00917	.00094	.00060	.00196	.00105	.112
%RSD	2.6514	7.5642	.20155	6.1549	.66893	9.0749	.16033
#1	.45911	.12829	.46679	.00930	.29117	.01265	69.538
#2	.43674	.12445	.46530	.01037	.29501	.01059	69.758
#3	.44132	.11084	.46506	.00938	.29240	.01133	69.613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02208	.10470	.06008	.22534	.11261	32.114	.11612
SDev	.00478	.00121	.00142	.00124	.01410	.088	.00085
%RSD	21.662	1.1514	2.3674	.55167	12.523	.27418	.73043
#1	.01725	.10357	.05898	.22640	.10816	32.016	.11601
#2	.02218	.10597	.06168	.22565	.10126	32.185	.11701
#3	.02682	.10455	.05957	.22397	.12840	32.143	.11533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21536	.11901	8.6670	.01923	13.799	.34071	.38156
SDev	.00065	.00080	.0415	.00131	.010	.00025	.04992
%RSD	.30329	.67197	.47881	6.8009	.07150	.07284	13.083
#1	.21591	.11871	8.7137	.02074	13.788	.34100	.41156
#2	.21553	.11841	8.6529	.01840	13.804	.34054	.32393
#3	.21464	.11992	8.6344	.01856	13.805	.34060	.40918
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.18723	.10414	.32406	.20924	.20028	.26527	
SDev	.00438	.00063	.00207	.00013	.01280	.01018	
%RSD	2.3373	.60281	.63812	.06356	6.3893	3.8357	
#1	.18422	.10384	.32183	.20940	.20811	.27618	
#2	.18521	.10372	.32592	.20917	.20723	.25604	
#3	.19225	.10486	.32445	.20917	.18552	.26360	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7

Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19430	--	--	--	--	--	--
SDev	93.75678	--	--	--	--	--	--
%RSD	.4825279	--	--	--	--	--	--
#1	19514	--	--	--	--	--	--
#2	19448	--	--	--	--	--	--
#3	19329	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-003 Operator: BH
Run Time: 04/05/95 16:08:38
Comment:
Mode: CONC Corr. Factor: 1

RERUN (5x) BH 4/6/95

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	257.48	k-.33965	1.3451	k.01451	k.51397	k.03286	S-.10933
SDev	.16	.01991	.0017	.00024	.00455	.00215	.00002
%RSD	.06269	5.8628	.12270	1.6699	.88452	6.5374	.01807
#1	257.37	k-.35010	1.3462	k.01432	k.51432	k.03391	S-.10935
#2	257.39	k-.31669	1.3432	k.01442	k.50926	k.03428	S-.10933
#3	257.66	k-.35216	1.3460	k.01478	k.51833	k.03039	S-.10931
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k1.2618	k.30928	k3.7557	S4430.1	k1.1718	k1358.6	k15.019
SDev	.0066	.00132	.0093	17.1	.0222	2.5	.030
%RSD	.52095	.42807	.24748	.38659	1.8933	.18483	.20007
#1	k1.2546	k.30990	k3.7655	S4410.6	k1.1472	k1355.7	k14.985
#2	k1.2635	k.30776	k3.7546	S4442.6	k1.1779	k1360.2	k15.034
#3	k1.2674	k.31019	k3.7471	S4437.0	k1.1902	k1359.9	k15.039
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k-.00953	k1.5565	60.881	k.69809	k21.575	2.2065	k-.07675
SDev	.01064	.0122	.107	.00316	.018	.0022	.04818
%RSD	111.64	.78234	.17582	.45337	.08539	.10183	62.779
#1	k-.00667	k1.5445	60.798	k.69579	k21.594	2.2074	k-.11023
#2	k-.02131	k1.5562	61.002	k.69677	k21.558	2.2039	k-.02153
#3	k-.00061	k1.5689	60.843	k.70170	k21.572	2.2081	k-.09850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00

Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	k-.13518	k1.0656	k8.0060	k10.310	k-.12431	k-.78093	
SDev	.00617	.0050	.0223	.014	.03767	.11559	
%RSD	4.5660	.47309	.27904	.14053	30.306	14.802	
#1	k-.13852	k1.0629	k7.9853	k10.297	k-.09507	k-.65571	
#2	k-.12806	k1.0624	k8.0032	k10.307	k-.11104	k-.88356	
#3	k-.13896	k1.0714	k8.0297	k10.325	k-.16683	k-.80351	
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Low	LC Low	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17811	--	--	--	--	--	--
SDev	68.80650	--	--	--	--	--	--
%RSD	.3863218	--	--	--	--	--	--
#1	17889	--	--	--	--	--	--
#2	17760	--	--	--	--	--	--
#3	17783	--	--	--	--	--	--

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Method: 95GI580 Sample Name: 9503G001-004 Operator: BH
Run Time: 04/05/95 16:11:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07983	.00273	.04595	-.00062	.09645	.00133	76.491
SDev	.01088	.00427	.00020	.00020	.00183	.00251	.600
%RSD	13.631	156.54	.43845	32.406	1.8928	188.31	.78487
#1	.08931	.00603	.04589	-.00076	.09848	-.00093	77.166
#2	.08222	.00425	.04617	-.00072	.09593	.00403	76.017
#3	.06795	-.00210	.04578	-.00039	.09494	.00089	76.291
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00374	.00132	.00105	.30189	.00216	38.891	.12986
SDev	.00243	.00046	.00534	.06951	.00899	.055	.00114
%RSD	64.862	34.993	509.86	23.025	417.10	.14070	.87928
#1	.00467	.00082	.00704	.37175	.01064	38.918	.13099
#2	.00099	.00172	-.00070	.30119	-.00727	38.828	.12987
#3	.00557	.00143	-.00320	.23273	.00310	38.927	.12871

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01072	.01154	19.523	-.00039	13.091	.13608	-.12182
SDev	.00052	.00284	.023	.00056	.055	.00019	.11203
%RSD	4.8821	24.595	.11885	143.67	.42381	.14178	91.968
#1	.01013	.01461	19.550	.00009	13.034	.13587	-.06590
#2	.01092	.01101	19.512	-.00100	13.097	.13624	-.25080
#3	.01112	.00901	19.508	-.00026	13.144	.13614	-.04875

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02874	.00129	.01084	.00425	.00291	.03389
SDev	.00247	.00192	.00110	.00117	.01360	.00618
%RSD	8.6001	148.09	10.186	27.515	466.64	18.225
#1	-.02689	.00188	.00980	.00525	.01832	.02719
#2	-.03154	-.00085	.01199	.00453	-.00220	.03513
#3	-.02778	.00284	.01072	.00297	-.00739	.03936

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19183	--	--	--	--	--	--
SDev	234.6678	--	--	--	--	--	--
%RSD	1.223312	--	--	--	--	--	--
#1	18963	--	--	--	--	--	--
#2	19430	--	--	--	--	--	--
#3	19156	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-005 Operator: BH
Run Time: 04/05/95 16:14:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	~~Ca3158~~
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	287.57	.01553	2.1844	.01376	.30534	.00720	H1357.3
SDev	.74	.00924	.0024	.00004	.00245	.00216	2.5
%RSD	.25609	59.480	.10956	.27145	.80245	29.985	.18468

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#1	287.60	.01720	2.1853	.01376	.30454	.00471	H1354.7
#2	288.30	.02381	2.1862	.01380	.30809	.00836	H1359.7
#3	286.82	.00557	2.1817	.01372	.30339	.00854	H1357.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	~~Fe2599~~	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.80756	.23376	1.3636	H613.24	7.2098	498.26	15.274
SDev	.00499	.00074	.0033	1.83	.0110	1.33	.044
%RSD	.61759	.31788	.23965	.29862	.15228	.26602	.28965
#1	.81310	.23434	1.3673	H612.17	7.1972	498.46	15.248
#2	.80617	.23292	1.3611	H615.35	7.2176	499.47	15.325
#3	.80342	.23401	1.3624	H612.20	7.2145	496.84	15.249
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	600.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	~~Ag3280~~	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01716	1.0876	35.614	L-.03282	33.610	.93988	-.06373
SDev	.00235	.0050	.079	.00009	.108	.00018	.11878
%RSD	13.705	.45845	.22225	.26339	.32042	.01960	186.39
				rerun (5)			
#1	.01483	1.0840	35.675	L-.03290	33.666	.93974	.00567
#2	.01954	1.0933	35.642	L-.03283	33.679	.94009	.00402
#3	.01710	1.0856	35.525	L-.03273	33.486	.93980	-.20087
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
				ok 4/6/95			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.07595	.82027	11.691	4.0993	.27079	-.06445	
SDev	.01118	.00209	.070	.0046	.00836	.07993	
%RSD	14.719	.25497	.59450	.11266	3.0892	124.03	
#1	.07591	.81869	11.654	4.0963	.27249	L-.12873	
#2	.08715	.82264	11.771	4.1046	.27817	-.08967	
#3	.06479	.81948	11.648	4.0970	.26170	.02506	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18737	--	--	--	--	--	--
SDev	53.05029	--	--	--	--	--	--

%RSD	.2831262	--	--	--	--	--	--
#1	18740	--	--	--	--	--	--
#2	18683	--	--	--	--	--	--
#3	18789	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-006 Operator: BH
Run Time: 04/05/95 16:17:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07654	-.00216	.05124	-.00073	.12385	.00178	103.13
SDev	.00395	.00806	.00012	.00002	.00264	.00108	.78
%RSD	5.1549	373.37	.23629	3.1317	2.1311	60.753	.75710
#1	.07543	-.00109	.05110	-.00070	.12116	.00138	102.23
#2	.07327	.00532	.05132	-.00073	.12395	.00096	103.50
#3	.08092	-.01070	.05130	-.00074	.12644	.00300	103.65
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00781	.00428	-.00320	.14996	.00597	41.053	.40596
SDev	.00194	.00071	.00000	.03664	.00677	.144	.00236
%RSD	24.882	16.521	.03762	24.436	113.52	.34972	.58048
#1	.00568	.00346	-.00320	.18944	.00720	40.887	.40332
#2	.00826	.00468	-.00320	.14343	-.00134	41.135	.40673
#3	.00949	.00469	-.00320	.11702	.01204	41.136	.40785
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00908	.00463	9.2691	-.00210	26.372	.15907	-.03620
SDev	.00265	.00102	.0164	.00179	.031	.00015	.05200
%RSD	29.216	22.053	.17720	84.991	.11926	.09110	143.67
#1	.00738	.00360	9.2625	-.00285	26.389	.15895	-.02245
#2	.01213	.00466	9.2878	-.00006	26.335	.15924	.00755
#3	.00772	.00564	9.2571	-.00340	26.390	.15904	-.09369
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02887	.00152	.46288	.00245	-.00828	.04156

SDev	.00135	.00041	.00704	.00018	.00826	.02203
%RSD	4.6822	27.240	1.5202	7.2291	99.689	52.996
#1	-.03040	.00106	.45529	.00265	-.01616	.01801
#2	-.02838	.00161	.46918	.00235	-.00900	.06165
#3	-.02783	.00187	.46418	.00234	.00031	.04503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19409	--	--	--	--	--	--
SDev	318.4405	--	--	--	--	--	--
%RSD	1.640656	--	--	--	--	--	--
#1	19770	--	--	--	--	--	--
#2	19291	--	--	--	--	--	--
#3	19167	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-007 Operator: BH
Run Time: 04/05/95 16:20:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	221.44	k-.35383	8.4826	k.01387	k.45850	k.01737	S5568.0
SDev	.24	.01108	.0047	.00005	.00479	.00623	19.2
%RSD	.10896	3.1304	.05515	.33460	1.0449	35.839	.34483
#1	221.68	k-.36519	8.4865	k.01386	k.46331	k.01481	S5563.0
#2	221.45	k-.35324	8.4774	k.01392	k.45373	k.02447	S5589.2
#3	221.20	k-.34307	8.4840	k.01383	k.45847	k.01284	S5551.8
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.99719	k.49097	k2.5961	S4373.4	k1.3223	k835.50	k72.024
SDev	.00309	.00214	.0042	15.1	.0208	1.29	.120
%RSD	.30982	.43645	.16262	.34468	1.5724	.15415	.16698
#1	k.99376	k.48852	k2.6009	S4369.4	k1.3024	k834.46	k71.929
#2	k.99975	k.49248	k2.5943	S4390.0	k1.3207	k836.94	k72.159
#3	k.99808	k.49192	k2.5930	S4360.6	k1.3439	k835.10	k71.983
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC High
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

verified BH 4/6/95

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k-.01307	k1.0792	50.274	k.83052	k32.420	1.2150	k-.06737
SDev	.00592	.0030	.196	.00298	.034	.0002	.02317
%RSD	45.298	.27704	.38974	.35862	.10515	.01421	34.396
#1	k-.01704	k1.0826	50.498	k.82858	k32.459	1.2151	k-.05885
#2	k-.01590	k1.0781	50.194	k.83395	k32.396	1.2152	k-.09359
#3	k-.00627	k1.0769	50.131	k.82904	k32.405	1.2148	k-.04966
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k-.17058	k.90100	k6.4860	k9.2371	k-.06917	k-3.3535
SDev	.02166	.00162	.0111	.0068	.01306	.0579
%RSD	12.698	.17992	.17157	.07351	18.888	1.7278
#1	k-.18919	k.90285	k6.4733	k9.2338	k-.05414	k-3.4120
#2	k-.17575	k.89984	k6.4906	k9.2449	k-.07779	k-3.3525
#3	k-.14681	k.90031	k6.4941	k9.2326	k-.07558	k-3.2961
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18043	--	--	--	--	--	--
SDev	62.13158	--	--	--	--	--	--
%RSD	.3443592	--	--	--	--	--	--
#1	18059	--	--	--	--	--	--
#2	17974	--	--	--	--	--	--
#3	18095	--	--	--	--	--	--

BH 4/6/95

Method: 95GI580 Sample Name: 9503G001-008 Operator: BH
Run Time: 04/05/95 16:23:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08416	-.00767	.05795	-.00048	.10239	.00210	87.044
SDev	.01345	.00493	.00070	.00019	.00023	.00299	.361
%RSD	15.985	64.288	1.2114	39.528	.22805	142.12	.41460
#1	.09967	-.00951	.05863	-.00037	.10217	.00356	87.210
#2	.07580	-.01140	.05723	-.00069	.10237	-.00133	86.629
#3	.07699	-.00208	.05799	-.00037	.10264	.00408	87.291
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00166	.00521	-.00320	.42230	.01063	39.933	.86795
SDev	.00551	.00210	.00000	.10776	.01268	.093	.00462
%RSD	331.21	40.284	.00915	25.518	119.27	.23296	.53285
#1	.00771	.00579	-.00320	.54089	.02464	39.856	.87304
#2	-.00309	.00288	-.00320	.39563	-.00005	40.036	.86402
#3	.00037	.00695	-.00320	.33037	.00730	39.905	.86678
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00963	.00564	15.478	-.00107	21.750	.13708	-.03971
SDev	.00110	.00309	.045	.00094	.071	.00013	.02468
%RSD	11.395	54.816	.28776	87.657	.32781	.09084	62.146
#1	.01077	.00701	15.530	-.00013	21.674	.13697	-.01685
#2	.00952	.00210	15.455	-.00200	21.816	.13722	-.06587
#3	.00859	.00782	15.450	-.00107	21.758	.13707	-.03640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.03007	.00059	.01899	.00410	-.00768	.03545	
SDev	.00062	.00229	.00151	.00054	.01489	.02179	
%RSD	2.0635	389.97	7.9713	13.262	193.90	61.459	
#1	-.02974	.00299	.02021	.00473	.00600	.01830	
#2	-.03078	-.00157	.01946	.00377	-.02353	.05996	
#3	-.02967	.00034	.01729	.00380	-.00550	.02809	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19692	--	--	--	--	--	--
SDev	149.1208	--	--	--	--	--	--
%RSD	.7572657	--	--	--	--	--	--
#1	19613	--	--	--	--	--	--
#2	19864	--	--	--	--	--	--
#3	19599	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-009 Operator: BH
Run Time: 04/05/95 16:25:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	127.64	.02283	4.6270	.00775	.23256	.00429	H1206.1
SDev	.42	.00963	.0161	.00006	.00063	.00171	6.4
%RSD	.33296	42.175	.34820	.79455	.27213	39.778	.45112
#1	127.17	.02150	4.6169	.00769	.23205	.00571	H1201.5
#2	127.99	.03305	4.6455	.00774	.23236	.00477	H1204.6
#3	127.75	.01393	4.6185	.00782	.23327	.00240	H1212.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

N/R

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51516	.28714	1.4788	H810.00	1.0926	507.45	H39.100
SDev	.00449	.00129	.0058	3.46	.0118	1.66	.150
%RSD	.87174	.44941	.39361	.42773	1.0763	.32794	.38403
#1	.51499	.28849	1.4728	H806.55	1.1039	505.55	H38.953
#2	.51075	.28592	1.4844	H809.97	1.0937	508.12	H39.094
#3	.51973	.28702	1.4794	H813.48	1.0804	508.66	H39.253
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

N/R

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00457	.50642	34.307	L-.04226	28.581	.77713	-.06302
SDev	.00404	.00236	.125	.00389	.130	.00209	.10370
%RSD	88.385	.46674	.36464	9.2016	.45415	.26836	164.56
#1	.00835	.50672	34.183	L-.03801	28.461	.77518	.05665
#2	.00032	.50392	34.433	L-.04563	28.719	.77933	-.11910
#3	.00504	.50862	34.305	L-.04315	28.565	.77686	-.12661
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Rerun 5x

BH 4/6/95

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05108	.58336	4.3508	5.6374	.55508	-.03433
SDev	.02440	.00102	.0344	.0178	.01493	.06429
%RSD	47.765	.17542	.78993	.31513	2.6893	187.27
#1	.06165	.58378	4.3195	5.6175	.53941	.01574
#2	.06840	.58411	4.3454	5.6515	.55668	L-.10683

#3	.02318	.58220	4.3876	5.6433	.56914	-.01189
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18609	--	--	--	--	--	--
SDev	157.2461	--	--	--	--	--	--
%RSD	.8449851	--	--	--	--	--	--
#1	18757	--	--	--	--	--	--
#2	18627	--	--	--	--	--	--
#3	18444	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV 3 Operator: BH
Run Time: 04/05/95 16:29:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.325	1.0303	10.155	2.5070	5.1556	2.5320	50.518
SDev	.132	.0226	.008	.0125	.0224	.0192	.240
%RSD	.25718	2.1887	.07492	.49944	.43395	.75722	.47495
#1	51.241	1.0113	10.152	2.4961	5.1383	2.5158	50.596
#2	51.477	1.0552	10.164	2.5207	5.1808	2.5532	50.710
#3	51.258	1.0244	10.151	2.5042	5.1476	2.5271	50.249
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0469	5.1752	5.1215	25.717	5.0795	51.129	5.0277
SDev	.0169	.0247	.0052	.122	.0265	.192	.0144
%RSD	.33536	.47805	.10203	.47503	.52225	.37600	.28674
#1	5.0422	5.1584	5.1208	25.789	5.0622	50.991	5.0210
#2	5.0657	5.2036	5.1270	25.786	5.1100	51.349	5.0442
#3	5.0328	5.1637	5.1166	25.576	5.0662	51.048	5.0179
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1727	5.1401	49.808	1.0173	50.106	5.1036	10.218
SDev	.0216	.0168	.173	.0037	.181	.0066	.036
%RSD	.41805	.32592	.34634	.35932	.36029	.12908	.35440

#1	5.1512	5.1292	49.625	1.0143	49.909	5.0987	10.219
#2	5.1945	5.1594	49.968	1.0213	50.264	5.1111	10.253
#3	5.1724	5.1316	49.829	1.0162	50.145	5.1009	10.181
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0043	5.1407	5.1159	5.1681	5.0704	5.0458
SDev	.0338	.0119	.0393	.0152	.0370	.0026
%RSD	.67539	.23158	.76897	.29339	.72935	.05176
#1	4.9911	5.1315	5.0754	5.1587	5.1057	5.0485
#2	5.0427	5.1541	5.1540	5.1856	5.0735	5.0456
#3	4.9791	5.1363	5.1182	5.1600	5.0320	5.0433
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19604	--	--	--	--	--	--
SDev	103.9423	--	--	--	--	--	--
%RSD	.5302096	--	--	--	--	--	--
#1	19564	--	--	--	--	--	--
#2	19526	--	--	--	--	--	--
#3	19722	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB 3 Operator: BH
Run Time: 04/05/95 16:32:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05009	.01246	.00573	.00021	.00477	.00105	.08410
SDev	.01217	.01147	.00123	.00040	.00060	.00015	.02053
%RSD	24.296	92.023	21.390	190.46	12.663	14.388	24.412
#1	.06072	.02100	.00711	.00067	.00521	.00122	.10669
#2	.03681	-.00057	.00533	-.00001	.00501	.00096	.07903
#3	.05275	.01697	.00476	-.00003	.00408	.00097	.06658
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM

Avge	.00360	.00417	.00175	.05425	.00734	.04039	.00485
SDev	.00115	.00178	.00006	.01308	.00733	.01697	.00132
%RSD	31.905	42.626	3.3626	24.120	99.777	42.026	27.166
#1	.00402	.00610	.00176	.06810	.00010	.05964	.00637
#2	.00448	.00261	.00168	.05255	.00718	.02758	.00417
#3	.00230	.00379	.00180	.04210	.01475	.03395	.00402
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00597	.00771	.00919	.00027	.00929	.00253	-.09965
SDev	.00248	.00394	.03989	.00124	.00465	.00060	.03806
%RSD	41.458	51.107	433.90	458.46	50.088	23.758	38.188
#1	.00749	.01189	.00391	-.00116	.01466	.00308	-.07543
#2	.00731	.00405	-.02779	.00110	.00655	.00263	-.08001
#3	.00312	.00720	.05146	.00087	.00666	.00189	-.14351
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.00078	.00242	.00089	.00374	.00396	.00377	
SDev	.01997	.00120	.00247	.00065	.00515	.02102	
%RSD	2567.7	49.754	278.04	17.437	129.83	557.26	
#1	.01176	.00276	.00352	.00437	.00974	.01946	
#2	.00972	.00341	.00053	.00307	-.00011	.01196	
#3	-.02381	.00108	-.00138	.00377	.00226	-.02011	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19641	--	--	--	--	--	--
SDev	230.6447	--	--	--	--	--	--
%RSD	1.174303	--	--	--	--	--	--
#1	19573	--	--	--	--	--	--
#2	19898	--	--	--	--	--	--
#3	19452	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-010 Operator: BH
Run Time: 04/05/95 16:35:26

Comme
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03767	-.00051	.05395	-.00037	.11218	.00241	91.958
SDev	.00801	.00590	.00032	.00001	.00220	.00158	.258
%RSD	21.272	1147.0	.59282	1.6705	1.9604	65.683	.28033
#1	.04112	-.00733	.05431	-.00037	.11313	.00392	92.239
#2	.04338	.00316	.05370	-.00036	.11375	.00254	91.732
#3	.02851	.00262	.05384	-.00037	.10967	.00077	91.903
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00107	.00492	-.00320	.05794	.01175	42.291	.88787
SDev	.00028	.00160	.00000	.00214	.00639	.028	.00015
%RSD	26.128	32.595	.01549	3.6989	54.394	.06665	.01691
#1	.00077	.00319	-.00320	.06037	.01621	42.268	.88780
#2	.00111	.00636	-.00320	.05715	.00443	42.283	.88778
#3	.00132	.00521	-.00320	.05631	.01461	42.323	.88805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00933	.00759	15.074	-.00106	24.348	.15119	-.10262
SDev	.00056	.00360	.009	.00150	.052	.00063	.09868
%RSD	6.0494	47.430	.05970	141.99	.21497	.41615	96.158
#1	.00868	.00604	15.081	-.00278	24.398	.15141	-.19752
#2	.00963	.01171	15.077	.00001	24.294	.15168	-.00055
#3	.00967	.00503	15.064	-.00041	24.353	.15048	-.10979
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01335	.00099	.02129	.00247	-.00238	.02501
SDev	.01365	.00096	.00186	.00082	.01551	.01762
%RSD	102.23	96.762	8.7407	33.266	651.27	70.472
#1	-.02906	.00084	.02295	.00278	.00822	.04286
#2	-.00434	.00202	.02165	.00308	.00482	.00762
#3	-.00666	.00012	.01928	.00153	-.02018	.02455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19589	--	--	--	--	--	--
SDev	117.2348	--	--	--	--	--	--
%RSD	.5984727	--	--	--	--	--	--
#1	19457	--	--	--	--	--	--
#2	19681	--	--	--	--	--	--
#3	19629	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-011 Operator: BH
Run Time: 04/05/95 16:38:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	416.88	k-.10906	3.1749	k.02550	k1.0793	k.05069	S-.10962
SDev	.29	.26054	.0036	.00017	.0891	.01077	.00030
%RSD	.07030	238.90	.11361	.66746	8.2588	21.241	.27223
#1	417.20	k-.40916	3.1715	k.02565	k1.1821	k.06274	S-.10996
#2	416.79	k.02258	3.1787	k.02532	1.0246	k.04735	S-.10946
#3	416.63	k.05940	3.1746	k.02552	1.0311	k.04199	S-.10943
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k1.7506	k.49542	k2.8302	S2361.5	k1.2882	k2819.6	k38.099
SDev	.1186	.00493	.0053	2023.8	.3369	11.8	.320
%RSD	6.7730	.99458	.18847	85.698	26.149	.42002	.84063
#1	k1.8868	k.50050	k2.8355	S4698.4	k.90004	k2830.8	k38.448
#2	k1.6699	k.49066	k2.8303	H1189.0	k1.4612	H2807.2	k37.819
#3	k1.6952	k.49509	k2.8248	H1197.2	k1.5035	H2820.8	k38.030
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC High
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.05949	k1.3429	45.663	k.18905	k91.068	3.4505	k-.23317
SDev	.00622	.1808	.126	.56450	.175	.0034	.12862
%RSD	10.460	13.461	.27567	298.59	.19217	.09770	55.161
#1	k.05281	k1.5516	45.582	k.84088	k91.033	3.4467	k-.08973
#2	k.06512	k1.2351	45.599	k-.13814	91.257	3.4520	k-.27153
#3	k.06054	k1.2420	45.808	k-.13558	90.912	3.4529	k-.33824

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.02564	k1.1916	k15.152	k4.6483	k.09158	k.44367
SDev	.18918	.0519	.205	.0050	.78656	1.0581
%RSD	737.82	4.3559	1.3531	.10854	858.84	238.49
#1	k-.19107	k1.1319	k14.926	k4.6481	k-.81655	k-.77810
#2	k.11020	k1.2162	k15.204	k4.6434	k.53385	k1.0465
#3	k.15780	k1.2266	k15.326	k4.6535	k.55745	k1.0626

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	16895	--	--	--	--	--	--
SDev	107.2583	--	--	--	--	--	--
%RSD	.6348395	--	--	--	--	--	--
#1	16801	--	--	--	--	--	--
#2	17012	--	--	--	--	--	--
#3	16873	--	--	--	--	--	--

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Method: 95GI580 Sample Name: 9503G001-012 Operator: BH
Run Time: 04/05/95 16:41:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07881	.00255	.04677	-.00059	.54407	.00095	87.363
SDev	.00576	.00465	.00019	.00021	.00553	.00186	.366
%RSD	7.3143	182.36	.40989	34.608	1.0167	195.67	.41912
#1	.08382	.00411	.04699	-.00071	.55041	.00241	87.514
#2	.08009	-.00268	.04665	-.00072	.54158	.00159	87.629
#3	.07251	.00622	.04667	-.00036	.54022	-.00115	86.945

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00477	.00174	-.00197	.17936	.00487	28.789	.10052
SDev	.00440	.00116	.00123	.02669	.00586	.141	.00066
%RSD	92.222	66.463	62.592	14.881	120.33	.48894	.66088
#1	.00636	.00173	-.00074	.20611	.01015	28.926	.10111

#2	.00816	.00290	-.00320	.17925	.00590	28.798	.10066
#3	-.00020	.00059	-.00198	.15273	-.00144	28.645	.09980
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02175	.00678	8.3561	-.00001	62.793	.26602	-.08861
SDev	.00119	.00134	.0810	.00346	.089	.00064	.09501
%RSD	5.4610	19.759	.96976	28906.	.14120	.24096	107.23
#1	.02285	.00534	8.4031	.00196	62.886	.26666	.01960
#2	.02193	.00799	8.4027	.00201	62.710	.26537	-.12702
#3	.02049	.00701	8.2625	-.00401	62.783	.26602	-.15839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	Ag1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.02995	.00381	.00890	.00298	.00319	.02257	
SDev	.00058	.00125	.00085	.00018	.00489	.00460	
%RSD	1.9274	32.744	9.5818	6.2164	153.52	20.354	
#1	-.02996	.00397	.00988	.00319	-.00049	.02784	
#2	-.02937	.00497	.00849	.00288	.00874	.01942	
#3	-.03052	.00249	.00833	.00286	.00131	.02046	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19657	--	--	--	--	--	--
SDev	139.0108	--	--	--	--	--	--
%RSD	.7071821	--	--	--	--	--	--
#1	19659	--	--	--	--	--	--
#2	19517	--	--	--	--	--	--
#3	19795	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-013 Operator: BH
Run Time: 04/05/95 16:44:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	256.26	k.02639	1.6097	k.01237	.40490	k.00668	S .11076
SDev	.50	.02735	.0016	.00009	.00173	.00620	.00002

%RSD	.19668	103.64	.10180	.75204	.42716	92.817	.01727
#1	255.72	k.04868	1.6114	k.01227	.40584	k.00216	S-.11078
#2	256.36	k.03461	1.6081	k.01238	.40595	k.00414	S-.11074
#3	256.71	k-.00413	1.6096	k.01245	.40290	k.01376	S-.11077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.85610	k.35011	k2.2010	H948.09	k1.0108	H1253.3	k23.763
SDev	.00621	.00340	.0034	5.16	.0362	5.3	.120
%RSD	.72494	.97150	.15620	.54417	3.5849	.42674	.50468
#1	k.84939	k.34992	k2.1990	H942.22	k1.0072	H1247.7	k23.627
#2	k.85729	k.34680	k2.1991	H950.14	k.97642	H1253.7	k23.809
#3	k.86163	k.35360	k2.2050	H951.91	k1.0486	H1258.4	k23.853
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.02186	k.83999	40.337	k-.08692	78.151	1.9247	k-.10246
SDev	.00371	.00659	.094	.00225	.070	.0020	.03190
%RSD	16.965	.78446	.23413	2.5926	.08940	.10277	31.131
#1	k.02244	k.83304	40.242	k-.08702	78.228	1.9261	k-.11977
#2	k.01790	k.84078	40.337	k-.08913	78.092	1.9225	k-.12196
#3	k.02525	k.84615	40.431	k-.08463	78.133	1.9256	k-.06565
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	k-.02455	k.84377	k5.1432	k6.4312	k.59159	k.66930	
SDev	.02747	.00264	.0416	.0152	.02803	.04847	
%RSD	111.89	.31268	.80823	.23708	4.7376	7.2422	
#1	k-.00391	k.84097	k5.0958	k6.4136	k.61001	k.72528	
#2	k-.01401	k.84412	k5.1608	k6.4400	k.60543	k.64149	
#3	k-.05573	k.84622	k5.1732	k6.4399	k.55934	k.64114	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

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Avge	18085	--	--	--	--	--	--
SDev	142.1584	--	--	--	--	--	--
%RSD	.7860568	--	--	--	--	--	--
#1	18238	--	--	--	--	--	--
#2	18060	--	--	--	--	--	--
#3	17957	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-014 Operator: BH
Run Time: 04/05/95 16:47:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08692	-.00104	.11424	-.00072	.13644	.00036	100.34
SDev	.02439	.01376	.00006	.00001	.00140	.00127	.76
%RSD	28.055	1329.1	.05058	1.5791	1.0277	357.15	.76120
#1	.10198	.01475	.11422	-.00072	.13749	.00121	100.81
#2	.10000	-.00739	.11430	-.00073	.13485	-.00110	100.74
#3	.05879	-.01047	.11419	-.00071	.13699	.00095	99.455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00100	.00122	-.00320	.25848	-.00968	48.642	.61645
SDev	.00237	.00283	.00000	.05337	.00654	.094	.00416
%RSD	237.86	231.37	.02358	20.647	67.483	.19373	.67446
#1	.00158	.00433	-.00320	.30877	-.00289	48.594	.61884
#2	-.00150	.00052	-.00320	.26418	-.01025	48.751	.61885
#3	-.00307	-.00119	-.00320	.20249	-.01592	48.582	.61164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01941	.00763	4.1437	-.00324	58.135	.43874	-.12580
SDev	.00146	.00347	.0538	.00218	.224	.00033	.05280
%RSD	7.5287	45.475	1.2995	67.267	.38450	.07508	41.975
#1	.01863	.01078	4.1445	-.00234	58.023	.43865	-.06571
#2	.02110	.00820	4.1972	-.00165	57.990	.43846	-.16480
#3	.01850	.00391	4.0895	-.00572	58.393	.43910	-.14689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960

Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02318	.00061	.00951	.00337	.00459	.04437
SDev	.01794	.00085	.00178	.00067	.01000	.02928
%RSD	77.383	138.57	18.692	19.995	217.66	66.005
#1	-.03963	.00013	.01046	.00412	.00444	.01056
#2	-.02586	.00160	.01061	.00317	.01467	.06184
#3	-.00405	.00011	.00746	.00282	-.00533	.06070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19475	--	--	--	--	--	--
SDev	157.1592	--	--	--	--	--	--
%RSD	.8069790	--	--	--	--	--	--
#1	19497	--	--	--	--	--	--
#2	19308	--	--	--	--	--	--
#3	19620	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-015 Operator: BH
Run Time: 04/05/95 16:49:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03748	.00785	.00100	-.00075	.01641	-.00121	.34692
SDev	.00945	.01239	.00035	.00001	.00284	.00211	.06109
%RSD	25.222	157.88	34.903	1.3337	17.305	173.89	17.610
#1	.04746	.02126	.00136	-.00076	.01931	-.00298	.41507
#2	.03634	-.00316	.00100	-.00075	.01630	.00112	.32859
#3	.02865	.00545	.00065	-.00074	.01363	-.00179	.29709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00346	.00125	.00147	.08482	.01259	.11969	.00302
SDev	.00398	.00062	.00076	.01172	.01092	.04317	.00081
%RSD	114.95	49.989	51.788	13.813	86.773	36.068	26.755
#1	.00203	.00144	.00192	.09799	.00022	.13203	.00387
#2	.00795	.00055	.00190	.08092	.01664	.15535	.00292
#3	.00040	.00175	.00059	.07555	.02091	.07169	.00227
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000

Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00097	.00670	.10489	.00032	.20382	.00056	-.18625
SDev	.00112	.00176	.06716	.00272	.02629	.00024	.03757
%RSD	114.61	26.309	64.030	837.75	12.898	42.710	20.169
#1	.00101	.00764	.05108	-.00046	.21631	.00070	-.21082
#2	-.00016	.00466	.18015	.00335	.22154	.00028	-.20493
#3	.00207	.00779	.08342	-.00192	.17362	.00069	-.14301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00889	.00063	.00034	.00121	-.00574	-.00017
SDev	.01366	.00086	.00057	.00068	.00318	.00313
%RSD	153.58	137.45	168.37	56.117	55.287	1888.5
#1	-.00026	.00112	.00070	.00197	-.00213	.00341
#2	-.02464	.00113	-.00032	.00099	-.00807	-.00236
#3	-.00178	-.00037	.00065	.00066	-.00704	-.00155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19076	--	--	--	--	--	--
SDev	131.2593	--	--	--	--	--	--
%RSD	.6880860	--	--	--	--	--	--
#1	18961	--	--	--	--	--	--
#2	19048	--	--	--	--	--	--
#3	19219	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-016 Operator: BH
Run Time: 04/05/95 16:52:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03082	.00421	.00054	-.00027	.04163	.00143	.21329
SDev	.00424	.00779	.00020	.00021	.00025	.00030	.02780
%RSD	13.750	184.95	36.924	78.906	.60338	21.245	13.034
#1	.03129	.00765	.00065	-.00039	.04183	.00161	.20189
#2	.03481	.00969	.00031	-.00039	.04171	.00108	.24498
#3	.02637	-.00471	.00065	-.00002	.04135	.00161	.19301

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00015	.00126	.00392	.05870	-.00130	.05012	.00153
SDev	.00262	.00044	.00079	.00875	.00390	.03202	.00021
%RSD	1783.0	35.042	20.159	14.903	300.39	63.880	13.805
#1	-.00258	.00175	.00438	.05702	.00166	.05045	.00165
#2	.00038	.00116	.00436	.06816	.00016	.08198	.00165
#3	.00264	.00088	.00300	.05091	-.00571	.01794	.00128

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00244	.00521	.01619	-.00130	.23631	.00001	-.12312
SDev	.00193	.00183	.05508	.00038	.00639	.00024	.07939
%RSD	79.084	35.190	340.20	29.184	2.7063	4562.0	64.485
#1	-.00467	.00694	-.04612	-.00170	.23609	-.00013	-.13333
#2	-.00131	.00329	.03631	-.00127	.24281	.00028	-.19692
#3	-.00135	.00540	.05838	-.00094	.23003	-.00013	-.03911

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00783	-.00070	.00161	.00086	.00238	-.01220
SDev	.01753	.00051	.00167	.00048	.00760	.03895
%RSD	224.03	72.757	103.64	55.797	320.03	319.24
#1	-.02804	-.00112	.00065	.00129	.00835	-.01873
#2	.00317	-.00013	.00065	.00034	-.00618	.02960
#3	.00139	-.00086	.00354	.00095	.00495	-.04747

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19355	--	--	--	--	--	--
SDev	190.7625	--	--	--	--	--	--
%RSD	.9855811	--	--	--	--	--	--
#1	19223	--	--	--	--	--	--

#2	19269	--	--	--	--	--	--
#3	19574	--	--	--	--	--	--

Method: 95GI580 Sample Name: CRI Operator: BH
Run Time: 04/05/95 16:55:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.42524	.11815	.41333	.00955	.20818	.01081	2.1081
SDev	.00938	.00629	.00067	.00008	.00340	.00086	.0123
%RSD	2.2053	5.3228	.16232	.80061	1.6336	7.9427	.58238
#1	.43441	.11095	.41393	.00957	.21200	.01176	2.1092
#2	.42563	.12098	.41261	.00961	.20548	.01056	2.1198
#3	.41567	.12253	.41344	.00946	.20707	.01010	2.0953
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01946	.10647	.05300	.22585	.09691	2.0772	.03112
SDev	.00100	.00108	.00118	.00141	.02174	.0340	.00051
%RSD	5.1539	1.0111	2.2222	.62370	22.430	1.6381	1.6400
#1	.02033	.10767	.05353	.22603	Q.12030	2.1164	.03169
#2	.01967	.10559	.05382	.22716	Q.07732	2.0596	.03096
#3	.01836	.10615	.05165	.22436	.09313	2.0556	.03070
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20883	.08751	1.9487	.01931	2.0505	.20850	Q.30741
SDev	.00046	.00413	.0107	.00128	.0139	.00030	.13958
%RSD	.22150	4.7249	.55059	6.6168	.67788	.14564	45.405
#1	.20859	.09222	1.9537	.01886	2.0660	.20871	Q.20961
#2	.20855	.08583	1.9559	.02076	2.0391	.20815	Q.24536
#3	.20937	.08447	1.9363	.01832	2.0464	.20863	.46725
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18716	.10376	.04236	.20961	.20813	.19464
SDev	.00375	.00137	.00093	.00073	.01632	.01026
%RSD	2.0045	1.3187	2.2000	.34754	7.8418	5.2709

#1	.18698	.10225	.04343	.21040	.20987	.18282
#2	.19100	.10492	.04171	.20897	.22352	.19987
#3	.18351	.10411	.04194	.20947	.19101	.20123

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19722	--	--	--	--	--	--
SDev	170.0265	--	--	--	--	--	--
%RSD	.8621157	--	--	--	--	--	--
#1	19677	--	--	--	--	--	--
#2	19579	--	--	--	--	--	--
#3	19910	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISA Operator: BH
Run Time: 04/05/95 16:58:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	522.22	.01576	.00230	-.00053	.00396	.00532	502.47
SDev	2.26	.01022	.00040	.00055	.00274	.00311	.80
%RSD	.43198	64.821	17.564	102.65	69.037	58.355	.15962
#1	519.79	.02588	.00207	-.00041	.00436	.00409	501.64
#2	524.24	.00545	.00277	-.00113	.00105	.00886	502.51
#3	522.64	.01595	.00207	-.00005	.00648	.00302	503.25

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00198	.00041	.00455	192.85	.00261	528.59	.00050
SDev	.00136	.00070	.00127	.49	.00455	1.66	.00048
%RSD	68.627	171.65	27.975	.25654	174.09	.31419	97.500
#1	.00355	.00081	.00327	192.29	.00317	526.70	.00102
#2	.00121	.00081	.00582	193.25	-.00219	529.82	.00007
#3	.00118	-.00040	.00455	193.00	.00686	529.24	.00039

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00969	-.00702	-.10996	-.01106	-.00494	.00725	.09850

SDev	.00132	.00200	.04844	.00231	.00774	.00024	.07067
%RSD	13.659	28.416	44.056	20.927	156.82	3.2484	71.743
#1	-.01047	-.00758	-.06877	-.00854	.00196	.00698	.17816
#2	-.01044	-.00481	-.09778	-.01309	-.01331	.00738	.04333
#3	-.00816	-.00868	-.16334	-.01154	-.00346	.00740	.07402
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01064	.00366	-.01865	.01403	-.07125	.13087
SDev	.01707	.00153	.00153	.00021	.02283	.04914
%RSD	160.42	41.685	8.1833	1.5127	32.044	37.548
#1	-.01298	.00519	-.01705	.01387	-.07272	.18430
#2	-.02643	.00213	-.02009	.01394	-.09331	.12071
#3	.00748	.00367	-.01881	.01427	-.04772	.08761
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18810	--	--	--	--	--	--
SDev	35.59494	--	--	--	--	--	--
%RSD	.1892341	--	--	--	--	--	--
#1	18792	--	--	--	--	--	--
#2	18851	--	--	--	--	--	--
#3	18787	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISB Operator: BH
Run Time: 04/05/95 17:01:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	521.03	.00409	.50966	.49317	.00438	1.0125	503.19
SDev	.56	.01706	.00073	.00182	.00299	.0105	2.48
%RSD	.10742	416.88	.14370	.36856	68.294	1.0336	.49222
#1	521.59	.00607	.50992	.49527	.00753	1.0227	506.05
#2	521.05	.02008	.51023	.49212	.00157	1.0130	501.61
#3	520.47	-.01387	.50884	.49212	.00405	1.0018	501.93
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48679	.49101	.52590	193.01	.98038	526.65	.48143
SDev	.00082	.00114	.00196	.74	.01279	1.42	.00230
%RSD	.16933	.23135	.37334	.38344	1.3044	.26888	.47740
#1	.48702	.49213	.52376	193.85	.98804	528.26	.48399
#2	.48588	.49105	.52761	192.68	.98749	526.10	.47954
#3	.48748	.48986	.52633	192.48	.96562	525.60	.48076
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01234	.96764	-.13979	1.0167	-.02776	.00699	.07889
SDev	.00810	.00903	.07042	.0072	.00540	.00016	.06277
%RSD	65.632	.93300	50.380	.71035	19.464	2.2730	79.563
#1	-.02049	.97805	-.20073	1.0247	-.02392	.00680	.11230
#2	-.01223	.96187	-.06269	1.0145	-.03394	.00708	.00649
#3	-.00429	.96301	-.15594	1.0108	-.02541	.00708	.11789
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02663	.50450	.97620	.01282	4.9773	4.9846
SDev	.00417	.00098	.00635	.00018	.0022	.0570
%RSD	15.676	.19448	.65007	1.3919	.04374	1.1425
#1	-.02300	.50501	.98230	.01293	4.9761	5.0489
#2	-.03119	.50337	.97667	.01292	4.9798	4.9645
#3	-.02568	.50511	.96963	.01262	4.9760	4.9405
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value		.50000	1.0000		5.0000	5.0000
Range		.10000	.20000		1.0000	1.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18942	--	--	--	--	--	--
SDev	211.8875	--	--	--	--	--	--
%RSD	1.118632	--	--	--	--	--	--
#1	18697	--	--	--	--	--	--
#2	19064	--	--	--	--	--	--
#3	19064	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/05/95 17:04:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.434	1.0340	10.135	2.4983	5.1421	2.5569	50.477
SDev	.040	.0158	.013	.0092	.0124	.0222	.148
%RSD	.07847	1.5268	.12426	.36804	.24176	.86784	.29416
#1	51.424	1.0191	10.127	2.4877	5.1281	2.5357	50.316
#2	51.400	1.0322	10.128	2.5041	5.1462	2.5550	50.504
#3	51.479	1.0506	10.150	2.5031	5.1518	2.5799	50.609
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0604	5.1960	5.1084	25.582	5.1358	51.238	5.0175
SDev	.0134	.0205	.0121	.046	.0218	.167	.0170
%RSD	.26561	.39489	.23703	.18037	.42376	.32608	.33915
#1	5.0451	5.1737	5.1002	25.540	5.1403	51.132	5.0010
#2	5.0656	5.2000	5.1028	25.575	5.1122	51.150	5.0167
#3	5.0705	5.2142	5.1223	25.632	5.1551	51.430	5.0350
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2051	5.1454	49.790	1.0188	49.941	5.1038	10.193
SDev	.0216	.0210	.164	.0062	.098	.0051	.051
%RSD	.41451	.40857	.32921	.60965	.19702	.09994	.49644
#1	5.1835	5.1238	49.667	1.0120	49.928	5.1013	10.144
#2	5.2051	5.1466	49.976	1.0201	49.849	5.1004	10.190
#3	5.2266	5.1658	49.728	1.0242	50.044	5.1096	10.245
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0324	5.1430	5.1397	5.1601	5.0321	5.0245
SDev	.0253	.0144	.0200	.0109	.0416	.0156
%RSD	.50309	.27967	.38971	.21197	.82614	.30953
#1	5.0034	5.1281	5.1241	5.1493	4.9875	5.0238
#2	5.0436	5.1441	5.1327	5.1599	5.0698	5.0405
#3	5.0502	5.1568	5.1623	5.1712	5.0389	5.0094
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19467	--	--	--	--	--	--
SDev	145.2113	--	--	--	--	--	--
%RSD	.7459231	--	--	--	--	--	--
#1	19505	--	--	--	--	--	--
#2	19590	--	--	--	--	--	--
#3	19307	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB Operator: BH
Run Time: 04/05/95 17:07:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06918	.00807	.00529	.00044	.00559	.00223	.05801
SDev	.00744	.00712	.00139	.00020	.00103	.00200	.01101
%RSD	10.755	88.212	26.322	45.296	18.422	89.959	18.981
#1	.07286	.00374	.00680	.00067	.00608	.00059	.07013
#2	.07407	.00418	.00502	.00032	.00627	.00446	.05529
#3	.06062	.01628	.00405	.00032	.00440	.00163	.04862
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00228	.00359	.00092	.02527	.01313	.05686	.00267
SDev	.00280	.00132	.00185	.00503	.00287	.01187	.00094
%RSD	122.63	36.776	202.20	19.888	21.892	20.876	35.071
#1	.00309	.00496	-.00071	.03085	.01033	.07044	.00370
#2	-.00083	.00232	.00294	.02387	.01297	.04843	.00243
#3	.00458	.00349	.00052	.02110	.01607	.05173	.00188
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00637	.00555	.03355	.00123	.00558	.00281	-.08698
SDev	.00335	.00218	.04231	.00108	.01170	.00063	.05547
%RSD	52.544	39.238	126.09	87.498	209.79	22.289	63.768
#1	.00976	.00555	.03258	.00218	.01909	.00350	-.13940
#2	.00629	.00772	-.00826	.00006	-.00139	.00265	-.09265

#3	.00307	.00337	.07634	.00146	-.00096	.00228	-.02890
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.00923	.00283	.00304	.00312	.00330	.02239	
SDev	.01702	.00102	.00053	.00029	.00175	.01222	
%RSD	184.46	36.170	17.538	9.4328	53.001	54.581	
#1	-.01883	.00398	.00309	.00314	.00381	.01150	
#2	.01042	.00247	.00249	.00340	.00135	.02007	
#3	-.01928	.00203	.00355	.00281	.00474	.03561	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19619	--	--	--	--	--	--
SDev	150.3540	--	--	--	--	--	--
%RSD	.7663825	--	--	--	--	--	--
#1	19488	--	--	--	--	--	--
#2	19783	--	--	--	--	--	--
#3	19585	--	--	--	--	--	--

Analysis Report Summary Thu 04-06-95 11:43:58 AM page 1

Brian J. Hamende / Douglas Lhua

Run 4

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	S0	P10406A	95GI580	04/06/95	10:15		X	IR
2	S	P10406A	95GI580	04/06/95	10:18		X	IR
3	S	P10406A	95GI580	04/06/95	10:20	BH	Q	CONC
4	ICV	P10406A	95GI580	04/06/95	10:23	BH	Q	CONC
5	ICB	P10406A	95GI580	04/06/95	10:26	BH	Q	CONC
6	CRI	P10406A	95GI580	04/06/95	10:29	BH	Q	CONC
7	ISA	P10406A	95GI580	04/06/95	10:32	BH	Q	CONC
8	ISB	P10406A	95GI580	04/06/95	10:35	BH	Q	CONC
9	20%STD	P10406A	95GI580	04/06/95	10:38	BH	Q	CONC
10	50%STD	P10406A	95GI580	04/06/95	10:41	BH	Q	CONC
11	CCV 1	P10406A	95GI580	04/06/95	10:44	BH	Q	CONC
12	CCB	P10406A	95GI580	04/06/95	10:46	BH	Q	CONC
* 13	9503G001-001-5X pb 1	P10406A	95GI580	04/06/95	10:50	BH	S	CONC
14	9503G001-001R-5X 1	P10406A	95GI580	04/06/95	10:53	BH	S	CONC
15	9503G001-001S-5X 1	P10406A	95GI580	04/06/95	10:56	BH	S	CONC
16	9503G001-001L-25X 1	P10406A	95GI580	04/06/95	10:59	BH	S	CONC
17	9503G001-001A-5X 1	P10406A	95GI580	04/06/95	11:02	BH	S	CONC
18	9503G001-003-5X 1	P10406A	95GI580	04/06/95	11:05	BH	S	CONC
19	9503G001-005-5X (Ag only) 1	P10406A	95GI580	04/06/95	11:07	BH	S	CONC
20	9503G001-007-5X 1	P10406A	95GI580	04/06/95	11:10	BH	S	CONC
21	9503G001-009-5X (Ag only) 1	P10406A	95GI580	04/06/95	11:13	BH	S	CONC
22	9503G001-011-5X 1	P10406A	95GI580	04/06/95	11:16	BH	S	CONC
23	CCV 2	P10406A	95GI580	04/06/95	11:19	BH	Q	CONC
24	CCB	P10406A	95GI580	04/06/95	11:22	BH	Q	CONC
25	9503G001-013-5X pb 1	P10406A	95GI580	04/06/95	11:25	BH	S	CONC
26	CRI	P10406A	95GI580	04/06/95	11:28	BH	Q	CONC
27	ISA	P10406A	95GI580	04/06/95	11:31	BH	Q	CONC
28	ISB	P10406A	95GI580	04/06/95	11:34	BH	Q	CONC
29	CCV 3	P10406A	95GI580	04/06/95	11:36	BH	Q	CONC
30	CCB	P10406A	95GI580	04/06/95	11:39	BH	Q	CONC

* prep. 95GI580/CLP

App IX (-

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WESTON Environmental Metrics, Inc.
IC1 - ICAP 1100
CLP Cover Sheet

Raw Run/Filename: P10406A

Analysis Date: 4/6/95

Standard Traceability:

	Source ID
Calibration Standard Source(s) ID:	686 : 690 : 689
	691 : 703 : 713

	Book # - Page - Line
ICV Solution #:	1276 - 69 - 2
CCV Solution #:	1276 - 72 - 4
ICSA Solution #:	1276 - 69 - 4
ICSAB Solution #:	1276 - 69 - 5
CRI Solution #:	1276 - 69 - 3
20% Standard Solution #:	1276 - 68 - 2
50% Standard Solution #:	1276 - 68 - 3

RFW's to Copy: 9503G001

Analyst Signature: Brian L. Hamende / Douglas Lucas Date: 4/6/95

Reviewer Signature: Jodi L Wojcik Date: 4/7/95

P/0406A Brian D. Hamende / Douglas Lucas

Method: 95GI580 Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	.00458	.00005	-.00002	-.00014	.00063	-.00000	.00819
SDev	.00025	.00022	.00003	.00000	.00007	.00017	.00012
%RSD	5.4761	459.13	173.21	.78855	11.996	19291.	1.5055
#1	.00430	.00000	.00000	-.00014	.00056	.00019	.00814
#2	.00479	-.00014	.00000	-.00014	.00062	-.00014	.00811
#3	.00464	.00028	-.00005	-.00014	.00071	-.00005	.00834

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00082	-.00012	.00025	.00017	.00031	.00016	.00039
SDev	.00072	.00031	.00006	.00006	.00038	.00022	.00003
%RSD	88.113	251.78	22.312	32.005	121.79	141.94	7.4270
#1	.00136	-.00028	.00019	.00014	.00037	.00033	.00037
#2	.00109	.00024	.00028	.00024	-.00009	.00024	.00043
#3	.00000	-.00033	.00028	.00014	.00066	-.00009	.00038

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.00011	.00123	.00162	.00168	.00263	.00000	-.02205
SDev	.00011	.00018	.00024	.00027	.00019	.00000	.00064
%RSD	99.276	14.655	14.789	16.013	7.4093	.00000	2.9096
#1	.00005	.00140	.00145	.00187	.00281	.00000	-.02137
#2	.00005	.00104	.00152	.00180	.00242	.00000	-.02215
#3	.00024	.00123	.00189	.00137	.00265	.00000	-.02264

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.00151	.00013	.00033	.00008	-.00049	.00101
SDev	.00012	.00015	.00012	.00003	.00077	.00088
%RSD	7.8431	120.92	36.932	34.321	157.93	86.561
#1	.00159	.00019	.00047	.00009	-.00014	.00005
#2	.00157	.00024	.00024	.00005	.00005	.00176
#3	.00137	-.00005	.00028	.00009	-.00137	.00123

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21194	--	--	--	--	--	--
SDev	167.8601	--	--	--	--	--	--
%RSD	.7920169	--	--	--	--	--	--
#1	21387	--	--	--	--	--	--
#2	21082	--	--	--	--	--	--
#3	21113	--	--	--	--	--	--

Method: 95GI580 Standard: S

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	3.9426	.18256	2.9773	.71553	1.2415	.68746	7.3489
SDev	.0036	.00155	.0085	.00086	.0016	.00297	.0414
%RSD	.09176	.84904	.28454	.12054	.12796	.43220	.56314

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#1	3.9399	.18084	2.9799	.71455	1.2398	.68585	7.3065
#2	3.9413	.18300	2.9679	.71586	1.2429	.69088	7.3892
#3	3.9467	.18385	2.9842	.71618	1.2417	.68563	7.3510
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	2.4571	1.6428	.40858	4.7677	.31801	1.8664	1.5981
SDev	.0116	.0074	.00050	.0140	.00245	.0017	.0056
%RSD	.47205	.44784	.12228	.29276	.77158	.09216	.35168
#1	2.4454	1.6352	.40845	4.7524	.31573	1.8644	1.5918
#2	2.4686	1.6499	.40816	4.7796	.32061	1.8676	1.6026
#3	2.4574	1.6434	.40913	4.7712	.31769	1.8671	1.6000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.42177	1.1805	.58356	.44577	5.0152	1.2411	.20690
SDev	.00196	.0030	.00138	.00199	.0103	.0024	.00043
%RSD	.46463	.25409	.23715	.44667	.20475	.19703	.20620
#1	.41962	1.1774	.58402	.44377	5.0240	1.2411	.20739
#2	.42345	1.1834	.58200	.44775	5.0039	1.2386	.20666
#3	.42224	1.1806	.58465	.44580	5.0178	1.2435	.20664
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Avge	.16056	2.0227	.95952	1.5984	.58368	.58290	
SDev	.00166	.0045	.00777	.0027	.00093	.00480	
%RSD	1.0309	.22427	.80991	.16720	.15919	.82354	
#1	.15894	2.0178	.95136	1.5954	.58263	.57923	
#2	.16225	2.0267	.96684	1.5992	.58400	.58833	
#3	.16048	2.0235	.96035	1.6006	.58441	.58113	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20720	--	--	--	--	--	--
SDev	169.3409	--	--	--	--	--	--
%RSD	.8172691	--	--	--	--	--	--
#1	20869	--	--	--	--	--	--
#2	20536	--	--	--	--	--	--
#3	20756	--	--	--	--	--	--

Method: 95GI580 Sample Name: S Operator: BH
Run Time: 04/06/95 10:20:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	100.33	2.0239	20.087	5.0377	10.058	5.0669	101.28
SDev	.07	.0331	.043	.0079	.016	.0355	.49
%RSD	.07418	1.6331	.21482	.15695	.15902	.70059	.48809

#1	100.35	2.0065	20.073	5.0347	10.047	5.0432	100.92
#2	100.39	2.0620	20.054	5.0467	10.077	5.1077	101.85
#3	100.24	2.0032	20.136	5.0318	10.052	5.0499	101.08
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.00	2.0000	20.000	5.0000	10.000	5.0000	100.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.086	10.095	10.014	50.485	10.111	100.68	10.129
SDev	.050	.028	.011	.173	.020	.06	.038
%RSD	.49522	.27931	.10998	.34267	.19695	.05585	.37382
#1	10.052	10.082	10.022	50.348	10.097	100.62	10.094
#2	10.143	10.128	10.019	50.680	10.134	100.71	10.169
#3	10.063	10.077	10.002	50.428	10.101	100.72	10.124
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	50.000	10.000	100.00	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.099	10.107	100.09	2.0195	99.954	10.042	20.130
SDev	.034	.042	.09	.0034	.117	.010	.043
%RSD	.33420	.41967	.08593	.16789	.11739	.10453	.21375
#1	10.077	10.075	100.04	2.0166	100.08	10.039	20.165
#2	10.137	10.155	100.19	2.0232	99.846	10.034	20.144
#3	10.081	10.091	100.05	2.0186	99.937	10.054	20.082
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	100.00	2.0000	100.00	10.000	20.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	10.158	10.081	10.118	10.065	10.083	10.093	
SDev	.062	.025	.044	.013	.034	.125	
%RSD	.60733	.24400	.43542	.12647	.33612	1.2419	
#1	10.119	10.058	10.080	10.053	10.049	9.9484	
#2	10.229	10.107	10.167	10.078	10.117	10.172	
#3	10.126	10.077	10.109	10.064	10.082	10.159	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	10.000	10.000	10.000	10.000	10.000	10.000	
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20500	--	--	--	--	--	--
SDev	150.2431	--	--	--	--	--	--

%RSD	.7328933	--	--	--	--	--	--
#1	20533	--	--	--	--	--	--
#2	20336	--	--	--	--	--	--
#3	20631	--	--	--	--	--	--

Method: 95GI580 Sample Name: ICV Operator: BH
Run Time: 04/06/95 10:23:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	39.463	.81480	8.0679	2.0161	4.0381	2.0392	40.856
SDev	.116	.01067	.0140	.0073	.0226	.0050	.055
%RSD	.29509	1.3098	.17316	.36056	.56055	.24313	.13465
#1	39.524	.81174	8.0623	2.0192	4.0418	2.0408	40.919
#2	39.328	.80599	8.0577	2.0079	4.0139	2.0337	40.816
#3	39.536	.82667	8.0838	2.0214	4.0588	2.0432	40.834
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	40.000	.80000	8.0000	2.0000	4.0000	2.0000	40.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1291	4.1432	4.0387	20.373	4.0646	40.180	4.0511
SDev	.0076	.0071	.0137	.042	.0099	.129	.0058
%RSD	.18407	.17045	.33859	.20752	.24419	.32163	.14277
#1	4.1372	4.1466	4.0443	20.362	4.0756	40.240	4.0519
#2	4.1222	4.1351	4.0231	20.337	4.0619	40.032	4.0450
#3	4.1280	4.1480	4.0486	20.420	4.0563	40.268	4.0565
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	20.000	4.0000	40.000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0753	4.1370	39.395	.79824	38.805	4.0287	8.0098
SDev	.0157	.0028	.108	.00247	.127	.0088	.0759
%RSD	.38468	.06868	.27506	.30912	.32850	.21962	.94756
#1	4.0673	4.1374	39.420	.80029	38.788	4.0284	7.9344
#2	4.0653	4.1340	39.277	.79894	38.687	4.0200	8.0862
#3	4.0934	4.1397	39.489	.79550	38.940	4.0377	8.0088
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	40.000	.80000	40.000	4.0000	8.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1071	4.1002	4.0296	4.0591	3.9967	4.0618

SDev	.0033	.0069	.0200	.0092	.0295	.0661
%RSD	.08101	.16797	.49714	.22724	.73933	1.6285
#1	4.1082	4.1026	4.0525	4.0617	4.0285	4.1232
#2	4.1034	4.0924	4.0212	4.0489	3.9915	3.9918
#3	4.1098	4.1055	4.0152	4.0668	3.9701	4.0704
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21345	--	--	--	--	--	--
SDev	116.6290	--	--	--	--	--	--
%RSD	.5464084	--	--	--	--	--	--
#1	21210	--	--	--	--	--	--
#2	21413	--	--	--	--	--	--
#3	21411	--	--	--	--	--	--

Method: 95GI580 Sample Name: ICB Operator: BH
Run Time: 04/06/95 10:26:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02990	.01767	.00574	.00144	.01456	.00262	.02638
SDev	.01114	.00376	.00111	.00039	.00462	.00163	.00459
%RSD	37.247	21.291	19.401	27.066	31.751	62.354	17.401
#1	.04265	.02123	.00690	.00166	.01979	.00263	.03075
#2	.02207	.01373	.00468	.00099	.01102	.00098	.02160
#3	.02499	.01804	.00563	.00166	.01288	.00424	.02677
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00785	.00233	.00133	.01206	.01610	.01151	.00309
SDev	.00097	.00045	.00068	.00157	.01768	.01271	.00073
%RSD	12.353	19.517	51.075	13.001	109.87	110.45	23.728
#1	.00805	.00192	.00091	.01385	-.00387	.02005	.00387
#2	.00679	.00224	.00098	.01094	.02235	-.00310	.00241
#3	.00869	.00282	.00212	.01138	.02981	.01758	.00299
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00771	.00514	.00988	.00279	.00906	.00299	-.06235
SDev	.00005	.00225	.02989	.00058	.01265	.00097	.08286
%RSD	.69783	43.770	302.50	20.771	139.62	32.392	132.89
#1	.00766	.00771	-.02191	.00346	.00621	.00388	-.11041
#2	.00777	.00417	.01415	.00248	-.00193	.00196	-.10996
#3	.00771	.00354	.03741	.00243	.02288	.00312	.03332
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00548	.00355	.00160	.00374	.01019	-.01384
SDev	.00049	.00118	.00054	.00103	.00583	.00589
%RSD	8.9346	33.115	33.765	27.478	57.251	42.576
#1	.00502	.00297	.00106	.00493	.01660	-.01998
#2	.00599	.00277	.00214	.00316	.00878	-.00824
#3	.00542	.00490	.00160	.00314	.00519	-.01330
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20662	--	--	--	--	--	--
SDev	105.3106	--	--	--	--	--	--
%RSD	.5096910	--	--	--	--	--	--
#1	20762	--	--	--	--	--	--
#2	20552	--	--	--	--	--	--
#3	20671	--	--	--	--	--	--

Method: 95GI580 Sample Name: CRI Operator: BH
Run Time: 04/06/95 10:29:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.41302	.13464	.40955	.01064	.21525	Q.01203	2.0959
SDev	.00355	.00310	.00009	.00005	.00188	.00378	.0062
%RSD	.85847	2.3051	.02233	.42622	.87549	31.398	.29594
#1	.41144	.13129	.40954	.01059	.21697	Q.01482	2.0900
#2	.41709	.13522	.40964	.01067	.21323	Q.01353	2.1024
#3	.41055	.13741	.40946	.01067	.21554	Q.00773	2.0953
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass

Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.02414	.10602	.05031	.20937	.10942	2.1008	.03160
SDev	.00116	.00100	.00156	.00069	.01704	.0112	.00034
%RSD	4.8048	.94527	3.0961	.32833	15.574	.53539	1.0802
#1	Q.02545	.10645	.04920	.20892	.11448	2.1105	.03142
#2	.02369	.10673	.05209	.21016	Q.12335	2.0885	.03139
#3	.02327	.10487	.04964	.20903	.09042	2.1034	.03200
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21255	.08743	1.9580	.02211	1.9937	.20641	Q.28461
SDev	.00149	.00067	.0605	.00090	.0020	.00007	.05777
%RSD	.70095	.76173	3.0874	4.0565	.10279	.03261	20.299
#1	.21100	.08670	1.9008	.02115	1.9941	.20635	.35117
#2	.21397	.08761	2.0212	.02227	1.9915	.20648	Q.25531
#3	.21269	.08799	1.9521	.02292	1.9955	.20639	Q.24737
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.20420	.10615	.04163	.20992	.21413	.18654	
SDev	.00138	.00021	.00026	.00038	.01149	.01471	
%RSD	.67482	.19605	.61945	.18056	5.3673	7.8845	
#1	.20261	.10598	.04156	.20960	.20850	.18374	
#2	.20505	.10638	.04142	.20981	.20654	.17343	
#3	.20493	.10609	.04192	.21034	.22735	.20245	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.20000	.10000	.04000	.20000	.20000	.20000	
Range	20.000	20.000	20.000	20.000	20.000	20.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20234	--	--	--	--	--	--
SDev	95.08067	--	--	--	--	--	--
%RSD	.4698977	--	--	--	--	--	--
#1	20344	--	--	--	--	--	--
#2	20175	--	--	--	--	--	--
#3	20184	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISA Operator: BH
Run Time: 04/06/95 10:32:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	521.66	.00378	.00244	-.00023	.01074	.00477	514.45
SDev	.81	.01796	.00021	.00042	.00213	.00654	2.02
%RSD	.15507	475.12	8.7896	183.90	19.789	137.00	.39270
#1	522.08	-.00305	.00257	-.00048	.00838	.01022	514.39
#2	522.17	-.00976	.00220	-.00046	.01251	-.00248	512.46
#3	520.73	.02416	.00256	.00026	.01133	.00657	516.50
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00390	-.00011	.01387	195.90	.01661	535.49	-.00002
SDev	.00329	.00217	.00085	.20	.00239	.49	.00052
%RSD	84.478	1936.8	6.1028	.10446	14.392	.09161	2219.5
#1	.00699	-.00183	.01439	195.91	.01475	536.05	.00007
#2	.00427	-.00084	.01289	195.69	.01577	535.13	-.00058
#3	.00043	.00233	.01432	196.10	.01930	535.29	.00044
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00843	-.01225	-.15875	-.01291	-.00864	.00744	.03877
SDev	.00382	.00156	.05241	.00174	.00287	.00021	.07529
%RSD	45.367	12.737	33.013	13.436	33.219	2.8937	194.21
#1	-.01260	-.01196	-.09823	-.01161	-.01154	.00719	.09411
#2	-.00509	-.01394	-.18937	-.01488	-.00581	.00753	.06915
#3	-.00759	-.01086	-.18864	-.01225	-.00855	.00759	-.04697
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00642	.00516	-.01933	.01541	.02000	.11731
SDev	.02916	.00098	.00067	.00052	.03382	.05295
%RSD	454.04	19.012	3.4919	3.3671	169.10	45.137
#1	-.01497	.00598	-.02009	.01482	-.01201	.09408
#2	-.00540	.00407	-.01882	.01581	.01663	.17791

#3	.03964	.00541	-.01907	.01561	.05537	.07996	
Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19157	--	--	--	--	--	--
SDev	111.0871	--	--	--	--	--	--
%RSD	.5798670	--	--	--	--	--	--
#1	19066	--	--	--	--	--	--
#2	19281	--	--	--	--	--	--
#3	19125	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISB Operator: BH
Run Time: 04/06/95 10:35:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	520.90	-.00363	.51134	.50152	.00911	1.0180	512.79
SDev	1.38	.03175	.00010	.00193	.00073	.0091	2.52
%RSD	.26520	873.45	.02007	.38478	7.9749	.89701	.49148
#1	521.88	-.01517	.51145	.50346	.00974	1.0267	514.92
#2	521.49	-.02800	.51125	.50151	.00929	1.0189	513.45
#3	519.32	.03227	.51132	.49960	.00831	1.0085	510.01
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48483	.49191	.52770	195.16	.99246	533.12	.48760
SDev	.00426	.00129	.00135	.76	.02559	2.13	.00164
%RSD	.87773	.26299	.25531	.38847	2.5784	.40007	.33703
#1	.48855	.49337	.52903	195.83	1.0146	534.66	.48932
#2	.48019	.49090	.52772	195.33	.99828	534.01	.48745
#3	.48576	.49146	.52634	194.34	.96446	530.68	.48604
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01853	.96470	-.10064	1.0242	-.02962	.00686	.09653
SDev	.00593	.00575	.04847	.0072	.00666	.00007	.03019
%RSD	31.980	.59580	48.161	.70395	22.468	1.0764	31.278

#1	-.02314	.96833	-.08179	1.0303	-.02430	.00692	.07273
#2	-.02061	.96770	-.06443	1.0261	-.02748	.00690	.08637
#3	-.01185	.95808	-.15570	1.0162	-.03709	.00678	.13050
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03114	.50874	.96734	.01541	4.9907	5.0840	
SDev	.01537	.00123	.00651	.00034	.0293	.0194	
%RSD	49.346	.24236	.67314	2.1917	.58650	.38207	
#1	.02791	.50989	.96554	.01545	5.0051	5.0650	
#2	.01765	.50888	.97456	.01573	4.9570	5.1038	
#3	.04787	.50744	.96191	.01505	5.0100	5.0831	
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	
Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19359	--	--	--	--	--	--
SDev	203.1477	--	--	--	--	--	--
%RSD	1.049371	--	--	--	--	--	--
#1	19219	--	--	--	--	--	--
#2	19266	--	--	--	--	--	--
#3	19592	--	--	--	--	--	--

Method: 95GI580 Sample Name: 20%STD Operator: BH
Run Time: 04/06/95 10:38:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.960	.41272	4.0022	1.0237	2.0272	1.0311	20.385
SDev	.061	.00989	.0018	.0006	.0003	.0011	.059
%RSD	.30811	2.3966	.04472	.05866	.01635	.10281	.28932
#1	20.031	.41543	4.0001	1.0230	2.0269	1.0299	20.440
#2	19.931	.42098	4.0032	1.0238	2.0276	1.0320	20.392
#3	19.919	.40176	4.0033	1.0242	2.0272	1.0314	20.323
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	.40000	4.0000	1.0000	2.0000	1.0000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM

Avge	2.0438	2.0644	2.0095	10.361	2.0754	20.207	2.0338
SDev	.0034	.0059	.0070	.030	.0127	.096	.0016
%RSD	.16562	.28341	.35075	.28663	.61153	.47610	.08111
#1	2.0437	2.0710	2.0095	10.393	2.0847	20.306	2.0344
#2	2.0405	2.0623	2.0025	10.356	2.0804	20.202	2.0351
#3	2.0472	2.0599	2.0166	10.334	2.0609	20.114	2.0320
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	10.000	2.0000	20.000	2.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0521	2.0744	19.626	.41048	19.815	2.0221	3.9990
SDev	.0124	.0021	.075	.00215	.031	.0018	.0311
%RSD	.60338	.09901	.38187	.52499	.15668	.08661	.77867
#1	2.0381	2.0763	19.585	.40829	19.781	2.0201	3.9792
#2	2.0570	2.0722	19.581	.41260	19.843	2.0235	4.0349
#3	2.0613	2.0748	19.713	.41055	19.820	2.0227	3.9829
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	20.000	.40000	20.000	2.0000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	2.0264	2.0290	2.0555	2.0351	2.0036	1.9638	
SDev	.0104	.0017	.0097	.0005	.0045	.0178	
%RSD	.51499	.08146	.46967	.02422	.22368	.90458	
#1	2.0283	2.0285	2.0492	2.0356	2.0073	1.9703	
#2	2.0151	2.0308	2.0666	2.0351	1.9986	1.9774	
#3	2.0357	2.0277	2.0506	2.0346	2.0049	1.9437	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20918	--	--	--	--	--	--
SDev	66.60580	--	--	--	--	--	--
%RSD	.3184189	--	--	--	--	--	--
#1	20849	--	--	--	--	--	--
#2	20922	--	--	--	--	--	--
#3	20982	--	--	--	--	--	--

Method: 95GI580 Sample Name: 50%STD Operator: BH
Run Time: 04/06/95 10:41:09

Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.352	1.0211	10.186	2.5773	5.1131	2.5644	50.926
SDev	.098	.0071	.005	.0081	.0179	.0179	.077
%RSD	.19481	.69118	.04797	.31324	.34974	.69878	.15188
#1	50.283	1.0218	10.181	2.5739	5.0996	2.5850	50.967
#2	50.465	1.0137	10.191	2.5865	5.1334	2.5518	50.974
#3	50.309	1.0278	10.185	2.5714	5.1063	2.5566	50.837
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0935	5.1319	5.0644	25.703	5.1113	51.035	5.1017
SDev	.0032	.0041	.0114	.014	.0189	.099	.0003
%RSD	.06380	.07983	.22577	.05298	.37071	.19418	.00514
#1	5.0920	5.1367	5.0568	25.703	5.1101	51.074	5.1019
#2	5.0972	5.1296	5.0775	25.717	5.1309	51.109	5.1014
#3	5.0912	5.1295	5.0588	25.690	5.0931	50.923	5.1017
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1316	5.1483	50.261	1.0259	50.728	5.1255	10.267
SDev	.0110	.0091	.108	.0024	.125	.0070	.058
%RSD	.21492	.17626	.21547	.22907	.24715	.13698	.56370
#1	5.1189	5.1538	50.231	1.0234	50.596	5.1181	10.332
#2	5.1373	5.1378	50.382	1.0280	50.845	5.1321	10.245
#3	5.1386	5.1533	50.171	1.0265	50.744	5.1262	10.223
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0999	5.0839	5.1191	5.1171	5.0366	5.0529
SDev	.0230	.0076	.0114	.0086	.0364	.0266
%RSD	.45130	.14877	.22360	.16835	.72220	.52732
#1	5.1162	5.0853	5.1218	5.1184	5.0053	5.0411
#2	5.1099	5.0907	5.1290	5.1250	5.0765	5.0834
#3	5.0736	5.0758	5.1066	5.1079	5.0280	5.0342
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20900	--	--	--	--	--	--
SDev	69.32772	--	--	--	--	--	--
%RSD	.3317063	--	--	--	--	--	--
#1	20838	--	--	--	--	--	--
#2	20888	--	--	--	--	--	--
#3	20975	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/06/95 10:44:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.925	1.0384	10.105	2.5244	5.1433	2.5707	51.026
SDev	.083	.0244	.017	.0052	.0125	.0129	.254
%RSD	.16257	2.3496	.16935	.20654	.24217	.50358	.49707
#1	51.020	1.0259	10.109	2.5301	5.1503	2.5740	50.950
#2	50.887	1.0228	10.120	2.5197	5.1290	2.5564	50.818
#3	50.868	1.0665	10.086	2.5236	5.1508	2.5816	51.309
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0478	5.2026	5.0952	25.784	5.1058	51.305	5.0885
SDev	.0225	.0179	.0076	.079	.0300	.062	.0149
%RSD	.44629	.34357	.14976	.30567	.58674	.12022	.29230
#1	5.0419	5.2034	5.1021	25.773	5.1144	51.365	5.0875
#2	5.0288	5.1843	5.0870	25.711	5.0725	51.242	5.0741
#3	5.0727	5.2200	5.0964	25.867	5.1305	51.309	5.1038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1844	5.1622	49.442	1.0162	49.317	5.0809	10.210
SDev	.0176	.0182	.035	.0051	.096	.0031	.087
%RSD	.33999	.35239	.07007	.50322	.19562	.06127	.84794
#1	5.1838	5.1646	49.438	1.0115	49.413	5.0834	10.197
#2	5.1671	5.1429	49.410	1.0154	49.316	5.0818	10.303
#3	5.2024	5.1791	49.479	1.0217	49.220	5.0774	10.131

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.1048	5.1644	5.1121	5.1612	5.0291	5.0590	
SDev	.0522	.0089	.0277	.0049	.0160	.0337	
%RSD	1.0222	.17201	.54266	.09488	.31808	.66555	
#1	5.0745	5.1652	5.1120	5.1625	5.0475	5.0305	
#2	5.0749	5.1551	5.0843	5.1558	5.0189	5.0504	
#3	5.1651	5.1728	5.1398	5.1653	5.0208	5.0962	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20509	--	--	--	--	--	--
SDev	168.1676	--	--	--	--	--	--
%RSD	.8199829	--	--	--	--	--	--
#1	20500	--	--	--	--	--	--
#2	20681	--	--	--	--	--	--
#3	20345	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB Operator: BH
Run Time: 04/06/95 10:46:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05362	.01776	.00618	.00121	.01327	.00149	.04148
SDev	.00351	.00497	.00186	.00071	.00140	.00026	.00430
%RSD	6.5552	28.002	30.072	58.775	10.578	17.509	10.378
#1	.05561	.01762	.00828	.00201	.01377	.00178	.04292
#2	.04956	.01286	.00476	.00099	.01168	.00128	.03664
#3	.05569	.02281	.00550	.00064	.01435	.00141	.04488
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00556	.00456	.00149	.01509	.00150	.02064	.00341
SDev	.00433	.00136	.00176	.00460	.02263	.01835	.00075
%RSD	77.888	29.832	118.32	30.472	1507.6	88.868	21.866
#1	.00837	.00610	.00337	.02014	-.00994	.02817	.00424

#2	.00775	.00408	-.00011	.01115	.02757	.03403	.00280
#3	.00057	.00351	.00120	.01397	-.01312	-.00027	.00319
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00519	.00521	.01066	.00234	.01957	.00305	-.09714
SDev	.00124	.00402	.03309	.00171	.01106	.00078	.06075
%RSD	23.899	77.100	310.43	73.281	56.504	25.636	62.533
#1	.00662	.00783	-.02747	.00423	.01755	.00392	-.04741
#2	.00442	.00059	.02756	.00089	.03151	.00279	-.07917
#3	.00453	.00722	.03189	.00190	.00967	.00243	-.16485
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00452	.00386	.00204	.00383	.01754	.00888	
SDev	.00161	.00134	.00072	.00136	.01135	.01896	
%RSD	35.610	34.762	35.015	35.567	64.741	213.49	
#1	.00610	.00493	.00263	.00530	.02996	.01195	
#2	.00458	.00428	.00225	.00260	.01496	.02611	
#3	.00288	.00235	.00125	.00359	.00770	-.01143	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20227	--	--	--	--	--	--
SDev	303.2425	--	--	--	--	--	--
%RSD	1.499197	--	--	--	--	--	--
#1	20537	--	--	--	--	--	--
#2	20213	--	--	--	--	--	--
#3	19931	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001-5X 1 Operator: BH
Run Time: ~~04/06/95 10:50:15~~
Comment: (95GI580/CLP)
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	55.119	.00721	.39218	.00319	.09107	.00472	H992.71
SDev	.217	.01430	.00128	.00036	.00094	.00559	4.97

N/R

%RSD	.39388	198.40	.32775	11.156	1.0369	118.25	.50095
#1	54.925	-.00238	.39231	.00354	.09168	.00837	H986.98
#2	55.077	.00035	.39084	.00283	.09153	.00751	H995.31
#3	55.353	.02364	.39340	.00321	.08998	-.00171	H995.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.72670	.05296	.64714	160.42	2.9964	543.48	3.6501
SDev	.00694	.00247	.00090	.56	.0298	2.72	.0143
%RSD	.95480	4.6713	.13921	.34748	.99521	.50126	.39107
#1	.72033	.05241	.64789	159.81	2.9703	540.72	3.6338
#2	.72568	.05566	.64614	160.54	3.0289	543.54	3.6558
#3	.73409	.05080	.64738	160.91	2.9899	546.17	3.6606
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02992	.99724	8.4382	-.00571	3.6333	.38068	-.06564
SDev	.00415	.00337	.0489	.00329	.0073	.00123	.11140
%RSD	13.879	.33796	.57893	57.639	.19976	.32437	169.72
#1	.03417	.99406	8.3838	-.00420	3.6263	.38063	-.12406
#2	.02969	1.0008	8.4525	-.00344	3.6327	.37947	.06283
#3	.02588	.99690	8.4784	-.00949	3.6408	.38194	-.13568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03662	.19267	3.8503	.81436	.07283	-.04426	
SDev	.02444	.00071	.0354	.00260	.00615	.02406	
%RSD	66.746	.36881	.91826	.31873	8.4453	54.355	
#1	.00840	.19204	3.8095	.81173	.06576	-.07146	
#2	.05062	.19253	3.8690	.81442	.07577	-.03559	
#3	.05085	.19344	3.8724	.81692	.07696	-.02574	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Apibo drsm BH 4/11/25 drorigard crossent

BH 4/11/25

Avge	18578	--	--	--	--	--	--
SDev	198.5153	--	--	--	--	--	--
%RSD	1.068570	--	--	--	--	--	--
#1	18806	--	--	--	--	--	--
#2	18481	--	--	--	--	--	--
#3	18446	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001R-5X 1 Operator: BH
Run Time: 04/06/95 10:53:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	65.711	-.00492	.41577	.00332	.09308	.00521	H1112.6
SDev	.200	.01274	.00155	.00022	.00261	.00616	3.0
%RSD	.30471	259.17	.37316	6.7240	2.8040	118.18	.26826
#1	65.842	-.00793	.41660	.00320	.09120	.00565	H1111.8
#2	65.810	.00906	.41673	.00319	.09198	.01114	H1110.1
#3	65.481	-.01588	.41398	.00358	.09606	-.00115	H1115.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.79711	.05566	.69090	180.12	3.1129	H619.42	3.9323
SDev	.00135	.00064	.00312	.19	.0158	.72	.0036
%RSD	.16887	1.1433	.45185	.10329	.50636	.11607	.09205
#1	.79662	.05565	.69429	180.33	3.1028	H620.25	3.9324
#2	.79863	.05630	.69026	179.99	3.1049	H618.96	3.9287
#3	.79607	.05503	.68815	180.04	3.1311	H619.06	3.9359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04795	1.0782	10.516	-.00622	4.0351	.41979	-.03816
SDev	.00307	.0012	.066	.00264	.0282	.00190	.09202
%RSD	6.3930	.11285	.62804	42.461	.69956	.45275	241.17
#1	.04504	1.0788	10.581	-.00870	4.0439	.42080	.04698
#2	.05115	1.0768	10.518	-.00650	4.0579	.42098	-.13579
#3	.04765	1.0791	10.449	-.00345	4.0035	.41760	-.02566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960

Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05078	.21645	3.9660	.63569	.09492	L-.11717
SDev	.01783	.00143	.0188	.00102	.01554	.02609
%RSD	35.110	.65813	.47396	.16066	16.374	22.264
#1	.04093	.21486	3.9689	.63552	.11254	-.09969
#2	.04006	.21760	3.9459	.63679	.08912	L-.14716
#3	.07137	.21689	3.9831	.63477	.08312	L-.10467

N/R

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18498	--	--	--	--	--	--
SDev	65.85085	--	--	--	--	--	--
%RSD	.3559826	--	--	--	--	--	--
#1	18467	--	--	--	--	--	--
#2	18574	--	--	--	--	--	--
#3	18454	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001S-5X 1 Operator: BH
Run Time: 04/06/95 10:56:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	57.453	.00087	.79241	.01301	.27948	.01881	H1375.5
SDev	.112	.00833	.00234	.00003	.00243	.00167	1.2
%RSD	.19533	953.72	.29594	.20084	.86876	8.8779	.08993
#1	57.459	-.00643	.79424	.01303	.28179	.02066	H1374.1
#2	57.338	.00995	.78977	.01298	.27971	.01833	H1376.6
#3	57.562	-.00090	.79323	.01301	.27695	.01743	H1375.7

N/R

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.80782	.14389	.72421	162.74	3.2748	H771.17	4.3537
SDev	.00469	.00198	.00097	.16	.0257	2.00	.0043
%RSD	.58070	1.3761	.13338	.09688	.78510	.25899	.09817
#1	.80753	.14484	.72390	162.77	3.2570	H770.46	4.3566
#2	.81265	.14521	.72344	162.57	3.3043	H769.63	4.3488
#3	.80328	.14161	.72529	162.88	3.2631	H773.43	4.3558

N/R

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000

Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13400	1.1249	10.779	.00673	6.2126	.66960	.35420
SDev	.00258	.0048	.085	.00176	.0282	.00222	.10869
%RSD	1.9250	.43099	.78642	26.110	.45383	.33233	30.687
#1	.13513	1.1212	10.875	.00563	6.2244	.67123	.35906
#2	.13582	1.1232	10.716	.00875	6.1804	.66706	.46039
#3	.13105	1.1304	10.744	.00579	6.2330	.67050	.24316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.19652	.28230	4.0085	.82034	.39449	.09823	
SDev	.02269	.00134	.0076	.00165	.01034	.02799	
%RSD	11.547	.47541	.19021	.20071	2.6207	28.498	
#1	.17032	.28092	4.0027	.81999	.38705	.10882	
#2	.20922	.28239	4.0058	.81890	.40629	.11938	
#3	.21001	.28360	4.0172	.82214	.39012	.06649	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18494	--	--	--	--	--	--
SDev	39.73663	--	--	--	--	--	--
%RSD	.2148623	--	--	--	--	--	--
#1	18457	--	--	--	--	--	--
#2	18536	--	--	--	--	--	--
#3	18489	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001L-25X 1 Operator: BH
Run Time: 04/06/95 10:59:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.804	-.00429	.07928	.00026	.01799	.00090	198.14
SDev	.064	.00441	.00039	.00001	.00088	.00210	.36
%RSD	.59582	102.82	.49122	3.4848	4.8671	233.47	.18382
#1	10.871	-.00744	.07964	.00025	.01884	.00090	198.05
#2	10.743	-.00619	.07934	.00026	.01804	.00301	198.54
#3	10.797	.00075	.07887	.00026	.01709	-.00120	197.82

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15343	.01047	.12896	34.057	.62076	106.35	.76364
SDev	.00198	.00083	.00370	.064	.00731	.10	.00037
%RSD	1.2924	7.9173	2.8680	.18881	1.1780	.09336	.04898
#1	.15571	.01028	.13246	34.111	.62381	106.47	.76365
#2	.15242	.01138	.12509	34.075	.62605	106.30	.76401
#3	.15215	.00975	.12932	33.986	.61242	106.29	.76326

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00574	.21127	1.6615	-.00312	.66491	.07737	-.06427
SDev	.00441	.00133	.0683	.00128	.00806	.00029	.02823
%RSD	76.722	.63047	4.1114	40.950	1.2122	.37399	43.917
#1	.00710	.21112	1.7381	-.00283	.66997	.07770	-.08785
#2	.00082	.21267	1.6068	-.00200	.66916	.07723	-.07198
#3	.00931	.21002	1.6395	-.00451	.65562	.07718	-.03300

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03970	.04020	.79667	.16476	.01490	.08807	
SDev	.00362	.00129	.01005	.00087	.00750	.02623	
%RSD	9.1053	3.2091	1.2613	.52992	50.307	29.782	
#1	.03936	.04093	.80776	.16575	.02347	.07283	
#2	.04347	.04096	.79406	.16410	.00953	.11836	
#3	.03627	.03871	.78818	.16442	.01170	.07302	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19344	--	--	--	--	--	--
SDev	229.5699	--	--	--	--	--	--
%RSD	1.186755	--	--	--	--	--	--
#1	19088	--	--	--	--	--	--

#2	19414	--	--	--	--	--	--
#3	19531	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-001A-5X 1 Operator: BH
Run Time: 04/06/95 11:02:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	56.585	.13121	.81198	.01378	.29800	.01970	H1018.2
SDev	.242	.00639	.00067	.00015	.00415	.00400	5.1
%RSD	.42773	4.8719	.08264	1.0970	1.3927	20.309	.49763
#1	56.436	.12469	.81219	.01378	.29657	.01799	H1017.0
#2	56.864	.13747	.81123	.01393	.30268	.02427	H1023.8
#3	56.454	.13148	.81252	.01363	.29476	.01684	H1013.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.76972	.15300	.71613	164.74	3.1840	553.80	3.7712
SDev	.00536	.00100	.00220	.85	.0171	2.49	.0165
%RSD	.69644	.65236	.30772	.51586	.53820	.45043	.43704
#1	.77344	.15294	.71545	164.34	3.1798	552.39	3.7626
#2	.77214	.15204	.71435	165.71	3.2029	556.68	3.7902
#3	.76358	.15403	.71860	164.15	3.1694	552.32	3.7607
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.22980	1.1068	10.849	.01539	5.9621	.59271	.44857
SDev	.00536	.0073	.030	.00127	.0197	.00044	.08901
%RSD	2.3336	.66378	.28015	8.2779	.33113	.07381	19.843
#1	.22895	1.1048	10.876	.01686	5.9461	.59256	.51204
#2	.23553	1.1150	10.854	.01471	5.9561	.59320	.34682
#3	.22491	1.1007	10.816	.01461	5.9842	.59236	.48685
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.22508	.29991	3.9948	1.0402	.26894	.18213
SDev	.00556	.00131	.0325	.0015	.00896	.02528
%RSD	2.4679	.43835	.81295	.14137	3.3322	13.879

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#1	.22861	.30116	3.9877	1.0390	.26411	.19939	
#2	.21868	.30004	4.0302	1.0418	.26344	.19388	
#3	.22795	.29854	3.9664	1.0397	.27928	.15311	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18476	--	--	--	--	--	--
SDev	217.0376	--	--	--	--	--	--
%RSD	1.174721	--	--	--	--	--	--
#1	18471	--	--	--	--	--	--
#2	18261	--	--	--	--	--	--
#3	18695	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-003-5X 1 Operator: BH
Run Time: 04/06/95 11:05:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.838	.00395	.27860	.00298	.08349	-.00053	H832.86
SDev	.032	.02054	.00050	.00022	.00221	.00478	2.12
%RSD	.06174	520.41	.18081	7.2840	2.6495	901.54	.25441
#1	51.801	.02576	.27885	.00310	.08337	-.00329	H832.69
#2	51.860	-.01503	.27894	.00273	.08134	.00499	H830.83
#3	51.853	.00111	.27802	.00311	.08576	-.00329	H835.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.24474	.06824	.74717	326.48	.39058	286.95	3.2220
SDev	.00284	.00500	.00111	.43	.01082	.38	.0044
%RSD	1.1593	7.3192	.14814	.13241	2.7700	.13205	.13784
#1	.24787	.07294	.74708	326.60	.39635	287.20	3.2228
#2	.24234	.06879	.74610	326.00	.39730	286.52	3.2172
#3	.24400	.06299	.74831	326.84	.37810	287.15	3.2260
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00217	.28724	11.857	L-.01279	4.2226	.46153	-.05049

NHK BH 4/6/95

SDev	.00142	.00347	.069	.00216	.0194	.00049	.15846
%RSD	65.578	1.2074	.58056	16.904	.46004	.10673	313.83
#1	-.00300	.29061	11.898	L-.01072	4.2426	.46132	.09192
#2	-.00053	.28368	11.895	L-.01504	4.2215	.46209	-.02220
#3	-.00299	.28742	11.777	L-.01261	4.2038	.46118	-.22120
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05024	.25122	1.8017	2.2437	.24408	-.00751
SDev	.01634	.00144	.0133	.0032	.03038	.04834
%RSD	32.524	.57181	.73639	.14476	12.447	644.01
#1	.06008	.25288	1.8076	2.2470	.26995	-.01463
#2	.05926	.25038	1.7865	2.2405	.25167	.04400
#3	.03138	.25039	1.8110	2.2437	.21063	-.05189
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19216	--	--	--	--	--	--
SDev	77.36494	--	--	--	--	--	--
%RSD	.4026138	--	--	--	--	--	--
#1	19207	--	--	--	--	--	--
#2	19297	--	--	--	--	--	--
#3	19143	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-005-5X 1 Operator: BH
Run Time: 04/06/95 11:07:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	57.297	.00625	.44511	.00274	.06481	-.00085	277.08
SDev	.159	.00573	.00047	.00001	.00318	.00135	.48
%RSD	.27782	91.609	.10654	.43631	4.9104	158.82	.17365
#1	57.120	.00740	.44456	.00273	.06580	.00055	276.68
#2	57.429	.01133	.44531	.00275	.06125	-.00096	277.61
#3	57.342	.00004	.44545	.00274	.06738	-.00214	276.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17371	.05005	.27747	137.51	1.5590	102.03	3.2665
SDev	.00326	.00112	.00136	.23	.0207	.26	.0046
%RSD	1.8785	2.2414	.48983	.16875	1.3303	.25231	.14189
#1	.17725	.05120	.27742	137.33	1.5561	101.74	3.2635
#2	.17306	.05000	.27614	137.77	1.5810	102.12	3.2719
#3	.17082	.04896	.27886	137.41	1.5398	102.23	3.2643
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00485	.23731	6.8821	-.00792	6.5367	.19358	-.12498
SDev	.00181	.00199	.0330	.00154	.0167	.00026	.03362
%RSD	37.363	.83821	.48007	19.473	.25622	.13451	26.902
#1	.00683	.23930	6.8441	-.00618	6.5195	.19336	-.08685
#2	.00328	.23730	6.9041	-.00845	6.5374	.19386	-.15036
#3	.00445	.23532	6.8981	-.00912	6.5530	.19351	-.13772
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00987	.17380	2.5069	.85724	.08877	.05706
SDev	.02695	.00106	.0101	.00125	.00183	.03907
%RSD	273.22	.60847	.40334	.14531	2.0634	68.466
#1	.04099	.17424	2.4967	.85718	.08867	.09712
#2	-.00527	.17456	2.5170	.85852	.08699	.01907
#3	-.00611	.17259	2.5069	.85603	.09065	.05498
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19423	--	--	--	--	--	--
SDev	130.6917	--	--	--	--	--	--
%RSD	.6728826	--	--	--	--	--	--
#1	19542	--	--	--	--	--	--
#2	19283	--	--	--	--	--	--
#3	19443	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-007-5X 1 Operator: BH
Run Time: 04/06/95 11:10:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	44.606	.00908	1.7469	.00315	.07359	-.00271	410.74
SDev	.064	.01487	.0018	.00002	.00010	.00358	1.76
%RSD	.14353	163.77	.10470	.58709	.13983	132.05	.42940
#1	44.545	-.00146	1.7478	.00313	.07352	.00136	408.83
#2	44.600	.02609	1.7448	.00316	.07355	L-.00536	411.08
#3	44.672	.00261	1.7481	.00316	.07371	-.00414	412.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18145	.10820	.51960	304.09	.41199	174.09	14.668
SDev	.00127	.00175	.00206	.70	.02170	.46	.043
%RSD	.69891	1.6156	.39663	.22940	5.2676	.26455	.29234
#1	.18291	.10824	.51771	303.30	.42404	173.69	14.620
#2	.18061	.10644	.51929	304.33	.38693	174.00	14.683
#3	.18082	.10993	.52180	304.63	.42499	174.59	14.702
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00542	.18008	9.8826	L-.01630	6.3738	.25242	-.08215
SDev	.00334	.00232	.0300	.00094	.0185	.00030	.02948
%RSD	61.568	1.2911	.30312	5.7579	.29014	.11910	35.893
#1	-.00290	.17983	9.8844	L-.01522	6.3573	.25233	-.09267
#2	-.00921	.18251	9.8517	L-.01689	6.3938	.25218	-.10493
#3	-.00416	.17788	9.9116	L-.01678	6.3703	.25276	-.04884
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01201	.21424	1.4718	1.9185	.22930	.07593
SDev	.00232	.00152	.0095	.0032	.00238	.06339
%RSD	19.369	.70911	.64535	.16856	1.0386	83.487
#1	.00996	.21600	1.4693	1.9160	.22684	.05796
#2	.01453	.21337	1.4638	1.9174	.23159	.14637
#3	.01152	.21336	1.4823	1.9222	.22947	.02346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18879	--	--	--	--	--	--
SDev	154.7870	--	--	--	--	--	--
%RSD	.8198895	--	--	--	--	--	--
#1	19056	--	--	--	--	--	--
#2	18812	--	--	--	--	--	--
#3	18769	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-009-5X 1 Operator: BH
Run Time: 04/06/95 11:13:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	25.536	.00969	.95308	.00167	.04888	-.00075	244.21
SDev	.042	.01947	.00258	.00000	.00312	.00299	1.33
%RSD	.16584	200.83	.27097	.24649	6.3739	399.37	.54466
#1	25.534	-.00865	.95606	.00167	.04864	.00268	242.92
#2	25.495	.00761	.95167	.00167	.04589	-.00278	244.13
#3	25.579	.03012	.95150	.00168	.05210	-.00214	245.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11068	.06092	.30153	180.27	.22393	103.88	8.1399
SDev	.00089	.00208	.00137	.53	.00651	.20	.0319
%RSD	.80329	3.4064	.45294	.29297	2.9063	.19429	.39146
#1	.10982	.05854	.30093	179.79	.21833	103.81	8.1083
#2	.11160	.06185	.30310	180.18	.22238	103.72	8.1394
#3	.11061	.06236	.30057	180.83	.23107	104.11	8.1720
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00036	.10719	6.6764	-.00997	5.5961	.16092	.00915
SDev	.00210	.00369	.0382	.00154	.0145	.00018	.05340
%RSD	589.74	3.4430	.57174	15.420	.25980	.11268	583.62
#1	.00207	.10296	6.6671	-.00857	5.6128	.16113	-.05219
#2	-.00157	.10884	6.6437	-.00974	5.5888	.16079	.04531

#3	-.00156	.10976	6.7183	L-.01162	5.5867	.16086	.03433
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.03253	.12462	.91559	1.1840	.13413	.08760	
SDev	.01750	.00057	.00734	.0028	.01107	.08652	
%RSD	53.785	.45633	.80194	.23652	8.2518	98.764	
#1	.03727	.12520	.90836	1.1823	.12214	.07570	
#2	.04716	.12407	.91537	1.1824	.13628	.17945	
#3	.01315	.12460	.92304	1.1872	.14396	.00765	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19478	--	--	--	--	--	--
SDev	112.3492	--	--	--	--	--	--
%RSD	.5767904	--	--	--	--	--	--
#1	19570	--	--	--	--	--	--
#2	19512	--	--	--	--	--	--
#3	19353	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-011-5X 1 Operator: BH
Run Time: 04/06/95 11:16:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	84.554	.00211	.65981	.00585	.21116	.00617	H1396.7
SDev	.314	.01660	.00297	.00003	.00171	.00373	2.1
%RSD	.37094	786.85	.45046	.59034	.81071	60.462	.15163
#1	84.217	.00402	.65720	.00588	.21178	.00247	H1396.2
#2	84.837	-.01536	.66305	.00587	.21247	.00994	H1399.0
#3	84.608	.01768	.65919	.00581	.20922	.00611	H1394.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.37417	.11012	.54851	279.07	.33099	H620.77	8.2798
SDev	.00297	.00223	.00399	.62	.01699	1.82	.0193
%RSD	.79402	2.0268	.72718	.22281	5.1319	.29387	.23262

N/R

N/R

#1	.37596	.11229	.54569	278.88	.32244	H619.12	8.2770
#2	.37582	.10784	.55307	279.77	.35055	H622.73	8.3004
#3	.37074	.11024	.54677	278.57	.31998	H620.46	8.2621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00716	.27978	8.6925	-.00970	17.647	.72621	-.06049
SDev	.00347	.00295	.0296	.00234	.087	.00225	.05512
%RSD	48.443	1.0526	.34025	24.143	.49034	.30935	91.117
#1	.00849	.28174	8.6802	-.00699	17.564	.72380	-.04267
#2	.00977	.27639	8.7262	L-.01096	17.737	.72825	-.01649
#3	.00323	.28120	8.6710	L-.01113	17.640	.72656	-.12232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.02599	.27127	3.2752	1.0882	.11851	L-.21470	
SDev	.02581	.00161	.0090	.0051	.02192	.03419	
%RSD	99.289	.59284	.27587	.46757	18.498	15.926	
#1	-.00342	.26942	3.2776	1.0929	.11311	L-.20357	
#2	.03657	.27204	3.2828	1.0888	.09980	L-.25307	
#3	.04484	.27235	3.2652	1.0828	.14263	L-.18746	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	
High	100.00	100.00	100.00	100.00	100.00	100.00	
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18383	--	--	--	--	--	--
SDev	127.1626	--	--	--	--	--	--
%RSD	.6917528	--	--	--	--	--	--
#1	18299	--	--	--	--	--	--
#2	18320	--	--	--	--	--	--
#3	18529	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/06/95 11:19:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.581	1.0384	10.216	2.5326	5.1824	2.5812	51.349
SDev	.102	.0143	.034	.0062	.0145	.0247	.376
%RSD	.19865	1.3783	.32969	.24426	.27964	.95560	.73208
#1	51.698	1.0379	10.190	2.5396	5.1991	2.6096	51.752
#2	51.537	1.0243	10.254	2.5302	5.1728	2.5648	51.007
#3	51.509	1.0529	10.204	2.5280	5.1753	2.5692	51.289
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.0626	5.2346	5.1439	25.928	5.1905	52.332	5.1088
SDev	.0237	.0355	.0134	.114	.0328	.240	.0253
%RSD	.46808	.67810	.25955	.44110	.63135	.45920	.49436
#1	5.0850	5.2683	5.1500	26.039	5.2083	52.610	5.1309
#2	5.0378	5.1976	5.1532	25.810	5.1527	52.182	5.0813
#3	5.0651	5.2378	5.1286	25.936	5.2106	52.205	5.1142
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2389	5.1847	49.709	1.0287	50.225	5.1417	10.256
SDev	.0175	.0325	.096	.0049	.225	.0087	.135
%RSD	.33430	.62757	.19277	.47431	.44885	.16950	1.3134
#1	5.2407	5.2109	49.697	1.0338	50.234	5.1382	10.199
#2	5.2206	5.1483	49.810	1.0241	50.445	5.1516	10.410
#3	5.2554	5.1948	49.620	1.0281	49.994	5.1352	10.159
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.1380	5.1844	5.1668	5.2133	5.0194	5.0047	
SDev	.0926	.0105	.0434	.0086	.0301	.0659	
%RSD	1.8018	.20158	.83928	.16415	.60012	1.3172	
#1	5.2384	5.1949	5.2102	5.2230	5.0514	5.0804	
#2	5.0559	5.1740	5.1235	5.2096	4.9915	4.9602	
#3	5.1198	5.1844	5.1668	5.2071	5.0152	4.9735	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7

Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20338	--	--	--	--	--	--
SDev	294.3077	--	--	--	--	--	--
%RSD	1.447083	--	--	--	--	--	--
#1	20029	--	--	--	--	--	--
#2	20615	--	--	--	--	--	--
#3	20370	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB 2 Operator: BH
Run Time: 04/06/95 11:22:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05272	.01110	.00659	.00157	.00942	.00421	.16862
SDev	.01344	.00073	.00170	.00053	.00218	.00194	.02551
%RSD	25.484	6.6201	25.757	33.902	23.100	46.180	15.132
#1	.06339	.01066	.00814	.00203	.01101	.00497	.17225
#2	.05713	.01195	.00685	.00169	.01032	Q.00565	.19212
#3	.03763	.01070	.00478	.00099	.00694	.00200	.14148
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00556	.00370	.00198	.04565	-.00680	.09053	.00431
SDev	.00369	.00078	.00146	.00640	.00544	.00969	.00111
%RSD	66.274	21.096	73.534	14.026	79.989	10.703	25.729
#1	.00967	.00288	.00115	.04994	-.00052	.10109	.00534
#2	.00446	.00443	.00367	.04873	-.00995	.08844	.00446
#3	.00255	.00379	.00113	.03829	-.00994	.08206	.00314
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00686	.00437	.03617	.00179	.03325	.00335	-.07375
SDev	.00238	.00307	.09530	.00160	.01390	.00085	.05386
%RSD	34.638	70.359	263.48	89.271	41.798	25.206	73.024
#1	.00921	.00709	.12414	.00319	.04905	.00402	-.13398
#2	.00691	.00498	.04943	.00215	.02776	.00364	-.03022
#3	.00446	.00104	-.06507	.00005	.02294	.00240	-.05706
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000

Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00959	.00359	.00437	.00399	.00926	.00637	
SDev	.00443	.00110	.00157	.00141	.01666	.01776	
%RSD	46.226	30.592	35.868	35.325	179.91	278.65	
#1	.00538	.00409	.00592	.00544	.01492	.00226	
#2	.00918	.00435	.00441	.00391	.02235	.02583	
#3	.01422	.00233	.00278	.00262	-.00949	-.00896	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20034	--	--	--	--	--	--
SDev	110.2059	--	--	--	--	--	--
%RSD	.5501033	--	--	--	--	--	--
#1	20059	--	--	--	--	--	--
#2	19913	--	--	--	--	--	--
#3	20129	--	--	--	--	--	--

Method: 95GI580 Sample Name: 9503G001-013-5X 1 Operator: BH
Run Time: 04/06/95 11:25:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	52.026	.01154	.33554	.00304	.08984	.00067	556.23
SDev	.088	.01764	.00100	.00020	.00022	.00264	4.74
%RSD	.16853	152.86	.29711	6.4380	.24661	391.94	.85271
#1	51.960	.00081	.33664	.00313	.08962	.00237	551.15
#2	51.992	.00191	.33470	.00318	.08982	-.00237	557.02
#3	52.125	.03190	.33529	.00282	.09007	.00201	560.53
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.00	20.000	150.00	50.000	100.00	50.000	600.00
Low	-.20000	-.06000	-.20000	-.00500	-.05000	-.00500	-5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18241	.07560	.44075	213.62	.21908	265.11	5.0719
SDev	.00379	.00135	.00306	1.16	.01423	1.16	.0294
%RSD	2.0758	1.7892	.69485	.54444	6.4951	.43679	.57940
#1	.17806	.07710	.44187	212.58	.20580	264.22	5.0447
#2	.18424	.07524	.43729	213.42	.23410	264.69	5.0681
#3	.18493	.07447	.44311	214.88	.21733	266.42	5.1031

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	500.00	100.00	600.00	25.000
Low	-.01000	-.05000	-.02500	-.10000	-.05000	-5.0000	-.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00514	.18354	7.8435	L-.01337	15.524	.40315	-.04984
SDev	.00273	.00162	.1322	.00107	.072	.00123	.07032
%RSD	53.135	.88210	1.6859	8.0120	.46141	.30443	141.09
#1	.00208	.18245	7.6919	L-.01460	15.592	.40304	-.06914
#2	.00599	.18277	7.9039	L-.01284	15.449	.40198	-.10849
#3	.00734	.18540	7.9348	L-.01267	15.530	.40443	.02811

Errors	LC Pass	LC Pass	LC Pass	LC Low OK	LC Pass	LC Pass	LC Pass
High	100.00	100.00	600.00	5.0000	600.00	100.00	200.00
Low	-.10000	-.04000	-5.0000	-.01000	-5.0000	-.10000	-.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00692	.18304	1.0919	1.3933	.16213	.08236	
SDev	.00872	.00143	.0191	.0033	.01653	.02530	
%RSD	125.89	.77856	1.7534	.23699	10.197	30.715	
#1	.01606	.18151	1.0701	1.3906	.17118	.05374	
#2	-.00130	.18327	1.0994	1.3924	.17217	.10171	
#3	.00601	.18433	1.1062	1.3970	.14305	.09164	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	100.00	100.00	100.00	100.00	100.00
Low	-.10000	-.05000	-.02000	-.02000	-.10000	-.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18784	--	--	--	--	--	--
SDev	283.5919	--	--	--	--	--	--
%RSD	1.509779	--	--	--	--	--	--
#1	19102	--	--	--	--	--	--
#2	18691	--	--	--	--	--	--
#3	18558	--	--	--	--	--	--

Method: 95GI580 Sample Name: CRI Operator: BH
Run Time: 04/06/95 11:28:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.43704	.12269	.41644	.00997	.21220	.01172	2.3959
SDev	.01868	.00305	.00072	.00045	.00252	.00237	.1206
%RSD	4.2742	2.4878	.17188	4.5190	1.1873	20.241	5.0353

#1	.45858	.12410	.41562	.00949	.21409	Q.01446	Q2.5304
#2	.42718	.11918	.41688	.01004	.21316	.01038	2.3600
#3	.42535	.12478	.41682	.01038	.20934	.01032	2.2972
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02235	.10695	.05160	Q.32866	.10539	2.2870	.03413
SDev	.00524	.00235	.00176	.04257	.00549	.0775	.00115
%RSD	23.425	2.2014	3.4179	12.954	5.2058	3.3880	3.3845
#1	Q.02764	.10934	.05353	Q.37509	.09930	2.3628	.03541
#2	.02225	.10687	.05006	Q.31946	.10692	2.2902	.03382
#3	.01717	.10464	.05123	Q.29145	.10995	2.2080	.03316
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21270	.08455	1.9525	.02068	2.0575	.21041	Q.29087
SDev	.00069	.00271	.0539	.00245	.0173	.00031	.11659
%RSD	.32237	3.2082	2.7629	11.837	.84172	.14677	40.083
#1	.21325	.08641	2.0079	.02351	2.0701	.21033	.42340
#2	.21194	.08580	1.9002	.01917	2.0647	.21075	Q.20410
#3	.21292	.08144	1.9495	.01936	2.0378	.21015	Q.24511
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.20468	.10598	.04338	.21350	.20991	.18966	
SDev	.00426	.00156	.00107	.00029	.01085	.02525	
%RSD	2.0811	1.4768	2.4715	.13464	5.1677	13.311	
#1	.20920	.10776	.04357	.21373	.22234	.21474	
#2	.20410	.10540	.04435	.21318	.20239	.16425	
#3	.20074	.10480	.04223	.21360	.20498	.18998	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.20000	.10000	.04000	.20000	.20000	.20000	
Range	20.000	20.000	20.000	20.000	20.000	20.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19926	--	--	--	--	--	--
SDev	203.7376	--	--	--	--	--	--

%RSD	1.022471	--	--	--	--	--	--
#1	19691	--	--	--	--	--	--
#2	20034	--	--	--	--	--	--
#3	20053	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISA Operator: BH
Run Time: 04/06/95 11:31:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	528.56	.00917	.00211	-.00036	.01001	-.00027	517.38
SDev	1.93	.01777	.00020	.00021	.00235	.00237	3.06
%RSD	.36587	193.68	9.5524	58.229	23.464	886.11	.59137
#1	530.12	-.00237	.00188	-.00049	.00758	.00154	514.33
#2	529.17	.00026	.00222	-.00048	.01227	.00060	517.36
#3	526.40	.02964	.00223	-.00012	.01019	-.00295	520.45
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00229	.00063	.01015	197.47	.01990	545.56	.00127
SDev	.00543	.00177	.00532	.73	.02311	1.04	.00023
%RSD	237.44	279.66	52.447	.36827	116.13	.18991	18.162
#1	-.00348	-.00055	.01191	196.65	-.00649	545.62	.00151
#2	.00731	-.00022	.01437	197.72	.02967	546.57	.00127
#3	.00303	.00267	.00417	198.04	.03651	544.50	.00104
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01346	-.01288	-.11888	-.01343	-.01216	.00735	.03205
SDev	.00506	.00502	.04032	.00138	.01565	.00026	.04856
%RSD	37.624	38.950	33.920	10.300	128.76	3.5149	151.50
#1	-.01888	-.01330	-.16079	-.01501	-.01345	.00722	.05805
#2	-.00886	-.00766	-.08036	-.01240	.00410	.00718	-.02397
#3	-.01264	-.01767	-.11547	-.01289	-.02712	.00765	.06207
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04633	.00639	-.01978	.01593	.07180	.15216

SDev	.04244	.00089	.00340	.00058	.05540	.04038
%RSD	91.598	13.915	17.184	3.6234	77.159	26.540
#1	.05178	.00545	-.01766	.01643	.06167	.13936
#2	.00143	.00722	-.01798	.01530	.02217	.19739
#3	.08578	.00649	-.02370	.01606	.13157	.11972
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19012	--	--	--	--	--	--
SDev	60.11933	--	--	--	--	--	--
%RSD	.3162233	--	--	--	--	--	--
#1	18980	--	--	--	--	--	--
#2	19081	--	--	--	--	--	--
#3	18974	--	--	--	--	--	--

Method: 95GI580 Sample Name: ISB Operator: BH
Run Time: 04/06/95 11:34:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	523.29	.00722	.50989	.50753	.01047	1.0444	527.61
SDev	1.55	.01034	.00184	.00203	.00288	.0087	3.34
%RSD	.29707	143.25	.36037	.39980	27.527	.83396	.63350
#1	525.09	.01677	.51164	.50984	.01299	1.0536	531.46
#2	522.40	-.00376	.50798	.50673	.01110	1.0432	525.91
#3	522.39	.00864	.51006	.50602	.00733	1.0364	525.46
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49976	.50915	.52498	199.13	1.0670	543.43	.50083
SDev	.00512	.00692	.00292	1.04	.0169	2.55	.00253
%RSD	1.0237	1.3601	.55588	.52189	1.5816	.46889	.50580
#1	.50407	.51687	.52834	200.33	1.0847	546.36	.50375
#2	.50111	.50707	.52304	198.48	1.0511	542.17	.49955
#3	.49411	.50350	.52357	198.58	1.0653	541.75	.49919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01498	.99429	-.03572	1.0429	-.02825	.00695	.00338
SDev	.00262	.00846	.02001	.0054	.01755	.00006	.05423
%RSD	17.487	.85057	56.025	.51810	62.131	.91899	1603.6
#1	-.01594	1.0040	-.01514	1.0492	-.00806	.00703	-.00740
#2	-.01699	.99005	-.03690	1.0396	-.03677	.00692	.06219
#3	-.01202	.98879	-.05511	1.0401	-.03991	.00691	-.04464
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03728	.51794	1.0129	.01513	5.1339	5.1206
SDev	.02484	.00243	.0060	.00057	.0648	.0227
%RSD	66.632	.46896	.58870	3.7918	1.2626	.44244
#1	.00864	.52074	1.0195	.01576	5.2042	5.1447
#2	.05026	.51665	1.0079	.01498	5.0766	5.0997
#3	.05295	.51642	1.0113	.01465	5.1208	5.1174
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value		.50000	1.0000		5.0000	5.0000
Range		.10000	.20000		1.0000	1.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19120	--	--	--	--	--	--
SDev	171.1403	--	--	--	--	--	--
%RSD	.8950852	--	--	--	--	--	--
#1	18923	--	--	--	--	--	--
#2	19205	--	--	--	--	--	--
#3	19232	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCV Operator: BH
Run Time: 04/06/95 11:36:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.569	1.0663	10.105	2.5503	5.1924	2.6416	52.639
SDev	.170	.0142	.021	.0137	.0299	.0060	.263
%RSD	.32971	1.3308	.21154	.53560	.57677	.22650	.50048
#1	51.484	1.0557	10.120	2.5419	5.1702	2.6347	52.371
#2	51.764	1.0609	10.115	2.5661	5.2265	2.6455	52.897
#3	51.457	1.0824	10.081	2.5430	5.1806	2.6445	52.648
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1818	5.3570	5.1038	26.326	5.3545	52.576	5.1938
SDev	.0238	.0231	.0131	.129	.0173	.091	.0258
%RSD	.45973	.43092	.25655	.49041	.32359	.17231	.49647
#1	5.1672	5.3358	5.1085	26.236	5.3345	52.527	5.1733
#2	5.2093	5.3816	5.1139	26.474	5.3631	52.681	5.2228
#3	5.1690	5.3537	5.0890	26.267	5.3658	52.520	5.1855
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3540	5.3247	49.114	1.0398	49.468	5.1135	10.086
SDev	.0289	.0258	.016	.0049	.160	.0141	.031
%RSD	.53981	.48443	.03259	.47338	.32324	.27575	.30796
#1	5.3275	5.3031	49.111	1.0343	49.525	5.1232	10.120
#2	5.3849	5.3533	49.132	1.0439	49.593	5.1199	10.078
#3	5.3496	5.3177	49.100	1.0412	49.288	5.0973	10.060
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.3340	5.2400	5.3003	5.2218	5.1974	5.1375	
SDev	.0408	.0186	.0445	.0177	.0254	.0283	
%RSD	.76504	.35501	.84053	.33862	.48858	.55000	
#1	5.2884	5.2230	5.2593	5.2106	5.1688	5.1699	
#2	5.3669	5.2599	5.3477	5.2422	5.2060	5.1182	
#3	5.3468	5.2373	5.2938	5.2126	5.2174	5.1243	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20006	--	--	--	--	--	--
SDev	87.12252	--	--	--	--	--	--
%RSD	.4354892	--	--	--	--	--	--
#1	20072	--	--	--	--	--	--
#2	19907	--	--	--	--	--	--
#3	20038	--	--	--	--	--	--

Method: 95GI580 Sample Name: CCB Operator: BH
Run Time: 04/06/95 11:39:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.10220	.01137	.00843	.00146	.01073	.00498	.10325
SDev	.01440	.01624	.00159	.00020	.00285	.00287	.01066
%RSD	14.093	142.81	18.862	13.898	26.619	57.592	10.325
#1	.11809	.02903	.01022	.00169	.01273	Q.00605	.11396
#2	.09849	.00801	.00789	.00134	.01199	Q.00716	.10314
#3	.09001	-.00292	.00718	.00134	.00746	.00173	.09264
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00595	.00534	.00244	.04050	.00217	.08933	.00456
SDev	.00417	.00239	.00125	.00668	.01169	.03188	.00127
%RSD	70.093	44.720	51.098	16.492	537.71	35.685	27.923
#1	.00324	.00657	.00120	.04817	-.00682	.07497	.00571
#2	.00386	.00259	.00370	.03727	-.00204	.06716	.00479
#3	Q.01076	.00688	.00243	.03604	.01539	.12586	.00319
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00731	.00451	.06682	.00222	.03414	.00418	-.13370
SDev	.00181	.00230	.09143	.00091	.00600	.00093	.08443
%RSD	24.754	50.944	136.82	41.169	17.572	22.258	63.151
#1	.00929	.00511	-.03703	.00192	.03070	.00526	-.18730
#2	.00575	.00645	.10234	.00150	.04106	.00365	-.17743
#3	.00689	.00197	.13517	.00325	.03065	.00364	-.03637
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00818	.00501	.00511	.00485	.00953	-.00103
SDev	.00451	.00072	.00264	.00114	.01301	.00687
%RSD	55.114	14.317	51.613	23.438	136.54	664.97
#1	.00912	.00459	.00756	.00579	.02110	.00675
#2	.00327	.00461	.00232	.00518	-.00455	-.00359

#3	.01213	.00584	.00546	.00359	.01204	-.00626	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19907	--	--	--	--	--	--
SDev	46.35731	--	--	--	--	--	--
%RSD	.2328694	--	--	--	--	--	--
#1	19927	--	--	--	--	--	--
#2	19854	--	--	--	--	--	--
#3	19940	--	--	--	--	--	--

Analysis Report Summary Tue 04-11-95 03:29:27 PM page 1

Brian Hamende

runs

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#	Sample Name		File	Method	Date	Time	OpID	Type	Mode
~~1~~	~~S0~~		~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~11:31~~		~~X~~	~~IR~~
2	S0		P10411A	95GE615	04/11/95	11:36		X	IR
3	S		P10411A	95GE615	04/11/95	11:39		X	IR
4	S		P10411A	95GE615	04/11/95	11:42	BH	Q	CONC
5	ICV		P10411A	95GE615	04/11/95	11:45	BH	Q	CONC
6	ICV		P10411A	95GE615	04/11/95	11:53	BH	Q	CONC
7	ICB		P10411A	95GE615	04/11/95	11:56	BH	Q	CONC
8	CRI		P10411A	95GE615	04/11/95	11:59	BH	Q	CONC
9	ISA		P10411A	95GE615	04/11/95	12:02	BH	Q	CONC
10	ISB		P10411A	95GE615	04/11/95	12:05	BH	Q	CONC
~~11~~	~~20%STD~~		~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~12:08~~	~~BH~~	~~Q~~	~~CONC~~ BH 4/11/95
12	S0		P10411A	95GE615	04/11/95	12:13		X	IR
13	S	*	P10411A	95GE615	04/11/95	12:17		X	IR
14	S		P10411A	95GE615	04/11/95	12:19	BH	Q	CONC
15	ICV		P10411A	95GE615	04/11/95	12:22	BH	Q	CONC
16	ICB		P10411A	95GE615	04/11/95	12:25	BH	Q	CONC
17	CRI		P10411A	95GE615	04/11/95	12:28	BH	Q	CONC
18	ISA		P10411A	95GE615	04/11/95	12:31	BH	Q	CONC
19	ISB		P10411A	95GE615	04/11/95	12:34	BH	Q	CONC
20	20%STD		P10411A	95GE615	04/11/95	12:37	BH	Q	CONC
21	50%STD		P10411A	95GE615	04/11/95	12:40	BH	Q	CONC
22	CCV	1	P10411A	95GE615	04/11/95	12:43	BH	Q	CONC
23	CCB		P10411A	95GE615	04/11/95	12:46	BH	Q	CONC
24	95GE615-MB1		P10411A	95GE615	04/11/95	12:49	BH	S	CONC
25	95GE615-LC1		P10411A	95GE615	04/11/95	12:52	BH	S	CONC
26	95GE615-LC2		P10411A	95GE615	04/11/95	12:55	BH	S	CONC
~~27~~	~~9504G160-002~~		~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~12:58~~	~~BH~~	~~S~~	~~CONC~~
28	9504G160-007		P10411A	95GE615	04/11/95	13:01	BH	S	CONC
29	9504G160-012		P10411A	95GE615	04/11/95	13:04	BH	S	CONC
30	9504G160-017		P10411A	95GE615	04/11/95	13:06	BH	S	CONC
31	9504G160-022		P10411A	95GE615	04/11/95	13:09	BH	S	CONC
32	9504G160-027	1	P10411A	95GE615	04/11/95	13:12	BH	S	CONC
~~33~~	~~9504G160-027R~~	~~1~~	~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~13:15~~	~~BH~~	~~S~~	~~CONC~~ BH 4/11/95
34	CCV	2	P10411A	95GE615	04/11/95	13:18	BH	Q	CONC
35	CCB		P10411A	95GE615	04/11/95	13:21	BH	Q	CONC
~~36~~	~~9504G160-027S~~	~~1~~	~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~13:24~~	~~BH~~	~~S~~	~~CONC~~
37	9504G160-027L	1	P10411A	95GE615	04/11/95	13:27	BH	S	CONC
38	9503G001-001A-5X	1	P10411A	95GE615	04/11/95	13:30	BH	S	CONC
39	CRI		P10411A	95GE615	04/11/95	13:32	BH	Q	CONC
40	ISA		P10411A	95GE615	04/11/95	13:35	BH	Q	CONC
~~41~~	~~ISB~~		~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~13:38~~	~~BH~~	~~Q~~	~~CONC~~ BH 4/11/95
42	CCV	3	P10411A	95GE615	04/11/95	13:41	BH	Q	CONC
43	CCB		P10411A	95GE615	04/11/95	13:44	BH	Q	CONC
44	9504G160-002-5X	1	P10411A	95GE615	04/11/95	14:25	BH	S	CONC
45	9504G160-007-5X	1	P10411A	95GE615	04/11/95	14:28	BH	S	CONC
46	9504G160-012-5X	1	P10411A	95GE615	04/11/95	14:31	BH	S	CONC
47	9504G160-017-5X	1	P10411A	95GE615	04/11/95	14:34	BH	S	CONC
48	9504G160-022-5X	1	P10411A	95GE615	04/11/95	14:37	BH	S	CONC
49	9504G160-027-5X	1	P10411A	95GE615	04/11/95	14:40	BH	S	CONC
50	9504G160-027R-5X	1	P10411A	95GE615	04/11/95	14:43	BH	S	CONC
51	9504G160-027S-5X	1	P10411A	95GE615	04/11/95	14:46	BH	S	CONC
52	9504G160-027L-25X	1	P10411A	95GE615	04/11/95	14:49	BH	S	CONC
53	9503G001-001A-5X	1	P10411A	95GE615	04/11/95	14:52	BH	S	CONC

* No Se; added I.E.C. and ~~Assay in P10412C~~ GFAA will report Se.

Analysis Report Summary Tue 04-11-95 03:29:27 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV 4	P10411A	95GE615	04/11/95	14:55	BH	Q	CONC
55	CCB	P10411A	95GE615	04/11/95	14:58	BH	Q	CONC
~~56~~	~~CRI~~	~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~15:01~~	~~BH~~	~~Q~~	~~CONC~~
~~57~~	~~ICA~~	~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~15:04~~	~~BH~~	~~Q~~	~~CONC~~ BH 4/12/95
58	CRI	P10411A	95GE615	04/11/95	15:08	BH	Q	CONC
59	ICA	P10411A	95GE615	04/11/95	15:11	BH	Q	CONC
60	ICB	P10411A	95GE615	04/11/95	15:14	BH	Q	CONC
~~61~~	~~CCV~~	~~P10411A~~	~~95GE615~~	~~04/11/95~~	~~15:17~~	~~BH~~	~~Q~~	~~CONC~~ BH 4/12/95
62	CCV 5	P10411A	95GE615	04/11/95	15:21	BH	Q	CONC
63	CCB	P10411A	95GE615	04/11/95	15:24	BH	Q	CONC

GFAA will report Se for 4G160 batch.

JM 4/13/95

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WESTON Environmental Metrics, Inc.
IC1 - ICAP 1100
CLP Cover Sheet

Raw Run/Filename: P10411A

Analysis Date: 4/11/95

Standard Traceability:

Calibration Standard Source(s) ID:

Source ID
686 : 690 : 689
691 : 703 : 713

	Book # - Page - Line
ICV Solution #:	1276 - 69 - 2
CCV Solution #:	1276 - 72 - 4
ICSA Solution #:	1276 - 69 - 4
ICSAB Solution #:	1276 - 69 - 5
CRI Solution #:	1276 - 69 - 3
20% Standard Solution #:	1276 - 68 - 2
50% Standard Solution #:	1276 - 68 - 3

RFW's to Copy: 9504G160
9503G001

Analyst Signature: Brian L. Hamende Date: 4/11/95

Reviewer Signature: Joan L Wojcik Date: 4/13/95

P10411A Brian D. Hamende

Method: 95GE615 Standard: S0

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	.00453	.00104	.00003	-.00010	.00056	.00022	.00776
SDev	.00015	.00052	.00007	.00003	.00015	.00022	.00003
%RSD	3.2504	50.212	228.15	24.760	26.663	104.01	.45153
#1	.00437	.00104	-.00004	-.00009	.00048	.00035	.00774
#2	.00466	.00157	.00009	-.00009	.00048	-.00004	.00780
#3	.00456	.00052	.00004	-.00013	.00074	.00035	.00773

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00068	-.00026	.00029	.00030	.00017	.00040	.00042
SDev	.00031	.00008	.00007	.00004	.00026	.00047	.00005
%RSD	45.066	28.883	23.088	14.162	149.67	115.68	11.963
#1	.00065	-.00022	.00022	.00030	-.00009	.00074	.00039
#2	.00100	-.00022	.00030	.00026	.00017	-.00013	.00039
#3	.00039	-.00035	.00035	.00035	.00043	.00061	.00048

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Avge	.00019	.00136	.00123	.00171	.00137	.00007	-.02179
SDev	.00005	.00029	.00011	.00027	.00025	.00003	.00034
%RSD	26.879	21.545	8.6654	15.901	17.991	34.850	1.5822
#1	.00013	.00104	.00134	.00186	.00151	.00004	-.02155
#2	.00022	.00161	.00122	.00139	.00109	.00009	-.02164
#3	.00022	.00143	.00113	.00187	.00152	.00009	-.02219

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.00113	.00003	.00033	.00019	-.00046	.00029
SDev	.00022	.00007	.00007	.00007	.00062	.00095
%RSD	19.669	230.07	19.764	35.565	133.16	327.44
#1	.00138	.00004	.00035	.00013	-.00117	.00000
#2	.00100	-.00004	.00026	.00026	-.00017	-.00048
#3	.00100	.00009	.00039	.00017	-.00004	.00135

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23037	--	--	--	--	--	--
SDev	75.56675	--	--	--	--	--	--
%RSD	.3280281	--	--	--	--	--	--
#1	23114	--	--	--	--	--	--
#2	22963	--	--	--	--	--	--

#3	23033	--	--	--	--	--	--

Method: 95GE615 Standard: S

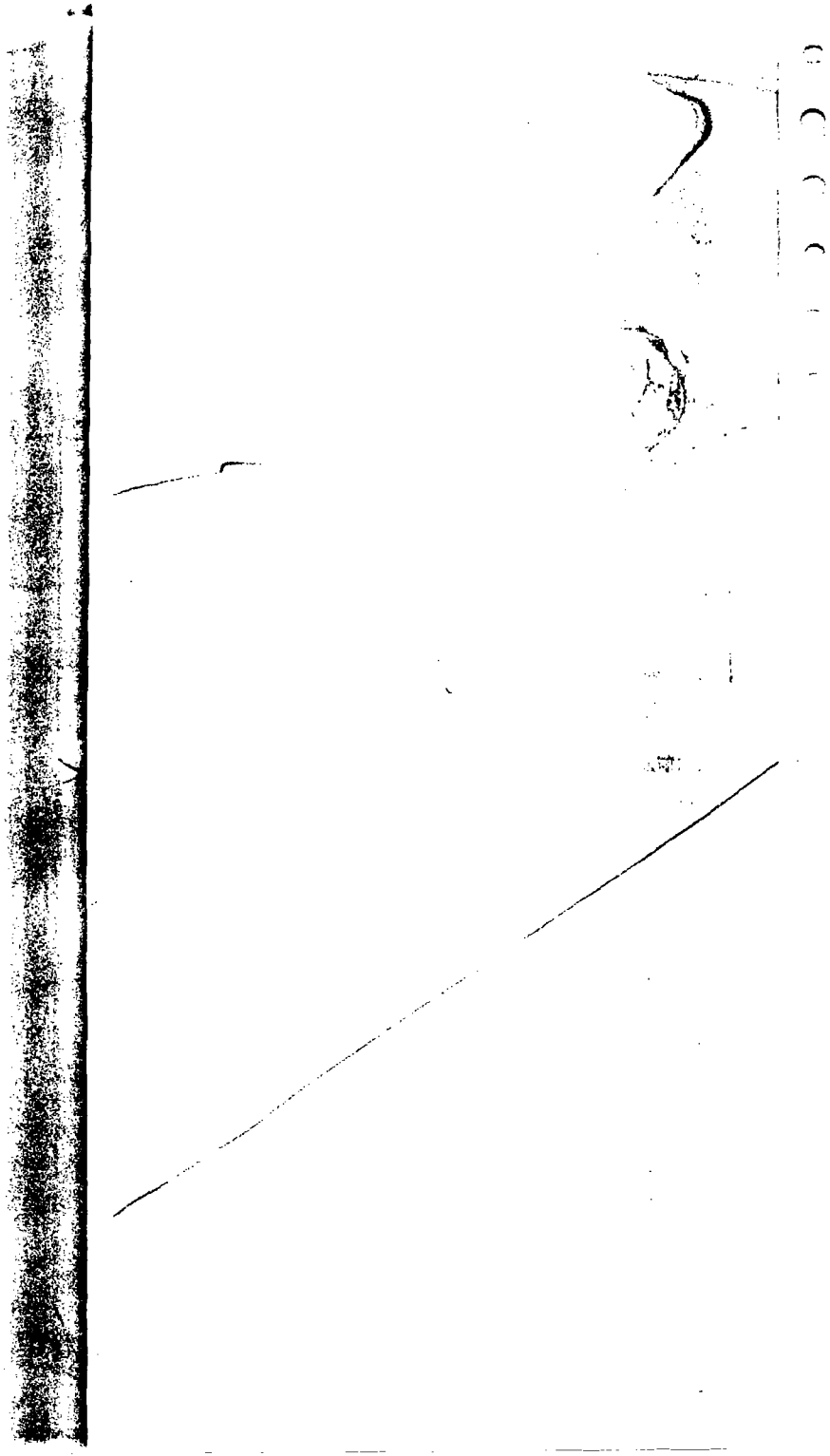
Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Avge	3.5846	.16929	2.8958	.65888	1.1141	.63414	7.0942
SDev	.0032	.00215	.0047	.00144	.0014	.00146	.0161
%RSD	.08815	1.2723	.16210	.21894	.12158	.22998	.22727
#1	3.5870	.16720	2.8976	.65784	1.1138	.63527	7.0881
#2	3.5858	.16916	2.8993	.65827	1.1129	.63250	7.0820
#3	3.5810	.17150	2.8905	.66053	1.1155	.63466	7.1124

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	2.4570	1.5936	.37688	4.5578	.31182	1.7475	1.5568
SDev	.0030	.0037	.00040	.0046	.00128	.0005	.0018
%RSD	.12118	.23173	.10580	.10102	.40907	.02830	.11544
#1	2.4595	1.5932	.37715	4.5602	.31230	1.7477	1.5566
#2	2.4537	1.5900	.37707	4.5525	.31038	1.7478	1.5550
#3	2.4577	1.5974	.37642	4.5607	.31279	1.7469	1.5586

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Avge	.40572	1.1318	.52352	.41457	4.6772	1.2216	.19330
SDev	.00071	.0016	.00051	.00113	.0151	.0013	.00124
%RSD	.17549	.14071	.09802	.27214	.32180	.10459	.64069
#1	.40494	1.1327	.52366	.41509	4.6844	1.2222	.19388
#2	.40587	1.1300	.52395	.41327	4.6873	1.2225	.19188
#3	.40634	1.1328	.52295	.41533	4.6599	1.2201	.19414

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Avge	.13251	1.9334	.87070	1.5134	.51762	.52026
SDev	.00038	.0016	.00400	.0004	.00425	.00299
%RSD	.28347	.08364	.45910	.02626	.82150	.57550
#1	.13294	1.9344	.86757	1.5138	.51904	.51925
#2	.13228	1.9315	.86933	1.5131	.51285	.51791
#3	.13229	1.9342	.87521	1.5131	.52099	.52363

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23441	--	--	--	--	--	--
SDev	82.79090	--	--	--	--	--	--
%RSD	.3531935	--	--	--	--	--	--
#1	23349	--	--	--	--	--	--
#2	23510	--	--	--	--	--	--
#3	23463	--	--	--	--	--	--



Run Time: 04/11/95 12:19:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	100.28	2.0072	20.114	5.0082	10.034	5.0182	100.24
SDev	.04	.0315	.017	.0033	.008	.0078	.12
%RSD	.03531	1.5698	.08223	.06525	.08327	.15642	.11997
#1	100.30	1.9795	20.095	5.0105	10.028	5.0242	100.36
#2	100.31	2.0415	20.127	5.0045	10.031	5.0093	100.12
#3	100.24	2.0006	20.120	5.0097	10.043	5.0210	100.24
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.00	2.0000	20.000	5.0000	10.000	5.0000	100.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.019	10.014	10.023	50.008	10.065	100.43	10.024
SDev	.017	.006	.005	.029	.045	.09	.007
%RSD	.16812	.06119	.04594	.05797	.45080	.09085	.07482
#1	10.038	10.021	10.026	50.041	10.115	100.33	10.033
#2	10.014	10.012	10.025	49.989	10.027	100.50	10.022
#3	10.006	10.009	10.018	49.992	10.052	100.46	10.018
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	10.000	50.000	10.000	100.00	10.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.024	10.004	100.65	2.0080	100.69	10.033	20.084
SDev	.004	.004	.40	.0019	.40	.004	.031
%RSD	.04470	.03558	.39979	.09346	.39709	.03822	.15278
#1	10.018	10.001	101.10	2.0086	101.15	10.037	20.118
#2	10.026	10.002	100.34	2.0095	100.51	10.031	20.057
#3	10.027	10.008	100.50	2.0059	100.41	10.030	20.077
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	100.00	2.0000	100.00	10.000	20.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.094	10.017	10.027	10.024	10.050	10.093
SDev	.031	.005	.009	.004	.015	.065
%RSD	.30459	.04549	.09081	.04140	.14564	.64877
#1	10.086	10.022	10.031	10.019	10.066	10.022
#2	10.068	10.013	10.032	10.026	10.045	10.150
#3	10.128	10.016	10.016	10.026	10.038	10.108

Value	10.000	10.000	10.000	10.000	10.000	10.000	
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23399	--	--	--	--	--	--
SDev	52.08007	--	--	--	--	--	--
%RSD	.2225771	--	--	--	--	--	--
#1	23345	--	--	--	--	--	--
#2	23402	--	--	--	--	--	--
#3	23449	--	--	--	--	--	--

Method: 95GE615 Sample Name: ICV Operator: BH
Run Time: 04/11/95 12:22:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	40.594	.85582	8.2424	2.0319	4.1159	2.0715	41.008
SDev	.004	.02064	.0028	.0051	.0124	.0073	.154
%RSD	.01015	2.4121	.03353	.25277	.30045	.35122	.37549
#1	40.591	.87806	8.2432	2.0373	4.1260	2.0798	41.183
#2	40.598	.83726	8.2393	2.0312	4.1195	2.0662	40.951
#3	40.592	.85215	8.2446	2.0271	4.1021	2.0686	40.891
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	40.000	.80000	8.0000	2.0000	4.0000	2.0000	40.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1761	4.1919	4.1388	20.564	4.1130	41.010	4.0770
SDev	.0126	.0120	.0045	.035	.0292	.183	.0108
%RSD	.30082	.28580	.10918	.17126	.70947	.44678	.26597
#1	4.1906	4.2053	4.1336	20.599	4.1328	41.221	4.0875
#2	4.1700	4.1824	4.1420	20.563	4.1266	40.896	4.0778
#3	4.1678	4.1880	4.1407	20.529	4.0795	40.913	4.0658
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	20.000	4.0000	40.000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

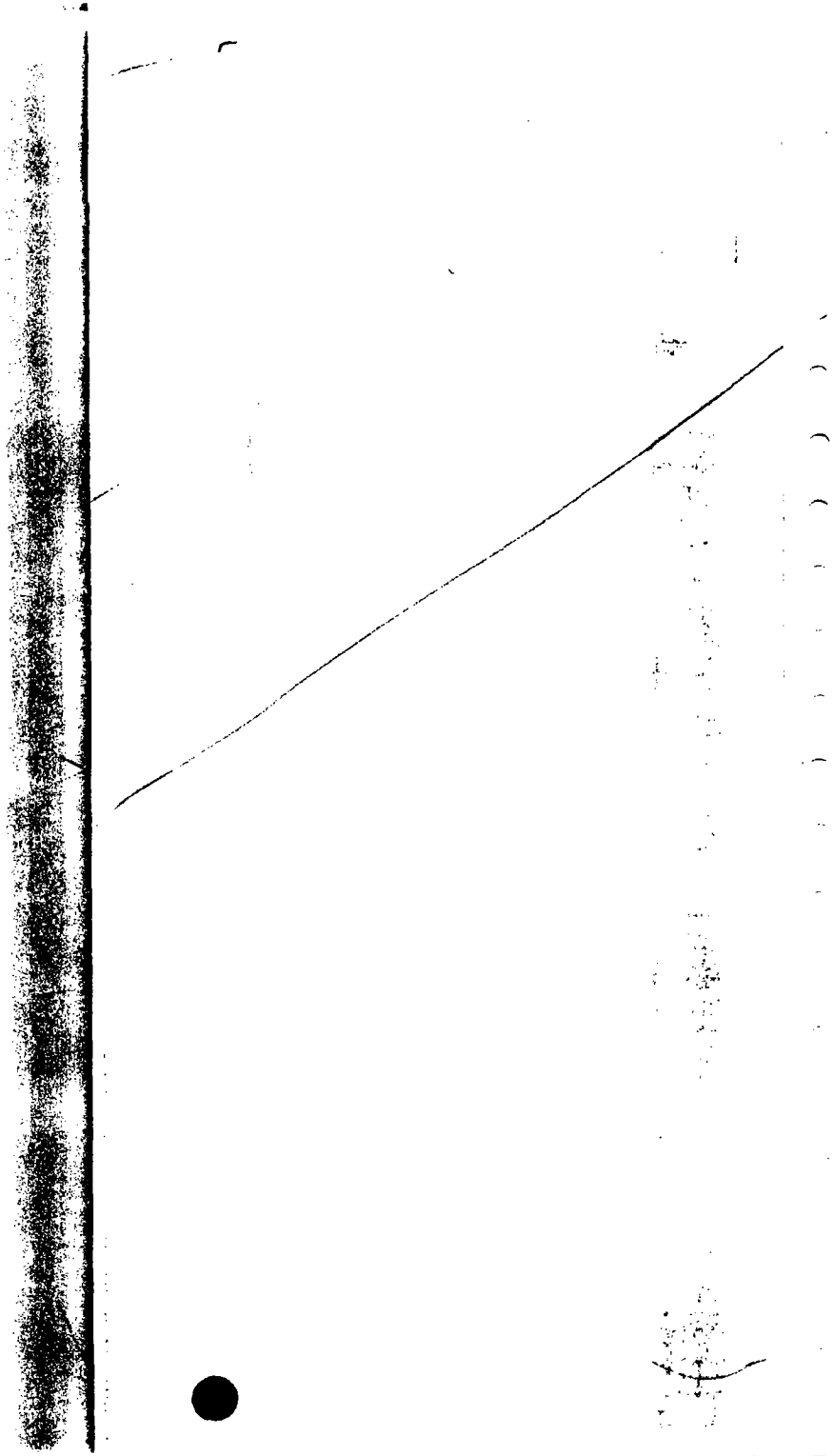
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.1163	4.1711	40.945	.81778	40.435	4.1116	8.2534
SDev	.0080	.0154	.322	.00240	.284	.0047	.0424
%RSD	.19333	.36879	.78527	.29368	.70233	.11496	.51368

#3	4.1087	4.1568	40.774	.81563	40.310	4.1164	8.2182

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	40.000	.80000	40.000	4.0000	8.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	4.2013	4.1499	4.0967	4.1250	4.0610	4.0867	
SDev	.0155	.0071	.0082	.0015	.0075	.0190	
%RSD	.36890	.17228	.20098	.03556	.18579	.46565	
#1	4.2192	4.1580	4.1046	4.1257	4.0685	4.1033	
#2	4.1917	4.1472	4.0972	4.1260	4.0611	4.0908	
#3	4.1930	4.1445	4.0882	4.1233	4.0534	4.0659	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23099	--	--	--	--	--	--
SDev	65.01025	--	--	--	--	--	--
%RSD	.2814378	--	--	--	--	--	--
#1	23173	--	--	--	--	--	--
#2	23075	--	--	--	--	--	--
#3	23050	--	--	--	--	--	--

Method: 95GE615 Sample Name: ICB Operator: BH
Run Time: 04/11/95 12:25:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00304	.00407	.00121	.00055	.00652	.00030	.00312
SDev	.01245	.00845	.00035	.00019	.00283	.00075	.00734
%RSD	409.68	207.91	29.164	35.161	43.459	253.22	235.04
#1	.00137	.01313	.00162	.00043	.00918	.00021	.00922
#2	.00661	-.00361	.00102	.00077	.00684	.00109	.00518
#3	-.01710	.00268	.00100	.00044	.00354	-.00041	-.00503
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00291	.00284	.00008	.00293	.00721	-.00792	.00088



#1	.00567	.00413	.00166	.00440	.02136	.01724	.00127
#2	.00086	.00275	-.00066	.00200	.00863	-.01546	.00071
#3	.00221	.00164	-.00076	.00240	-.00838	-.02554	.00066
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00909	-.00147	.11499	.00053	.00661	.00049	.05463
SDev	.00174	.00167	.06578	.00146	.00541	.00036	.03709
%RSD	19.127	113.93	57.204	278.48	81.840	74.148	67.885
#1	.01057	.00038	.18605	.00090	.01014	.00085	.06133
#2	.00953	-.00189	.10268	.00177	.00930	.00013	.01465
#3	.00717	-.00288	.05623	-.00109	.00038	.00048	.08791
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.01218	.00244	.00073	.00127	.00679	.02139	
SDev	.00538	.00182	.00054	.00061	.00653	.01936	
%RSD	44.217	74.877	73.549	48.278	96.155	90.524	
#1	-.00864	.00420	.00073	.00196	.01400	.03613	
#2	-.01837	.00055	.00126	.00109	.00128	.02857	
#3	-.00952	.00256	.00019	.00077	.00509	-.00054	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22778	--	--	--	--	--	--
SDev	172.3553	--	--	--	--	--	--
%RSD	.7566631	--	--	--	--	--	--
#1	22712	--	--	--	--	--	--
#2	22649	--	--	--	--	--	--
#3	22974	--	--	--	--	--	--

Method: 95GE615 Sample Name: CRI Operator: BH
Run Time: 04/11/95 12:28:37
Comme
Mode: CONC Corr. Factor: 1

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.41237	.12542	.41885	.01065	.21962	.01066	2.1084
SDev	.00649	.00369	.00112	.00034	.00160	.00031	.0043
%RSD	1.5745	2.9428	.26769	3.1522	.73045	2.9246	.20594
#1	.41708	.12664	.41957	.01069	.22100	.01088	2.1080
#2	.41507	.12835	.41942	.01096	.22001	.01030	2.1129
#3	.40497	.12128	.41756	.01029	.21786	.01079	2.1042
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.02410	.10969	.05118	.21155	.11684	2.1021	.03133
SDev	.00692	.00197	.00115	.00117	.00756	.0225	.00071
%RSD	28.713	1.7924	2.2450	.55476	6.4701	1.0705	2.2679
#1	.01632	.10743	.05144	.21216	.10847	2.0823	.03213
#2	Q.02643	.11088	.04993	.21228	Q.12317	2.1266	.03108
#3	Q.02956	.11078	.05218	.21019	.11888	2.0974	.03078
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21505	.08754	2.0895	.02220	2.1046	.21045	.47627
SDev	.00225	.00236	.0336	.00230	.0033	.00030	.06375
%RSD	1.0466	2.6974	1.6076	10.372	.15617	.14212	13.385
#1	.21530	.08754	2.0551	.01961	2.1015	.21030	.40307
#2	.21717	.08991	2.0911	Q.02402	2.1043	.21079	Q.50614
#3	.21269	.08518	2.1223	.02295	2.1081	.21026	Q.51961
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20179	.10768	.04438	.21255	.21687	.20611
SDev	.01463	.00201	.00076	.00032	.00760	.01318
%RSD	7.2500	1.8651	1.7207	.15203	3.5046	6.3963
#1	.19431	.10543	.04526	.21291	.22110	.19356
#2	.21864	.10930	.04395	.21247	.20809	.20493
#3	.19240	.10831	.04392	.21228	.22141	.21984
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23003	--	--	--	--	--	--
SDev	87.17798	--	--	--	--	--	--
%RSD	.3789853	--	--	--	--	--	--
#1	22903	--	--	--	--	--	--
#2	23043	--	--	--	--	--	--
#3	23063	--	--	--	--	--	--

Method: 95GE615 Sample Name: ISA Operator: BH
Run Time: 04/11/95 12:31:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	512.45	-.00619	.00142	.00010	.00817	.00355	508.26
SDev	.20	.00802	.00036	.00033	.00059	.00220	1.40
%RSD	.03905	129.51	25.028	339.23	7.2609	62.151	.27557
#1	512.59	-.01068	.00163	.00010	.00752	.00487	506.65
#2	512.54	-.01096	.00162	-.00023	.00831	.00477	509.15
#3	512.22	.00307	.00101	.00043	.00869	.00100	508.98
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00
Range	20.000						20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00424	.00032	.00246	191.89	-.01210	517.03	-.00371
SDev	.00329	.00016	.00134	.20	.01477	.25	.00026
%RSD	77.613	49.118	54.406	.10278	122.07	.04913	6.8938
#1	.00127	.00022	.00173	191.67	-.01831	517.00	-.00347
#2	.00778	.00051	.00400	192.02	-.02274	517.29	-.00398
#3	.00367	.00024	.00164	191.99	.00476	516.79	-.00368
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00720	-.01094	-.07248	-.00816	.00832	.00638	.14679
SDev	.00227	.00287	.04910	.00137	.00418	.00020	.10137
%RSD	31.499	26.251	67.734	16.795	50.301	3.1591	69.056
#1	-.00902	-.01056	-.10830	-.00866	.01136	.00630	.05025
#2	-.00466	-.00828	-.01652	-.00661	.00355	.00661	.25238
#3	-.00790	-.01398	-.09264	-.00922	.01005	.00624	.13773

Range

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02252	.00330	-.01971	.01285	-.02279	.09154
SDev	.00145	.00134	.00093	.00057	.05292	.04056
%RSD	6.4548	40.724	4.7046	4.4787	232.17	44.308
#1	.02416	.00197	-.02035	.01291	.00785	.06072
#2	.02201	.00466	-.02013	.01339	-.08390	.07641
#3	.02138	.00327	-.01865	.01224	.00767	.13749
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22704	--	--	--	--	--	--
SDev	106.4096	--	--	--	--	--	--
%RSD	.4686821	--	--	--	--	--	--
#1	22585	--	--	--	--	--	--
#2	22737	--	--	--	--	--	--
#3	22790	--	--	--	--	--	--

Method: 95GE615 Sample Name: ISB Operator: BH
Run Time: 04/11/95 12:34:27
Comment:
Mode: CONC Corr. Factor: 1

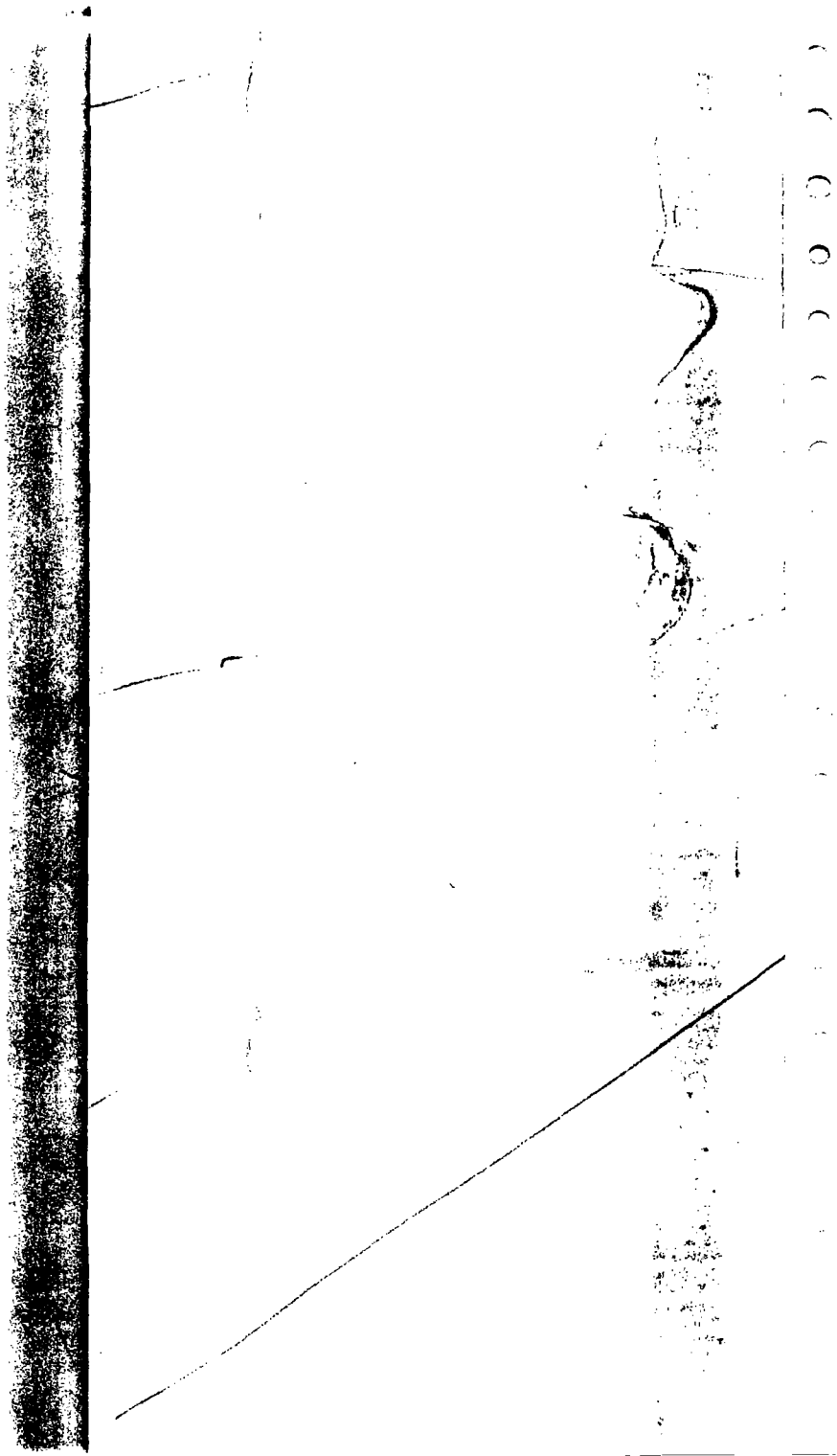
Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	512.73	.01354	.49667	.48925	.00796	1.0046	509.51
SDev	.30	.00613	.00149	.00048	.00416	.0039	.70
%RSD	.05772	45.267	.29973	.09802	52.211	.38603	.13680
#1	512.53	.01794	.49713	.48968	.00956	1.0090	510.01
#2	513.07	.00654	.49787	.48873	.01109	1.0018	508.71
#3	512.59	.01614	.49500	.48933	.00324	1.0030	509.80
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48640	.48439	.51173	191.74	.96950	517.24	.47483
SDev	.00255	.00238	.00043	.16	.01504	.59	.00074
%RSD	.52410	.49067	.08406	.08398	1.5513	.11368	.15600
#1	.48934	.48606	.51136	191.92	.98462	517.83	

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00791	.95406	-.01430	.99621	.00375	.00638	.19187
SDev	.00346	.00256	.04322	.00170	.00589	.00004	.03650
%RSD	43.772	.26830	302.11	.17054	156.77	.58251	19.024
#1	-.00539	.95700	.03306	.99470	.00624	.00638	.23003
#2	-.01185	.95284	-.05158	.99589	.00799	.00635	.18830
#3	-.00647	.95234	-.02439	.99805	-.00297	.00642	.15729
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00690	.50103	.96074	.01350	4.9979	4.9879	
SDev	.02039	.00288	.00661	.00066	.0159	.0536	
%RSD	295.49	.57488	.68794	4.9152	.31851	1.0745	
#1	.02093	.50401	.96660	.01391	5.0136	5.0267	
#2	-.01649	.50085	.96204	.01274	4.9982	4.9267	
#3	.01626	.49825	.95358	.01385	4.9818	5.0103	
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	
Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22801	--	--	--	--	--	--
SDev	115.8318	--	--	--	--	--	--
%RSD	.5080118	--	--	--	--	--	--
#1	22817	--	--	--	--	--	--
#2	22908	--	--	--	--	--	--
#3	22678	--	--	--	--	--	--

Method: 95GE615 Sample Name: 20%STD Operator: BH
Run Time: 04/11/95 12:37:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.260	.42072	4.0424	1.0294	2.0484	1.0416	20.640
SDev	.025	.01542	.0077	.0004	.0028	.0029	.060



#1	20.231	.43258	4.0335	1.0289	2.0470	1.0439	20.698
#2	20.277	.40328	4.0469	1.0297	2.0466	1.0384	20.644
#3	20.273	.42630	4.0467	1.0296	2.0516	1.0424	20.579
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	.40000	4.0000	1.0000	2.0000	1.0000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0983	2.1027	2.0391	10.471	2.0730	20.307	2.0582
SDev	.0075	.0028	.0034	.011	.0095	.037	.0027
%RSD	.35555	.13242	.16526	.10858	.45878	.18044	.13155
#1	2.1034	2.1043	2.0352	10.477	2.0760	20.270	2.0578
#2	2.1018	2.1043	2.0407	10.479	2.0807	20.343	2.0610
#3	2.0897	2.0995	2.0413	10.458	2.0624	20.308	2.0556
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	10.000	2.0000	20.000	2.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0709	2.1018	20.073	.41527	20.166	2.0428	4.0403
SDev	.0095	.0022	.124	.00075	.039	.0039	.0501
%RSD	.45678	.10429	.61681	.17958	.19346	.18844	1.2409
#1	2.0600	2.1043	20.007	.41457	20.125	2.0384	4.0791
#2	2.0756	2.1007	20.216	.41518	20.202	2.0457	3.9837
#3	2.0770	2.1004	19.996	.41605	20.170	2.0443	4.0581
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	20.000	.40000	20.000	2.0000	4.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	2.0945	2.0655	2.0958	2.0506	2.0772	2.0458	
SDev	.0173	.0032	.0098	.0021	.0134	.0365	
%RSD	.82554	.15547	.46591	.10391	.64516	1.7848	
#1	2.1144	2.0646	2.1068	2.0482	2.0675	2.0709	
#2	2.0861	2.0690	2.0922	2.0523	2.0925	2.0039	
#3	2.0831	2.0627	2.0883	2.0512	2.0716	2.0625	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	
Range	10.000	10.000	10.000	10.000	10.000	10.000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

%RSD	.2552856	--	--	--	--	-	--
#1	23098	--	--	--	--	--	--
#2	22984	--	--	--	--	--	--
#3	23016	--	--	--	--	--	--

Method: 95GE615 Sample Name: 50%STD Operator: BH
Run Time: 04/11/95 12:40:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.052	1.0560	10.281	2.5730	5.1648	2.5788	51.185
SDev	.033	.0107	.002	.0042	.0052	.0088	.091
%RSD	.06400	1.0100	.01467	.16374	.10146	.34271	.17758
#1	51.083	1.0674	10.279	2.5777	5.1639	2.5706	51.266
#2	51.018	1.0463	10.282	2.5718	5.1600	2.5881	51.086
#3	51.055	1.0543	10.282	2.5695	5.1704	2.5776	51.202
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1677	5.1811	5.1286	25.867	5.1699	51.219	5.1263
SDev	.0158	.0073	.0086	.036	.0138	.097	.0067
%RSD	.30667	.14031	.16849	.14032	.26761	.18998	.12977
#1	5.1799	5.1833	5.1364	25.909	5.1859	51.268	5.1339
#2	5.1734	5.1730	5.1193	25.841	5.1617	51.107	5.1235
#3	5.1497	5.1870	5.1301	25.852	5.1622	51.283	5.1215
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1777	5.1763	51.089	1.0326	51.224	5.1639	10.166
SDev	.0054	.0073	.097	.0040	.039	.0028	.096
%RSD	.10494	.14018	.18935	.39108	.07625	.05460	.94751
#1	5.1732	5.1847	51.195	1.0350	51.265	5.1662	10.233
#2	5.1763	5.1725	51.068	1.0280	51.187	5.1647	10.056
#3	5.1838	5.1718	51.005	1.0349	51.221	5.1608	10.211
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960

SDev	.0275	.0061	.0139	.0032	.0329	.0401
%RSD	.53078	.11859	.26897	.06151	.63998	.77301
#1	5.1971	5.1516	5.1764	5.1425	5.1640	5.2163
#2	5.1428	5.1398	5.1526	5.1364	5.0990	5.2079
#3	5.1770	5.1431	5.1770	5.1381	5.1400	5.1430
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	10.000	10.000	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23130	--	--	--	--	--	--
SDev	72.33948	--	--	--	--	--	--
%RSD	.3127517	--	--	--	--	--	--
#1	23193	--	--	--	--	--	--
#2	23146	--	--	--	--	--	--
#3	23051	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCV Operator: BH
Run Time: 04/11/95 12:43:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.425	1.0368	10.190	2.5018	5.1467	2.5485	51.089
SDev	.090	.0089	.001	.0029	.0074	.0118	.118
%RSD	.17475	.86255	.01127	.11497	.14335	.46291	.23160
#1	51.500	1.0296	10.191	2.5013	5.1487	2.5614	51.225
#2	51.326	1.0468	10.190	2.5049	5.1528	2.5383	51.014
#3	51.450	1.0340	10.188	2.4992	5.1385	2.5458	51.027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1288	5.2281	5.1322	25.820	5.1520	51.161	5.0920
SDev	.0096	.0217	.0022	.023	.0129	.083	.0077
%RSD	.18653	.41446	.04367	.09079	.25086	.16151	.15165
#1	5.1390	5.2518	5.1347	25.846	5.1533	51.241	5.1007
#2	5.1200	5.2093	5.1304	25.801	5.1642	51.164	5.0860
#3	5.1273	5.2232	5.1314	25.812	5.1385	51.076	5.0893
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1952	5.1806	50.161	1.0151	49.546	5.1090	10.170
SDev	.0149	.0182	.118	.0051	.122	.0022	.086
%RSD	.28680	.35156	.23610	.50176	.24609	.04368	.84851
#1	5.2047	5.2015	50.292	1.0210	49.686	5.1066	10.234
#2	5.1780	5.1720	50.129	1.0119	49.488	5.1093	10.204
#3	5.2028	5.1683	50.061	1.0124	49.464	5.1111	10.072
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1528	5.1990	5.1339	5.1633	5.1447	5.1502
SDev	.0350	.0072	.0299	.0044	.0164	.0560
%RSD	.67981	.13845	.58285	.08585	.31864	1.0882
#1	5.1801	5.2071	5.1647	5.1683	5.1456	5.1092
#2	5.1133	5.1968	5.1319	5.1598	5.1607	5.1273
#3	5.1651	5.1932	5.1049	5.1619	5.1279	5.2141
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22949	--	--	--	--	--	--
SDev	187.6602	--	--	--	--	--	--
%RSD	.8177388	--	--	--	--	--	--
#1	22736	--	--	--	--	--	--
#2	23091	--	--	--	--	--	--
#3	23019	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCB Operator: BH
Run Time: 04/11/95 12:46:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00087	-.00684	.00099	.00044	.00923	-.00323	-.00129
SDev	.00692	.00239	.00001	.00033	.00409	.00144	.00486
%RSD	793.16	34.974	.65064	73.577	44.345	44.500	375.80
#1	.00661	-.00706	.00099	.00012	.01385	-.00187	.00389
#2	-.00219	-.00435	.00099	.00077	.00776	-.00308	-.00575
#3	-.00704	-.00912	.00098	.00044	.00608	-.00471	-.00202

Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00146	.00263	-.00084	.00500	.00456	-.00414	.00071
SDev	.00266	.00102	.00004	.00075	.00284	.02972	.00016
%RSD	182.44	38.907	4.3204	14.896	62.237	718.20	22.321
#1	.00355	.00380	-.00085	.00562	.00549	.01872	.00089
#2	.00236	.00191	-.00080	.00521	.00137	.00661	.00064
#3	-.00153	.00218	-.00087	.00417	.00681	-.03774	.00060
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00774	-.00025	.06084	.00102	.02788	.00035	.01583
SDev	.00375	.00183	.02994	.00168	.00567	.00021	.02049
%RSD	48.383	725.14	49.202	164.00	20.341	59.785	129.40
#1	.01126	-.00066	.09353	.00294	.03214	.00046	.02920
#2	.00816	.00175	.05424	.00032	.02145	.00047	-.00775
#3	.00380	-.00185	.03476	-.00019	.03006	.00011	.02606
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.01152	.00142	.00063	.00141	.01780	.01801	
SDev	.00195	.00059	.00049	.00034	.00598	.01552	
%RSD	16.911	41.813	77.799	24.029	33.568	86.163	
#1	-.01372	.00209	.00013	.00159	.01123	.01766	
#2	-.01002	.00099	.00065	.00161	.02291	.03370	
#3	-.01082	.00117	.00111	.00102	.01926	.00267	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23264	--	--	--	--	--	--
SDev	125.6437	--	--	--	--	--	--
%RSD	.5400699	--	--	--	--	--	--
#1	23279	--	--	--	--	--	--

#2	19825	--	--	--	--	--	--

BH 4/11/95

#3	19716	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCV 2 Operator: BH
Run Time: 04/11/95 13:18:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.483	1.0483	10.205	2.4965	5.1436	2.5570	50.933
SDev	.038	.0049	.004	.0042	.0117	.0043	.125
%RSD	.07305	.47040	.03752	.16654	.22742	.16951	.24612
#1	51.492	1.0503	10.201	2.4942	5.1345	2.5531	51.015
#2	51.442	1.0519	10.205	2.5013	5.1396	2.5564	50.789
#3	51.516	1.0427	10.209	2.4939	5.1568	2.5617	50.995
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1660	5.2464	5.1338	25.875	5.1741	51.321	5.0977
SDev	.0196	.0141	.0018	.050	.0042	.183	.0114
%RSD	.37874	.26841	.03428	.19395	.08026	.35564	.22301
#1	5.1614	5.2499	5.1330	25.868	5.1768	51.272	5.0952
#2	5.1492	5.2309	5.1326	25.829	5.1693	51.169	5.0878
#3	5.1875	5.2585	5.1358	25.928	5.1762	51.523	5.1101
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2276	5.1991	50.052	1.0178	49.290	5.1264	10.070
SDev	.0132	.0117	.149	.0026	.072	.0035	.123
%RSD	.25161	.22442	.29700	.25852	.14699	.06890	1.2238
#1	5.2231	5.2098	50.000	1.0149	49.292	5.1287	10.018
#2	5.2173	5.1866	49.937	1.0200	49.217	5.1224	9.9814
#3	5.2424	5.2009	50.220	1.0187	49.362	5.1282	10.211
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1643	5.2112	5.1439	5.1574	5.1986	5.1750
SDev	.0453	.0060	.0194	.0062	.0335	.0517

#1	5.1267	5.2095	5.1574	5.1581	5.2107	5.1173
#2	5.1515	5.2063	5.1216	5.1508	5.1608	5.1907
#3	5.2146	5.2179	5.1527	5.1632	5.2243	5.2170

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23070	--	--	--	--	--	--
SDev	170.8928	--	--	--	--	--	--
%RSD	.7407468	--	--	--	--	--	--
#1	22986	--	--	--	--	--	--
#2	23267	--	--	--	--	--	--
#3	22958	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCB Operator: BH
Run Time: 04/11/95 13:21:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00084	-.00691	.00101	.00055	.00715	-.00007	.09680
SDev	.00770	.01317	.00030	.00019	.00390	.00205	.03084
%RSD	914.09	190.44	29.749	35.050	54.579	3111.7	31.857
#1	.00112	.00102	.00101	.00077	.01152	-.00221	.13052
#2	.00568	-.00227	.00071	.00044	.00400	.00015	.08982
#3	-.00933	-.02200	.00131	.00044	.00593	.00187	.07005

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00237	.00201	-.00032	.00501	-.00417	-.00126	.00087
SDev	.00286	.00235	.00069	.00157	.00614	.03585	.00016
%RSD	120.80	117.07	217.22	31.306	147.49	2834.6	18.520
#1	.00530	.00468	.00048	.00679	-.00133	.02971	.00098
#2	-.00042	.00026	-.00070	.00437	.00005	.00704	.00069
#3	.00223	.00109	-.00073	.00386	-.01122	-.04054	.00096

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM

SDev	.00169	.00374	.05320	.00253	.02013	.00055	.01939
%RSD	21.109	1042.7	79.662	351.14	56.984	91.240	73.504
#1	.00945	.00429	.12633	.00362	.05707	.00121	.01593
#2	.00835	-.00316	.05002	-.00040	.03156	.00013	.04876
#3	.00614	-.00006	.02398	-.00106	.01734	.00048	.01446
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00019	.00130	.00055	.00166	.01493	.00118
SDev	.01829	.00048	.00058	.00051	.00328	.04397
%RSD	9637.9	36.799	106.67	30.728	21.971	3728.1
#1	.02086	.00169	.00122	.00225	.01130	-.01245
#2	-.01224	.00077	.00022	.00137	.01583	.05035
#3	-.00919	.00144	.00020	.00136	.01768	-.03436
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22812	--	--	--	--	--	--
SDev	61.53319	--	--	--	--	--	--
%RSD	.2697365	--	--	--	--	--	--
#1	22756	--	--	--	--	--	--
#2	22803	--	--	--	--	--	--
#3	22878	--	--	--	--	--	--

Method: 95GE615 Sample Name: 9504G160-027S 1 Operator: BH
Run Time: 04/11/95 13:24:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	k.14265	k1.0390	21.584	.82048	2.0207	k.95530	S-.10514
SDev	.00208	.0163	.025	.00217	.0039	.01366	.00001
%RSD	1.4584	1.5715	.11666	.26431	.19521	1.4302	.01112
#1	k.14505	k1.0272	21.596	.81800	2.0182	k.94407	S-.10513
#2	k.14133	k1.0323	21.555	.82202	2.0187	k.95131	S-.10515
#3	k.14157	k1.0577	21.602	.82142	2.0252	k.97051	S-.10513
Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	600.00		450.00			50.000	

Range	.20000	.20000

4/11/95 BH

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01176	.50410	.97331	.01322	5.0353	5.0487
SDev	.01601	.00091	.00261	.00031	.0631	.0307
%RSD	136.07	.18005	.26803	2.3255	1.2538	.60819
#1	-.01327	.50453	.97070	.01316	4.9867	5.0675
#2	.00495	.50471	.97333	.01355	5.0126	5.0133
#3	-.02696	.50305	.97591	.01294	5.1067	5.0653
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value		.50000	1.0000		5.0000	5.0000
Range		.10000	.20000		1.0000	1.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21976	--	--	--	--	--	--
SDev	129.4076	--	--	--	--	--	--
%RSD	.5888500	--	--	--	--	--	--
#1	21839	--	--	--	--	--	--
#2	21994	--	--	--	--	--	--
#3	22096	--	--	--	--	--	--

BH 4/11/95

Method: 95GE615 Sample Name: CCV 3 Operator: BH
Run Time: 04/11/95 13:41:38
Comment:
Mode: CONC Corr. Factor: 1

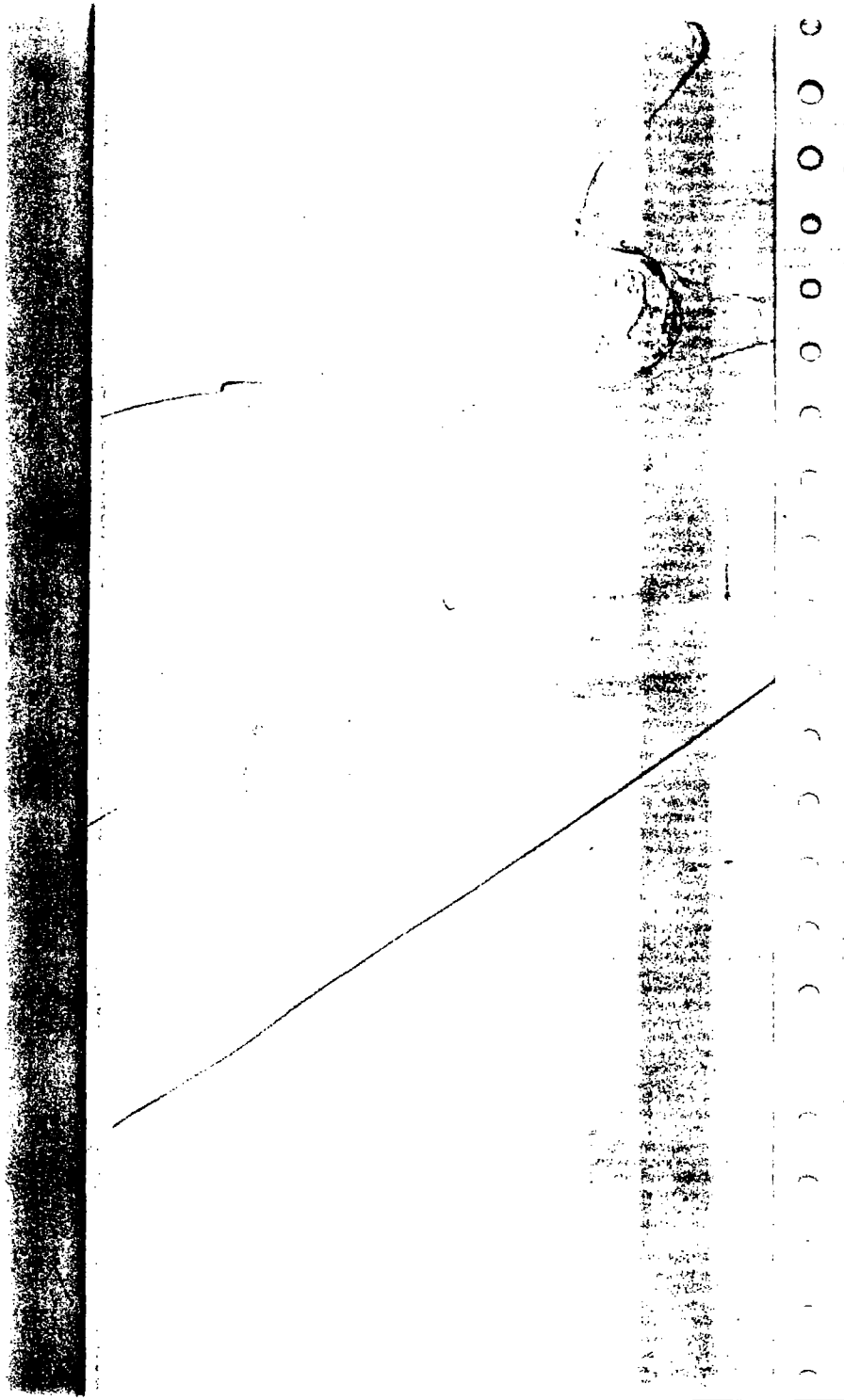
Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	52.080	1.0565	10.290	2.5008	5.1732	2.5543	50.408
SDev	.018	.0061	.006	.0037	.0078	.0017	.087
%RSD	.03458	.58145	.06300	.14959	.15121	.06794	.17353
#1	52.088	1.0511	10.287	2.4971	5.1669	2.5527	50.350
#2	52.093	1.0551	10.298	2.5007	5.1706	2.5561	50.366
#3	52.060	1.0632	10.286	2.5046	5.1819	2.5541	50.509
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1401	5.2302	5.1769	25.883	5.1550	51.575	5.0895
SDev	.0029	.0042	.0072	.031	.0361	.056	.0086
%RSD	.05640	.07971	.13812	.11802	.70111	.10890	.16949
#1	5.1378	5.2260	5.1691	25.856	5.1521	51.511	5.0817

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2398	5.1757	50.543	1.0228	50.046	5.1622	10.278
SDev	.0161	.0104	.135	.0016	.034	.0012	.066
%RSD	.30680	.20177	.26673	.15574	.06736	.02320	.63817
#1	5.2287	5.1663	50.644	1.0210	50.073	5.1608	10.348
#2	5.2323	5.1739	50.595	1.0240	50.057	5.1631	10.219
#3	5.2582	5.1869	50.390	1.0233	50.008	5.1625	10.267
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.0957	5.2084	5.1570	5.1888	5.1556	5.1395	
SDev	.0117	.0062	.0187	.0035	.0145	.0215	
%RSD	.22908	.11838	.36301	.06664	.28116	.41796	
#1	5.0860	5.2037	5.1519	5.1854	5.1407	5.1570	
#2	5.0924	5.2063	5.1413	5.1887	5.1563	5.1155	
#3	5.1087	5.2154	5.1777	5.1923	5.1697	5.1459	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22711	--	--	--	--	--	--
SDev	41.28357	--	--	--	--	--	--
%RSD	.1817752	--	--	--	--	--	--
#1	22759	--	--	--	--	--	--
#2	22687	--	--	--	--	--	--
#3	22688	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCB Operator: BH
Run Time: 04/11/95 13:44:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01598	.00272	.00120	.00066	.00523	.00027	.01087
SDev	.00564	.01030	.00046	[illegible]	[illegible]	[illegible]	[illegible]



#1	.02229	-.01393	.00131	.00077	.00711	-.00086	.02065
#2	.01420	.00633	.00160	.00077	.00586	-.00033	.01682
#3	.01145	-.00057	.00070	.00044	.00272	.00202	-.00487
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00256	.00191	-.00191	.00988	.00512	.00836	.00029
SDev	.00382	.00094	.00118	.00364	.00564	.03602	.00034
%RSD	149.35	49.501	61.641	36.822	110.10	430.79	117.03
#1	.00046	.00136	-.00073	.01344	-.00139	-.02804	.00068
#2	.00696	.00300	-.00192	.01001	.00839	.04398	.00010
#3	.00025	.00137	-.00309	.00617	.00835	.00913	.00009
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00717	-.00089	.05035	.00037	.03231	.00036	.00963
SDev	.00189	.00400	.03049	.00210	.00630	.00021	.02393
%RSD	26.372	450.29	60.550	573.90	19.502	58.288	248.45
#1	.00830	-.00352	.01553	-.00148	.03415	.00048	-.01756
#2	.00821	.00371	.07225	.00265	.03749	.00047	.01896
#3	.00498	-.00286	.06328	-.00008	.02529	.00012	.02749
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.00018	.00189	.00052	.00125	.00614	.00449	
SDev	.01684	.00195	.00060	.00067	.00637	.00768	
%RSD	9183.2	103.37	117.11	53.705	103.78	171.24	
#1	-.00922	.00077	.00122	.00164	.01300	.00284	
#2	.01962	.00414	.00016	.00163	.00042	-.00224	
#3	-.00985	.00075	.00018	.00047	.00499	.01286	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	.00000	.00000	.00000	.00000	.00000	.00000	
Range	.10000	.05000	.02000	.01000	.10000	.10000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

%RSD	.4228317	--	--	--	--	--	--
#1	22885	--	--	--	--	--	--
#2	23022	--	--	--	--	--	--
#3	23073	--	--	--	--	--	--

Method: 95GE615 Sample Name: 9504G160-002-5X 1 Operator: BH
Run Time: 04/11/95 14:25:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03554	-.00686	.60462	.00029	.23508	-.00210	H1092.7
SDev	.00971	.00541	.00048	.00021	.00179	.00069	6.5
%RSD	27.326	78.902	.07880	70.494	.76126	33.004	.59527
#1	.02432	-.00999	.60463	.00005	.23372	-.00180	H1087.8
#2	.04115	-.00061	.60510	.00042	.23441	-.00160	H1090.1
#3	.04114	-.00998	.60415	.00041	.23711	-.00289	H1100.1
Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High
High	600.00		150.00			50.000	600.00
Low	-.50000		-.05000			-.05000	-.50000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02367	.00011	.00530	-.00400	-.00962	4.4433	-.00039
SDev	.00330	.00164	.00697	.00217	.00770	.0225	.00065
%RSD	13.922	1493.9	131.34	54.338	80.018	.50607	164.66
#1	.02357	-.00069	-.00270	-.00643	-.00861	4.4346	-.00091
#2	.02042	-.00098	.00861	-.00330	-.01777	4.4264	-.00060
#3	.02701	.00200	.01000	-.00226	-.00248	4.4688	.00033
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100.00		100.00	500.00	100.00	600.00	
Low	-.05000		-.05000	-.50000	-.05000	-.50000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14284	.00148	10.115	.02600	50.862	1.7190	.03311
SDev	.00302	.00251	.038	.00118	.291	.0012	.05577
%RSD	2.1129	169.63	.37691	4.5261	.57189	.06947	168.43
#1	.14192	-.00138	10.121	.02483	51.073	1.7202	.07031
#2	.14040	.00247	10.150	.02598	50.982	1.7190	-.03101
#3	.14622	.00335	10.074	.02719	50.530	1.7178	.06005
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		100.00		5.0000			
Low		-.05000		-.05000			

Elem	Sn1899	Y-2924	Zn2138	Tl2348			

#2	.00437	.00529	-.00770	-.00383	.01925	5.3663	.01293

#3	-.00190	-.00180	-.00770	-.00382	-.01714	5.3564	.01218
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100.00		100.00	500.00	100.00	600.00	
Low	-.05000		-.05000	-.50000	-.05000	-.50000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03741	.00760	3.9055	-.00060	12.788	.35324	.04642
SDev	.00163	.00329	.0478	.00265	.031	.00040	.08391
%RSD	4.3519	43.299	1.2244	441.38	.24234	.11302	180.75
#1	.03577	.00695	3.9245	-.00015	12.752	.35278	-.01524
#2	.03902	.01117	3.9408	.00180	12.802	.35344	.14198
#3	.03744	.00469	3.8510	-.00345	12.809	.35351	.01253
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		100.00		5.0000			
Low		-.05000		-.05000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	-.01906	.00249	.00014	.00194	-.00886	.02942	
SDev	.00746	.00249	.00079	.00020	.01270	.02998	
%RSD	39.128	99.949	553.00	10.125	143.38	101.89	
#1	-.01647	.00155	.00034	.00171	-.01397	-.00180	
#2	-.01324	.00531	-.00073	.00204	.00560	.03210	
#3	-.02746	.00061	.00081	.00207	-.01820	.05797	
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Pass	LC Pass	
High			100.00		100.00	100.00	
Low			-.05000		-.10000	-.20000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22118	--	--	--	--	--	--
SDev	161.4559	--	--	--	--	--	--
%RSD	.7299750	--	--	--	--	--	--
#1	22000	--	--	--	--	--	--
#2	22052	--	--	--	--	--	--
#3	22302	--	--	--	--	--	--

Method: 95GE615 Sample Name: 9503G001-001A-5X 1 Operator: BH
Run Time: 04/11/95 14:52:25
Comment:
Mode: CONC Corr. Factor: 1

95GI580/Cd only

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	

%RSD	.04485	12.165	.13652	1.5231	.82668	18.108	.35936
#1	56.374	.12621	.79367	.01301	.29013	.01446	H983.23
#2	56.357	.13548	.79584	.01332	.29044	.02000	H988.76
#3	56.407	.10628	.79479	.01338	.28616	.02036	H989.85
Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High
High	600.00		150.00			50.000	600.00
Low	-.50000		-.05000			-.05000	-.50000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.76430	.14995	.69875	160.08	3.1269	538.56	3.6587
SDev	.00099	.00165	.00608	.35	.0187	.93	.0084
%RSD	.12940	1.1025	.87050	.21967	.59740	.17353	.23075
#1	.76316	.14868	.69174	159.69	3.1101	537.72	3.6500
#2	.76481	.14934	.70194	160.17	3.1235	538.39	3.6591
#3	.76493	.15182	.70258	160.37	3.1470	539.56	3.6669
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100.00		100.00	500.00	100.00	600.00	
Low	-.05000		-.05000	-.50000	-.05000	-.50000	
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.23114	1.0802	10.750	.01809	5.8076	.58267	.46157
SDev	.00130	.0027	.088	.00073	.0190	.00082	.06869
%RSD	.56359	.24770	.82238	4.0561	.32666	.14147	14.882
#1	.22977	1.0779	10.805	.01819	5.7978	.58172	.38460
#2	.23130	1.0796	10.648	.01878	5.8295	.58320	.48347
#3	.23236	1.0831	10.798	.01732	5.7955	.58309	.51664
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		100.00		5.0000			
Low		-.05000		-.05000			
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	.22720	.29289	3.9251	1.0150	.27152	.18210	
SDev	.01944	.00175	.0140	.0034	.03910	.03502	
%RSD	8.5546	.59875	.35539	.33338	14.399	19.231	
#1	.20600	.29093	3.9099	1.0113	.25293	.18548	
#2	.24418	.29431	3.9374	1.0157	.31645	.14552	
#3	.23142	.29343	3.9281	1.0179	.24519	.21531	
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Pass	LC Pass	
High			100.00		100.00	100.00	
Low			-.05000		-.10000	-.20000	
Intst	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	

Avge	20984	--	--	--	--	--	--
SDev	49.33896	--	--	--	--	--	--
%RSD	.2351229	--	--	--	--	--	--
#1	20967	--	--	--	--	--	--
#2	21040	--	--	--	--	--	--
#3	20946	--	--	--	--	--	--

Method: 95GE615 **Sample Name: CCV** Operator: BH
Run Time: 04/11/95 14:55:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	51.931	1.0507	10.286	2.5063	5.1636	2.5526	50.536
SDev	.037	.0195	.025	.0053	.0215	.0146	.141
%RSD	.07194	1.8556	.24108	.20976	.41615	.57218	.27837
#1	51.894	1.0348	10.309	2.5004	5.1394	2.5470	50.386
#2	51.929	1.0725	10.260	2.5080	5.1804	2.5692	50.664
#3	51.969	1.0450	10.290	2.5104	5.1709	2.5416	50.560
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1516	5.2463	5.1798	25.882	5.2038	51.797	5.0896
SDev	.0085	.0142	.0043	.040	.0056	.021	.0084
%RSD	.16454	.27041	.08220	.15601	.10817	.04091	.16590
#1	5.1418	5.2370	5.1754	25.835	5.2091	51.820	5.0799
#2	5.1566	5.2626	5.1839	25.907	5.1979	51.778	5.0957
#3	5.1564	5.2392	5.1800	25.903	5.2044	51.793	5.0930
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2566	5.1790	50.682	1.0216	50.188	5.1755	10.226
SDev	.0404	.0176	.323	.0015	.377	.0085	.045
%RSD	.76826	.33941	.63795	.15041	.75067	.16423	.44342
#1	5.2101	5.1588	51.021	1.0199	50.545	5.1836	10.278
#2	5.2833	5.1914	50.377	1.0221	49.794	5.1666	10.193
#3	5.2763	5.1867	50.650	1.0229	50.225	5.1762	10.208
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000

Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.0522	5.2121	5.1583	5.1883	5.1612	5.1836	
SDev	.0490	.0087	.0261	.0028	.0430	.0466	
%RSD	.96905	.16601	.50513	.05350	.83296	.89988	
#1	5.0144	5.2039	5.1289	5.1852	5.1119	5.1415	
#2	5.1075	5.2112	5.1787	5.1905	5.1813	5.1757	
#3	5.0346	5.2212	5.1671	5.1892	5.1905	5.2338	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22704	--	--	--	--	--	--
SDev	135.6810	--	--	--	--	--	--
%RSD	.5976171	--	--	--	--	--	--
#1	22547	--	--	--	--	--	--
#2	22781	--	--	--	--	--	--
#3	22783	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCB Operator: BH
Run Time: 04/11/95 14:58:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01185	-.00906	.00183	.00032	.00616	-.00000	.03095
SDev	.01779	.00848	.00017	.00020	.00181	.00120	.00295
%RSD	150.19	93.533	9.1482	60.857	29.456	82382.	9.5289
#1	.01636	-.00150	.00193	.00043	.00801	.00118	.03122
#2	-.00777	-.01823	.00192	.00044	.00439	.00003	.02787
#3	.02695	-.00746	.00164	.00010	.00608	-.00122	.03375
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00401	.00210	-.00105	.00730	.00766	.01311	.00080
SDev	.00281	.00089	.00182	.00171	.00364	.02162	.00041
%RSD	70.077	42.396	173.68	23.471	47.441	164.92	51.793
#1	.00407	.00275	-.00066	.00876	.00719	-.00288	.00071
#2	.00117	.00108	-.00303	.00773	.00429	.00450	.00125
#3	.00679	.00247	.00055	.00542	.01151	.03771	.00044

Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00551	.00157	.07986	.00218	.03386	.00037	.05071
SDev	.00166	.00099	.05914	.00173	.02515	.00020	.03957
%RSD	30.055	63.058	74.057	79.383	74.286	55.532	78.024
#1	.00733	.00044	.06013	.00155	.02343	.00049	.01660
#2	.00509	.00228	.03311	.00086	.01560	.00048	.04114
#3	.00410	.00199	.14635	.00414	.06255	.00013	.09409
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01023	.00169	.00108	.00109	.00309	-.01094
SDev	.01948	.00047	.00130	.00051	.01045	.02269
%RSD	190.50	27.887	120.92	46.530	337.65	207.52
#1	.02124	.00169	.00125	.00167	-.00516	.00463
#2	-.01227	.00122	-.00030	.00078	-.00040	-.03697
#3	.02172	.00216	.00229	.00081	.01484	-.00047
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22683	--	--	--	--	--	--
SDev	123.9610	--	--	--	--	--	--
%RSD	.5464850	--	--	--	--	--	--
#1	22671	--	--	--	--	--	--
#2	22813	--	--	--	--	--	--
#3	22566	--	--	--	--	--	--

Method: ~~95GE615~~ Sample Name: CRI
Run Time: 04/11/95 15:01:19
Comment:
Mode: CONC Corr. Factor: 1

Operator: BH

*wrong check table/Reran below

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.40780	Q.12926	Q.42183	Q.01068	Q.21451	Q.01039	Q2.0968
SDev	.00874	.00453	.00040	.00030	.00032	.00049	.0201
%RSD	2.1436	3.5049	.09478	2.8613	.14809	4.6702	.95833
#1	Q.39794	Q.12529	Q.42213	Q.01101	Q.21432	Q.00983	Q2.0813

BH 4/12/95

#2	Q.04424	Q.00582	Q-.01817	Q.01297	Q-.09940	Q.10301
#3	Q-.02457	Q.00208	Q-.01982	Q.01201	Q-.01791	Q.12610
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.50000	.50000	.50000	.50000	.50000	.50000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22268	--	--	--	--	--	--
SDev	143.8553	--	--	--	--	--	--
%RSD	.6460275	--	--	--	--	--	--
#1	22426	--	--	--	--	--	--
#2	22145	--	--	--	--	--	--
#3	22232	--	--	--	--	--	--

BH 4/12/95

Method: 95GE615 Sample Name: CRI Operator: BH
Run Time: 04/11/95 15:08:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.43936	.12144	.42417	.01047	.21326	Q.01219	2.1145
SDev	.00940	.01094	.00076	.00038	.00204	.00279	.0076
%RSD	2.1404	9.0105	.18037	3.5946	.95885	22.857	.35709
#1	.45001	.13020	.42466	.01046	.21112	Q.01447	2.1223
#2	.43218	.10917	.42329	.01085	.21347	.00908	2.1137
#3	.43590	.12494	.42455	.01010	.21519	Q.01300	2.1073
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.40000	.12000	.40000	.01000	.20000	.01000	2.0000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.02406	.10994	.05250	.22124	.11167	2.1417	.03102
SDev	.00380	.00103	.00169	.00187	.01451	.0159	.00006
%RSD	15.794	.93909	3.2124	.84666	12.989	.74404	.19507
#1	Q.02726	.10911	.05441	.22220	Q.12815	2.1375	.03109
#2	Q.02507	.11110	.05122	.22244	.10603	2.1593	.03098
#3	.01986	.10961	.05188	.21908	.10083	2.1283	.03098
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.10000	.05000	.20000	.10000	2.0000	.03000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775

SDev	.00398	.00099	.0303	.00037	.0121	.00019	.02218
%RSD	1.8377	1.1486	1.4743	1.7941	.57219	.08782	5.1605
#1	.21655	.08699	2.0796	.02097	2.1158	.21327	.45155
#2	.21227	.08675	2.0666	.02049	2.1037	.21298	.43055
#3	.22021	.08517	2.0218	.02024	2.1279	.21333	.40722
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.08000	2.0000	.02000	2.0000	.20000	.40000
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.20075	.10894	.04378	.21224	.20822	.19074
SDev	.00420	.00092	.00129	.00033	.00691	.03277
%RSD	2.0922	.84585	2.9469	.15389	3.3168	17.181
#1	.19722	.10887	.04527	.21228	.20404	Q.15302
#2	.20539	.10990	.04298	.21255	.21619	.21222
#3	.19963	.10806	.04310	.21190	.20442	.20698
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	.10000	.04000	.20000	.20000	.20000
Range	20.000	20.000	20.000	20.000	20.000	20.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22644	--	--	--	--	--	--
SDev	97.61660	--	--	--	--	--	--
%RSD	.4310926	--	--	--	--	--	--
#1	22661	--	--	--	--	--	--
#2	22539	--	--	--	--	--	--
#3	22732	--	--	--	--	--	--

Method: 95GE615 Sample Name: ISA Operator: BH
Run Time: 04/11/95 15:11:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	523.48	-.00383	.00136	.00008	.00360	.00274	502.57
SDev	1.01	.02166	.00001	.00000	.00146	.00214	1.55
%RSD	.19265	566.10	.64648	4.7780	40.467	78.011	.30757
#1	524.40	-.01263	.00135	.00009	.00480	.00192	501.44
#2	523.64	.02085	.00136	.00008	.00198	.00516	501.94
#3	522.40	-.01970	.00137	.00008	.00401	.00113	504.34
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	500.00						500.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00208	.00115	.00111	192.99	-.02078	525.18	-.00292
SDev	.00185	.00157	.00070	.27	.01394	.85	.00045
%RSD	88.841	136.74	62.805	.14095	67.082	.16160	15.546
#1	-.00003	.00105	.00066	192.74	-.03678	526.16	-.00286
#2	.00342	-.00037	.00192	192.95	-.01430	524.68	-.00340
#3	.00285	.00276	.00076	193.28	-.01126	524.71	-.00250
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				20.000		20.000	

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00874	-.01187	-.06541	-.00900	.00350	.00656	.10565
SDev	.00234	.00272	.03091	.00163	.01496	.00022	.03179
%RSD	26.796	22.881	47.251	18.124	427.30	3.3834	30.091
#1	-.00797	-.00953	-.09800	-.01037	-.01306	.00639	.10741
#2	-.00688	-.01123	-.03652	-.00944	.01604	.00681	.13652
#3	-.01138	-.01485	-.06170	-.00720	.00752	.00647	.07302
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01561	.00301	-.01692	.01323	-.02969	.06774
SDev	.01446	.00023	.00259	.00038	.04450	.09202
%RSD	92.627	7.5652	15.315	2.8489	149.86	135.85
#1	.00035	.00297	-.01596	.01343	.02165	.13697
#2	-.02783	.00326	-.01985	.01280	-.05711	-.03669
#3	-.01936	.00281	-.01494	.01346	-.05363	.10293
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22153	--	--	--	--	--	--
SDev	124.9053	--	--	--	--	--	--
%RSD	.5638217	--	--	--	--	--	--
#1	22286	--	--	--	--	--	--
#2	22136	--	--	--	--	--	--
#3	22038	--	--	--	--	--	--

Run Time: 04/11/95 15:14:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	519.38	.01078	.50411	.49005	.00327	.99353	500.96
SDev	.65	.00294	.00081	.00133	.00277	.01306	1.12
%RSD	.12490	27.295	.15980	.27154	84.657	1.3143	.22353
#1	519.77	.01404	.50497	.49141	.00167	.98972	501.22
#2	518.63	.00833	.50399	.48875	.00646	.98280	499.73
#3	519.73	.00996	.50337	.48998	.00167	1.0081	501.92
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	500.00		.50000	.50000		1.0000	500.00
Range	100.00		.10000	.10000		.20000	100.00

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48412	.48386	.51766	192.08	.97192	520.04	.47577
SDev	.00370	.00079	.00247	.21	.01478	.27	.00092
%RSD	.76441	.16253	.47654	.10888	1.5212	.05172	.19342
#1	.48784	.48427	.51910	192.18	.98083	520.35	.47675
#2	.48044	.48295	.51906	191.84	.95485	519.93	.47493
#3	.48408	.48435	.51481	192.22	.98006	519.85	.47561
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00	1.0000	500.00	.50000
Range	.10000	.10000	.10000	40.000	.20000	100.00	.10000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00797	.95529	-.10722	.99888	-.00548	.00614	.15829
SDev	.00418	.00413	.02242	.00299	.00787	.00004	.03724
%RSD	52.431	.43182	20.907	.29973	143.55	.69522	23.526
#1	-.01091	.95820	-.13280	.99943	-.01408	.00615	.19916
#2	-.00319	.95057	-.09102	.99566	-.00376	.00610	.14942
#3	-.00982	.95710	-.09784	1.0016	.00138	.00619	.12628
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		1.0000		1.0000			
Range		.20000		.20000			

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00479	.50174	.96594	.01313	5.0672	5.0783
SDev	.02354	.00149	.00179	.00075	.0910	.0792
%RSD	491.92	.29713	.18502	5.7293	1.7965	1.5593
#1	-.00580	.50030	.96397	.01392	5.1499	5.0377
#2	.01925	.50328	.96638	.01303	5.0820	5.1695
#3	-.02780	.50164	.96746	.01243	4.9697	5.0275

Value		.50000	1.0000		5.0000	5.0000	
Range		.10000	.20000		1.0000	1.0000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22392	--	--	--	--	--	--
SDev	137.3111	--	--	--	--	--	--
%RSD	.6132240	--	--	--	--	--	--
#1	22381	--	--	--	--	--	--
#2	22534	--	--	--	--	--	--
#3	22260	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCV Operator: BH
Run Time: 04/11/95 15:17:44
Comment:
Mode: CONC Corr. Factor: 1

* ran CCB by accident

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.05564	Q-.00719	Q-.00010	Q.00032	Q-.00108	Q-.00118	Q.05525
SDev	.01793	.00505	.00047	.00019	.00120	.00074	.01873
%RSD	32.236	70.289	474.96	60.970	110.41	62.797	33.900
#1	Q.07558	Q-.01009	Q.00041	Q.00009	Q.00011	Q-.00116	Q.07602
#2	Q.05050	Q-.00135	Q-.00020	Q.00043	Q-.00228	Q-.00194	Q.05009
#3	Q.04083	Q-.01013	Q-.00051	Q.00043	Q-.00108	Q-.00045	Q.03964
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q.00072	Q.00052	Q-.00101	Q.02668	Q.00102	Q.04114	Q-.00013
SDev	.00145	.00056	.00068	.00731	.00540	.01170	.00029
%RSD	201.09	106.24	67.210	27.419	529.50	28.430	220.58
#1	Q.00084	Q.00108	Q-.00061	Q.03416	Q.00720	Q.04794	Q.00016
#2	Q-.00078	Q-.00003	Q-.00062	Q.02632	Q-.00279	Q.04785	Q-.00013
#3	Q.00210	Q.00052	Q-.00179	Q.01954	Q-.00135	Q.02763	Q-.00041
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Tl3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	Q-.00100	Q.00097	Q.00528	Q.00026	Q-.00471	Q-.00047	Q-.05353
SDev	.00126	.00117	.01787	.00087	.00382	.00021	.03525
%RSD	126.85	120.73	338.80	328.30	81.045	44.471	65.849

#3	Q-.00027	Q-.00018	Q.01101	Q.00012	Q-.00471	Q-.00059	Q-.07909

BH 4/12/95

Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	Q.00077	Q.00038	Q.00076	Q-.00065	Q.01167	Q.00009	
SDev	.01834	.00081	.00052	.00059	.00268	.01448	
%RSD	2371.4	209.73	67.883	89.680	22.927	15301.	
#1	Q-.01137	Q.00031	Q.00025	Q-.00007	Q.01004	Q-.00650	
#2	Q-.00818	Q-.00038	Q.00075	Q-.00124	Q.01476	Q-.00992	
#3	Q.02187	Q.00123	Q.00128	Q-.00066	Q.01021	Q.01670	

Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	QC Fail	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22535	--	--	--	--	--	--
SDev	18.14754	--	--	--	--	--	--
%RSD	.0805293	--	--	--	--	--	--
#1	22522	--	--	--	--	--	--
#2	22556	--	--	--	--	--	--
#3	22528	--	--	--	--	--	--

BH 4/12/95

Method: 95GE615 **Sample Name: CCV** Operator: BH
Run Time: 04/11/95 15:21:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	Ba4934	Be3130	B-2496	Cd2288	Ca3158
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	52.276	1.0623	10.297	2.5070	5.2007	2.5670	50.837
SDev	.082	.0137	.018	.0050	.0143	.0132	.035
%RSD	.15599	1.2913	.17808	.19923	.27484	.51263	.06970
#1	52.239	1.0576	10.278	2.5080	5.1874	2.5529	50.818
#2	52.219	1.0778	10.300	2.5115	5.1989	2.5692	50.814
#3	52.369	1.0515	10.314	2.5016	5.2158	2.5790	50.877

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.000	1.0000	10.000	2.5000	5.0000	2.5000	50.000
Range	5.0000	.10000	1.0000	.25000	.50000	.25000	5.0000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.1768	5.2661	5.1830	25.963	5.2139	51.930	5.1105

#1	5.1756	5.2640	5.1779	25.948	5.2112	51.693	5.1058
#2	5.1772	5.2587	5.1864	25.956	5.2006	51.996	5.1076
#3	5.1775	5.2756	5.1848	25.984	5.2268	52.101	5.1179
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	5.0000	25.000	5.0000	50.000	5.0000
Range	.50000	.50000	.50000	2.5000	.50000	5.0000	.50000
Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	T13775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.3023	5.2000	51.250	1.0266	50.882	5.1833	10.262
SDev	.0146	.0032	.422	.0003	.408	.0074	.102
%RSD	.27621	.06077	.82351	.03300	.80169	.14355	.99682
#1	5.2858	5.1986	50.935	1.0264	50.495	5.1753	10.159
#2	5.3139	5.1978	51.085	1.0270	50.843	5.1846	10.364
#3	5.3070	5.2036	51.729	1.0264	51.308	5.1901	10.263
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.0000	5.0000	50.000	1.0000	50.000	5.0000	10.000
Range	.50000	.50000	5.0000	.10000	5.0000	.50000	1.0000
Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960	
Units	PPM	PPM	PPM	PPM	PPM	PPM	
Avge	5.1447	5.2328	5.2092	5.2023	5.2186	5.2416	
SDev	.0277	.0082	.0261	.0079	.0154	.0093	
%RSD	.53782	.15677	.50093	.15231	.29605	.17658	
#1	5.1486	5.2303	5.2246	5.1934	5.2077	5.2463	
#2	5.1153	5.2261	5.1790	5.2052	5.2119	5.2309	
#3	5.1703	5.2419	5.2238	5.2085	5.2363	5.2475	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	
Range	.50000	.50000	.50000	.50000	.50000	.50000	

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22442	--	--	--	--	--	--
SDev	127.0328	--	--	--	--	--	--
%RSD	.5660410	--	--	--	--	--	--
#1	22439	--	--	--	--	--	--
#2	22571	--	--	--	--	--	--
#3	22317	--	--	--	--	--	--

Method: 95GE615 Sample Name: CCB 5 Operator: BH
Run Time: 04/11/95 15:24:12
Comment:
Mode: CONC Corr. Factor: 1

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01528	.00463	.00174	.00032	.00385	-.00014	.03472
SDev	.01036	.00548	.00047	.00019	.00163	.00144	.00515
%RSD	67.799	118.39	27.049	61.094	42.370	1065.8	14.845
#1	.00400	.00463	.00226	.00043	.00573	.00150	.03940
#2	.02436	-.00085	.00163	.00043	.00289	-.00068	.03555
#3	.01748	.01011	.00133	.00009	.00292	-.00123	.02920
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.06000	.20000	.00500	.05000	.00500	5.0000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00200	.00136	-.00022	.00528	.00107	.00149	.00083
SDev	.00207	.00074	.00069	.00171	.00647	.01449	.00017
%RSD	103.03	54.512	318.19	32.505	604.77	974.46	20.802
#1	.00430	.00219	.00058	.00692	.00731	.01765	.00102
#2	.00031	.00108	-.00063	.00541	.00151	-.00282	.00072
#3	.00140	.00080	-.00061	.00350	-.00561	-.01037	.00073
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01000	.05000	.02500	.10000	.05000	5.0000	.01500

Elem	Mo2020	Ni2316	K-7664	Ag3280	Na5895	Sr4215	Ti3775
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00486	.00197	.21814	.00027	.14100	.00050	.01487
SDev	.00128	.00104	.02565	.00088	.00615	.00036	.06829
%RSD	26.382	52.680	11.758	329.26	4.3601	73.269	459.33
#1	.00634	.00136	.23321	.00121	.14672	.00086	-.00570
#2	.00410	.00317	.18853	-.00054	.13450	.00049	.09108
#3	.00413	.00138	.23269	.00013	.14178	.00013	-.04077
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.04000	5.0000	.01000	5.0000	.10000	.50000

Elem	Sn1899	V-2924	Zn2138	Ti3349	As1936	Se1960
Units	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02198	.00170	.00094	.00140	.01342	.02044
SDev	.00028	.00092	.00119	.00030	.01158	.00603
%RSD	1.2681	54.472	126.91	21.294	86.309	29.496
#1	.02219	.00263	.00026	.00140	.02417	.01936
#2	.02166	.00168	.00024	.00110	.00115	.02694
#3	.02208	.00078	.00231	.00169	.01493	.01503
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000
Range	.10000	.05000	.02000	.01000	.10000	.10000

	Counts						
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22514	--	--	--	--	--	--
SDev	57.66281	--	--	--	--	--	--
%RSD	.2561198	--	--	--	--	--	--
#1	22469	--	--	--	--	--	--
#2	22579	--	--	--	--	--	--
#3	22494	--	--	--	--	--	--

FURNACE AA RAW DATA

Data File: [redacted]3023 Date collected: 95/03/30 Time:
Method File: Date of Report: Time:
Analyst: BPH/PFK Remarks:

IDL = 1.1 mg/L

run 1

450

	AS ppb				
AICV	26.77	MASTD	1		15:22
ICB	-0.37	MASTD	1		15:28
CRA	10.82	MASTD	1		15:34
ACCV 1	35.56	MASTD	1		15:40
CCB 1	-0.58	MASTD	1		15:46
95036892-002	2.20	MASTD	1	NONE	15:54
ACCV 2	36.31	MASTD	1		16:20
CCB 2	0.31	MASTD	1		16:26
95036938-005	5.44	MASSO	1	956F725	16:32
95036973-004	6.85	MASSO	5	NONE	16:56
ACCV 3	35.40	MASTD	1		17:20
CCB 3	-0.31	MASTD	1		17:26
95036973-007	6.67	MASTD	5		17:55
956F735-MB1	-0.36	MASTD	1	956F735	18:07
ACCV 4	34.67	MASTD	1		18:19
CCB 4	-0.57	MASTD	1		18:25
956F735-LC1	36.27	MASTD	1		18:31
95036001-0175	43.57	MASTD	1		19:06
ACCV 5	37.98	MASTD	1		19:18
CCB 5	0.52	MASTD	1		19:24
95036001-018	9.09	MASTD	1		19:30
ACCV 6	36.15	MASTD	1		20:17
CCB 6	-0.37	MASTD	1		20:23
956F734-MB1	0.03	MASTD	1	956F734	20:41
956F734-LC1	38.46	MASTD	1		20:53
956F734-LC2	37.74	MASTD	1		21:05
ACCV 7	36.16	MASTD	1		21:17
CCB 7	-0.16	MASTD	1		21:23
95036933-001	-0.50	MASTD	1		21:29
95036933-002	-0.48	MASTD	1		21:41
95036933-003	-0.31	MASTD	1		21:53
95036933-004	-0.32	MASTD	1		22:05
ACCV	35.16	MASTD	1		22:17
CCB	-0.38	MASTD	1		22:23
95036933-005	-0.51	MASTD	1		22:29
95036933-006	-0.80	MASTD	1		22:40
95036933-007	-0.04	MASTD	1		22:52
95036933-008	-1.36	MASTD	1		23:04
ACCV	34.96	MASTD	1		23:16
CCB	-0.62	MASTD	1		23:22
95036933-009	-0.85	MASTD	1		23:28
ACCV	35.10	MASTD	1		23:40
CCB	-1.05	MASTD	1		23:46
95036933-010	-0.40	MASTD	1		23:52
95036933-011	-0.23	MASTD	1		00:04
95036933-012	-1.14	MASTD	1		00:16
95036933-013	0.52	MASTD	1		00:28
ACCV	35.19	MASTD	1		00:40
CCB	-1.24	MASTD	1		00:46
95036933-014	-0.47	MASTD	1		00:52
95036933-016	3.23	MASTD	1		01:03
95036933-016R	2.45	MASTD	1		01:15
95036933-016S	38.88	MASTD	1		01:27
ACCV	35.27	MASTD	1		01:39
CCB	-0.44	MASTD	1		01:45
95036933-017	0.13	MASTD	1		01:51
95036933-018	-0.88	MASTD	1		02:03
956F777-MB1	1.00	MASTD	1	956F777	02:15

UPDATED 3/31/95

James Hoh
3/31/95

Fouhad Tabrizi
3/31/95

WESTON-Gulf Coast, Inc.
AA4 - PE5100PC GFAA Sample Analysis Log

OP No. 21-21G-1537

Element: AS Lamp: EDL Current: 305 Filename: AS0330X2 Energy: 41

Prep Batch / Matrix: IDL QC: (a.) Standard b. CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	9503G892-002				IDL
7	002				↓
8	BPH 3/30/95 003Z	NOT NEEDED/DO NOT REPORT			
9	002	↓			↓
10	9503G938-005 SOL				F725/STD/H2O
11	9503G991-001 (R)				F732/STD/H2O
12	9503G973-004 5x				SOL/NONE
13	9503G973-006 5x	10X	✓		F733/STD/SOIL
14	(R)				
15	(S)				
16	007 ↓				
17	95GF735-MB1				F735/CLP/SOIL
18	LC1				
	9503G001-017		✓	✓	
20	(R)		✓	✓	
21	(S)				
22	018				
23	019		✓	✓	
24	020		✓	✓	
25	021		✓	✓	
26	022		✓	✓	
27	95GF734-MB1				
28	LC1				
29	LC2				
30	9503G933-001				
31	002				
32	003				
33	004				
34	005				
35	006				
36	007				
37	008				
38	009				
39	25.00 ppb IC SOLN -				
40	BLANK - H2O				

Analyst: [signature] Date: 3/30/95

Reviewed: [signature] Date: 4/4/95

Cont on Page 225

Element File: AS_CLP.GEL
Element: As
Analyst: BPH/DAK
Print Data: Main+Suppl.
Peak Storage: None
Remarks:
Standards 1276-72-5
ICV,CCV'S 1276-71-7
MATRIX MODIFIER: Pd(NO3)2 & Mg(NO3)2
EDL SERIAL #913,IDL= 1.9
ANALYST-BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100
Technique: HGA
Wavelength: 193.7 Peak
Slit: 0.70 Low
Signal Type: Zeeman AA
Signal Measurement: Peak Area
Read Time: 7.0
Read Delay: 0
BOC Time: 2
Sample Replicates: 2 if <= 70.0 ug/L, 2 if > 70.1 ug/L, else 2
Standard Replicates: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.0		40	20	8	5	
Standard 1	S10.0	10.00	4	20	8	5	
Standard 2	S20.0	20.00	5	8	20	5	
Standard 3	S30.0	30.00	5	12	16	5	
Standard 4	S50.0	50.00	1	10	18	5	
Standard 5	S70.0	70.00	1	14	14	5	
Samples				20	8	5	

Diluent Location: 40
Modifier #1 Location: 0
Modifier #2 Location:
Calibration Units: ug/L
Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	100	6	3	300		Alt
2	140	40	5	300		Norm
3	1200	30	10	300		Alt
4	20	1	10	300		Alt
5	2100	0	8	0	*	Alt
6	2500	1	5	300		Alt

Injection Temp: 60
Pipette Speed: 75%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
8 uL of 50.0 ug/L Standard at Location 5 Gives 20.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Conc. Limits Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	22.5	27.5	X			
2	3	ICB	-3.0	2.0	X			
3	4	CRA	5.0	15.0	X			X
4	2	ACCV	31.5	38.5	X	X	X	
5	3	CCB	-3.0	2.0	X	X	X	
6	4							

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 03/30/95 Time: 14:37 Slit: 0.70 L
Data File: AS0330X3.DAT ID/Wt File: AS033003.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 41
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-71-7
Remark 3: MATRIX MODIFIER: Pd(NO3)2 & Mg(NO3)2
Remark 4: EDL SERIAL #913,IDL= 1.9
Remark 5: ANALYST-BRYAN HOST/PAUL KOLARCZYK

As ID: S0.0 Seq. No.: 00001 A/S Pos.: 40 Date: 03/30/95

Replicate 1 Time: 14:43
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.16

Replicate 2 Time: 14:46
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.91

Mean Conc (ug/L): 1.03 SD: 0.177 RSD(%): 17.13

Auto-zero performed.

As ID: S10.0 Seq. No.: 00002 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 14:49
Peak Area (A-s): 0.079 Peak Height (A): 0.146
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 10.29

Replicate 2 Time: 14:52
Peak Area (A-s): 0.081 Peak Height (A): 0.151
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 10.52

Mean Conc (ug/L): 10.40 SD: 0.161 RSD(%): 1.55

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0075 Int: -0.000

As ID: S20.0 Seq. No.: 00003 A/S Pos.: 5 Date: 03/30/95

Replicate 1 Time: 14:55
Peak Area ( ): 0.149 Peak Height (A): 0.311
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.145

Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 19.21

Replicate 2 Time: 14:58
Peak Area (A-s): 0.156 Peak Height (A): 0.310
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 20.12

Mean Conc (ug/L): 19.66 SD: 0.642 RSD(%): 3.26

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99995 Slope: 0.0074 Int: 0.000

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As ID: S30.0 Seq. No.: 00004 A/S Pos.: 5 Date: 03/30/95

Replicate 1 Time: 15:01
Peak Area (A-s): 0.223 Peak Height (A): 0.422
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.218
Concentration (ug/L): 29.44

Replicate 2 Time: 15:04
Peak Area (A-s): 0.218 Peak Height (A): 0.444
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.213
Concentration (ug/L): 28.76

Mean Conc (ug/L): 29.10 SD: 0.484 RSD(%): 1.66

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99972 Slope: 0.0072 Int: 0.002

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As ID: S50.0 Seq. No.: 00005 A/S Pos.: 1 Date: 03/30/95

Replicate 1 Time: 15:07
Peak Area (A-s): 0.368 Peak Height (A): 0.700
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.363
Concentration (ug/L): 50.20

Replicate 2 Time: 15:10
Peak Area (A-s): 0.362 Peak Height (A): 0.729
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.357
Concentration (ug/L): 49.38

Mean Conc (ug/L): 49.79 SD: 0.581 RSD(%): 1.17

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99990 Slope: 0.0072 Int: 0.002

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As ID: S[illegible] 0 Seq. No.: 00006 A/S Pos.: 1 Date [illegible]3/30/95

Replicate [illegible] Time: 15:13
Peak Area (A-s): [illegible] Peak Height (A): [illegible]
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Peak Area (A-s): 0.495 Peak Height (A): 0.951
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.490
Concentration (ug/L): 68.04

Replicate 2 Time: 15:16
Peak Area (A-s): 0.495 Peak Height (A): 0.923
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.490
Concentration (ug/L): 67.99

Mean Conc (ug/L): 68.01 SD: 0.038 RSD(%): 0.06

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99973 Slope: 0.0070 Int: 0.005

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As ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 03/30/95

Replicate 1 Time: 15:19
Peak Area (A-s): 0.200 Peak Height (A): 0.360
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.195
Concentration (ug/L): 27.15

Replicate 2 Time: 15:22
Peak Area (A-s): 0.194 Peak Height (A): 0.372
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.190
Concentration (ug/L): 26.38

Mean Conc (ug/L): 26.77 SD: 0.544 RSD(%): 2.03

QC sample is within range 22.5 - 27.5

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As ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 15:25
Peak Area (A-s): 0.012 Peak Height (A): 0.027
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.32

Replicate 2 Time: 15:28
Peak Area (A-s): 0.002 Peak Height (A): 0.018
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.06

Mean Conc (ug/L): -0.37 SD: 0.975 RSD(%): 262.73

QC sample is within range -3.0 - 2.0

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As ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 15:31
Peak Area ( ): 0.082 Peak Height (A): 0.160
Background Area (A-s): 0.032 Background Pk Height (A): 0.0
Blank Corrected Pk Area (A-s): 0.077
~~~~~~

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Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 10.38

Replicate 2 Time: 15:34

Peak Area (A-s): 0.088 Peak Height (A): 0.154
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 11.25

Mean Conc (ug/L): 10.82 SD: 0.618 RSD(%): 5.71

QC sample is within range 5.0 - 15.0

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As ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 15:37
Peak Area (A-s): 0.255 Peak Height (A): 0.524
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.250
Concentration (ug/L): 34.99

Replicate 2 Time: 15:40
Peak Area (A-s): 0.263 Peak Height (A): 0.497
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.258
Concentration (ug/L): 36.13

Mean Conc (ug/L): 35.56 SD: 0.809 RSD(%): 2.27

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 15:43
Peak Area (A-s): 0.008 Peak Height (A): 0.021
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.23

Replicate 2 Time: 15:46
Peak Area (A-s): 0.003 Peak Height (A): 0.018
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.92

Mean Conc (ug/L): -0.58 SD: 0.487 RSD(%): 84.16

QC sample is within range -3.0 - 2.0

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As ID: 9503G892-002 Seq. No.: 00013 A/S Pos.: 6 Date: 03/30/95

Replicate 1 Time: 15:51
Peak Area (A-s): 0.084 Peak Height (A): 0.158
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.01
Blank Corr d Pk Area (A-s): 0.079
Concentrat (ug/L): 10.56
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Mean Conc (ug/L): 10.96 SD: 0.853 RSD(%): 7.78

Recovery is 4.9%

BUN 3/30/95

458

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As ID: ACCV Seq. No.: 00018 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 16:17
Peak Area (A-s): 0.264 Peak Height (A): 0.530
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 36.26

Replicate 2 Time: 16:20
Peak Area (A-s): 0.264 Peak Height (A): 0.485
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.37

Mean Conc (ug/L): 36.31 SD: 0.075 RSD(%): 0.21

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As ID: CCB Seq. No.: 00019 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 16:23
Peak Area (A-s): 0.019 Peak Height (A): 0.019
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 1.34

Replicate 2 Time: 16:26
Peak Area (A-s): 0.005 Peak Height (A): 0.014
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.72

Mean Conc (ug/L): 0.31 SD: 1.457 RSD(%): 464.22

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As ID: 9503G938-005 Seq. No.: 00020 A/S Pos.: 10 Date: 03/30/95

Replicate 1 Time: 16:29
Peak Area (A-s): 0.051 Peak Height (A): 0.060
Background Pk Area (A-s): 0.361 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 5.84

#25/STD/H2O DIGESTED SEN

Replicate 2 Time: 16:32
Peak Area (A-s): 0.045 Peak Height (A): 0.061
Background Pk Area (A-s): 0.345 Background Pk Height (A): 0.092
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 5.03

Mean Conc (ug/L): 5.44 SD: 0.574 RSD(%): 10.57

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As ID: 9503G938-005 Seq. No.: 00021 A/S Pos.: 10 Date: 03/30/95

Replicate Time: 16:35
Peak Area (A-s): 0.177 Peak Height (A): 0.212

Mean Conc (ug/L): 20.84 SD: 0.152 RSD(%): 0.73

Recovery is 67.2%

459

As ID: ACCV 3 Seq. No.: 00028 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 17:17
Peak Area (A-s): 0.257 Peak Height (A): 0.496
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.252
Concentration (ug/L): 35.34

Replicate 2 Time: 17:20
Peak Area (A-s): 0.258 Peak Height (A): 0.523
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.253
Concentration (ug/L): 35.46

Mean Conc (ug/L): 35.40 SD: 0.082 RSD(%): 0.23

QC sample is within range 31.5 - 38.5

As ID: CCB 3 Seq. No.: 00029 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 17:23
Peak Area (A-s): 0.009 Peak Height (A): 0.017
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.11

Replicate 2 Time: 17:26
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.50

Mean Conc (ug/L): -0.31 SD: 0.280 RSD(%): 91.56

QC sample is within range -3.0 - 2.0

As ID: 9503G973-006R 5 Seq. No.: 00030 A/S Pos.: 14 Date: 03/30/95

Replicate 1 Time: 17:29
Peak Area (A-s): 0.059 Peak Height (A): 0.072
Background Pk Area (A-s): 0.291 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 7.07

Rerun 10X PEK 3/30/95

Replicate 2 Time: 17:32
Peak Area (A-s): 0.066 Peak Height (A): 0.079
Background Pk Area (A-s): 0.361 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 8.05

F433 STD SOIL

Mean Conc /L): 7.56 SD: 0.691 RSD(%): 9.13

Peak Area (A-s): 0.057 | Peak Height (A): 0.063
Background Pk Area (A-s): 0.288 | Background Pk Height (A): 0.1
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 6.74

F733/STD/SOIL

Replicate 2 | Time: 17:55
Peak Area (A-s): 0.056 | Peak Height (A): 0.065
Background Pk Area (A-s): 0.310 | Background Pk Height (A): 0.145
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 6.61

Mean Conc (ug/L): 6.67 SD: 0.096 RSD(%): 1.44

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As ID: 9503G973-007 5X Seq. No.: 00035 A/S Pos.: 16 Date: 03/30/95

Replicate 1 | Time: 17:58
Peak Area (A-s): 0.157 | Peak Height (A): 0.201
Background Pk Area (A-s): 0.283 | Background Pk Height (A): 0.151
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 21.00

Replicate 2 | Time: 18:01
Peak Area (A-s): 0.159 | Peak Height (A): 0.208
Background Pk Area (A-s): 0.321 | Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 21.32

Mean Conc (ug/L): 21.16 SD: 0.226 RSD(%): 1.07

Recovery is 72.4%

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As ID: 95GF735-MB1 Seq. No.: 00036 A/S Pos.: 17 Date: 03/30/95

Replicate 1 | Time: 18:04
Peak Area (A-s): 0.004 | Peak Height (A): 0.021
Background Pk Area (A-s): 0.106 | Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.77

F735/CCP/SOIL

Replicate 2 | Time: 18:07
Peak Area (A-s): 0.010 | Peak Height (A): 0.018
Background Pk Area (A-s): 0.033 | Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.05

Mean Conc (ug/L): -0.36 SD: 0.583 RSD(%): 162.64

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As ID: 95GF735-MB1 Seq. No.: 00037 A/S Pos.: 17 Date: 03/30/95

Replicate 1 | Time: 18:10
Peak Area (A-s): 0.150 | Peak Height (A): 0.292
Background Pk Area (A-s): 0.053 | Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 19.97

Replicate | Time: 18:13
Peak Area (s): 0.143 | Peak Height (A): 0.293
Background Pk Area (A-s): 0.045 | Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.138
~~~~~~

Background Pk Area (A-s): 0.045   Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 19.03

Mean Conc (ug/L): 19.50   SD: 0.666   RSD(%): 3.41

Recovery is 99.3%   97.5%

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As   ID: ACCV   Seq. No.: 00038   A/S Pos.: 2   Date: 03/30/95

Replicate 1   Time: 18:16
Peak Area (A-s): 0.253   Peak Height (A): 0.521
Background Pk Area (A-s): 0.084   Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.248
Concentration (ug/L): 34.74

Replicate 2   Time: 18:19
Peak Area (A-s): 0.252   Peak Height (A): 0.506
Background Pk Area (A-s): 0.025   Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.247
Concentration (ug/L): 34.60

Mean Conc (ug/L): 34.67   SD: 0.100   RSD(%): 0.29

QC sample is within range 31.5 - 38.5

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As   ID: CCB   Seq. No.: 00039   A/S Pos.: 3   Date: 03/30/95

Replicate 1   Time: 18:22
Peak Area (A-s): 0.006   Peak Height (A): 0.017
Background Pk Area (A-s): 0.055   Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.53

Replicate 2   Time: 18:25
Peak Area (A-s): 0.005   Peak Height (A): 0.016
Background Pk Area (A-s): 0.004   Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.61

Mean Conc (ug/L): -0.57   SD: 0.061   RSD(%): 10.70

QC sample is within range -3.0 - 2.0

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As   ID: 95GF735-LC1   Seq. No.: 00040   A/S Pos.: 18   Date: 03/30/95

Replicate 1   Time: 18:28
Peak Area (A-s): 0.260   Peak Height (A): 0.501
Background Pk Area (A-s): 0.069   Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.255
Concentration (ug/L): 35.72

Replicate 2   Time: 18:31
Peak Area ([illegible]): 0.267   Peak Height (A): 0.517
Background [illegible] Area (A-s): 0.046   Background Pk Height (A): 0.0[illegible]
Blank Corr[illegible]ed Pk Area (A-s): 0.263
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Concentration (ug/L): 36.81

Mean Conc (ug/L): 36.27 SD: 0.772 RSD(%): 2.13

90.7%

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As ID: 95GF735-LC1 Seq. No.: 00041 A/S Pos.: 18 Date: 03/30/95

Replicate 1 Time: 18:34
Peak Area (A-s): 0.401 Peak Height (A): 0.778
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.396
Concentration (ug/L): 55.89

Replicate 2 Time: 18:37
Peak Area (A-s): 0.407 Peak Height (A): 0.786
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.402
Concentration (ug/L): 56.69

Mean Conc (ug/L): 56.29 SD: 0.566 RSD(%): 1.01

Recovery is 100.1%

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As ID: 9503G001-017 Seq. No.: 00042 A/S Pos.: 19 Date: 03/30/95

Replicate 1 Time: 18:40
Peak Area (A-s): 0.096 Peak Height (A): 0.129
Background Pk Area (A-s): 0.647 Background Pk Height (A): 0.440
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 12.36

Rerun MSA PEK 3/30/95

Replicate 2 Time: 18:42
Peak Area (A-s): 0.095 Peak Height (A): 0.132
Background Pk Area (A-s): 0.706 Background Pk Height (A): 0.507
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 12.14

Mean Conc (ug/L): 12.25 SD: 0.154 RSD(%): 1.26

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As ID: 9503G001-017 Seq. No.: 00043 A/S Pos.: 19 Date: 03/30/95

Replicate 1 Time: 18:45
Peak Area (A-s): 0.211 Peak Height (A): 0.355
Background Pk Area (A-s): 0.733 Background Pk Height (A): 0.604
Blank Corrected Pk Area (A-s): 0.206
Concentration (ug/L): 28.78

Replicate 2 Time: 18:48
Peak Area (A-s): 0.207 Peak Height (A): 0.342
Background Pk Area (A-s): 0.747 Background Pk Height (A): 0.600
Blank Corrected Pk Area (A-s): 0.202
Concentration (ug/L): 28.17

Mean Conc (ug/L): 28.48 SD: 0.434 RSD(%): 1.52

Recovery is .2%

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As ID: 9503G001-017R Seq. No.: 00044 A/S Pos.: 20 Date: 03/30/95

Replicate 1 Time: 18:51

Rerun MSA DFK 3/30/95

Peak Area (A-s): 0.101 Peak Height (A): 0.133
Background Pk Area (A-s): 0.755 Background Pk Height (A): 0.594
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L): 13.08

Replicate 2 Time: 18:54
Peak Area (A-s): 0.097 Peak Height (A): 0.149
Background Pk Area (A-s): 0.782 Background Pk Height (A): 0.617
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 12.55

Mean Conc (ug/L): 12.81 SD: 0.381 RSD(%): 2.98

As ID: 9503G001-017R Seq. No.: 00045 A/S Pos.: 20 Date: 03/30/95

Replicate 1 Time: 18:57
Peak Area (A-s): 0.202 Peak Height (A): 0.352
Background Pk Area (A-s): 0.745 Background Pk Height (A): 0.649
Blank Corrected Pk Area (A-s): 0.198
Concentration (ug/L): 27.53

Replicate 2 Time: 19:00
Peak Area (A-s): 0.203 Peak Height (A): 0.346
Background Pk Area (A-s): 0.782 Background Pk Height (A): 0.657
Blank Corrected Pk Area (A-s): 0.199
Concentration (ug/L): 27.66

Mean Conc (ug/L): 27.60 SD: 0.095 RSD(%): 0.34

Recovery is 73.9%

As ID: 9503G001-017S Seq. No.: 00046 A/S Pos.: 21 Date: 03/30/95

Replicate 1 Time: 19:03
Peak Area (A-s): 0.305 Peak Height (A): 0.456
Background Pk Area (A-s): 0.707 Background Pk Height (A): 0.539
Blank Corrected Pk Area (A-s): 0.300
Concentration (ug/L): 42.17

Replicate 2 Time: 19:06
Peak Area (A-s): 0.325 Peak Height (A): 0.444
Background Pk Area (A-s): 0.660 Background Pk Height (A): 0.461
Blank Corrected Pk Area (A-s): 0.320
Concentration (ug/L): 44.98

Mean Conc (ug/L): 43.57 SD: 1.987 RSD(%): 4.56

As ID: 9503G001-017S Seq. No.: 00047 A/S Pos.: 21 Date: 03/30/95

Replicate 1 Time: 19:09
Peak Area (A-s): 0.406 Peak Height (A): 0.662
Background Pk Area (A-s): 0.769 Background Pk Height (A): 0.62
Blank Corrected Pk Area (A-s): 0.402

Blank Cor[illegible]ted Pk Area (A-s): 0.402
Concentration (ug/L): 56.65

Replicate 2 Time: 19:12

Peak Area (A-s): 0.404 Peak Height (A): 0.673
Background Pk Area (A-s): 0.709 Background Pk Height (A): 0.607
Blank Corrected Pk Area (A-s): 0.399
Concentration (ug/L): 56.29

Mean Conc (ug/L): 56.47 SD: 0.251 RSD(%): 0.44

Recovery is 64.5%

~~~~~~

As ID: ACCV Seq. No.: 00048 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 19:15
Peak Area (A-s): 0.288 Peak Height (A): 0.491
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.163
Blank Corrected Pk Area (A-s): 0.283
Concentration (ug/L): 39.74

Replicate 2 Time: 19:18
Peak Area (A-s): 0.263 Peak Height (A): 0.541
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 36.22

Mean Conc (ug/L): 37.98 SD: 2.483 RSD(%): 6.54

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00049 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 19:21
Peak Area (A-s): 0.016 Peak Height (A): 0.024
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 0.85

Replicate 2 Time: 19:24
Peak Area (A-s): 0.011 Peak Height (A): 0.020
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.19

Mean Conc (ug/L): 0.52 SD: 0.465 RSD(%): 89.66

QC sample is within range -3.0 - 2.0

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As ID: 9503G001-018 Seq. No.: 00050 A/S Pos.: 22 Date: 03/30/95

Replicate 1 Time: 19:27
Peak Area (A-s): 0.069 Peak Height (A): 0.091
Background P[illegible] Area (A-s): 0.275 Background Pk Height (A): 0.1[illegible]
Blank Corr[illegible]d Pk Area (A-s): 0.064
Concentratio[illegible] (ug/L): 8.45
~~~~~~

465

Replicate 2 Time: 19:30
Peak Area (A-s): 0.078 Peak Height (A): 0.104
Background Pk Area (A-s): 0.285 Background Pk Height (A): 0.114

Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 9.74

Mean Conc (ug/L): 9.09 SD: 0.914 RSD(%): 10.05

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As ID: 9503G001-018 Seq. No.: 00051 A/S Pos.: 22 Date: 03/30/95

Replicate 1 Time: 19:33
Peak Area (A-s): 0.199 Peak Height (A): 0.267
Background Pk Area (A-s): 0.348 Background Pk Height (A): 0.158
Blank Corrected Pk Area (A-s): 0.194
Concentration (ug/L): 27.00

Replicate 2 Time: 19:36
Peak Area (A-s): 0.197 Peak Height (A): 0.256
Background Pk Area (A-s): 0.315 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.193
Concentration (ug/L): 26.81

Mean Conc (ug/L): 26.90 SD: 0.131 RSD(%): 0.49

Recovery is 89.1%

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As ID: 9503G001-019 Seq. No.: 00052 A/S Pos.: 23 Date: 03/30/95

Replicate 1 Time: 19:39
Peak Area (A-s): 0.090 Peak Height (A): 0.131
Background Pk Area (A-s): 0.473 Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 11.43

Rerun MSA PFK 3/30/95

Replicate 2 Time: 19:42
Peak Area (A-s): 0.090 Peak Height (A): 0.128
Background Pk Area (A-s): 0.490 Background Pk Height (A): 0.250
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 11.52

Mean Conc (ug/L): 11.48 SD: 0.069 RSD(%): 0.60

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As ID: 9503G001-019 Seq. No.: 00053 A/S Pos.: 23 Date: 03/30/95

Replicate 1 Time: 19:45
Peak Area (A-s): 0.212 Peak Height (A): 0.315
Background Pk Area (A-s): 0.480 Background Pk Height (A): 0.308
Blank Corrected Pk Area (A-s): 0.207
Concentration (ug/L): 28.83

Replicate 2 Time: 19:47
Peak Area (A-s): 0.203 Peak Height (A): 0.325
Background Area (A-s): 0.508 Background Pk Height (A): 0.[illegible]
Blank Corr[illegible]d Pk Area (A-s): 0.198
Concentrat[illegible] (ug/L): 27.64
~~~~~~

Mean Conc (ug/L): 28.23 SD: 0.841 RSD(%): 2.98

Recovery is 83.8%

As ID: 9503G001-020 Seq. No.: 00054 A/S Pos.: 24 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.091
Background Pk Area (A-s): 0.809
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 11.64
Time: 19:50
Peak Height (A): 0.137
Background Pk Height (A): 0.627

Rerun MSA PFK 3/30/95

Replicate 2
Peak Area (A-s): 0.091
Background Pk Area (A-s): 0.815
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 11.61
Time: 19:54
Peak Height (A): 0.148
Background Pk Height (A): 0.640

Mean Conc (ug/L): 11.63 SD: 0.020 RSD(%): 0.17

As ID: 9503G001-020 Seq. No.: 00055 A/S Pos.: 24 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.202
Background Pk Area (A-s): 0.825
Blank Corrected Pk Area (A-s): 0.197
Concentration (ug/L): 27.44
Time: 19:56
Peak Height (A): 0.362
Background Pk Height (A): 0.700

Replicate 2
Peak Area (A-s): 0.199
Background Pk Area (A-s): 0.850
Blank Corrected Pk Area (A-s): 0.194
Concentration (ug/L): 27.03
Time: 19:59
Peak Height (A): 0.354
Background Pk Height (A): 0.663

Mean Conc (ug/L): 27.23 SD: 0.293 RSD(%): 1.07

Recovery is 78.0%

As ID: 9503G001-021 Seq. No.: 00056 A/S Pos.: 25 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.069
Background Pk Area (A-s): 0.564
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 8.50
Time: 20:02
Peak Height (A): 0.119
Background Pk Height (A): 0.319

Rerun MSA PFK 3/30/95

Replicate 2
Peak Area (A-s): 0.065
Background Pk Area (A-s): 0.600
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 7.96
Time: 20:05
Peak Height (A): 0.119
Background Pk Height (A): 0.323

Mean Conc (ug/L): 8.23 SD: 0.378 RSD(%): 4.59

As ID: 9503G001-021 Seq. No.: 00057 A/S Pos.: 25 Date: 03/30/95

Replicate 1 Time: 20:08
Peak Area (A-s): 0.177 Peak Height (A): 0.357
Background Pk Area (A-s): 0.585 Background Pk Height (A): 0.448

467

Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 23.87

Replicate 2 Time: 20:11
Peak Area (A-s): 0.175 Peak Height (A): 0.359
Background Pk Area (A-s): 0.569 Background Pk Height (A): 0.448
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 23.67

Mean Conc (ug/L): 23.77 SD: 0.140 RSD(%): 0.59

Recovery is 77.7%

~~~~~~

As ID: ACCV Seq. No.: 00058 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 20:14
Peak Area (A-s): 0.259 Peak Height (A): 0.495
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.115
Blank Corrected Pk Area (A-s): 0.254
Concentration (ug/L): 35.56

Replicate 2 Time: 20:17
Peak Area (A-s): 0.267 Peak Height (A): 0.546
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.262
Concentration (ug/L): 36.74

Mean Conc (ug/L): 36.15 SD: 0.836 RSD(%): 2.31

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00059 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 20:20
Peak Area (A-s): 0.005 Peak Height (A): 0.017
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.63

Replicate 2 Time: 20:23
Peak Area (A-s): 0.009 Peak Height (A): 0.016
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.11

Mean Conc (ug/L): -0.37 SD: 0.365 RSD(%): 99.46

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: 9503G001-022 Seq. No.: 00060 A/S Pos.: 26 Date: 03/30/95

Replicate Time: 20:26
Peak Area (A-s): 0.095 Peak Height (A): 0.113
Background Pk Area (A-s): ... Background Pk Height (A): 0.108
~~~~~~

Peak Area (A-s): 0.095
Background Pk Area (A-s): 0.305
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 12.16

Peak Height (A): 0.113
Background Pk Height (A): 0.108

Rerun MSA RFK 3/30/95

Replicate 2
Peak Area (A-s): 0.097
Background Pk Area (A-s): 0.333
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 12.49

Time: 20:29
Peak Height (A): 0.125
Background Pk Height (A): 0.116

Mean Conc (ug/L): 12.33 SD: 0.234 RSD(%): 1.90

~~~~~~

As ID: 9503G001-022 Seq. No.: 00061 A/S Pos.: 26 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.213
Background Pk Area (A-s): 0.353
Blank Corrected Pk Area (A-s): 0.209
Concentration (ug/L): 29.09

Time: 20:32
Peak Height (A): 0.296
Background Pk Height (A): 0.155

Replicate 2
Peak Area (A-s): 0.207
Background Pk Area (A-s): 0.368
Blank Corrected Pk Area (A-s): 0.202
Concentration (ug/L): 28.21

Time: 20:35
Peak Height (A): 0.291
Background Pk Height (A): 0.155

Mean Conc (ug/L): 28.65 SD: 0.619 RSD(%): 2.16

Recovery is 81.6%

~~~~~~

As ID: 95GF734-MB1 Seq. No.: 00062 A/S Pos.: 27 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.011
Background Pk Area (A-s): 0.113
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.20

Time: 20:38
Peak Height (A): 0.020
Background Pk Height (A): 0.062

F934 / CCP/H2O

Replicate 2
Peak Area (A-s): 0.009
Background Pk Area (A-s): 0.032
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.14

Time: 20:41
Peak Height (A): 0.014
Background Pk Height (A): 0.023

Mean Conc (ug/L): 0.03 SD: 0.241 RSD(%): 810.16

~~~~~~

As ID: 95GF734-MB1 Seq. No.: 00063 A/S Pos.: 27 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.146
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.142
Concentration (ug/L): 19.53

Time: 20:44
Peak Height (A): 0.285
Background Pk Height (A): 0.025

Replicate
Peak Area ( ): 0.143
Background Pk Area (A-s): 0.026

Time: 20:47
Peak Height (A): 0.275
Background Pk Height (A): 0.022
~~~~~~

Mean Conc (ug/L): 37.74 SD: 0.707 RSD(%): 1.87

94.4%

~~~~~~

As ID: 95GF734-LC2 Seq. No.: 00067 A/S Pos.: 29 Date: 03/30/95

Replicate 1 Time: 21:08
Peak Area (A-s): 0.396 Peak Height (A): 0.747
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.391
Concentration (ug/L): 55.14

Replicate 2 Time: 21:11
Peak Area (A-s): 0.401 Peak Height (A): 0.754
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.396
Concentration (ug/L): 55.88

Mean Conc (ug/L): 55.51 SD: 0.519 RSD(%): 0.94

Recovery is 88.9%

~~~~~~

As ID: ACCV Seq. No.: 00068 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 21:14
Peak Area (A-s): 0.261 Peak Height (A): 0.528
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L): 35.84

Replicate 2 Time: 21:17
Peak Area (A-s): 0.265 Peak Height (A): 0.536
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.49

Mean Conc (ug/L): 36.16 SD: 0.458 RSD(%): 1.27

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00069 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 21:20
Peak Area (A-s): 0.009 Peak Height (A): 0.018
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.11

Replicate 2 Time: 21:23
Peak Area (A-s): 0.008 Peak Height (A): 0.016
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.21

Mean Conc (ug/L): -0.16 SD: 0.074 RSD(%): 45.72

QC sample [illegible]within range -3.0 - 2.0
~~~~~~

(4)

WESTON Analytics AA4.2 Report

Data File:AS033172 Date collected: 95/03/31 Time:
Method File: Date of Report: Time:
Analyst: BPH/PFK Remarks:

IDL = 1.9 ug/L

run 2

470

	AS ppb				
AICV	24.07	MASTO	1		12:39
ICB	-0.31	MASTO	1		12:45
CRA	10.52	MASTO	1		12:51
ACCV 1	36.06	MASTO	1		12:57
CCB	-0.97	MASTO	1		13:03
95GF736-MB1	-1.81	MASTO	1	95GF736	13:09
95GF736-LC1	38.34	MASTO	1		13:21
95036827-005	-1.42	MASTO	1		13:33
95036827-005R	-0.63	MASTO	1		13:44
ACCV 2	37.59	MASTO	1		13:56
CCB	-1.09	MASTO	1		14:02
95036827-005S	38.23	MASTO	1		14:08
95036716-001	-0.50	MASTO	1		14:20
95036716-001R	-1.28	MASTO	1		14:32
95036716-001S	38.97	MASTO	1		14:44
ACCV 3	38.37	MASTO	1		14:56
CCB	-1.36	MASTO	1		15:02
95036973-006	3.91	MASTO	10	95GF733	15:08
95036973-006R	3.53	MASTO	10		15:20
95036973-006S	6.14	MASTO	10		15:31
95GF738-MB1	-1.85	MASTO	1	95GF738	15:43
ACCV 4	36.58	MASTO	1		15:55
CCB	-1.59	MASTO	1		16:01
95GF738-LC1	36.77	MASTO	1		16:07
95GF738-LC2	37.09	MASTO	1		16:19
ACCV 5	37.36	MASTO	1		16:54
CCB	-1.13	MASTO	1		17:00
95036004-001S	17.50	MASTO	5		17:07
95036004-002	5.87	MASTO	1		17:18
95036004-004	-0.12	MASTO	1		17:42
ACCV 6	36.28	MASTO	1		17:54
CCB	-1.47	MASTO	1		18:00
95036004-005	-1.57	MASTO	1		18:06
95036004-006	-0.34	MASTO	1		18:18
95036004-007	-1.25	MASTO	1		18:30
95036004-008	-1.67	MASTO	1		18:42
ACCV 7	37.43	MASTO	1		18:54
CCB	-1.75	MASTO	1		19:00
95036004-009	-1.13	MASTO	1		19:06
95036004-010	-0.90	MASTO	1		19:18
95036004-001	14.94	MASTO	5		19:30
95036004-001R	13.57	MASTO	5		19:42
ACCV 8	35.57	MASTO	1		19:54
CCB	-1.34	MASTO	1		20:00
95036004-003	13.04	MASTO	5		20:06
95GF739-MB1	-1.98	MASTO	1	95GF739	20:18
95GF739-LC1	34.70	MASTO	1		20:29
95GF739-LC2	37.31	MASTO	1		20:41
ACCV 9	37.20	MASTO	1		20:53
CCB	-0.60	MASTO	1		20:59
95036023-001	-0.50	MASTO	1		21:05
ACCV 10	36.21	MASTO	1		21:17
CCB	-1.13	MASTO	1		21:23
ACCV 11	36.22	MASTO	1		22:10
CCB	-1.62	MASTO	1		22:16
95036023-00[illegible]	0.28	MASTO	1		22:23
95036023-00[illegible]	37.39	MASTO	1		22:34
[illegible]	[illegible]	MASTO	1		[illegible]

[illegible] 4/3/95

Dan [illegible] 4/3/95

Debbie Kelly 4/3/95

Metrev 4/3/95 DAK

95036023-002	1.24	MASTD	1		22:46
95036023-003	-0.87	MASTD	1		22:58
ACCV	36.56	MASTD	1		23:10
CCB 12	-0.80	MASTD	1		23:16
95036023-004	1.70	MASTD	1		23:22
95036023-005	-0.26	MASTD	1		23:34
95036023-006	-1.77	MASTD	1		23:46
ACCV 13	36.53	MASTD	1		23:58
CCB	-2.01	MASTD	1		00:04
ACCV 14	36.94	MASTD	1		00:29
CCB	-2.53	MASTD	1		00:32
• 95036001-017	17.40 S	MASTD	1	956F735	00:35
95036001-017R	15.80 S	MASTD	1		00:46
95036001-019	15.30 S	MASTD	1		00:58
95036001-020	15.40 S	MASTD	1		01:10
95036001-021	12.00 S	MASTD	1		01:22
ACCV 15	37.82	MASTD	1		01:34
CCB	-0.78	MASTD	1		01:37
95036001-022	15.40 S	MASTD	1		01:40
• 95036943-008	33.00	MASTD	1	956F737	01:52
95036943-012	17.00	MASTD	1		02:04
95036943-016	38.80	MASTD	1		02:16
95036943-017	39.10	MASTD	1		02:28
ACCV 16	37.97	MASTD	1		02:40
CCB	-1.80	MASTD	1		02:43

WESTON-Gulf Coast, Inc. OP No. 21-21G-1537
AA4 - PE5100PC GFAA Sample Analysis Log

Element: AG Lamp: EDL Current: 305 Filename: AS0331X7
Energy: 41

Prep Batch / Matrix: F736/F733 /F739 QC: (a) Standard (b) CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	95GF736-MB1				F736/CLP/H2O
7	LCS				
8	9503G827-005				
9	(R)				
10	(S)				
11	9503G716-001				
12	(R)				
13	(S)				3, 3/31/95
14	9503G973-006 10X				F736/STD/SOIL
15	(R) ↓				
16	(S) ↓				
17	95GF738-MB1				F738/STD SOIL
18	LCS1				
19	LCS2				
20	9503G004-001	5X	✓		
21	(R)	5X	✓		
22 *	(S) (5+)	~~5X~~	✓		
23	002				
24	003	5X	✓		
25	004				
26	005				
27	006				
28	007				
29	008				
30	009				
31	010				
32	-001 (5X)				
33	-001R (5X				
34	-003 (5X)				
35	95GF739-MB1				
36	-LCS1				
37	-LCS2				
38	9503G073-001				
39	ICV 25.00 ppb				
40	Blank H2O				

Analyst: [signature] Date: 3/31/95

Reviewer: [signature] Date: 4/4/95

* Rerun ~~5+q~~ PFK 3/31/95 5X in Same position

Cont. on Page 240

Element File: ASMSA.GEL
Element: As
Print Data: Main+Suppl.
Analyst: BPH/PFK
Peak Storage: None

Remarks:
Standards 1276-72-5 [illegible]
ICV,CCV'S 1276-~~71-1~~ 727
4 ul of Pd & Mg matrix modifier
LAMP SERIAL #225,AS EDL,IDL= 1.9
ANALYST-BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100
Wavelength: 193.7 Peak
Signal Type: Zeeman AA
Read Time: 7.0
Sample Replicates: 1
Standard Replicates: 1

Technique: HGA
Slit: 0.70 Low
Signal Measurement: Peak Area
Read Delay: 0
BOC Time: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0	----------	40	20	8	5	
Standard 1	S10.00	10.00	37	10		5	
Standard 2	S20.00	20.00	38	10		5	
Standard 3	S30.00	30.00	39	10		5	
Samples	----------	----------	--------	20	8	5	

Diluent Location: 40
Modifier #1 Location: 0
Calibration Units: ug/L
Calibration Type: Meth. of Add.
Modifier #2 Location:
Sample Units: ug/L

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	100	6	3	300		Alt
2	140	40	5	300		Alt
3	1200	30	10	300		Alt
4	20	1	10	300		Alt
5	2100	0	8	0	*	Alt
6	2500	1	5	300		Alt

Injection Temp: 60
Pipette Speed: 75%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Print Message Only
Alternate Sample Volumes (uL):
Run Alternate Volume Blanks: Yes

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Conc. Limits Upper	After Calib	Periodic Check	At End	Count As Sample
1	2	ACCV	31.5	38.5	X	X	X	
2	3	CCB	-3.0	2.0	X	X	X	

Run Periodic QC Samples: Every 5
Out of Limit Action: Stop

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 03/31/95 Time: 11:49 Slit: 0.70 L
Data File: AS0331X2.DAT ID/Wt File: AS033102.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 41
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-72-7, 5/5/95
Remark 3: MATRIX MODIFIER: Pd(NO3)2 & Mg(NO3)2
Remark 4: EDL SERIAL #913,IDL= 1.9
Remark 5: ANALYST-BRYAN HOST/PAUL KOLARCZYK

As ID: S0.0 Seq. No.: 00001 A/S Pos.: 40 Date: 03/31/95

Replicate 1 Time: 11:51
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.65

0.0015

Replicate 2 Time: 11:54
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.55

Mean Conc (ug/L): 0.60 SD: 0.072 RSD(%): 11.92

Auto-zero performed.

As ID: S10.0 Seq. No.: 00002 A/S Pos.: 4 Date: 03/31/95

0.0915

Replicate 1 Time: 11:57
Peak Area (A-s): 0.081 Peak Height (A): 0.184
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 10.98

Replicate 2 Time: 12:00
Peak Area (A-s): 0.082 Peak Height (A): 0.191
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 11.04

Mean Conc (ug/L): 11.01 SD: 0.038 RSD(%): 0.34

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0080 Int: -0.000

As ID: S20.0 Seq. No.: 00003 A/S Pos.: 5 Date: 03/31/95

0.163

Replicate 1 Time: 12:03
Peak Area (A-s): 0.164 Peak Height (A): 0.401
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.04
Blank Corre Pk Area (A-s): 0.163
Concentrati ug/L): 20.33

Replicate 2 Time: 12:07
Peak Area (A-s): 0.162 Peak Height (A): 0.383
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 20.03

Mean Conc (ug/L): 20.18 SD: 0.218 RSD(%): 1.08

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99999 Slope: 0.0081 Int: -0.000

~~~~~~

As ID: S30.0 Seq. No.: 00004 A/S Pos.: 5 Date: 03/31/95

Replicate 1 0.230 Time: 12:10
Peak Area (A-s): 0.232 Peak Height (A): 0.567
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.230
Concentration (ug/L): 28.53

Replicate 2 Time: 12:13
Peak Area (A-s): 0.228 Peak Height (A): 0.561
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.227
Concentration (ug/L): 28.14

Mean Conc (ug/L): 28.33 SD: 0.271 RSD(%): 0.96

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99907 Slope: 0.0077 Int: 0.002

~~~~~~

As ID: S50.0 Seq. No.: 00005 A/S Pos.: 1 Date: 03/31/95

Replicate 1 0.366 Time: 12:16
Peak Area (A-s): 0.371 Peak Height (A): 0.884
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.370
Concentration (ug/L): 47.91

Replicate 2 Time: 12:19
Peak Area (A-s): 0.361 Peak Height (A): 0.893
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.359
Concentration (ug/L): 46.49

Mean Conc (ug/L): 47.20 SD: 1.001 RSD(%): 2.12

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99885 Slope: 0.0073 Int: 0.007

~~~~~~

As ID: S70.0 Seq. No.: 00006 A/S Pos.: 1 Date: 03/31/95

Replicate 1 0.481 Time: 12:22
Peak Area (A-s): 0.480 Peak Height (A): 1.140
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.05
Blank Corrected Pk Area (A-s): 0.478
Concentration (ug/L): 64.84
~~~~~~

Concentration (ug/L): 64.84

477

Replicate 2 Time: 12:25
Peak Area (A-s): 0.482 Peak Height (A): 1.142
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.480
Concentration (ug/L): 65.13

Mean Conc (ug/L): 64.99 SD: 0.205 RSD(%): 0.32

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99793 Slope: 0.0068 Int: 0.014

~~~~~~

As ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 03/31/95

Replicate 1 Time: 12:28
Peak Area (A-s): 0.206 Peak Height (A): 0.466
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.205
Concentration (ug/L): 27.90

EDN 3/31/95

Replicate 2 Time: 12:31
Peak Area (A-s): 0.202 Peak Height (A): 0.460
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.200
Concentration (ug/L): 27.26

Mean Conc (ug/L): 27.58 SD: 0.453 RSD(%): 1.64

QC sample is out of range 22.5 - 27.5

~~~~~~

As ID: AICV Seq. No.: 00009 A/S Pos.: 39 Date: 03/31/95

Replicate 1 Time: 12:36
Peak Area (A-s): 0.181 Peak Height (A): 0.425
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.179
Concentration (ug/L): 24.20

Replicate 2 Time: 12:39
Peak Area (A-s): 0.179 Peak Height (A): 0.410
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.177
Concentration (ug/L): 23.93

Mean Conc (ug/L): 24.07 SD: 0.190 RSD(%): 0.79

QC sample is within range 22.5 - 27.5

~~~~~~

As ID: ICB Seq. No.: 00010 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 12:42
Peak Area (A-s): 0.014 Peak Height (A): 0.018
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.02[illegible]
Blank Corre[illegible] Pk Area (A-s): 0.012
Concentrati[illegible]ug/L): -0.25

Replicate 2
~~~~~~

Peak Area (A-s): 0.013 Peak Height (A): 0.017
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): -0.36

Mean Conc (ug/L): -0.31 SD: 0.072 RSD(%): 23.64

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: CRA Seq. No.: 00011 A/S Pos.: 4 Date: 03/31/95

Replicate 1 Time: 12:48
Peak Area (A-s): 0.086 Peak Height (A): 0.192
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 10.30

Replicate 2 Time: 12:51
Peak Area (A-s): 0.089 Peak Height (A): 0.195
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 10.73

Mean Conc (ug/L): 10.52 SD: 0.300 RSD(%): 2.85

QC sample is within range 5.0 - 15.0

~~~~~~

As ID: ACCV Seq. No.: 00012 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 12:54
Peak Area (A-s): 0.262 Peak Height (A): 0.625
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.01

Replicate 2 Time: 12:57
Peak Area (A-s): 0.262 Peak Height (A): 0.637
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.261
Concentration (ug/L): 36.11

Mean Conc (ug/L): 36.06 SD: 0.077 RSD(%): 0.21

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00013 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 13:00
Peak Area (A-s): 0.010 Peak Height (A): 0.018
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): -0.80

Replicate 2 Time: 13:03
Peak Area (A-s): 0.007 Peak Height (A): 0.016
Background Pk A
~~~~~~

Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.031

Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.15

Mean Conc (ug/L): -0.97 SD: 0.251 RSD(%): 25.84

QC sample is within range -3.0 - 2.0 ✓

~~~~~~

As ID: 95GF736-MB1 Seq. No.: 00014 A/S Pos.: 6 Date: 03/31/95

Replicate 1 Time: 13:06
Peak Area (A-s): 0.003 Peak Height (A): 0.030
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.84

F736/cup/H2O

Replicate 2 Time: 13:09
Peak Area (A-s): 0.003 Peak Height (A): 0.015
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -1.78

Mean Conc (ug/L): -1.81 SD: 0.046 RSD(%): 2.56

~~~~~~

As ID: 95GF736-MB1 Seq. No.: 00015 A/S Pos.: 6 Date: 03/31/95

Replicate 1 Time: 13:12
Peak Area (A-s): 0.153 Peak Height (A): 0.386
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 20.21

Replicate 2 Time: 13:15
Peak Area (A-s): 0.151 Peak Height (A): 0.382
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 19.82

Mean Conc (ug/L): 20.01 SD: 0.274 RSD(%): 1.37 ✓

Recovery is 109.1% 100.0%

~~~~~~

As ID: 95GF736-LC1 Seq. No.: 00016 A/S Pos.: 7 Date: 03/31/95

Replicate 1 Time: 13:18
Peak Area (A-s): 0.276 Peak Height (A): 0.665
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.274
Concentration (ug/L): 38.11

Replicate 2 Time: 13:21
Peak Area (A-s): 0.279 Peak Height (A): 0.668
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.05[illegible]
Blank Corre[illegible] Pk Area (A-s): 0.278
Concentrati[illegible] ug/L): 38.56

Mean Conc (ug/L): [illegible]
~~~~~~

Peak Area (A-s): 0.010 Peak Height (A): 0.014
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): -0.72

Replicate 2 Time: 13:44
Peak Area (A-s): 0.012 Peak Height (A): 0.018
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): -0.54

Mean Conc (ug/L): -0.63 SD: 0.131 RSD(%): 20.79

~~~~~~

As ID: 9503G827-005R Seq. No.: 00021 A/S Pos.: 9 Date: 03/31/95

Replicate 1 Time: 13:47
Peak Area (A-s): 0.150 Peak Height (A): 0.384
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 19.71

Replicate 2 Time: 13:50
Peak Area (A-s): 0.163 Peak Height (A): 0.413
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 21.53

Mean Conc (ug/L): 20.62 103.1% SD: 1.290 RSD(%): 6.26 ✓

Recovery is 106.2%

~~~~~~

As ID: ACCV Seq. No.: 00022 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 13:53
Peak Area (A-s): 0.271 Peak Height (A): 0.629
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.270
Concentration (ug/L): 37.43

Replicate 2 Time: 13:56
Peak Area (A-s): 0.273 Peak Height (A): 0.628
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.272
Concentration (ug/L): 37.75

Mean Conc (ug/L): 37.59 SD: 0.228 RSD(%): 0.61

QC sample is within range 31.5 - 38.5 ✓

~~~~~~

As ID: CCB Seq. No.: 00023 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 13:59
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.02[illegible]
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): [illegible]
~~~~~~

Concentration (ug/L): -0.81

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Replicate 2 Time: 14:02
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -1.38

Mean Conc (ug/L): -1.09 SD: 0.399 RSD(%): 36.49

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: 9503G827-005S Seq. No.: 00024 A/S Pos.: 10 Date: 03/31/95

Replicate 1 Time: 14:05
Peak Area (A-s): 0.274 Peak Height (A): 0.660
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.273
Concentration (ug/L): 37.84

Replicate 2 Time: 14:08
Peak Area (A-s): 0.279 Peak Height (A): 0.687
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 38.62

Mean Conc (ug/L): 38.23 95.6% SD: 0.552 RSD(%): 1.44

~~~~~~

As ID: 9503G827-005S Seq. No.: 00025 A/S Pos.: 10 Date: 03/31/95

Replicate 1 Time: 14:11
Peak Area (A-s): 0.410 Peak Height (A): 1.056
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.408
Concentration (ug/L): 57.70

Replicate 2 Time: 14:14
Peak Area (A-s): 0.412 Peak Height (A): 1.029
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.411
Concentration (ug/L): 58.04

Mean Conc (ug/L): 57.87 SD: 0.244 RSD(%): 0.42

Recovery is 98.2%

~~~~~~

As ID: 9503G716-001 Seq. No.: 00026 A/S Pos.: 11 Date: 03/31/95

Replicate 1 Time: 14:17
Peak Area (A-s): 0.017 Peak Height (A): 0.022
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 0.29

Replicate [illegible] Time: 14:20
Peak Area ([illegible]): 0.007 Peak Height (A): 0.018
Background [illegible] Area (A-s): 0.047 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.005
~~~~~~

As ID: 9503G716-001S Seq. No.: 00030 A/S Pos.: 13 Date: 03/31/95

Replicate 1 Time: 14:41
Peak Area (A-s): 0.278 Peak Height (A): 0.620
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.277
Concentration (ug/L): 38.45

Replicate 2 Time: 14:44
Peak Area (A-s): 0.285 Peak Height (A): 0.605
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.284
Concentration (ug/L): 39.48

Mean Conc (ug/L): 38.97 97.4% SD: 0.733 RSD(%): 1.88

As ID: 9503G716-001S Seq. No.: 00031 A/S Pos.: 13 Date: 03/31/95

Replicate 1 Time: 14:47
Peak Area (A-s): 0.421 Peak Height (A): 0.875
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.420
Concentration (ug/L): 59.38

Replicate 2 Time: 14:50
Peak Area (A-s): 0.427 Peak Height (A): 0.867
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.425
Concentration (ug/L): 60.19

Mean Conc (ug/L): 59.79 SD: 0.575 RSD(%): 0.96

Recovery is 104.1%

As ID: ACCV 3 Seq. No.: 00032 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 14:53
Peak Area (A-s): 0.279 Peak Height (A): 0.612
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.278
Concentration (ug/L): 38.57

Replicate 2 Time: 14:56
Peak Area (A-s): 0.276 Peak Height (A): 0.585
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.275
Concentration (ug/L): 38.16

Mean Conc (ug/L): 38.37 SD: 0.291 RSD(%): 0.76

QC sample is within range 31.5 - 38.5

As ID: C 3 Seq. No.: 00033 A/S Pos.: 3 Date. 3/31/95

Replicate 1 Time: 14:59

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Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.10

Replicate 2 Time: 15:02
Peak Area (A-s): 0.004 Peak Height (A): 0.016
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -1.62

Mean Conc (ug/L): -1.36 SD: 0.368 RSD(%): 27.11

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: 9503G973-006 10 Seq. No.: 00034 A/S Pos.: 14 Date: 03/31/95

Replicate 1 Time: 15:05
Peak Area (A-s): 0.049 Peak Height (A): 0.055
Background Pk Area (A-s): 0.273 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 4.85

Replicate 2 Time: 15:08
Peak Area (A-s): 0.036 Peak Height (A): 0.046
Background Pk Area (A-s): 0.339 Background Pk Height (A): 0.232
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 2.96

Mean Conc (ug/L): 3.91 SD: 1.341 RSD(%): 34.33 ✓

~~~~~~

As ID: 9503G973-006 10 Seq. No.: 00035 A/S Pos.: 14 Date: 03/31/95

Replicate 1 Time: 15:11
Peak Area (A-s): 0.161 Peak Height (A): 0.177
Background Pk Area (A-s): 0.372 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 21.34

Replicate 2 Time: 15:14
Peak Area (A-s): 0.161 Peak Height (A): 0.180
Background Pk Area (A-s): 0.372 Background Pk Height (A): 0.185
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 21.35

Mean Conc (ug/L): 21.35 SD: 0.011 RSD(%): 0.05

Recovery is 87.2% ✓

~~~~~~

As ID: 9503G973-006R10 Seq. No.: 00036 A/S Pos.: 15 Date: 03/31/95

Replicate 1 Time: 15:17
Peak Area (A-s): 0.039 Peak Height (A): 0.060
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.1
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 3.40
~~~~~~

Mean Conc (ug/L): 24.16 SD: 1.068 RSD(%): 4.42

Recovery is 90.1%

~~~~~~

As ID: 95GF738-MB1 Seq. No.: 00040 A/S Pos.: 17 Date: 03/31/95

Replicate 1 Time: 15:40
Peak Area (A-s): 0.003 Peak Height (A): 0.039
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.87

Replicate 2 Time: 15:43
Peak Area (A-s): 0.003 Peak Height (A): 0.017
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.83

Mean Conc (ug/L): -1.85 SD: 0.031 RSD(%): 1.70

~~~~~~

As ID: 95GF738-MB1 Seq. No.: 00041 A/S Pos.: 17 Date: 03/31/95

Replicate 1 Time: 15:46
Peak Area (A-s): 0.160 Peak Height (A): 0.306
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 21.09

Replicate 2 Time: 15:49
Peak Area (A-s): 0.152 Peak Height (A): 0.290
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 20.03

Mean Conc (ug/L): 20.56 SD: 0.753 RSD(%): 3.66

Recovery is 112.1% 102.8%

~~~~~~

As ID: ACCV Seq. No.: 00042 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 15:52
Peak Area (A-s): 0.266 Peak Height (A): 0.609
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.264
Concentration (ug/L): 36.65

Replicate 2 Time: 15:55
Peak Area (A-s): 0.265 Peak Height (A): 0.591
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.263
Concentration (ug/L): 36.50

Mean Conc ' 'L): 36.58 SD: 0.105 RSD(%: .29

QC sample is within range 31.5 - 38.5
~~~~~~

As ID: CCB Seq. No.: 00043 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 15:58
Peak Area (A-s): 0.007 Peak Height (A): 0.015
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -1.23

Replicate 2 Time: 16:01
Peak Area (A-s): 0.002 Peak Height (A): 0.018
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.94

Mean Conc (ug/L): -1.59 SD: 0.502 RSD(%): 31.57

QC sample is within range -3.0 - 2.0

As ID: 95GF738-LC1 Seq. No.: 00044 A/S Pos.: 18 Date: 03/31/95

Replicate 1 Time: 16:04
Peak Area (A-s): 0.261 Peak Height (A): 0.526
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 35.98

Replicate 2 Time: 16:07
Peak Area (A-s): 0.272 Peak Height (A): 0.518
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.271
Concentration (ug/L): 37.56

Mean Conc (ug/L): 36.77 91.9% SD: 1.117 RSD(%): 3.04

As ID: 95GF738-LC1 Seq. No.: 00045 A/S Pos.: 18 Date: 03/31/95

Replicate 1 Time: 16:10
Peak Area (A-s): 0.410 Peak Height (A): 0.776
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.409
Concentration (ug/L): 57.75

Replicate 2 Time: 16:13
Peak Area (A-s): 0.417 Peak Height (A): 0.833
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.415
Concentration (ug/L): 58.74

Mean Conc (ug/L): 58.24 SD: 0.697 RSD(%): 1.20

Recovery is 107.4%

As ID: [redacted]738-LC2 Seq. No.: 00046 A/S Pos.: 19 Date: [redacted]/31/95

Replicate 1 Time: 16:16

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 16:36
Peak Area (A-s): 0.587 Peak Height (A): 0.840
Background Pk Area (A-s): 2.344 Background Pk Height (A): 1.615
Blank Corrected Pk Area (A-s): 0.585
Concentration (ug/L): 83.55

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 83.72 SD: 0.233 RSD(%): 0.28

Recovery is 50.6%

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As ID: 9503G004-001R Seq. No.: 00050 A/S Pos.: 21 Date: 03/31/95

Replicate 1 Time: 16:39
Peak Area (A-s): 0.460 Peak Height (A): 0.706
Background Pk Area (A-s): 2.206 Background Pk Height (A): 1.434
Blank Corrected Pk Area (A-s): 0.458
Concentration (ug/L): 64.97

Replicate 2 Time: 16:42
Peak Area (A-s): 0.461 Peak Height (A): 0.659
Background Pk Area (A-s): 2.169 Background Pk Height (A): 1.378
Blank Corrected Pk Area (A-s): 0.460
Concentration (ug/L): 65.21

Rerun PF 3/31/95

Mean Conc (ug/L): 65.09 SD: 0.166 RSD(%): 0.25

~~~~~~

As ID: 9503G004-001R Seq. No.: 00051 A/S Pos.: 21 Date: 03/31/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:45
Peak Area (A-s): 0.538 Peak Height (A): 0.789
Background Pk Area (A-s): 2.241 Background Pk Height (A): 1.500
Blank Corrected Pk Area (A-s): 0.536
Concentration (ug/L): 76.44

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 16:48
Peak Area (A-s): 0.537 Peak Height (A): 0.767
Background Pk Area (A-s): 2.244 Background Pk Height (A): 1.497
Blank Corrected Pk Area (A-s): 0.535
Concentration (ug/L): 76.25

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 76.34 SD: 0.134 RSD(%): 0.17

Recovery is 56.2%

~~~~~~

As ID: ACCV Seq. No.: 00052 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 16:51
Peak Area ( ): 0.272 Peak Height (A): 0.490
Background Area (A-s): 0.171 Background Pk Height (A): 0.26
Blank Corrected Pk Area (A-s): 0.271
~~~~~~

487

Concentration (ug/L): 37.61

Replicate 2 Time: 16:54
Peak Area (A-s): 0.269 Peak Height (A): 0.569
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.268
Concentration (ug/L): 37.11

Mean Conc (ug/L): 37.36 SD: 0.358 RSD(%): 0.96

QC sample is within range 31.5 - 38.5

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As ID: CCB 5 Seq. No.: 00053 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 16:57
Peak Area (A-s): 0.008 Peak Height (A): 0.020
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): -1.05

Replicate 2 Time: 17:00
Peak Area (A-s): 0.007 Peak Height (A): 0.018
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.22

Mean Conc (ug/L): -1.13 SD: 0.118 RSD(%): 10.41

QC sample is within range -3.0 - 2.0

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As ID: 9503G004-001S 5 Seq. No.: 00054 A/S Pos.: 22 Date: 03/31/95

Replicate 1 Time: 17:03
Peak Area (A-s): 0.139 Peak Height (A): 0.130
Background Pk Area (A-s): 0.286 Background Pk Height (A): 0.106
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 18.11

Replicate 2 Time: 17:07
Peak Area (A-s): 0.131 Peak Height (A): 0.120
Background Pk Area (A-s): 0.343 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 16.90

Mean Conc (ug/L): 17.50 SD: 0.861 RSD(%): 4.92

~~~~~~

As ID: 9503G004-001S 5 Seq. No.: 00055 A/S Pos.: 22 Date: 03/31/95

Replicate 1 Time: 17:09
Peak Area (A-s): 0.268 Peak Height (A): 0.320
Background Pk Area (A-s): 0.343 Background Pk Height (A): 0.167
Blank Corrected Pk Area (A-s): 0.266
Concentration (ug/L): 36.94

Replicate Time: 17:12
Peak Area): 0.274 Peak Height (A): 0.319
Background Area (A-s): 0.359 Background Pk Height (A): 0.16
Blank Corrected Pk Area (A-s): 0.272
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As ID: ACCV Seq. No.: 00062 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 17:51
Peak Area (A-s): 0.260 Peak Height (A): 0.554
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 35.83

Replicate 2 Time: 17:54
Peak Area (A-s): 0.267 Peak Height (A): 0.551
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.265
Concentration (ug/L): 36.74

Mean Conc (ug/L): 36.28 SD: 0.648 RSD(%): 1.79

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00063 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 17:57
Peak Area (A-s): 0.003 Peak Height (A): 0.020
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -1.76

Replicate 2 Time: 18:00
Peak Area (A-s): 0.007 Peak Height (A): 0.018
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.17

Mean Conc (ug/L): -1.47 SD: 0.419 RSD(%): 28.58

QC sample is within range -3.0 - 2.0

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As ID: 9503G004-005 Seq. No.: 00064 A/S Pos.: 26 Date: 03/31/95

Replicate 1 Time: 18:03
Peak Area (A-s): 0.002 Peak Height (A): 0.015
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.94

Replicate 2 Time: 18:06
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.20

Mean Conc (ug/L): -1.57 SD: 0.524 RSD(%): 33.40

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As ID: 9 3004-005 Seq. No.: 00065 A/S Pos.: 26 Date. 3/31/95

Replicate 1 Time: 18:0?

Mean Conc (ug/L): 20.16 SD: 0.906 RSD(%): 4.49

Recovery is 109.2% 100.8%

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As ID: ACCV Seq. No.: 00072 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 18:51
Peak Area (A-s): 0.271 Peak Height (A): 0.548
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.270
Concentration (ug/L): 37.41

Replicate 2 Time: 18:54
Peak Area (A-s): 0.271 Peak Height (A): 0.557
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.270
Concentration (ug/L): 37.46

Mean Conc (ug/L): 37.43 SD: 0.032 RSD(%): 0.09

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00073 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 18:57
Peak Area (A-s): 0.003 Peak Height (A): 0.020
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.88

Replicate 2 Time: 19:00
Peak Area (A-s): 0.004 Peak Height (A): 0.016
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -1.63

Mean Conc (ug/L): -1.75 SD: 0.178 RSD(%): 10.17

QC sample is within range -3.0 - 2.0

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As ID: 9503G004-009 Seq. No.: 00074 A/S Pos.: 30 Date: 03/31/95

Replicate 1 Time: 19:03
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.10

Replicate 2 Time: 19:06
Peak Area (A-s): 0.007 Peak Height (A): 0.014
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.15

Mean Conc (ug/L): -1.13 SD: 0.034 RSD(%): 3.04
~~~~~~

Replicate Time: 19:48

Peak Area (A-s): 0.240 Peak Height (A): 0.283
Background Pk Area (A-s): 0.468 Background Pk Height (A): 0.217
Blank Corrected Pk Area (A-s): 0.238
Concentration (ug/L): 32.85

Mean Conc (ug/L): 33.35 SD: 0.704 RSD(%): 2.11

Recovery is 98.9%

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As ID: ACCV Seq. No.: 00082 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 19:51
Peak Area (A-s): 0.262 Peak Height (A): 0.447
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.03

Replicate 2 Time: 19:54
Peak Area (A-s): 0.255 Peak Height (A): 0.514
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.254
Concentration (ug/L): 35.11

Mean Conc (ug/L): 35.57 SD: 0.652 RSD(%): 1.83

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00083 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 19:57
Peak Area (A-s): 0.010 Peak Height (A): 0.020
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): -0.85

Replicate 2 Time: 20:00
Peak Area (A-s): 0.003 Peak Height (A): 0.016
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.82

Mean Conc (ug/L): -1.34 SD: 0.686 RSD(%): 51.27

QC sample is within range -3.0 - 2.0

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As ID: 9503G004-003 5X Seq. No.: 00084 A/S Pos.: 34 Date: 03/31/95

Replicate 1 Time: 20:03
Peak Area (A-s): 0.106 Peak Height (A): 0.111
Background Pk Area (A-s): 0.270 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 13.23

Replicate 2 Time: 20:06
Peak Area (A-s): 0.103 Peak Height (A): 0.113
Background Pk A...

490
~~~~~~

Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.068

Blank Corrected Pk Area (A-s): 0.408
Concentration (ug/L): 57.69

Replicate 2 Time: 20:47
Peak Area (A-s): 0.410 Peak Height (A): 0.942
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.409
Concentration (ug/L): 57.73

Mean Conc (ug/L): 57.71 SD: 0.025 RSD(%): 0.04

Recovery is 102.0%

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As ID: ACCV Seq. No.: 00092 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 20:50
Peak Area (A-s): 0.270 Peak Height (A): 0.492
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.269
Concentration (ug/L): 37.27

Replicate 2 Time: 20:53
Peak Area (A-s): 0.269 Peak Height (A): 0.499
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.268
Concentration (ug/L): 37.12

Mean Conc (ug/L): 37.20 SD: 0.110 RSD(%): 0.29

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00093 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 20:56
Peak Area (A-s): 0.013 Peak Height (A): 0.018
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): -0.41

Replicate 2 Time: 20:59
Peak Area (A-s): 0.010 Peak Height (A): 0.014
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): -0.79

Mean Conc (ug/L): -0.60 SD: 0.269 RSD(%): 45.06

QC sample is within range -3.0 - 2.0

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As ID: 9503G023-001 Seq. No.: 00094 A/S Pos.: 38 Date: 03/31/95

Replicate 1 Time: 21:02
Peak Area (A-s): 0.013 Peak Height (A): 0.024
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.02
Blank Corrected Pk Area (A-s): 0.012
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Concentration (ug/L): -0.34

Replicate 2 Time: 21:05
Peak Area (A-s): 0.011 Peak Height (A): 0.029
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): -0.65

Mean Conc (ug/L): -0.50 SD: 0.219 RSD(%): 44.27

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As ID: 9503G023-001 Seq. No.: 00095 A/S Pos.: 38 Date: 03/31/95

Replicate 1 Time: 21:08
Peak Area (A-s): 0.173 Peak Height (A): 0.218
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 23.01

Replicate 2 Time: 21:11
Peak Area (A-s): 0.158 Peak Height (A): 0.248
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 20.81

Mean Conc (ug/L): 21.91 SD: 1.550 RSD(%): 7.07

Recovery is 112.0% 109.6%

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As ID: ACCV 10 Seq. No.: 00096 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 21:14
Peak Area (A-s): 0.262 Peak Height (A): 0.533
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.04

Replicate 2 Time: 21:17
Peak Area (A-s): 0.264 Peak Height (A): 0.502
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.263
Concentration (ug/L): 36.38

Mean Conc (ug/L): 36.21 SD: 0.240 RSD(%): 0.66

QC sample is within range 31.5 - 38.5

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As ID: CCB 10 Seq. No.: 00097 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 21:20
Peak Area (A-s): 0.011 Peak Height (A): 0.018
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): -0.58

Replicate Time: 21:23
Peak Area ( ): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.002
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Blank Corrected Pk Area (A-s): 0.002

Concentration (ug/L): -1.68

Mean Conc (ug/L): -1.13 SD: 0.776 RSD(%): 68.67

QC sample is within range -3.0 - 2.0

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As ID: ACCV Seq. No.: 00099 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 22:07
Peak Area (A-s): 0.265 Peak Height (A): 0.504
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.264
Concentration (ug/L): 36.53

Replicate 2 Time: 22:10
Peak Area (A-s): 0.261 Peak Height (A): 0.505
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.259
Concentration (ug/L): 35.90

Mean Conc (ug/L): 36.22 SD: 0.447 RSD(%): 1.23

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As ID: CCB Seq. No.: 00100 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 22:13
Peak Area (A-s): 0.005 Peak Height (A): 0.014
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -1.56

Replicate 2 Time: 22:16
Peak Area (A-s): 0.004 Peak Height (A): 0.016
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -1.68

Mean Conc (ug/L): -1.62 SD: 0.084 RSD(%): 5.16

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As ID: 9503G023-001R Seq. No.: 00101 A/S Pos.: 6 Date: 03/31/95

Replicate 1 Time: 22:20
Peak Area (A-s): 0.018 Peak Height (A): 0.023
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 0.42

Replicate 2 Time: 22:23
Peak Area (A-s): 0.016 Peak Height (A): 0.026
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 0.14

Mean Conc (ug/L): 0.28 SD: 0.200 RSD(%): 72.36
~~~~~~

Peak Area (A-s): 0.158 Peak Height (A): 0.347
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 20.80

Mean Conc (ug/L): 21.25 SD: 0.633 RSD(%): 2.98

Recovery is 110.6% 106.2%

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As ID: ACCV Seq. No.: 00109 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 23:07
Peak Area (A-s): 0.265 Peak Height (A): 0.513
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.264
Concentration (ug/L): 36.53

Replicate 2 Time: 23:10
Peak Area (A-s): 0.266 Peak Height (A): 0.487
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.264
Concentration (ug/L): 36.60

Mean Conc (ug/L): 36.56 SD: 0.045 RSD(%): 0.12

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00110 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 23:13
Peak Area (A-s): 0.007 Peak Height (A): 0.015
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -1.16

Replicate 2 Time: 23:16
Peak Area (A-s): 0.012 Peak Height (A): 0.015
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): -0.43

Mean Conc (ug/L): -0.80 SD: 0.513 RSD(%): 64.41

QC sample is within range -3.0 - 2.0

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As ID: 9503G023-004 Seq. No.: 00111 A/S Pos.: 10 Date: 03/31/95

Replicate 1 Time: 23:19
Peak Area (A-s): 0.028 Peak Height (A): 0.042
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 1.86

Replicate Time: 23:22
Peak Area (A-s): 0.026 Peak Height (A): 0.038
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Recovery is 103.4% 104.2% ✓

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As ID: 9503G023-006 Seq. No.: 00115 A/S Pos.: 12 Date: 03/31/95

Replicate 1 Time: 23:43
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): -0.80

Replicate 2 Time: 23:46
Peak Area (A-s): -0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.73

Mean Conc (ug/L): -1.77 SD: 1.363 RSD(%): 77.19

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As ID: 9503G023-006 Seq. No.: 00116 A/S Pos.: 12 Date: 03/31/95

Replicate 1 Time: 23:49
Peak Area (A-s): 0.161 Peak Height (A): 0.351
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 21.34

Replicate 2 Time: 23:52
Peak Area (A-s): 0.166 Peak Height (A): 0.343
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 22.01

Mean Conc (ug/L): 21.68 SD: 0.469 RSD(%): 2.16

Recovery is 117.2% 108.4%

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As ID: ACCV \78 Seq. No.: 00117 A/S Pos.: 2 Date: 03/31/95

Replicate 1 Time: 23:55
Peak Area (A-s): 0.268 Peak Height (A): 0.476
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.267
Concentration (ug/L): 37.02

Replicate 2 Time: 23:58
Peak Area (A-s): 0.262 Peak Height (A): 0.489
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 36.03

Mean Conc (ug/L): 36.53 SD: 0.704 RSD(%): 1.93

QC sample is within range 31.5 - 38.5

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As ID: \13 Seq. No.: 00118 A/S Pos.: 3 Date /31/95

Replicate 1 Time: 00:01

Peak Area (A-s): -0.002
Background Pk Area (A-s): 0.043
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -2.61

Peak Height (A): 0.011
Background Pk Height (A): 0.021

Replicate 2
Peak Area (A-s): 0.006
Background Pk Area (A-s): 0.043
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -1.42

Time: 00:04
Peak Height (A): 0.015
Background Pk Height (A): 0.023

Mean Conc (ug/L): -2.01

SD: 0.841

RSD(%): 41.76

QC sample is within range -3.0 - 2.0

Element File: ASMSA.GEL | Element: As | Wavelength: 193.7
Date: 04/01/95 | Time: 00:29 | Slit: 0.70 L
Data File: AS0331X2.DAT | ID/Wt File: AS033102.IDW | Lamp Current: 0
Technique: HGA | Calib. Type: Meth. of Add. | Energy: 40
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-~~71~~ 73-7
Remark 3: 4 ul of Pd & Mg matrix modifier
Remark 4: LAMP SERIAL #225,AS EDL,IDL= 1.9
Remark 5: ANALYST-BRYAN HOST/PAUL KOLARCZYK

As ID: ACCV Seq. No.: 00119 A/S Pos.: 2 Date: 04/01/95

X' = 36.94

Replicate 1 Time: 00:29
Peak Area (A-s): 0.268 Peak Height (A): 0.450
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.268

As ID: CCB Seq. No.: 00120 A/S Pos.: 3 Date: 04/01/95

X' = -2.553

Replicate 1 Time: 00:32
Peak Area (A-s): -0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.002

As ID: 9503G001-017 Seq. No.: 00121 A/S Pos.: 13 Date: 04/01/95

~~X' = -2.63~~ PFK 3/31/95

Replicate 1 Time: 00:35 F 735/CCP
Peak Area (A-s): 0.095 Peak Height (A): 0.107
Background Pk Area (A-s): 0.585 Background Pk Height (A): 0.245
Blank Corrected Pk Area (A-s): 0.095

As ID: S10.00 Seq. No.: 00122 A/S Pos.: 13 Date: 04/01/95

Replicate 1 Time: 00:38
Peak Area (A-s): 0.148 Peak Height (A): 0.223
Background Pk Area (A-s): 0.732 Background Pk Height (A): 0.393
Blank Corrected Pk Area (A-s): 0.148

As ID: S20.00 Seq. No.: 00123 A/S Pos.: 13 Date: 04/01/95

Replicate 1 Time: 00:41
Peak Area (A-s): 0.207 Peak Height (A): 0.311
Background Pk Area (A-s): 0.735 Background Pk Height (A): 0.413
Blank Corrected Pk Area (A-s): 0.207

As ID: S30.00 Seq. No.: 00124 A/S Pos.: 13 Date: 04/01/95

Replicate 1 Time: 00:43
Peak Area (A-s): 0.257 Peak Height (A): 0.383
Background Pk Area (A-s): 0.780 Background Pk Height (A): 0.432
Blank Corrected Pk Area (A-s): 0.257

As ID: [redacted]3G001-017 Seq. No.: 00121 A/S Pos.: 13 Date: [redacted]/01/95

Concentration (ug/L): 17.34

CC = 0.9995 M = 0.0055 B = 0.0950 x' = -17.43 17.40

Correlation coefficient: 0.99946 Slope: 0.0055 Int: 0.095

PFK 4/1/95

As ID: 9503G001-017R Seq. No.: 00125 A/S Pos.: 14 Date: 04/01/95

Replicate 1 Time: 00:46
Peak Area (A-s): 0.091 Peak Height (A): 0.113
Background Pk Area (A-s): 0.740 Background Pk Height (A): 0.330
Blank Corrected Pk Area (A-s): 0.091

As ID: S10.00 Seq. No.: 00126 A/S Pos.: 14 Date: 04/01/95

Replicate 1 Time: 00:49
Peak Area (A-s): 0.152 Peak Height (A): 0.234
Background Pk Area (A-s): 0.867 Background Pk Height (A): 0.473
Blank Corrected Pk Area (A-s): 0.152

As ID: S20.00 Seq. No.: 00127 A/S Pos.: 14 Date: 04/01/95

Replicate 1 Time: 00:52
Peak Area (A-s): 0.209 Peak Height (A): 0.317
Background Pk Area (A-s): 0.847 Background Pk Height (A): 0.476
Blank Corrected Pk Area (A-s): 0.209

As ID: S30.00 Seq. No.: 00128 A/S Pos.: 14 Date: 04/01/95

Replicate 1 Time: 00:55
Peak Area (A-s): 0.266 Peak Height (A): 0.421
Background Pk Area (A-s): 0.810 Background Pk Height (A): 0.466
Blank Corrected Pk Area (A-s): 0.266

As ID: 9503G001-017R Seq. No.: 00125 A/S Pos.: 14 Date: 04/01/95

CC = 0.9999 M = 0.0058 B = 0.0922 x' = -15.84 15.80

Concentration (ug/L): 15.78

Correlation coefficient: 0.99989 Slope: 0.0058 Int: 0.092

PFK 4/1/95

As ID: AS Position 15 PFK 4/1/95 Seq. No.: 00129 A/S Pos.: 15 Date: 04/01/95

9503G001-019 PFK 4/1/95

Replicate 1 Time: 00:58
Peak Area (A-s): 0.097 Peak Height (A): 0.101
Background Pk Area (A-s): 0.456 Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.097

As ID: S10.00 Seq. No.: 00130 A/S Pos.: 15 Date: 04/01/95

Replicate 1 Time: 01:01
Peak Area (A-s): 0.143 Peak Height (A): 0.202
Background Pk Area (A-s): 0.498 Background Pk Height (A): 0.229
Blank Corrected Pk Area (A-s): 0.143

As ID: S20.00 Seq. No.: 00131 A/S Pos.: 15 Date: 04/01/95

Replicate 1 Time: 01:04
Peak Area (A-s): 0.203 Peak Height (A): 0.269
Background Area (A-s): 0.469 Background Pk Height (A): 0.2
Blank Corrected Pk Area (A-s): 0.203

As ID: S30.00 Seq. No.: 00132 A/S Pos.: 15 Date: 04/01/95

Replicate 1 Time: 01:07
Peak Area (A-s): 0.274 Peak Height (A): 0.334
Background Pk Area (A-s): 0.464 Background Pk Height (A): 0.208
Blank Corrected Pk Area (A-s): 0.274

The standard additions calibration curve may not be linear.
As ID: AS Position 15 Seq. No.: 00129 A/S Pos.: 15 Date: 04/01/95

cc = 0.9955 B = 0.0906
M = 0.0059 x' = -15.33
Concentration (ug/L): ~~15.36~~ 15.30

Correlation coefficient: ~~0.99384~~ ~~Slope: 0.0059~~ ~~Int: 0.091~~
PFK 4/1/95

As ~~ID: AS Position 16~~ Seq. No.: 00133 A/S Pos.: 16 Date: 04/01/95
9507G001-020 PFK 4/1/95
Replicate 1 Time: 01:10
Peak Area (A-s): 0.094 Peak Height (A): 0.117
Background Pk Area (A-s): 0.795 Background Pk Height (A): 0.383
Blank Corrected Pk Area (A-s): 0.094

As ID: S10.00 Seq. No.: 00134 A/S Pos.: 16 Date: 04/01/95

Replicate 1 Time: 01:13
Peak Area (A-s): 0.148 Peak Height (A): 0.240
Background Pk Area (A-s): 0.897 Background Pk Height (A): 0.537
Blank Corrected Pk Area (A-s): 0.148

As ID: S20.00 Seq. No.: 00135 A/S Pos.: 16 Date: 04/01/95

Replicate 1 Time: 01:16
Peak Area (A-s): 0.209 Peak Height (A): 0.332
Background Pk Area (A-s): 0.882 Background Pk Height (A): 0.531
Blank Corrected Pk Area (A-s): 0.209

As ID: S30.00 Seq. No.: 00136 A/S Pos.: 16 Date: 04/01/95

Replicate 1 Time: 01:19
Peak Area (A-s): 0.272 Peak Height (A): 0.428
Background Pk Area (A-s): 0.905 Background Pk Height (A): 0.520
Blank Corrected Pk Area (A-s): 0.272

As ID: AS Position 16 Seq. No.: 00133 A/S Pos.: 16 Date: 04/01/95

cc = 0.9994 B = 0.0915
M = 0.0060 x' = -15.38
Concentration (ug/L): ~~15.23~~ 15.40

Correlation coefficient: ~~0.99935~~ ~~Slope: 0.0060~~ ~~Int: 0.091~~
PFK 4/1/95

As ID: ~~AS Position 17~~ Seq. No.: 00137 A/S Pos.: 17 Date: 04/01/95
PFK 4/1/95
9507G001-021
Replicate 1 Time: 01:22
Peak Area (A-s): 0.071 Peak Height (A): 0.087
Background Pk Area (A-s): 0.588 Background Pk Height (A): 0.2[illegible]
Blank Corrected Pk Area (A-s): 0.071

As ID: S10.00 Seq. No.: 00138 A/S Pos.: 17 Date: 04/01/95

Replicate 1 Time: 01:25
Peak Area (A-s): 0.126 Peak Height (A): 0.211
Background Pk Area (A-s): 0.610 Background Pk Height (A): 0.294
Blank Corrected Pk Area (A-s): 0.126

As ID: S20.00 Seq. No.: 00139 A/S Pos.: 17 Date: 04/01/95

Replicate 1 Time: 01:28
Peak Area (A-s): 0.189 Peak Height (A): 0.310
Background Pk Area (A-s): 0.580 Background Pk Height (A): 0.285
Blank Corrected Pk Area (A-s): 0.189

As ID: S30.00 Seq. No.: 00140 A/S Pos.: 17 Date: 04/01/95

Replicate 1 Time: 01:31
Peak Area (A-s): 0.245 Peak Height (A): 0.407
Background Pk Area (A-s): 0.582 Background Pk Height (A): 0.286
Blank Corrected Pk Area (A-s): 0.245

As ID: AS Position 17 Seq. No.: 00137 A/S Pos.: 17 Date: 04/01/95

CC = 0.9997 B = 0.070
M = 0.0058 X' = -11.96

Concentration (ug/L): ~~11.99~~ 12.00

Correlation coefficient: ~~0.99963 Slope: 0.0058 Int: 0.070~~

PFK 4/11/95

As ID: ACCV 15 Seq. No.: 00141 A/S Pos.: 2 Date: 04/01/95

X' = 37.82

Replicate 1 Time: 01:34
Peak Area (A-s): 0.274 Peak Height (A): 0.401
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.274

As ID: CCB 15 Seq. No.: 00142 A/S Pos.: 3 Date: 04/01/95

X' = -0.78

Replicate 1 Time: 01:37
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.010

As ID: ~~AS Position 18~~ 9503G001-022 PFK 4/11/95 Seq. No.: 00143 A/S Pos.: 18 Date: 04/01/95

Replicate 1 Time: 01:40
Peak Area (A-s): 0.097 Peak Height (A): 0.092
Background Pk Area (A-s): 0.286 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.097

As ID: S10.00 Seq. No.: 00144 A/S Pos.: 18 Date: 04/01/95

Replicate 1 Time: 01:43
Peak Area (A-s): 0.157 Peak Height (A): 0.184
Background Pk Area (A-s): 0.357 Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.157

As ID: S20.00 Seq. No.: 00145 A/S Pos.: 18 Date: 04/01/95

Peak Area (A-s): 0.214 Peak Height (A): 0.257
Background Pk Area (A-s): 0.366 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.214

As ID: S30.00 Seq. No.: 00146 A/S Pos.: 18 Date: 04/01/95

Replicate 1 Time: 01:49
Peak Area (A-s): 0.284 Peak Height (A): 0.321
Background Pk Area (A-s): 0.362 Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.284

As ID: AS Position 18 Seq. No.: 00143 A/S Pos.: 18 Date: 04/01/95

CC = 0,9990 B = 0,0953
M = 0,0062 X' = 15,42 15,40

Concentration (ug/L): 15.29

Correlation coefficient: 0.99900 Slope: 0.0062 Int: 0.095

PFK 4/11/95

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PFK 4/11/95

As ID: ~~AS Position 19~~ Seq. No.: 00147 A/S Pos.: 19 Date: 04/01/95

9503G943-004

Replicate 1 Time: 01:52 F 737/ccf
Peak Area (A-s): 0.198 Peak Height (A): 0.187
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.198

As ID: S10.00 Seq. No.: 00148 A/S Pos.: 19 Date: 04/01/95

Replicate 1 Time: 01:55
Peak Area (A-s): 0.262 Peak Height (A): 0.293
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.262

As ID: S20.00 Seq. No.: 00149 A/S Pos.: 19 Date: 04/01/95

Replicate 1 Time: 01:58
Peak Area (A-s): 0.315 Peak Height (A): 0.364
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.315

As ID: S30.00 Seq. No.: 00150 A/S Pos.: 19 Date: 04/01/95

Replicate 1 Time: 02:01
Peak Area (A-s): 0.381 Peak Height (A): 0.349
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.381

As ID: AS Position 19 Seq. No.: 00147 A/S Pos.: 19 Date: 04/01/95

CC = 0,9992 B = 0,1987
M = 0,0060 X' = -33,01 33,00

Concentration (ug/L): 33.24

Correlation coefficient: 0.99921 Slope: 0.0060 Int: 0.199

PFK 4/11/95

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PFK 4/11/95

As ID: ~~AS Position 20~~ Seq. No.: 00151 A/S Pos.: 20 Date: 04/01/95

9503G943-012

Replicate Time: 02:04
Peak Area (A-s): 0.107 Peak Height (A): 0.082
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.107

Concentration (ug/L): ~~38.50~~

CC = 0.9974 B = 0.2318
M = 0.0060 X' = -38.76 38.80

Correlation coefficient: ~~0.99728~~ ~~Slope: 0.0060~~ ~~Int: 0.231~~
PFK 4/1/95

As ID: 9503G~~004-001S~~ 5 4/1/95 Seq. No.: 00159 A/S Pos.: 22 Date: 04/01/95
943-017 PFK

Replicate 1 Time: 02:28
Peak Area (A-s): 0.236 Peak Height (A): 0.260
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.236

As ID: S10.00 Seq. No.: 00160 A/S Pos.: 22 Date: 04/01/95

Replicate 1 Time: 02:31
Peak Area (A-s): 0.288 Peak Height (A): 0.321
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.288

As ID: S20.00 Seq. No.: 00161 A/S Pos.: 22 Date: 04/01/95

Replicate 1 Time: 02:34
Peak Area (A-s): 0.354 Peak Height (A): 0.407
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.354

As ID: S30.00 Seq. No.: 00162 A/S Pos.: 22 Date: 04/01/95

Replicate 1 Time: 02:37
Peak Area (A-s): 0.413 Peak Height (A): 0.460
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.413

As ID: 9503G004-001S 5 Seq. No.: 00159 A/S Pos.: 22 Date: 04/01/95

CC = 0.9990 B = 0.2332
Concentration (ug/L): ~~39.09~~ M = 0.0060 X' = -39.06 39.10

Correlation coefficient: ~~0.99903~~ ~~Slope: 0.0060~~ ~~Int: 0.233~~
PFK 4/1/95

As ID: ACCV 10 X' = 37.97 Seq. No.: 00163 A/S Pos.: 2 Date: 04/01/95

Replicate 1 Time: 02:40
Peak Area (A-s): 0.275 Peak Height (A): 0.445
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.275

As ID: CCB 10 X' = -1.80 Seq. No.: 00164 A/S Pos.: 3 Date: 04/01/95

Replicate 1 Time: 02:43
Peak Area (A-s): 0.003 Peak Height (A): 0.016
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.003

(1)

WESTON Analytics AA3.1 Report

Data File:AS0405S1 Date collected: 95/04/05 Time:
Method File: Date of Report: Time:
Analyst: DBS/PFK Remarks:

	AS pob				
AICV	26.18	MASTO	1		10:51
ICB	0.14	MASTO	1		10:56
CRA	9.75	MASTO	1		11:01
ACCV 1	36.05	MASTO	1		11:06
CCB	-0.40	MASTO	1		11:11
95GF745-MB1	0.06	MASTO	1	95GF745	11:16
95GF745-LC1	47.21	MASTO	1		11:26
• 95036001-001R	1.47 W	MASTO	1		11:45
ACCV 2	38.12	MASTO	1		11:55
CCB	0.24	MASTO	1		12:05
95036001-002	-0.15	MASSO	1		12:20
95036001-002R	0.92	MASSO	1		12:30
95036001-002S	43.87	MASSO	1		12:40
ACCV 3	33.11	MASTO	1		12:50
CCB	0.24	MASTO	1		12:55
95036001-003	0.14	MASTO	1		13:00
95036001-004	0.37	MASSO	1		13:10
95036001-006	0.02	MASSO	1		13:29
ACCV 4	33.79	MASTO	1		13:39
CCB	-0.40	MASTO	1		13:44
95036001-007	3.01	MASTO	1		13:49
95036001-008	-0.49	MASSO	1		13:59
95036001-009	7.11	MASTO	1		14:09
95036001-010	-0.06	MASSO	1		14:19
ACCV 5	32.99	MASTO	1		14:29
CCB	-0.03	MASTO	1		14:34
95036001-011	4.04 W	MASTO	1		14:39
95036001-012	2.45 W	MASSO	1		14:49
95036001-013	28.46	MASTO	1		14:59
95036001-014	5.10	MASSO	1		15:09
ACCV 6	33.91	MASTO	1		15:18
CCB	0.03	MASTO	1		15:24
95036001-015	0.89	MASTO	1		15:29
95036001-016	0.40	MASSO	1		15:47
95GF743-MB1	0.01	MASTO	1	95GF743	15:57
95GF743-LC1	44.15	MASTO	1		16:07
ACCV 7	32.68	MASTO	1		16:17
CCB	0.14	MASTO	1		16:22
95GF743-LC2	40.94	MASTO	1		16:27
95036055-003	1.36	MASTO	1		16:37
95036055-003R	1.75	MASTO	1		16:47
95036055-003S	43.87	MASTO	1		16:57
ACCV	33.92	MASTO	1		17:07
CCB	-0.22	MASTO	1		17:12
95036055-007	8.56	MASTO	1		17:32
95036055-009	6.88	MASTO	1		17:42
95036055-011	8.32	MASTO	1		17:52
ACCV	35.19	MASTO	1		18:02
CCB	0.61	MASTO	1		18:07

updated 4/6/95

Dan [illegible] 4/6/95

Debbie Kelly 4/6/95

IDL = 1.6 ug/L *

run 3

503

* AA3 1.6
AA4 1.9

report higher of the 2

Filename: A50405R1 A50404R2

Element: AS Lamp: EDL Current: 305 Energy: 48 4/5/95

Prep Batch / Matrix: E745/743 QC: (a) Standard (b) CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	950F745 - MB1				F745/CLP H2O
7	-LC1				
8	9503G001-001		✓		
9	-001R				
10	-001S		✓		
11	-002 SOL				
12	-002R				
13	-002S				
14	-003				
15	-004 SOL				
16	-005		✓	✓	
17	-006 SOL				
18	-007				
19	-008 SOL				
20	-009				
21	-010 SOL				
22	-011				
23	-012 SOL				
24	-013				
25	-014 SOL				
26	-015				
27	-016 SOL				
28	956F743 - MB1				F743/STD H2O
29	-LC1				
30	-LC2				
31	9503G055 -003				
32	-003R				
33	-003S				
34	-005	see next page			
35	-007				
36	-009	DAS 4/5/95			
37	-011				
38	-013				
39	ICV 25.000 ppb				
40	Blank H2O				

Analyst: Paul F. Kolanczyk Date: 4/5/95

Reviewer: Debbie Kelly Date: 4/6/95

continued on p. 54

Element File: AS_CLP.GEL
Element: As Analyst: BPH/PFK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
 Standards 1276-72-5
 ICV,CCV'S 1276-73-7
 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
 EDL SERIAL #783,IDL=1.6
 ANALYST--BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100 Technique: HGA
Wavelength: 193.7 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 8.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 2 if <= 70.0 ug/L, 2 if > 70.0 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.00		40	20	8	5	
Standard 1	S10.00	10.00	4	20	8	5	
Standard 2	S20.00	20.00	5	8	20	5	
Standard 3	S30.00	30.00	5	12	16	5	
Standard 4	S50.00	50.00	1	10	18	5	
Standard 5	S70.00	70.00	1	14	14	5	
Samples				20	8	5	

 Diluent Location: 40
 Modifier #1 Location: 0 Modifier #2 Location:
 Calibration Units: ug/L Sample Units: ug/L
 Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	90	4	3	300		Norm
2	140	15	14	300		Norm
3	1100	25	8	300		Norm
4	20	1	10	300		Norm
5	2100	0	8	0	*	Norm
6	2700	1	5	300		Norm

Injection Temp: 20 Pipette Speed: 100%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10.0 then Retry 1 times
Check %RSD on: Standards + QC Samples

Recovery Measurements:
8 uL of 50.0 ug/L Standard at Location 5 Gives 20.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	22.5	27.5	X			
2	3	ICB	-3.0	2.0	X			
3	4	CRA	5.0	15.0	X			X
4	2	ACCV	31.5	38.5	X	X	X	
5	3	CCB	-4.0	2.0	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 04/05/95 Time: 10:16 Slit: 0.70 L
Data File: AS0405R1.DAT ID/Wt File: SE040401.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 48
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-73-7
Remark 3: 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
Remark 4: EDL SERIAL #783,IDL=1.6
Remark 5: ANALYST--BRYAN HOST/PAUL KOLARCZYK

Paul P. Kolarczyk

As ID: S0.00 Seq. No.: 00001 A/S Pos.: 40 Date: 04/05/95

Replicate 1 Time: 10:18
Peak Area (A-s): -0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -0.79

Replicate 2 Time: 10:21
Peak Area (A-s): 0.003 Peak Height (A): 0.017
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.23

Mean Conc (ug/L): -0.28 SD: 0.720 RSD(%): 259.65

Auto-zero performed.

As ID: S10.00 Seq. No.: 00002 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 10:23
Peak Area (A-s): 0.065 Peak Height (A): 0.107
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 12.36

Replicate 2 Time: 10:26
Peak Area (A-s): 0.062 Peak Height (A): 0.115
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.062
Concentration (ug/L): 11.79

Mean Conc (ug/L): 12.07 SD: 0.404 RSD(%): 3.35

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0063 Int: -0.000

As ID: S20.00 Seq. No.: 00003 A/S Pos.: 5 Date: 04/05/95

Replicate 1 Time: 10:28
Peak Area (A-s): 0.128 Peak Height (A): 0.231
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.128
Concentrat (ug/L): 20.13

Replicate 2 Time: 10:31
Peak Area (A-s): 0.124 Peak Height (A): 0.226
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.123
Concentration (ug/L): 19.43

Mean Conc (ug/L): 19.78 SD: 0.493 RSD(%): 2.49

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99998 Slope: 0.0063 Int: 0.000

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As ID: S30.00 Seq. No.: 00004 A/S Pos.: 5 Date: 04/05/95

Replicate 1 Time: 10:33
Peak Area (A-s): 0.196 Peak Height (A): 0.343
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.195
Concentration (ug/L): 31.11

Replicate 2 Time: 10:36
Peak Area (A-s): 0.186 Peak Height (A): 0.360
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.186
Concentration (ug/L): 29.61

Mean Conc (ug/L): 30.36 SD: 1.056 RSD(%): 3.48

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99995 Slope: 0.0063 Int: -0.000

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As ID: S50.00 Seq. No.: 00005 A/S Pos.: 1 Date: 04/05/95

Replicate 1 Time: 10:38
Peak Area (A-s): 0.319 Peak Height (A): 0.542
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.318
Concentration (ug/L): 50.23

Replicate 2 Time: 10:41
Peak Area (A-s): 0.315 Peak Height (A): 0.557
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.314
Concentration (ug/L): 49.58

Mean Conc (ug/L): 49.91 SD: 0.463 RSD(%): 0.93

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99998 Slope: 0.0063 Int: -0.000

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As ID: S70.00 Seq. No.: 00006 A/S Pos.: 1 Date: 04/05/95

Replicate 1 Time: 10:43
Peak Area (A-s): 0.462 Peak Height (A): 0.815
Background Area (A-s): 0.041 Background Pk Height (A): 0.
Blank Corr ed Pk Area (A-s): 0.462
Concentration (ug/L): 72.95
~~~~~~

Concentration (ug/L): 72.75

Replicate 2 Time: 10:46
Peak Area (A-s): 0.433 Peak Height (A): 0.756
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.433
Concentration (ug/L): 68.36

Mean Conc (ug/L): 70.66 SD: 3.248 RSD(%): 4.60

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99997 Slope: 0.0064 Int: -0.001

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As ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 04/05/95

Replicate 1 Time: 10:48
Peak Area (A-s): 0.168 Peak Height (A): 0.304
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.168
Concentration (ug/L): 26.46

Replicate 2 Time: 10:51
Peak Area (A-s): 0.165 Peak Height (A): 0.301
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 25.90

Mean Conc (ug/L): 26.18 SD: 0.399 RSD(%): 1.52 ✓

QC sample is within range 22.5 - 27.5

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As ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 10:53
Peak Area (A-s): 0.001 Peak Height (A): 0.016
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.31

Replicate 2 Time: 10:56
Peak Area (A-s): -0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.02

Mean Conc (ug/L): 0.14 SD: 0.232 RSD(%): 160.12

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 10:58
Peak Area (A-s): 0.070 Peak Height (A): 0.130
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 11.07

Replicate 2 Time: 11:01
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Peak Area (A-s): 0.053 Peak Height (A): 0.077
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 8.43

Mean Conc (ug/L): 9.75 SD: 1.872 RSD(%): 19.20

QC sample is within range 5.0 - 15.0

~~~~~~

As ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 11:03
Peak Area (A-s): 0.230 Peak Height (A): 0.412
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 36.08

Replicate 2 Time: 11:06
Peak Area (A-s): 0.229 Peak Height (A): 0.425
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 36.03

Mean Conc (ug/L): 36.05 SD: 0.033 RSD(%): 0.09

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 11:08
Peak Area (A-s): -0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.21

Replicate 2 Time: 11:11
Peak Area (A-s): -0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.60

Mean Conc (ug/L): -0.40 SD: 0.278 RSD(%): 69.19

QC sample is within range -4.0 - 2.0

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As ID: 95GF745-MB1 Seq. No.: 00012 A/S Pos.: 6 Date: 04/05/95

Replicate 1 Time: 11:13
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.37

Replicate Time: 11:16
Peak Area s): -0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.011
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Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.24

Mean Conc (ug/L): 0.06 SD: 0.430 RSD(%): 664.11

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As ID: 95GF745-MB1 Seq. No.: 00013 A/S Pos.: 6 Date: 04/05/95

Replicate 1 Time: 11:18
Peak Area (A-s): 0.121 Peak Height (A): 0.231
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 19.06

Replicate 2 Time: 11:21
Peak Area (A-s): 0.123 Peak Height (A): 0.238
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 19.32

Mean Conc (ug/L): 19.19 96.0% SD: 0.188 RSD(%): 0.98

Recovery is 95.6%

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As ID: 95GF745-LC1 Seq. No.: 00014 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 11:23
Peak Area (A-s): 0.302 Peak Height (A): 0.577
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.301
Concentration (ug/L): 47.37

Replicate 2 Time: 11:26
Peak Area (A-s): 0.300 Peak Height (A): 0.585
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.299
Concentration (ug/L): 47.05

Mean Conc (ug/L): 47.21 118.0% SD: 0.228 RSD(%): 0.48

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As ID: 95GF745-LC1 Seq. No.: 00015 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 11:28
Peak Area (A-s): 0.429 Peak Height (A): 0.768
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.429
Concentration (ug/L): 67.37

Replicate 2 Time: 11:31
Peak Area (A-s): 0.332 Peak Height (A): 0.409
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.331
Concentration (ug/L): 52.05

Mean Conc (ug/L): 59.71 SD: 10.836 RSD(%): 18.15

Recovery is 67.5%
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As ID: 9503G001-001 Seq. No.: 00016 A/S Pos.: 8 Date: 04/05/95

Replicate 1 Time: 11:33
Peak Area (A-s): 0.009 Peak Height (A): 0.018
Background Pk Area (A-s): 1.497 Background Pk Height (A): 0.343
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.47

Replicate 2 Time: 11:36
Peak Area (A-s): 0.008 Peak Height (A): 0.028
Background Pk Area (A-s): 1.804 Background Pk Height (A): 0.491
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.41

Mean Conc (ug/L): 1.44 Rerun DBS 4/5/95 SD: 0.040 RSD(%): 2.76

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As ID: 9503G001-001 Seq. No.: 00017 A/S Pos.: 8 Date: 04/05/95

Replicate 1 Time: 11:38
Peak Area (A-s): 0.120 Peak Height (A): 0.077
Background Pk Area (A-s): 1.418 Background Pk Height (A): 0.302
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 18.86

Replicate 2 Time: 11:40
Peak Area (A-s): 0.084 Peak Height (A): 0.115
Background Pk Area (A-s): 1.807 Background Pk Height (A): 0.448
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 13.21

Mean Conc (ug/L): 16.03 SD: 3.997 RSD(%): 24.93

Recovery is 73.0%

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As ID: 9503G001-001R Seq. No.: 00018 A/S Pos.: 9 Date: 04/05/95

Replicate 1 Time: 11:43
Peak Area (A-s): 0.009 Peak Height (A): 0.027
Background Pk Area (A-s): 1.733 Background Pk Height (A): 0.410
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.45

Replicate 2 Time: 11:45
Peak Area (A-s): 0.009 Peak Height (A): 0.037
Background Pk Area (A-s): 1.741 Background Pk Height (A): 0.407
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.48

Mean Conc (ug/L): 1.47 "U" SD: 0.018 RSD(%): 1.21

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As ID: 9503G001-001R Seq. No.: 00019 A/S Pos.: 9 Date: 04/05/95

Replicate Time: 11:48
Peak Area (A-s): 0.092 Peak Height (A): 0.080
Background Pk Area (A-s): 1.732 [illegible]

Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 14.44

Replicate 2 — Time: 11:50
Peak Area (A-s): 0.090 — Peak Height (A): 0.092
Background Pk Area (A-s): 1.664 — Background Pk Height (A): 0.510
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 14.23

Mean Conc (ug/L): 14.33 71.6 SD: 0.145 RSD(%): 1.01

Recovery is 64.3%

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As ID: ACCV Seq. No.: 00020 A/S Pos.: 2 Date: 04/05/95

Replicate 1 — Time: 11:53
Peak Area (A-s): 0.245 — Peak Height (A): 0.532
Background Pk Area (A-s): 0.086 — Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.244
Concentration (ug/L): 38.41

mm 4/5/95

Replicate 2 — Time: 11:55
Peak Area (A-s): 0.183 — Peak Height (A): 0.295
Background Pk Area (A-s): 0.179 — Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): 0.183
Concentration (ug/L): 28.75

Mean Conc (ug/L): 33.58 SD: 6.828 RSD(%): 20.33

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As ID: ACCV Seq. No.: 00021 A/S Pos.: 2 Date: 04/05/95

Replicate 1 — Time: 11:58
Peak Area (A-s): 0.243 — Peak Height (A): 0.558
Background Pk Area (A-s): 0.047 — Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.242
Concentration (ug/L): 38.10

Replicate 2 — Time: 12:00
Peak Area (A-s): 0.243 — Peak Height (A): 0.541
Background Pk Area (A-s): 0.038 — Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.242
Concentration (ug/L): 38.14

Mean Conc (ug/L): 38.12 SD: 0.028 RSD(%): 0.07

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00022 A/S Pos.: 3 Date: 04/05/95

Replicate 1 — Time: 12:03
Peak Area (A-s): -0.001 — Peak Height (A): 0.013
Background Pk Area (A-s): 0.023 — Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.07

Replicate 2 — Time: 12:05
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Peak Area (A-s): 0.003 Peak Height (A): 0.014
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.54

Mean Conc (ug/L): 0.24 SD: 0.435 RSD(%): 183.09

QC sample is within range -4.0 - 2.0

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As ID: 9503G001-001S Seq. No.: 00023 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 12:08
Peak Area (A-s): 0.015 Peak Height (A): 0.030
Background Pk Area (A-s): 1.572 Background Pk Height (A): 0.442
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.38

Replicate 2 Time: 12:10
Peak Area (A-s): 0.013 Peak Height (A): 0.024
Background Pk Area (A-s): 1.614 Background Pk Height (A): 0.433
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 2.14

Mean Conc (ug/L): 2.26 SD: 0.166 RSD(%): 7.36

Rerun for verify mhs 4/5/95

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As ID: 9503G001-001S Seq. No.: 00024 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 12:13
Peak Area (A-s): 0.132 Peak Height (A): 0.107
Background Pk Area (A-s): 1.282 Background Pk Height (A): 0.293
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 20.76

Replicate 2 Time: 12:15
Peak Area (A-s): 0.131 Peak Height (A): 0.108
Background Pk Area (A-s): 1.319 Background Pk Height (A): 0.306
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 20.55

Mean Conc (ug/L): 20.66 SD: 0.148 RSD(%): 0.72

Recovery is 92.0%

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As ID: 9503G001-002 Seq. No.: 00025 A/S Pos.: 11 Date: 04/05/95

Replicate 1 Time: 12:18
Peak Area (A-s): -0.001 Peak Height (A): 0.016
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.00

Replicate 2 Time: 12:20
Peak Area ([illegible]s): -0.002 Peak Height (A): 0.012
Backgroun[illegible] Area (A-s): 0.102 Background Pk Height (A): 0.[illegible]
Blank Corre[illegible]ted Pk Area (A-s): -0.003
Concentration (ug/L): -0.30
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Mean Conc (ug/L): -0.15 SD: 0.209 RSD(%): 136.81

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As ID: 9503G001-002 Seq. No.: 00026 A/S Pos.: 11 Date: 04/05/95

Replicate 1 Time: 12:23
Peak Area (A-s): 0.128 Peak Height (A): 0.240
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 20.14

Replicate 2 Time: 12:25
Peak Area (A-s): 0.131 Peak Height (A): 0.247
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 20.57

Mean Conc (ug/L): 20.35 SD: 0.309 RSD(%): 1.52

Recovery is 102.5% 101.8%

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As ID: 9503G001-002R Seq. No.: 00027 A/S Pos.: 12 Date: 04/05/95

Replicate 1 Time: 12:28
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.99

Replicate 2 Time: 12:30
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.86

Mean Conc (ug/L): 0.92 SD: 0.097 RSD(%): 10.51

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As ID: 9503G001-002R Seq. No.: 00028 A/S Pos.: 12 Date: 04/05/95

Replicate 1 Time: 12:33
Peak Area (A-s): 0.130 Peak Height (A): 0.242
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 20.43

Replicate 2 Time: 12:35
Peak Area (A-s): 0.138 Peak Height (A): 0.251
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 21.65

Mean Conc (ug/L): 21.04 SD: 0.867 RSD(%): 4.12

Recovery is 100.6% 105.2%
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As ID: 9503G001-002S Seq. No.: 00029 A/S Pos.: 13 Date: 04/05/95

Replicate 1 Time: 12:38
Peak Area (A-s): 0.277 Peak Height (A): 0.501
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.277
Concentration (ug/L): 43.55

Replicate 2 Time: 12:40
Peak Area (A-s): 0.281 Peak Height (A): 0.511
Background Pk Area (A-s): 0.083 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.281
Concentration (ug/L): 44.19

Mean Conc (ug/L): 43.87 SD: 0.448 RSD(%): 1.02

As ID: 9503G001-002S Seq. No.: 00030 A/S Pos.: 13 Date: 04/05/95

Replicate 1 Time: 12:42
Peak Area (A-s): 0.405 Peak Height (A): 0.731
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.405
Concentration (ug/L): 63.57

Replicate 2 Time: 12:45
Peak Area (A-s): 0.399 Peak Height (A): 0.739
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.398
Concentration (ug/L): 62.58

Mean Conc (ug/L): 63.08 SD: 0.702 RSD(%): 1.11

Recovery is 96.1%

As ID: ACCV 3 Seq. No.: 00031 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 12:47
Peak Area (A-s): 0.211 Peak Height (A): 0.390
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.210
Concentration (ug/L): 33.09

Replicate 2 Time: 12:50
Peak Area (A-s): 0.211 Peak Height (A): 0.391
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.211
Concentration (ug/L): 33.13

Mean Conc (ug/L): 33.11 SD: 0.034 RSD(%): 0.10

QC sample is within range 31.5 - 38.5

As ID: 3 Seq. No.: 00032 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 12:57

Replicate 1 Time: 12:5?

Peak Area (A-s): -0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.09

Replicate 2 Time: 12:55
Peak Area (A-s): 0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.57

Mean Conc (ug/L): 0.24 SD: 0.470 RSD(%): 195.07

QC sample is within range -4.0 - 2.0

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As ID: 9503G001-003 Seq. No.: 00033 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 12:58
Peak Area (A-s): 0.002 Peak Height (A): 0.025
Background Pk Area (A-s): 1.602 Background Pk Height (A): 0.388
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.40

Replicate 2 Time: 13:00
Peak Area (A-s): -0.001 Peak Height (A): 0.020
Background Pk Area (A-s): 1.668 Background Pk Height (A): 0.414
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.13

Mean Conc (ug/L): 0.14 SD: 0.376 RSD(%): 274.18

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As ID: 9503G001-003 Seq. No.: 00034 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 13:02
Peak Area (A-s): 0.113 Peak Height (A): 0.078
Background Pk Area (A-s): 1.630 Background Pk Height (A): 0.405
Blank Corrected Pk Area (A-s): 0.113
Concentration (ug/L): 17.82

Replicate 2 Time: 13:05
Peak Area (A-s): 0.111 Peak Height (A): 0.073
Background Pk Area (A-s): 1.618 Background Pk Height (A): 0.401
Blank Corrected Pk Area (A-s): 0.111
Concentration (ug/L): 17.49

Mean Conc (ug/L): 17.65 88.2% SD: 0.238 RSD(%): 1.35

Recovery is 87.6%

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As ID: 9503G001-004 Seq. No.: 00035 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 13:07
Peak Area (s): 0.002 Peak Height (A): 0.013
Backgroun Area (A-s): 0.189 Background Pk Height (A): 0.
Blank Corr ted Pk Area (A-s): 0.002
Concentration (ug/L): 0.38

517
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Replicate 2 Time: 13:10
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.36

Mean Conc (ug/L): 0.37 SD: 0.017 RSD(%): 4.48

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As ID: 9503G001-004 Seq. No.: 00036 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 13:12
Peak Area (A-s): 0.132 Peak Height (A): 0.247
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 20.85

Replicate 2 Time: 13:15
Peak Area (A-s): 0.127 Peak Height (A): 0.239
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.126
Concentration (ug/L): 19.93 102.0%

Mean Conc (ug/L): 20.39 SD: 0.651 RSD(%): 3.20

Recovery is 100.1%

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As ID: 9503G001-005 Seq. No.: 00037 A/S Pos.: 16 Date: 04/05/95

Replicate 1 Time: 13:17
Peak Area (A-s): 0.104 Peak Height (A): 0.113
Background Pk Area (A-s): 2.426 Background Pk Height (A): 0.649
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 16.38

Replicate 2 Time: 13:20
Peak Area (A-s): 0.106 Peak Height (A): 0.097
Background Pk Area (A-s): 2.050 Background Pk Height (A): 0.748
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 16.68

Mean Conc (ug/L): 16.53 SD: 0.215 RSD(%): 1.30

Rerun MSA DBS 4/5/95

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As ID: 9503G001-005 Seq. No.: 00038 A/S Pos.: 16 Date: 04/05/95

Replicate 1 Time: 13:22
Peak Area (A-s): 0.197 Peak Height (A): 0.258
Background Pk Area (A-s): 2.668 Background Pk Height (A): 0.750
Blank Corrected Pk Area (A-s): 0.196
Concentration (ug/L): 30.91

Replicate 2 Time: 13:25
Peak Area (A-s): 0.195 Peak Height (A): 0.256
Background [illegible] Area (A-s): 2.673 Background Pk Height (A): 0.[illegible]
Blank Corr[illegible]ed Pk Area (A-s): 0.194
Concentration (ug/L): 30.59
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Mean Conc (ug/L): 30.75 SD: 0.226 RSD(%): 0.73

Recovery is 71.1%

As ID: 9503G001-006 Seq. No.: 00039 A/S Pos.: 17 Date: 04/05/95

Replicate 1 Time: 13:27
Peak Area (A-s): 0.000 Peak Height (A): 0.015
Background Pk Area (A-s): 0.155 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.13

Replicate 2 Time: 13:29
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.107 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.08

Mean Conc (ug/L): 0.02 SD: 0.145 RSD(%): 614.26

As ID: 9503G001-006 Seq. No.: 00040 A/S Pos.: 17 Date: 04/05/95

Replicate 1 Time: 13:32
Peak Area (A-s): 0.125 Peak Height (A): 0.231
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 19.60

Replicate 2 Time: 13:34
Peak Area (A-s): 0.126 Peak Height (A): 0.228
Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 19.79

Mean Conc (ug/L): 19.70 SD: 0.129 RSD(%): 0.66

Recovery is 98.4%

As ID: ACCV Seq. No.: 00041 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 13:37
Peak Area (A-s): 0.217 Peak Height (A): 0.388
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.217
Concentration (ug/L): 34.09

Replicate 2 Time: 13:39
Peak Area (A-s): 0.213 Peak Height (A): 0.421
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.213
Concentration (ug/L): 33.49

Mean Conc (ug/L): 33.79 SD: 0.424 RSD(%): 1.26

QC samples within range 31.5 - 38.5

As ID: CCB 4 Seq. No.: 00042 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 13:42
Peak Area (A-s): 0.000 Peak Height (A): 0.013
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.11

Replicate 2 Time: 13:44
Peak Area (A-s): -0.006 Peak Height (A): 0.011
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -0.91

Mean Conc (ug/L): -0.40 SD: 0.719 RSD(%): 179.65

QC sample is within range -4.0 - 2.0

As ID: 9503G001-007 Seq. No.: 00043 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 13:47
Peak Area (A-s): 0.018 Peak Height (A): 0.031
Background Pk Area (A-s): 1.863 Background Pk Height (A): 0.535
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 2.97

Replicate 2 Time: 13:49
Peak Area (A-s): 0.019 Peak Height (A): 0.034
Background Pk Area (A-s): 1.890 Background Pk Height (A): 0.553
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 3.05

Mean Conc (ug/L): 3.01 SD: 0.057 RSD(%): 1.91

As ID: 9503G001-007 Seq. No.: 00044 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 13:52
Peak Area (A-s): 0.130 Peak Height (A): 0.119
Background Pk Area (A-s): 2.071 Background Pk Height (A): 0.603
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 20.39

Replicate 2 Time: 13:54
Peak Area (A-s): 0.132 Peak Height (A): 0.130
Background Pk Area (A-s): 2.131 Background Pk Height (A): 0.712
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 20.83

Mean Conc (ug/L): 20.61 SD: 0.306 RSD(%): 1.48

Recovery is 88.0% ✓

As ID: 3G001-008 Seq. No.: 00045 A/S Pos.: 19 Date: 04/05/95

Replicate 1

Replicate 1

Peak Area (A-s): -0.011 Peak Height (A): 0.011
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.011
Concentration (ug/L): -1.62

Replicate 2 Time: 13:59
Peak Area (A-s): 0.003 Peak Height (A): 0.015
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.63

Mean Conc (ug/L): -0.49 SD: 1.590 RSD(%): 321.86

~~~~~~

As ID: 9503G001-008 Seq. No.: 00046 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 14:02
Peak Area (A-s): 0.134 Peak Height (A): 0.235
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 21.16

Replicate 2 Time: 14:04
Peak Area (A-s): 0.126 Peak Height (A): 0.238
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.126
Concentration (ug/L): 19.88

Mean Conc (ug/L): 20.52 102.6% SD: 0.901 RSD(%): 4.39

Recovery is 105.1%

~~~~~~

As ID: 9503G001-009 Seq. No.: 00047 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 14:06
Peak Area (A-s): 0.041 Peak Height (A): 0.053
Background Pk Area (A-s): 1.867 Background Pk Height (A): 0.571
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 6.59

Replicate 2 Time: 14:09
Peak Area (A-s): 0.048 Peak Height (A): 0.054
Background Pk Area (A-s): 1.905 Background Pk Height (A): 0.535
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 7.64

Mean Conc (ug/L): 7.11 SD: 0.745 RSD(%): 10.48

~~~~~~

As ID: 9503G001-009 Seq. No.: 00048 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 14:11
Peak Area (A-s): 0.165 Peak Height (A): 0.150
Background Pk Area (A-s): 1.817 Background Pk Height (A): 0.562
Blank Corr[illegible]ed Pk Area (A-s): 0.164
Concentra[illegible] (ug/L): 25.89

Replicate 2 Time: 14:14
~~~~~~

522

Peak Area (A-s): 0.166 Peak Height (A): 0.158
Background Pk Area (A-s): 1.828 Background Pk Height (A): 0.566
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 26.08

Mean Conc (ug/L): 25.98 SD: 0.135 RSD(%): 0.52

Recovery is 94.3% ✓

~~~~~~

As ID: 9503G001-010 Seq. No.: 00049 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 14:16
Peak Area (A-s): 0.001 Peak Height (A): 0.016
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.17

Replicate 2 Time: 14:19
Peak Area (A-s): -0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.28

Mean Conc (ug/L): -0.06 SD: 0.316 RSD(%): 551.53

~~~~~~

As ID: 9503G001-010 Seq. No.: 00050 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 14:21
Peak Area (A-s): 0.122 Peak Height (A): 0.228
Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 19.25

Replicate 2 Time: 14:24
Peak Area (A-s): 0.129 Peak Height (A): 0.240
Background Pk Area (A-s): 0.112 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 20.31

Mean Conc (ug/L): 19.78 98.9% SD: 0.751 RSD(%): 3.80

Recovery is 99.2%

~~~~~~

As ID: ACCV Seq. No.: 00051 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 14:26
Peak Area (A-s): 0.208 Peak Height (A): 0.373
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.207
Concentration (ug/L): 32.62

Replicate 2 Time: 14:29
Peak Area (A-s): 0.212 Peak Height (A): 0.368
Backgrounc Area (A-s): 0.041 Background Pk Height (A): 0.
Blank Corr .ed Pk Area (A-s): 0.212
Concentration (ug/L): 33.37
~~~~~~

Concentration (ug/L): [illegible]

Mean Conc (ug/L): 32.99 SD: 0.524 RSD(%): 1.59

QC sample is within range 31.5 - 38.5

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As ID: CCB Seq. No.: 00052 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 14:31
Peak Area (A-s): -0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.57

Replicate 2 Time: 14:34
Peak Area (A-s): 0.003 Peak Height (A): 0.012
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.52

Mean Conc (ug/L): -0.03 SD: 0.770 RSD(%): 2720.24

QC sample is within range -4.0 - 2.0

~~~~~~

As ID: 9503G001-011 Seq. No.: 00053 A/S Pos.: 22 Date: 04/05/95

Replicate 1 Time: 14:36
Peak Area (A-s): 0.030 Peak Height (A): 0.038
Background Pk Area (A-s): 1.204 Background Pk Height (A): 0.285
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 4.73

Replicate 2 Time: 14:39
Peak Area (A-s): 0.021 Peak Height (A): 0.043
Background Pk Area (A-s): 1.884 Background Pk Height (A): 0.448
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 3.36

Mean Conc (ug/L): 4.04 SD: 0.974 RSD(%): 24.08

~~~~~~

As ID: 9503G001-011 Seq. No.: 00054 A/S Pos.: 22 Date: 04/05/95

Replicate 1 Time: 14:41
Peak Area (A-s): 0.095 Peak Height (A): 0.113
Background Pk Area (A-s): 2.037 Background Pk Height (A): 0.575
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 14.93

Replicate 2 Time: 14:44
Peak Area (A-s): 0.099 Peak Height (A): 0.106
Background Pk Area (A-s): 2.159 Background Pk Height (A): 0.561
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 15.60

Mean Conc [illegible]g/L): 15.26 SD: 0.472 RSD([illegible]3.09

Recovery 1[illegible]56.1%
~~~~~~

~~~~~~

As ID: 9503G001-012 Seq. No.: 00055 A/S Pos.: 23 Date: 04/05/95

Replicate 1 Time: 14:46
Peak Area (A-s): 0.018 Peak Height (A): 0.044
Background Pk Area (A-s): 0.312 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 2.84

Replicate 2 Time: 14:49
Peak Area (A-s): 0.013 Peak Height (A): 0.029
Background Pk Area (A-s): 0.436 Background Pk Height (A): 0.349
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.06

Mean Conc (ug/L): 2.45 SD: 0.554 RSD(%): 22.62

~~~~~~

As ID: 9503G001-012 Seq. No.: 00056 A/S Pos.: 23 Date: 04/05/95

Replicate 1 Time: 14:51
Peak Area (A-s): 0.100 Peak Height (A): 0.142
Background Pk Area (A-s): 0.433 Background Pk Height (A): 0.340
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 15.73

Replicate 2 Time: 14:54
Peak Area (A-s): 0.096 Peak Height (A): 0.141
Background Pk Area (A-s): 0.421 Background Pk Height (A): 0.318
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 15.10

Mean Conc (ug/L): 15.41 SD: 0.447 RSD(%): 2.90

Recovery is 64.8%

~~~~~~

As ID: 9503G001-013 Seq. No.: 00057 A/S Pos.: 24 Date: 04/05/95

Replicate 1 Time: 14:56
Peak Area (A-s): 0.177 Peak Height (A): 0.167
Background Pk Area (A-s): 1.911 Background Pk Height (A): 0.426
Blank Corrected Pk Area (A-s): 0.177
Concentration (ug/L): 27.80

Replicate 2 Time: 14:59
Peak Area (A-s): 0.185 Peak Height (A): 0.162
Background Pk Area (A-s): 1.904 Background Pk Height (A): 0.400
Blank Corrected Pk Area (A-s): 0.185
Concentration (ug/L): 29.11

Mean Conc (ug/L): 28.46 SD: 0.924 RSD(%): 3.25

~~~~~~

As ID: 9503G001-013 Seq. No.: 00058 A/S Pos.: 24 Date: 04/05/95

Replicate Time: 15:01
Peak Area (s): 0.295 Peak Height (A): 0.237
Background Pk Area (A-s): 1.770 Background Pk Height (A): 0.378

Blank Corrected Pk Area (A-s): 0.295
Concentration (ug/L): 46.33

Replicate 2 Time: 15:03
Peak Area (A-s): 0.290 Peak Height (A): 0.247
Background Pk Area (A-s): 1.807 Background Pk Height (A): 0.420
Blank Corrected Pk Area (A-s): 0.290
Concentration (ug/L): 45.51

Mean Conc (ug/L): 45.92 SD: 0.583 RSD(%): 1.27

Recovery is 87.3% ✓

~~~~~~

As ID: 9503G001-014 Seq. No.: 00059 A/S Pos.: 25 Date: 04/05/95

Replicate 1 Time: 15:06
Peak Area (A-s): 0.039 Peak Height (A): 0.057
Background Pk Area (A-s): 0.288 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 6.16

Replicate 2 Time: 15:09
Peak Area (A-s): 0.025 Peak Height (A): 0.053
Background Pk Area (A-s): 0.216 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 4.04

Mean Conc (ug/L): 5.10 SD: 1.495 RSD(%): 29.32

~~~~~~

As ID: 9503G001-014 Seq. No.: 00060 A/S Pos.: 25 Date: 04/05/95

Replicate 1 Time: 15:11
Peak Area (A-s): 0.165 Peak Height (A): 0.280
Background Pk Area (A-s): 0.197 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 25.93

Replicate 2 Time: 15:13
Peak Area (A-s): 0.160 Peak Height (A): 0.280
Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 25.15

Mean Conc (ug/L): 25.54 SD: 0.549 RSD(%): 2.15

Recovery is 102.2% ✓

~~~~~~

As ID: ACCV ✓ Seq. No.: 00061 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 15:16
Peak Area (A-s): 0.211 Peak Height (A): 0.400
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.211
Concentration (ug/L): 33.14

Replicate 2 Time: 15:18
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Replicat[illegible] 2 Time: 15:18

526

Peak Area (A-s): 0.221 Peak Height (A): 0.437
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.220
Concentration (ug/L): 34.68

Mean Conc (ug/L): 33.91 SD: 1.087 RSD(%): 3.21

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00062 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 15:21
Peak Area (A-s): 0.001 Peak Height (A): 0.014
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.20

Replicate 2 Time: 15:24
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.14

Mean Conc (ug/L): 0.03 SD: 0.243 RSD(%): 844.52

QC sample is within range -4.0 - 2.0

~~~~~~

As ID: 9503G001-015 Seq. No.: 00063 A/S Pos.: 26 Date: 04/05/95

Replicate 1 Time: 15:26
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.09

INSTRUMENT STOPPED — DMS 4/5/95

Replicate 2 Time: 15:29
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.35

Mean Conc (ug/L): 0.13 SD: 0.309 RSD(%): 232.62

~~~~~~

As ID: 9503G001-015 Seq. No.: 00064 A/S Pos.: 26 Date: 04/05/95

Replicate 1 Time: 15:34
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.67

Replicate 2 Time: 15:37
Peak Area [illegible]s): 0.007 Peak Height (A): 0.012
Backgroun[illegible] Area (A-s): 0.009 Background Pk Height (A): 0.[illegible]
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.12
~~~~~~

Mean Conc (ug/L): 0.89 SD: 0.319 RSD(%): 35.76

~~~~~~

As ID: 9503G001-015 Seq. No.: 00065 A/S Pos.: 26 Date: 04/05/95

Replicate 1 Time: 15:39
Peak Area (A-s): 0.133 Peak Height (A): 0.268
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 20.99

Replicate 2 Time: 15:42
Peak Area (A-s): 0.138 Peak Height (A): 0.267
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 21.68

Mean Conc (ug/L): 21.33 SD: 0.489 RSD(%): 2.29

Recovery is 102.2% 106.6%

~~~~~~

As ID: 9503G001-016 Seq. No.: 00066 A/S Pos.: 27 Date: 04/05/95

Replicate 1 Time: 15:44
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.40

Replicate 2 Time: 15:47
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.40

Mean Conc (ug/L): 0.40 SD: 0.004 RSD(%): 1.02

~~~~~~

As ID: 9503G001-016 Seq. No.: 00067 A/S Pos.: 27 Date: 04/05/95

Replicate 1 Time: 15:49
Peak Area (A-s): 0.120 Peak Height (A): 0.220
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 18.86

Replicate 2 Time: 15:52
Peak Area (A-s): 0.125 Peak Height (A): 0.215
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 19.64

Mean Conc (ug/L): 19.25 SD: 0.557 RSD(%): 2.89

Recovery is 94.3% 96.2%
~~~~~~

Blank Corrected Pk Area (A-s): 0.398
Concentration (ug/L): 62.47

Replicate 2	Time: 16:12
Peak Area (A-s): 0.391	Peak Height (A): 0.708
Background Pk Area (A-s): 0.036	Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.391	
Concentration (ug/L): 61.35	

Mean Conc (ug/L): 61.91 SD: 0.795 RSD(%): 1.28

Recovery is 88.8% ✓

~~~~~~

As ID: ACCV Seq. No.: 00072 A/S Pos.: 2 Date: 04/05/95

Replicate 1	Time: 16:14
Peak Area (A-s): 0.213	Peak Height (A): 0.370
Background Pk Area (A-s): 0.023	Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.213	
Concentration (ug/L): 33.48	
Replicate 2	Time: 16:17
Peak Area (A-s): 0.203	Peak Height (A): 0.364
Background Pk Area (A-s): 0.022	Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.203	
Concentration (ug/L): 31.89	

Mean Conc (ug/L): 32.68 SD: 1.121 RSD(%): 3.43 ✓

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00073 A/S Pos.: 3 Date: 04/05/95

Replicate 1	Time: 16:19
Peak Area (A-s): 0.003	Peak Height (A): 0.013
Background Pk Area (A-s): 0.020	Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.003	
Concentration (ug/L): 0.63	
Replicate 2	Time: 16:22
Peak Area (A-s): -0.003	Peak Height (A): 0.014
Background Pk Area (A-s): 0.012	Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.003	
Concentration (ug/L): -0.34	

Mean Conc (ug/L): 0.14 SD: 0.688 RSD(%): 485.15

QC sample is within range -4.0 - 2.0

~~~~~~

As ID: 95GF743-LC2 Seq. No.: 00074 A/S Pos.: 30 Date: 04/05/95

Replicate 1	Time: 16:24
Peak Area (A-s): 0.261	Peak Height (A): 0.447
Background Pk Area (A-s): 0.031	Background Pk Height (A): 0.
Blank Corrected Pk Area (A-s): 0.261	
Concentration (ug/L): 40.98	
~~~~~~

WESTON Analytics AA3.2 Report

Data File:AS040595 Date collected: 95/04/05 Time:
Method File: Date of Report: Time:
Analyst: DBS/FFK Remarks:

	AS ppb				
AICV	26.01	MASTD	1		21:04
ICB	0.83	MASTD	1		21:09
CRA	10.64	MASTD	1		21:14
ACCV 1	35.81	MASTD	1		21:19
CCB	0.38	MASTD	1		21:24
95036055-013	3.33	MASTD	1	956F743	21:29
95036055-015	2.77	MASTD	1		21:39
95036055-017	0.89	MASTD	1		21:49
95036055-018	1.17	MASTD	1		21:59
ACCV 2	34.64	MASTD	1		22:09
CCB	0.18	MASTD	1		22:14
95036055-019	0.95	MASTD	1		22:19
95036055-020	1.61	MASTD	1		22:29
95036055-022	12.12	MASTD	1		22:39
95036055-024	-0.86	MASTD	1		22:49
ACCV	34.60	MASTD	1		22:59
CCB 3	-0.24	MASTD	1		23:04
• 95036001-001	0.60	MASTD	1	956F745	23:09
95036001-001S	1.27	MASTD	1		23:19
95036055-005	5.87	MASTD	10	956F747	23:29
SOL. MB1	-0.45	MASSD	1	NONE	23:39
ACCV 4	37.69	MASSD	1		23:49
CCB	0.05	MASSD	1		23:54
SOL. LC1	40.43	MASSD	1		23:59
SOL.LC2	41.68	MASSD	1		00:09
ACCV	33.26	MASSD	1		00:38
CCB	1.01	MASSD	1		00:43
95046097-004	1.65	MASSD	1		00:49
95046097-008	5.59	MASSD	1		01:09
95046097-010	0.84	MASSD	1		01:19
ACCV	37.46	MASSD	1		01:29
CCB	0.98	MASSD	1		01:34
95046097-014	2.55	MASSD	1		01:49
95046097-016	1.17	MASSD	1		01:59
95046097-019	0.10	MASSD	1		02:08
ACCV	33.91	MASSD	1		02:19
CCB	0.21	MASSD	1		02:24
95046097-021	5.26	MASSD	1		02:29
ACCV	32.16	MASSD	1		02:39
CCB	0.27	MASSD	1		02:44

updated 4/6/95

Dan 4/6/95

Debbie Kelly 4/6/95

IDL = 1.6 ug/L *

run 4

* AA3 1.6
AA4 1.9
report higher of the 2

WESTON Environmental Metrics, Inc.
AA3 - PE5100 GFAA Sample Analysis Log

OP No. 21-21G-1584
Rev. 01; Eff. Date 08/06/95

Filename: AS0405R1 ~~AS0404R2~~ AETC 4/5/95

Element: AS Lamp: EDL Current: 305 Energy: 48

Prep Batch / Matrix: E745/743 QC: (a) Standard (b) CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	95GF745-MB1				F745/CLP H_2O
7	-LC1				
8	9503G001-001		✓		
9	-001R				
10	-001S		✓		
11	-002 SOL				
12	-002R				
13	-002S				
14	-003				
15	-004 SOL				
16	-005		✓	✓	
17	-006 SOL				
18	-007				
19	-008 SOL				
20	-009				
21	-010 SOL				
22	-011				
23	-012 SOL				
24	-013				
25	-014 SOL				
26	-015				
27	-016 SOL				
28	95GF743-MB1				F743/STD H_2O
29	-LC1				
30	-LC2				
31	9503G055-003				
32	-003R				
33	-003S				
34	-005	see next page			
35	-007				
36	-009	DBS			
37	-011	4/5/95			
38	-013				
39	ICV 25.00 ppb				
40	Blank H_2O				

Analyst: Paul F. Kolesnyk [signature] Date: 4/5/95

Reviewer: Debbie Kelly Date: 4/6/95

continued on p. 54

Page: 53

Element File: AS_CLP.GEL
Element: As Analyst: BPH/PFK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
 Standards 1276-72-5
 ICV,CCV'S 1276-73-7
 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
 EDL SERIAL #783,IDL=1.6
 ANALYST--BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100 Technique: HGA
Wavelength: 193.7 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 8.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 2 if <= 70.0 ug/L, 2 if > 70.0 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.00		40	20	8	5	
Standard 1	S10.00	10.00	4	20	8	5	
Standard 2	S20.00	20.00	5	8	20	5	
Standard 3	S30.00	30.00	5	12	16	5	
Standard 4	S50.00	50.00	1	10	18	5	
Standard 5	S70.00	70.00	1	14	14	5	
Samples				20	8	5	

 Diluent Location: 40
 Modifier #1 Location: 0 Modifier #2 Location:
 Calibration Units: ug/L Sample Units: ug/L
 Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	90	4	3	300		Norm
2	140	15	14	300		Norm
3	1100	25	8	300		Norm
4	20	1	10	300		Norm
5	2100	0	8	0	*	Norm
6	2700	1	5	300		Norm

Injection Temp: 20 Pipette Speed: 100%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10.0 then Retry 1 times
Check %RSD on: Standards + QC Samples

Recovery Measurements:
8 uL of 50.0 ug/L Standard at Location 5 Gives 20.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Conc. Limits Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	22.5	27.5	X			
2	3	ICB	-3.0	2.0	X			
3	4	CRA	5.0	15.0	X			X
4	2	ACCV	31.5	38.5	X	X	X	
5	3	CCB	-4.0	2.0	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 04/05/95 Time: 20:30 Slit: 0.70 L
Data File: AS0405R2.DAT ID/Wt File: SE040401.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 47
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-73-7
Remark 3: 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
Remark 4: EDL SERIAL #783,IDL=1.6
Remark 5: ANALYST--BRYAN HOST/PAUL KOLARCZYK

Paul Kolarczyk Bryan Host

As ID: S0.00 Seq. No.: 00001 A/S Pos.: 40 Date: 04/05/95

Replicate 1 Time: 20:32
Peak Area (A-s): -0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 1.13

Replicate 2 Time: 20:34
Peak Area (A-s): -0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 1.25

Mean Conc (ug/L): 1.19 SD: 0.086 RSD(%): 7.28

Auto-zero performed.

As ID: S10.00 Seq. No.: 00002 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 20:37
Peak Area (A-s): 0.058 Peak Height (A): 0.127
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 10.20

Replicate 2 Time: 20:39
Peak Area (A-s): 0.064 Peak Height (A): 0.127
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 11.00

Mean Conc (ug/L): 10.60 SD: 0.566 RSD(%): 5.34

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0064 Int: 0.000

As ID: S20.00 Seq. No.: 00003 A/S Pos.: 5 Date: 04/05/95

Replicate 1 Time: 20:42
Peak Area (A-s): 0.131 Peak Height (A): 0.267
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.134
Concentrat[illegible] (ug/L): 20.88

Replicate 2 — Time: 20:44
Peak Area (A-s): 0.124 — Peak Height (A): 0.286
Background Pk Area (A-s): 0.030 — Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 19.81

Mean Conc (ug/L): 20.34 — SD: 0.759 — RSD(%): 3.73

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99995 — Slope: 0.0065 — Int: -0.000

~~~~~~

As ID: S30.00 — Seq. No.: 00004 — A/S Pos.: 5 — Date: 04/05/95

Replicate 1 — Time: 20:47
Peak Area (A-s): 0.198 — Peak Height (A): 0.423
Background Pk Area (A-s): 0.021 — Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.201
Concentration (ug/L): 30.81

Replicate 2 — Time: 20:49
Peak Area (A-s): 0.184 — Peak Height (A): 0.408
Background Pk Area (A-s): 0.029 — Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.187
Concentration (ug/L): 28.72

Mean Conc (ug/L): 29.77 — SD: 1.474 — RSD(%): 4.95

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99996 — Slope: 0.0065 — Int: -0.000

~~~~~~

As ID: S50.00 — Seq. No.: 00005 — A/S Pos.: 1 — Date: 04/05/95

Replicate 1 — Time: 20:52
Peak Area (A-s): 0.311 — Peak Height (A): 0.688
Background Pk Area (A-s): 0.041 — Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.314
Concentration (ug/L): 48.35

Replicate 2 — Time: 20:54
Peak Area (A-s): 0.314 — Peak Height (A): 0.668
Background Pk Area (A-s): 0.035 — Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.317
Concentration (ug/L): 48.83

Mean Conc (ug/L): 48.59 — SD: 0.339 — RSD(%): 0.70

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99980 — Slope: 0.0063 — Int: 0.002

~~~~~~

As ID: S70.00 — Seq. No.: 00006 — A/S Pos.: 1 — Date: 04/05/95

Replicate 1 — Time: 20:57
Peak Area (A-s): 0.431 — Peak Height (A): 0.875
Background Pk Area (A-s): 0.043 — Background Pk Height (A): 0.[illegible]
Blank Corr[illegible]ed Pk Area (A-s): 0.434
Concentrat[illegible]n (ug/L): 68.41
~~~~~~

Concentration (ug/L): 68.41

Replicate 2 Time: 20:59
Peak Area (A-s): 0.434 Peak Height (A): 0.882
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.437
Concentration (ug/L): 68.90

Mean Conc (ug/L): 68.65 SD: 0.348 RSD(%): 0.51

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99981 Slope: 0.0062 Int: 0.004

~~~~~~

As ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 04/05/95

Replicate 1 Time: 21:02
Peak Area (A-s): 0.161 Peak Height (A): 0.340
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 25.83

Replicate 2 Time: 21:04
Peak Area (A-s): 0.163 Peak Height (A): 0.361
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 26.20

Mean Conc (ug/L): 26.01 SD: 0.262 RSD(%): 1.01

QC sample is within range 22.5 - 27.5

~~~~~~

As ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 21:07
Peak Area (A-s): 0.007 Peak Height (A): 0.012
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 1.11

Replicate 2 Time: 21:09
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.54

Mean Conc (ug/L): 0.83 SD: 0.403 RSD(%): 48.76

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 21:12
Peak Area (A-s): 0.066 Peak Height (A): 0.144
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 10.52

Replicate 2 Time: 21:14
~~~~~~

Peak Area (A-s): 0.067 Peak Height (A): 0.142
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 10.77

Mean Conc (ug/L): 10.64 SD: 0.176 RSD(%): 1.66

QC sample is within range 5.0 - 15.0

~~~~~~

As ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 21:17
Peak Area (A-s): 0.221 Peak Height (A): 0.481
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.224
Concentration (ug/L): 35.41

Replicate 2 Time: 21:19
Peak Area (A-s): 0.225 Peak Height (A): 0.485
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 36.20

Mean Conc (ug/L): 35.81 SD: 0.556 RSD(%): 1.55

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 21:22
Peak Area (A-s): -0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.15

Replicate 2 Time: 21:24
Peak Area (A-s): 0.006 Peak Height (A): 0.018
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 0.91

Mean Conc (ug/L): 0.38 SD: 0.744 RSD(%): 195.91

QC sample is within range -4.0 - 2.0

~~~~~~

As ID: 9503G055-013 Seq. No.: 00012 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 21:27
Peak Area (A-s): 0.019 Peak Height (A): 0.032
Background Pk Area (A-s): 0.449 Background Pk Height (A): 0.122
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 3.04

Replicate Time: 21:29
Peak Area (A-s): 0.023 Peak Height (A): 0.035
Background Pk Area (A-s): 0.452 Background Pk Height (A): 0.122
~~~~~~

Background Pk Area (A-s): 0.072

Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 24.37

Replicate 2 Time: 22:04
Peak Area (A-s): 0.150 Peak Height (A): 0.179
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 24.13

Mean Conc (ug/L): 24.25 SD: 0.175 RSD(%): 0.72

Recovery is 115.6% 121.2%

~~~~~~

As ID: ACCV Seq. No.: 00020 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 22:07
Peak Area (A-s): 0.220 Peak Height (A): 0.435
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.223
Concentration (ug/L): 35.30

Replicate 2 Time: 22:09
Peak Area (A-s): 0.212 Peak Height (A): 0.432
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.215
Concentration (ug/L): 33.99

Mean Conc (ug/L): 34.64 SD: 0.920 RSD(%): 2.66

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00021 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 22:12
Peak Area (A-s): 0.000 Peak Height (A): 0.011
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.01

Replicate 2 Time: 22:14
Peak Area (A-s): 0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.38

Mean Conc (ug/L): 0.18 SD: 0.278 RSD(%): 150.93

QC sample is within range -4.0 - 2.0

~~~~~~

As ID: 9503G055-019 Seq. No.: 00022 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 22:17
Peak Area (A-s): 0.008 Peak Height (A): 0.018
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 1.23
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As ID: 9503G055-024 Seq. No.: 00029 A/S Pos.: 17 Date: 04/05/95

Replicate 1 Time: 22:51
Peak Area (A-s): 0.126 Peak Height (A): 0.258
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 20.23

Replicate 2 Time: 22:54
Peak Area (A-s): 0.126 Peak Height (A): 0.307
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 20.29

Mean Conc (ug/L): 20.26 101.3% SD: 0.045 RSD(%): 0.22 ✓

Recovery is 105.6%

~~~~~~

As ID: ACCV 3 Seq. No.: 00030 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 22:56
Peak Area (A-s): 0.216 Peak Height (A): 0.460
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.219
Concentration (ug/L): 34.73

Replicate 2 Time: 22:59
Peak Area (A-s): 0.215 Peak Height (A): 0.450
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.218
Concentration (ug/L): 34.47

Mean Conc (ug/L): 34.60 SD: 0.183 RSD(%): 0.53 ✓

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB 3 Seq. No.: 00031 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 23:01
Peak Area (A-s): -0.008 Peak Height (A): 0.013
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.33

Replicate 2 Time: 23:04
Peak Area (A-s): 0.006 Peak Height (A): 0.017
Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 0.85

Mean Conc (ug/L): -0.24 SD: 1.539 RSD(%): 649.06

QC sample is within range -4.0 - 2.0
~~~~~~

As ID: 9503G001-001 Seq. No.: 00033 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 23:07
Peak Area (A-s): 0.007 Peak Height (A): 0.018
Background Pk Area (A-s): 1.355 Background Pk Height (A): 0.323
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 1.05

Replicate 2 Time: 23:09
Peak Area (A-s): 0.001 Peak Height (A): 0.017
Background Pk Area (A-s): 1.389 Background Pk Height (A): 0.286
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.16

Mean Conc (ug/L): 0.60 SD: 0.632 RSD(%): 104.73

As ID: 9503G001-001 Seq. No.: 00034 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 23:12
Peak Area (A-s): 0.121 Peak Height (A): 0.088
Background Pk Area (A-s): 1.347 Background Pk Height (A): 0.293
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 19.38

Replicate 2 Time: 23:14
Peak Area (A-s): 0.125 Peak Height (A): 0.097
Background Pk Area (A-s): 1.316 Background Pk Height (A): 0.301
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 20.10

Mean Conc (ug/L): 19.74 SD: 0.508 RSD(%): 2.57

Recovery is 95.7% 98.7%

As ID: 9503G001-001S Seq. No.: 00035 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 23:17
Peak Area (A-s): 0.007 Peak Height (A): 0.022
Background Pk Area (A-s): 1.382 Background Pk Height (A): 0.322
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 1.03

Replicate 2 Time: 23:19
Peak Area (A-s): 0.011 Peak Height (A): 0.024
Background Pk Area (A-s): 1.367 Background Pk Height (A): 0.318
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 1.71

Mean Conc (ug/L): 1.37 SD: 0.481 RSD(%): 35.12

Note: SAMPLE CONTAINED HIGH BACKGROUND INTERFERENCES. Based on TL matrix spike recovery (26.4%) it appears the sample was spiked and is being suppressed. MM 5/6/99

As ID: 9503G001-001S Seq. No.: 00036 A/S Pos.: 19 Date: 04/05/95

Replicate
Peak Area (A-s): 0.118 Time: 23:22
Background Pk Area (A-s): 1.297 Peak Height (A): 0.120
Background Pk Height (A): 0.302

Background Pk Area (A-s): 1.2??

Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 18.98

Replicate 2 Time: 23:24
Peak Area (A-s): 0.128 Peak Height (A): 0.094
Background Pk Area (A-s): 1.310 Background Pk Height (A): 0.318
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 20.56

Mean Conc (ug/L): 19.77 SD: 1.113 RSD(%): 5.63

Recovery is 92.0% 98.8

~~~~~~

As ID: 9503G055-005 10 Seq. No.: 00038 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 23:27
Peak Area (A-s): 0.041 Peak Height (A): 0.106
Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 6.60

Replicate 2 Time: 23:29
Peak Area (A-s): 0.045 Peak Height (A): 0.087
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 7.15

Mean Conc (ug/L): 6.87 SD: 0.390 RSD(%): 5.68

~~~~~~

As ID: 9503G055-005 10 Seq. No.: 00039 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 23:31
Peak Area (A-s): 0.174 Peak Height (A): 0.316
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.177
Concentration (ug/L): 27.88

Replicate 2 Time: 23:34
Peak Area (A-s): 0.161 Peak Height (A): 0.337
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 25.77

Mean Conc (ug/L): 26.82 SD: 1.492 RSD(%): 5.56

Recovery is 99.8% ✓

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As ID: SOL. MB1 Seq. No.: 00040 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 23:36
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.014
Blank Corre-ted Pk Area (A-s): 0.002
Concentrat (ug/L): -0.23

Replicate 2 Time: 23:39
~~~~~~

Replicate 2 Time: 23:

Peak Area (A-s): -0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.68

Mean Conc (ug/L): -0.45 SD: 0.319 RSD(%): 70.17

~~~~~~

As ID: SOL. MB1 Seq. No.: 00041 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 23:41
Peak Area (A-s): 0.132 Peak Height (A): 0.233
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 21.14

Replicate 2 Time: 23:44
Peak Area (A-s): 0.132 Peak Height (A): 0.231
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 21.22

Mean Conc (ug/L): 21.18 SD: 0.057 RSD(%): 0.27

Recovery is 108.2% 105.9%

~~~~~~

As ID: ACCV Seq. No.: 00042 A/S Pos.: 2 Date: 04/05/95

Replicate 1 Time: 23:46
Peak Area (A-s): 0.239 Peak Height (A): 0.423
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.242
Concentration (ug/L): 38.33

Replicate 2 Time: 23:49
Peak Area (A-s): 0.231 Peak Height (A): 0.431
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.234
Concentration (ug/L): 37.05

Mean Conc (ug/L): 37.69 SD: 0.901 RSD(%): 2.39

QC sample is within range 31.5 - 38.5

~~~~~~

As ID: CCB Seq. No.: 00043 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 23:51
Peak Area (A-s): 0.001 Peak Height (A): 0.014
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.11

Replicate 2 Time: 23:54
Peak Area (A-s): 0.000 Peak Height (A): 0.015
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.01
~~~~~~

Concentration (ug/L): 0.01

Mean Conc (ug/L): 0.05 SD: 0.087 RSD(%): 169.71

QC sample is within range -4.0 - 2.0

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As ID: SOL. LC1 Seq. No.: 00044 A/S Pos.: 22 Date: 04/05/95

Replicate 1 Time: 23:56
Peak Area (A-s): 0.254 Peak Height (A): 0.437
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.257
Concentration (ug/L): 40.84

Replicate 2 Time: 23:59
Peak Area (A-s): 0.249 Peak Height (A): 0.452
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.252
Concentration (ug/L): 40.03

Mean Conc (ug/L): 40.43 101.1% SD: 0.568 RSD(%): 1.40

~~~~~~

As ID: SOL. LC1 Seq. No.: 00045 A/S Pos.: 22 Date: 04/05/95

Replicate 1 Time: 00:01
Peak Area (A-s): 0.385 Peak Height (A): 0.696
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.388
Concentration (ug/L): 61.83

Replicate 2 Time: 00:04
Peak Area (A-s): 0.377 Peak Height (A): 0.695
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.380
Concentration (ug/L): 60.57

Mean Conc (ug/L): ✓ 61.20 SD: 0.893 RSD(%): 1.46

Recovery is 103.8%

~~~~~~

As ID: SOL.LC2 Seq. No.: 00046 A/S Pos.: 23 Date: 04/06/95

Replicate 1 Time: 00:06
Peak Area (A-s): 0.259 Peak Height (A): 0.459
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.262
Concentration (ug/L): 41.61

Replicate 2 Time: 00:09
Peak Area (A-s): 0.260 Peak Height (A): 0.463
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.263
Concentration (ug/L): 41.75

Mean Conc (ug/L): 41.68 104.2% SD: 0.094 RSD(%): 0.23
~~~~~~

(1)

WESTON Analytics AA3.1 Report

Data File:AS0406S1 Date collected: 95/04/06 Time:
Method File: Date of Report: Time:
Analyst: DBS/PFK/DAK Remarks:

	AS ppb				
AICV	23.58	MASTO	1		10:25
ICB	-0.34	MASTO	1		10:30
CRA	9.68	MASTO	1		10:35
ACCV 1	36.28	MASTO	1		10:40
CCB	-0.24	MASTO	1		10:45
ACCV 2	36.24	MASTO	1		10:50
CCB	0.20	MASTO	1		10:53
9503G001-005	14.70 S	MASTO	1	95GF745	10:55
ACCV 3	35.93	MASTO	1		11:25
CCB	-0.74	MASTO	1		11:27
ACCV ~~4~~ CB	33.88	MASTO	1		11:35
CCB 4/13/95	-0.61	MASTO	1		11:40
9504G097-002	3.34	MASSO	1	NONE	11:45
9504G097-002S	24.47	MASSO	1		11:50
9504G097-002R	2.34	MASSO	1		11:55
9504G097-006	4.45	MASSO	1		12:05
9504G097-012	3.07	MASSO	1		12:15
ACCV	36.36	MASTO	1		12:25
CCB	0.30	MASTO	1		12:30
9504G122-006	5.08	MASTO	20	95GF748	12:35
9504G122-006R	5.21	MASTO	20		12:45
9504G122-006S	8.06	MASTO	20		12:55
9503L422-001	3.90	MASTO	2		13:04
ACCV	34.89	MASTO	1		13:14
CCB	1.24	MASTO	1		13:19
95GF750-MB1	-0.09	MASTO	1	95GF750	13:24
95GF750-LC1	37.82	MASTO	1		13:34
95GF750-LC2	37.84	MASTO	1		13:44
ACCV	36.80	MASTO	1		14:04
CCB	0.07	MASTO	1		14:09
9503L405-002	0.66	MASTO	1		14:34
ACCV	36.58	MASTO	1		14:53
CCB	0.34	MASTO	1		14:58
9503L420-002	2.16	MASTO	1		15:03
9504G083-001	6.29	MASTO	20		15:13
~~9504G083-002~~	~~2.51~~	~~MASTO~~	~~20~~	~~ans 4/7/95~~	15:23
ACCV	35.77	MASTO	1		15:43
CCB	-0.84	MASTO	1		15:53
9503L405-001R	3.91	MASTO	5		15:58
9503L405-001S	8.08	MASTO	5		16:08
9503L420-001	4.63	MASTO	5		16:19
ACCV	35.64	MASTO	1		16:31
CCB	-0.08	MASTO	1		16:36
9503L405-001	5.07	MASTO	5		16:41
95GF754-MB1	-0.22	MASTO	1	95GF754	16:51
95GF754-LC1	37.63	MASTO	1		17:01
95GF754-LC2	36.59	MASTO	1		17:11
ACCV	35.34	MASTO	1		17:21
CCB	0.35	MASTO	1		17:26
9504G158-001	1.43	MASTO	1		17:31
9504G158-001R	2.55	MASTO	1		17:41
9504G158-001S	40.88	MASTO	1		17:51
9504G158-005	14.13	MASTO	5		18:00
ACCV	35.46	MASTO	1		18:11
CCB	0.61	MASTO	1		18:21
95GF753-MB1	0.19	MASTO	1	95GF753	18:25
95GF753-LC1	36.63	MASTO	1		18:35

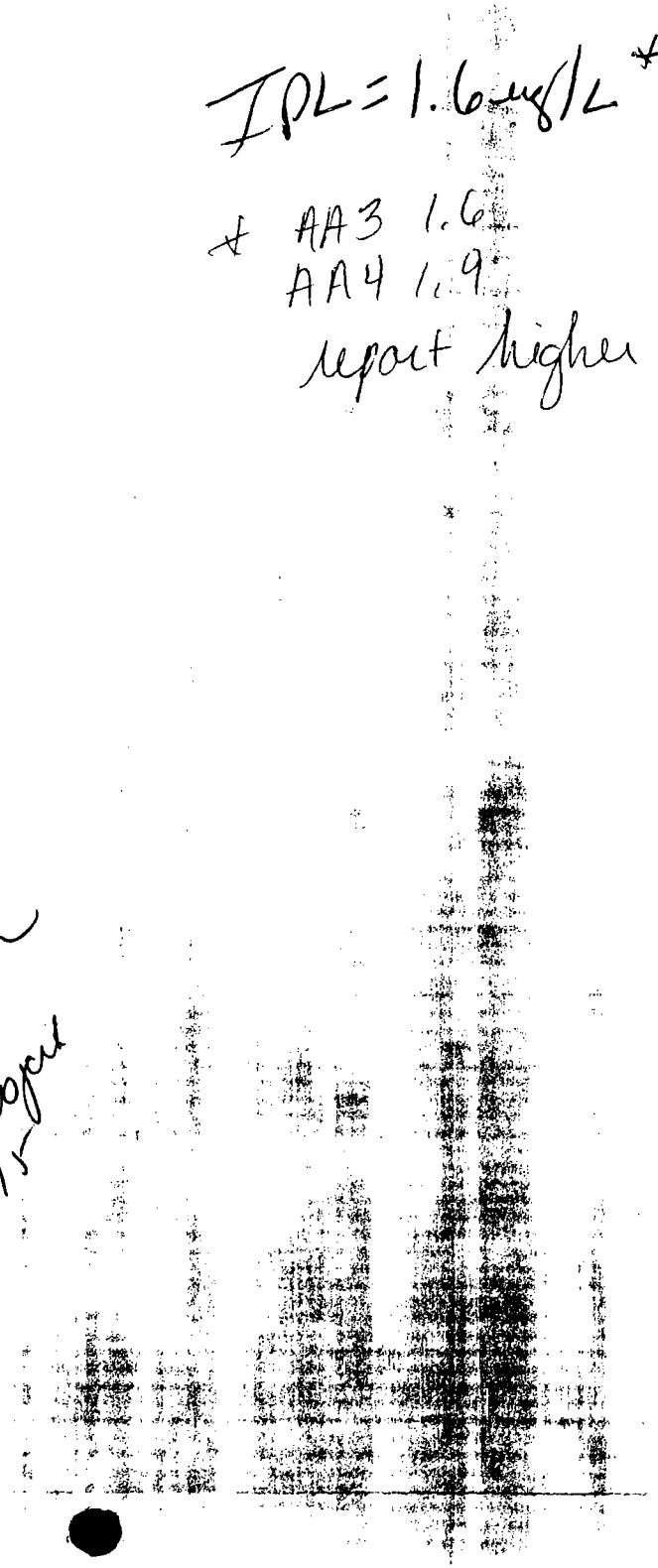
updated 4/7/95

Dan [signature] 4/7/95

Jody L Wojcik 4/7/95

IPL = 1.6 ug/L * runs

* AA3 1.6
AA4 1.9
report higher of the 2



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WESTON Environmental Metrics, Inc.
AA3 - PE5100 GFAA Sample Analysis Log

OP No. 21-21
Rev. 01; Eff. Date 0

Filename: AS0406R1

Element: AS Lamp: EDL Current: 305 Energy: 48 pms 4/7/9

Prep Batch / Matrix: F745/F735/Sol./F748/F750 QC: a. Standard b. CLI

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	9503G001-005 MSA				(95GF745)
7	-017				(95GF735)
8	-017R				
9	9504G097-002				(SOLUBLE)
10	-002R				
11	-006				
12	-012				
13	9504G122-006 20X				(95GF748)
14	-006R 20X				
15	MSA 4/6/95 -006S 20X				
16	9503GL422-001 2X				
17	95GF750-MB1				(Std H2O's)
18	-LC1				
19	-LC2				
20	9503L405-001	5X	✓		
21	-001R	5X	✓		
22	-001S	5X	✓		
23	-002				
24	9503L420-001	5X	✓		
25	-002				
26	9504G083-001 (20X)				
27	002 ~~-001R~~ (20X)				
28 ✓	9503L405-001 5X		✓		
29 ✓	-001R 5X				
30 ✓	-001S 5X				
31 ✓	9503L420-001 5X				
32					
33					
34					
35					
36					
37					
38					
39					
40					

JAK 4/6/95

JAK 4/6/95

Analyst: Dan [signature] Date: 4/6/95

Reviewer: Debbie Kelly Date: 4/10/95

Page: 55

CONT. ON PAGE 56

Element File: AS_CLP.GEL
Element: As Analyst: BPH/PFK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
 Standards 1276-72-5
 ICV,CCV'S 1276-73-7
 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
 EDL SERIAL #783,IDL=1.6
 ANALYST--BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100 Technique: HGA
Wavelength: 193.7 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 8.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 2 if <= 70.0 ug/L, 2 if > 70.0 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.00		40	20	8	5	
Standard 1	S10.00	10.00	4	20	8	5	
Standard 2	S20.00	20.00	5	8	20	5	
Standard 3	S30.00	30.00	5	12	16	5	
Standard 4	S50.00	50.00	1	10	18	5	
Standard 5	S70.00	70.00	1	14	14	5	
Samples				20	8	5	

Diluent Location: 40
Modifier #1 Location: 0 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	90	4	3	300		Norm
2	140	15	14	300		Norm
3	1100	25	8	300		Norm
4	20	1	10	300		Norm
5	2100	0	8	0	*	Norm
6	2700	1	5	300		Norm

Injection Temp: 20 Pipette Speed: 100%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

Element File: ASMSA.GEL
Element: As Analyst: BPH/PFK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
 Standards 1276-72-5
 ICV,CCV'S 1276-73-7
 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
 EDL SERIAL #783,IDL=1.6
 ANALYST-BRYAN HOST/PAUL KOLARCZYK

INSTRUMENT: 5100 Technique: HGA
Wavelength: 193.7 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 8.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 1
Standard Replicates: 1 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc
Calib. Blank	S0	
Standard 1	S10.0	10.0
Standard 2	S20.0	20.0
Standard 3	S30.0	30.0

Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Method of Add.

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	90	4	3	300		Norm
2	140	15	14	300		Norm
3	1100	25	8	300		Norm
4	20	1	10	300		Norm
5	2100	0	8	0	*	Norm
6	2700	1	5	300		Norm

Injection Temp: 20 Pipette Speed: 100%

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	2	ACCV	31.5	38.5	X	X	X	
2	3	CCB	-3.0	2.0	X	X	X	

Run Periodic QC Samples: Every 5
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

CHECkS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10.0 then Retry 1 times
Check %RSD on: Standards + QC Samples

Recovery Measurements:
8 uL of 50.0 ug/L Standard at Location 5 Gives 20.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	22.5	27.5	X			
2	3	ICB	-3.0	2.0	X			
3	4	CRA	5.0	15.0	X			X
4	2	ACCV	31.5	38.5	X	X	X	
5	3	CCB	-4.0	2.0	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: AS_CLP.GEL Element: As Wavelength: 193.7
Date: 04/06/95 Time: 09:52 Slit: 0.70 L
Data File: AS040&R1.DAT ID/Wt File: AS040601.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 48
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-73-7
Remark 3: 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
Remark 4: EDL SERIAL #783,IDL=1.6
Remark 5: ANALYST--BRYAN HOST/PAUL KOLARCZYK

As ID: S0.00 Seq. No.: 00001 A/S Pos.: 4 Date: 04/06/95

Replicate 1 Time: 09:52
Peak Area (A-s): 0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.04

Replicate 2 Time: 09:54
Peak Area (A-s): -0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -1.77

-0.0015

Mean Conc (ug/L): -1.40 SD: 0.517 RSD(%): 36.85

Auto-zero performed.

As ID: S10.00 Seq. No.: 00002 A/S Pos.: 4 Date: 04/06/95

Replicate 1 Time: 09:57
Peak Area (A-s): 0.063 Peak Height (A): 0.122
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 9.77

Replicate 2 Time: 09:59
Peak Area (A-s): 0.070 Peak Height (A): 0.126
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 10.93

Mean Conc (ug/L): 10.35 SD: 0.821 RSD(%): 7.93

0.0665

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0068 Int: 0.000

As ID: S20.00 Seq. No.: 00003 A/S Pos.: 5 Date: 04/06/95

Replicate 1 Time: 10:02
Peak Area s): 0.130 Peak Height (A): 0.250
Background Area (A-s): 0.019 Background Pk Height (A): 0.0__
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 19.44

Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 19.44

Replicate 2 Time: 10:05
Peak Area (A-s): 0.131 Peak Height (A): 0.255
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 19.58

Mean Conc (ug/L): 19.51 SD: 0.100 RSD(%): 0.51

Standard number 2 applied. [20.00] 0.1305
Correlation coefficient: 0.99990 Slope: 0.0066 Int: 0.001

As ID: S30.00 Seq. No.: 00004 A/S Pos.: 5 Date: 04/06/95

Replicate 1 Time: 10:07
Peak Area (A-s): 0.196 Peak Height (A): 0.374
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.198
Concentration (ug/L): 29.75

Replicate 2 Time: 10:10
Peak Area (A-s): 0.197 Peak Height (A): 0.380
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.199
Concentration (ug/L): 29.96

Mean Conc (ug/L): 29.86 SD: 0.149 RSD(%): 0.50

Standard number 3 applied. [30.00] 0.1965
Correlation coefficient: 0.99995 Slope: 0.0066 Int: 0.001

As ID: S50.00 Seq. No.: 00005 A/S Pos.: 1 Date: 04/06/95

Replicate 1 Time: 10:12
Peak Area (A-s): 0.308 Peak Height (A): 0.613
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.310
Concentration (ug/L): 46.89

Replicate 2 Time: 10:15
Peak Area (A-s): 0.310 Peak Height (A): 0.593
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.312
Concentration (ug/L): 47.17

Mean Conc (ug/L): 47.03 SD: 0.198 RSD(%): 0.42

Standard number 4 applied. [50.00] 0.309
Correlation coefficient: 0.99908 Slope: 0.0062 Int: 0.005

As ID: S70.00 Seq. No.: 00006 A/S Pos.: 1 Date: 04/06/95

Replicate Time: 10:17
Peak Area (A-s): 0.441 Peak Height (A): 0.754

Peak Area (A-s): 0.441 Peak Height (A): 0.754
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.443
Concentration (ug/L): 70.31

Replicate 2 Time: 10:20
Peak Area (A-s): 0.455 Peak Height (A): 0.881
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.457
Concentration (ug/L): 72.56

Mean Conc (ug/L): 71.43 SD: 1.588 RSD(%): 2.22

Standard number 5 applied. [70.00] 0.448
Correlation coefficient: 0.99951 Slope: 0.0063 Int: 0.003

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As ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 04/06/95

Replicate 1 Time: 10:22
Peak Area (A-s): 0.163 Peak Height (A): 0.277
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 25.46

Replicate 2 Time: 10:25
Peak Area (A-s): 0.139 Peak Height (A): 0.169
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 21.69

Mean Conc (ug/L): 23.58 SD: 2.665 RSD(%): 11.30

QC sample is within range 22.5 - 27.5

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As ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 10:27
Peak Area (A-s): -0.003 Peak Height (A): 0.019
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.77

Replicate 2 Time: 10:30
Peak Area (A-s): 0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.10

Mean Conc (ug/L): -0.34 SD: 0.613 RSD(%): 182.61

QC sample is within range -3.0 - 2.0

~~~~~~

As ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 04/06/95

Replicate Time: 10:32
Peak Area s): 0.072 Peak Height (A): 0.122
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.074
~~~~~~

Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 11.11

Replicate 2 Time: 10:35

Peak Area (A-s): 0.054 Peak Height (A): 0.066
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 8.26

Mean Conc (ug/L): 9.68 SD: 2.016 RSD(%): 20.81

QC sample is within range 5.0 - 15.0

As ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 10:37
Peak Area (A-s): 0.234 Peak Height (A): 0.396
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.236
Concentration (ug/L): 36.75

Replicate 2 Time: 10:40
Peak Area (A-s): 0.228 Peak Height (A): 0.430
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.230
Concentration (ug/L): 35.80

Mean Conc (ug/L): 36.28 SD: 0.671 RSD(%): 1.85

QC sample is within range 31.5 - 38.5

As ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 10:42
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.02

Replicate 2 Time: 10:45
Peak Area (A-s): -0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.50

Mean Conc (ug/L): -0.24 SD: 0.367 RSD(%): 154.62

QC sample is within range -4.0 - 2.0

Element File: ASMSA.GEL Element: As Wavelength: 193.7
Date: 04/06/95 Time: 10:50 Slit: 0.70 L
Data File: AS0406R1.DAT ID/Wt File: AS040601.IDW Lamp Current: 0
Technique: HGA Calib. Type: Method of Add. Energy: 47
Remark 1: Standards 1276-72-5
Remark 2: ICV,CCV'S 1276-73-7
Remark 3: 5 ul of Pd(NO3)2 & Mg(NO3)2 matrix modifier
Remark 4: EDL SERIAL #783,IDL=1.6
Remark 5: ANALYST-BRYAN HOST/PAUL KOLARCZYK

As ID: ACCV Seq. No.: 00012 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 10:50
Peak Area (A-s): 0.231 Peak Height (A): 0.393
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.231

As ID: CCB Seq. No.: 00013 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 10:53
Peak Area (A-s): 0.003 Peak Height (A): 0.014
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.003

As ID: 9503G001-005 Seq. No.: 00014 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 10:55
Peak Area (A-s): 0.098 Peak Height (A): 0.075
Background Pk Area (A-s): 1.118 Background Pk Height (A): 0.364
Blank Corrected Pk Area (A-s): 0.098

As ID: S10.0 Seq. No.: 00015 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 10:58
Peak Area (A-s): 0.167 Peak Height (A): 0.134
Background Pk Area (A-s): 1.896 Background Pk Height (A): 0.471
Blank Corrected Pk Area (A-s): 0.167

As ID: S20.0 Seq. No.: 00016 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 11:00
Peak Area (A-s): 0.237 Peak Height (A): 0.173
Background Pk Area (A-s): 1.314 Background Pk Height (A): 0.414
Blank Corrected Pk Area (A-s): 0.237

As ID: S30.0 Seq. No.: 00017 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 11:03
Peak Area (A-s): 0.300 Peak Height (A): 0.227
Background Area (A-s): 1.725 Background Pk Height (A): 0.
Blank Corrected Pk Area (A-s): 0.300

As ID: 9503G001-005 Seq. No.: 00014 A/S Pos.: 6 Date: 04/06/95

Concentration (ug/L): ~~14.7~~ 14.70

CC = 0.9997 D = 0.0991
M = 0.0068 X = 14.66

Correlation coefficient: ~~0.99976~~ Slope: ~~0.0068~~ Int: ~~0.099~~ MMS 4/7/95

~~~~~~

As ID: 9503G001-017 Seq. No.: 00018 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 11:05
Peak Area (A-s): 0.103 Peak Height (A): 0.159
Background Pk Area (A-s): 0.513 Background Pk Height (A): 0.228
Blank Corrected Pk Area (A-s): 0.103

As ID: S10.0 Seq. No.: 00019 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 11:08
Peak Area (A-s): 0.160 Peak Height (A): 0.262
Background Pk Area (A-s): 0.480 Background Pk Height (A): 0.303
Blank Corrected Pk Area (A-s): 0.160

As ID: S20.0 Seq. No.: 00020 A/S Pos.: 7 Date: 04/06/95

NOT NEEDED MMS 4/7/95

Replicate 1 Time: 11:10
Peak Area (A-s): 0.218 Peak Height (A): 0.367
Background Pk Area (A-s): 0.496 Background Pk Height (A): 0.311
Blank Corrected Pk Area (A-s): 0.218

As ID: S30.0 Seq. No.: 00021 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 11:12
Peak Area (A-s): 0.284 Peak Height (A): 0.457
Background Pk Area (A-s): 0.482 Background Pk Height (A): 0.333
Blank Corrected Pk Area (A-s): 0.284

As ID: 9503G001-017 Seq. No.: 00018 A/S Pos.: 7 Date: 04/06/95

Concentration (ug/L): 16.8

Correlation coefficient: 0.99929 Slope: 0.0060 Int: 0.101

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As ID: 9503G001-017R Seq. No.: 00022 A/S Pos.: 8 Date: 04/06/95

Replicate 1 Time: 11:15
Peak Area (A-s): 0.096 Peak Height (A): 0.163
Background Pk Area (A-s): 0.459 Background Pk Height (A): 0.258
Blank Corrected Pk Area (A-s): 0.096

As ID: S10.0 Seq. No.: 00023 A/S Pos.: 8 Date: 04/06/95

Replicate 1 Time: 11:17
Peak Area (A-s): 0.152 Peak Height (A): 0.267
Background Pk Area (A-s): 0.483 Background Pk Height (A): 0.320
Blank Corrected Pk Area (A-s): 0.152

As ID: S .0 Seq. No.: 00024 A/S Pos.: 8 Dat 4/06/95

NOT NEEDED MMS 4/7/95

Replicate Time: 11:20
Peak Area (A-s): 0.217 Peak Height (A): 0.354

Peak Area (A-s): 0.217
Background Pk Area (A-s): 0.470
Blank Corrected Pk Area (A-s): 0.217

Background Pk Height (A): 0.31[illegible]

As ID: S30.0 Seq. No.: 00025 A/S Pos.: 8 Date: 04/06/95

Replicate 1
Peak Area (A-s): 0.281
Background Pk Area (A-s): 0.479
Blank Corrected Pk Area (A-s): 0.281

Time: 11:22
Peak Height (A): 0.462
Background Pk Height (A): 0.314

As ID: 9503G001-017R Seq. No.: 00022 A/S Pos.: 8 Date: 04/06/95

Concentration (ug/L): 15.1

Correlation coefficient: 0.99951 Slope: 0.0062 Int: 0.094

~~~~~~

As ID: ACCV Seq. No.: 00026 A/S Pos.: 2 Date: 04/06/95

x' = 35.93

Replicate 1
Peak Area (A-s): 0.229
Background Pk Area (A-s): 0.022
Blank Corrected Pk Area (A-s): 0.229

Time: 11:25
Peak Height (A): 0.380
Background Pk Height (A): 0.029

~~~~~~

As ID: CCB Seq. No.: 00027 A/S Pos.: 3 Date: 04/06/95

x' = -0.74

Replicate 1
Peak Area (A-s): -0.003
Background Pk Area (A-s): 0.007
Blank Corrected Pk Area (A-s): -0.003

Time: 11:27
Peak Height (A): 0.011
Background Pk Height (A): 0.014

554

(3)

WESTON Analytics AA7.1 Report: Run-1

Data File:FB0331D1 Date collected: 95/03/31 Time:
Method File: Date of Report: Time:
Analyst: DAK Remarks:

Paul F. Kilcoyne 4/1/95

IDL = 1 ug/L *

	PB ppb				
AICV	24.58	MPBTO	1		10:41
ICB	-0.89	MPBTO	1		10:48
CRA	2.57	MPBTO	1		10:55
ACCV } 1	35.11	MPBTO	1		11:01
CCB	-0.83	MPBTO	1		11:08
• 95036895-002	~~9.81~~ 0.29	MPBTO	1	NONE	11:14
ACCV } 2	35.87	MPBTO	1		11:41
CCB	-0.62	MPBTO	1		11:47
95GF737-MB1	-0.97	MPBTO	1	95GF737	12:28
95GF737-LC1	19.20	MPBTO	1		12:42
ACCV } 3	36.60	MPBTO	1		12:55
CCB	-1.16	MPBTO	1		13:01
• 95036943-001	-0.83	MPBTO	1		13:08
95036943-002	-0.35	MPBTO	1		13:21
95036943-004	-0.36	MPBTO	1		13:35
95036943-004R	-0.22	MPBTO	1		13:48
ACCV } 4	36.45	MPBTO	1		14:02
CCB	-1.15	MPBTO	1		14:08
95036943-004S	17.55	MPBTO	1		14:15
95036943-005	0.10	MPBTO	1		14:28
95036943-006	-0.45	MPBTO	1		14:41
95036943-007	-0.66	MPBTO	1		14:55
ACCV } 5	36.91	MPBTO	1		15:08
CCB	-0.89	MPBTO	1		15:14
95036943-008	-0.44	MPBTO	1		15:21
95036943-009	28.28	MPBTO	1		15:34
95036943-010	-0.05	MPBTO	1		15:47
95036943-012	0.54	MPBTO	1		16:01
ACCV } 6	36.98	MPBTO	1		16:14
CCB	-0.70	MPBTO	1		16:20
95036943-013	-0.51	MPBTO	1		16:27
95036943-014	-0.12	MPBTO	1		16:43
95036943-014R	-0.23	MPBTO (sec)	1		16:56
95036943-014S	21.45	MPBTO	1		17:09
ACCV } 7	37.28	MPBTO	1		17:23
CCB	-0.86	MPBTO	1		17:29
95036943-016	-0.42	MPBTO	1		17:36
95036943-017	-0.72	MPBTO (sec)	1		17:49
95GF735-MB1	-0.69	MPBTO	1	95GF735	18:02
95GF735-LC1	20.40	MPBTO	1		18:15
ACCV } 8	36.45	MPBTO	1		18:29
CCB	-0.56	MPBTO	1		18:35
• 95036001-017	14.16	MPBTO	10		18:42
95036001-017R	12.20	MPBTO	10		18:55
95036001-017S	17.78	MPBTO	10		19:08
95036001-018	25.04	MPBTO	5		19:21
ACCV } 9	37.19	MPBTO	1		19:35
CCB	-0.75	MPBTO	1		19:41
95036001-019	29.36	MPBTO	1		19:48
95036001-021	19.05	MPBTO	2		20:01
95036001-022	23.08	MPBTO	1		20:14
95GF739-MB1	-0.25	MPBTO	1	95GF739	20:27
ACCV } 10	33.34	MPBTO	1		20:41
CCB	-0.69	MPBTO	1		20:47
95GF739-LC1	19.35	MPBTO	1		20:54
95GF739-LC2	20.87	MPBTO	1		21:07
95036970-001	5.90	MPBTO	1		21:20
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

Dan [illegible] 4/3/95

updated 4/3/95

* AA6 1.6
AA7 1.0

report higher of the 2

555

OP No. 21-21G-1566

WESTON-Gulf Coast, Inc.
AA7 - PE4100ZL GFAA Sample Analysis Log

Page: 190

Element: Pb
Lamp: EDL Current: 400 Energy: 61

Filename: Pb0331A1 PFK 4/1/95
Prep Batch:

AS-71

LOC		Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA (ug/L)	3	5	10	10	5	0.5
72	STD 2 "	10	10	20	20	10	1.0
73	STD 3 "	30	20	30	30	20	2.0
74	STD 4 "	50	40	50	50	40	4.0
75	STD 5 "	70	50	70	70	50	5.0
76	ICV/CCV "	35	25	35	35	25	2.5
77	ICB/CCB "	0	0	0	0	0	0
78	Modifier						
79	_____						
80	Diluent						
0	Spike Solution "	40	20	40	40	10	2.0

QC: (a.) Standard (b.) CLP
c. Other: _____

* Dilutions based on ICP run P10331B

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	9503G895-002 } (IDL)				
2	9503G895-002				
3	9503G983-011			(F730/CLP)	
4	-011R			↓	
5	95GF737-MB1			(CLP H2O's	
6	-LC1			☆ = Sol.	
7	9503G943-001				
	-002				
9	-004				
10	-004R				
11	-004S				
12	-005				
13	-006				
14	-007				
15	-008				
16	-009				
17	-010				
18	-012				
19	-013				
20	☆ -014				
21	☆ -014R				
22	☆ -014S				
23	-016				
24	☆ -017			↓	
25	95GF735-MB1			(CLP Soils	
26	-LC1			✱	
27	9503G001-017 (10x)				
28	-017R (10x)				
29	-017S (10x)				
30	-018 (5x)				
31	-019				
32	-021 (2x)				
33	-022				
34	95GF739-MB1			(Std H2O's	
	-LC1			↓	

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
36	95GF739-LC2			(Std H2O's	
37	9503G970-001				
38	9503G023-001				
39	-001R				
40	-001S				
41	-002				
42	-003				
43	-004				
44	-005				
45	-006			↓	
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DAK 3/31/95

Analyst: Debbie Kelly Date: 3/31/95

Reviewer: Dan Offs Date: 4/4/95

Element File: PBCLP080.GEL
Element: Pb Analyst: BH/DAK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
STANDARDS 1276-71-8 IDL= 1.0
ICV,CCV'S 1276-72-1
MODIFIER--PD(NO3)2E + MAGNESIUM NITRATE
EDL#759 , HOLLOW CATHODE# 0560969T
ANALYST DEBBIE KELLY / BRIAN HAMENDE

INSTRUMENT: 4100 ZL Technique: HGA Version: 7.30
Wavelength: 283.3 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 5.0 Read Delay: 0.0 BOC Time: 2
Sample Replicates: 2 if (= 70.00 ug/L, 2 if) 70.00 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	15	4	
Standard 1	S3	3.00	71	20	15	4	
Standard 2	S10	10.00	72	20	15	4	
Standard 3	S30	30.00	73	20	15	4	
Standard 4	S50	50.00	74	20	15	4	
Standard 5	S70	70.00	75	20	15	4	
Samples				20	15	4	

Diluent Location: 80
Modifier #1 Location: 78 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	120	7	30	250		Norm
2	230	20	20	250		Norm
3	300	5	15	250		Norm
4	500	4	10	250		Norm
5	1900	0	5	0	*	Norm
6	2400	1	10	250		Norm
7	20	1	5	250		Norm

Injection Temp: 120 Pipette Speed: 100% Extraction System: On

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SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD) 20.0 and Concentration) 3.0 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits: 85.0 to 115.0

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.50	27.50	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA			X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	2.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: PBCLP080.GEL Element: Pb Wavelength: 283.3
Date: 03/31/95 Time: 09:55 Slit: 0.70 L
Data File: PB0331C1.DAT ID/Wt File: PB033101.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 58
Remark 1: STANDARDS 1276-71-8 IDL= 1.0
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER--PD(NO3)2E + MAGNESIUM NITRATE
Remark 4: EDL#759 , HOLLOW CATHODE# 0560969T
Remark 5: ANALYST DEBBIE KELLY / BRIAN HAMENDE

Debbie Kelly

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 09:58
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.012 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.72

Replicate 2 Time: 10:01
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.014 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.42

Mean Conc (ug/L): -0.57 SD: 0.211 RSD(%): 36.79

Auto-zero performed.

Pb ID: S3 Seq. No.: 00002 A/S Pos.: 71 Date: 03/31/95

Replicate 1 Time: 10:04
Peak Area (A-s): 0.013 Peak Height (A): 0.022
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 2.16

Replicate 2 Time: 10:07
Peak Area (A-s): 0.012 Peak Height (A): 0.020
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 1.96

Mean Conc (ug/L): 2.06 SD: 0.136 RSD(%): 6.61

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0040 Int: -0.000

Pb ID: S10 Seq. No.: 00003 A/S Pos.: 72 Date: 03/31/95

Replicate 1 Time: 10:11
Peak Area (A-s): 0.043 Peak Height (A): 0.071
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 10.50

```
Replicate  2                                Time: 10:14
Peak Area (A-s): 0.043                      Peak Height (A): 0.076
Background Pk Area (A-s): -0.003            Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L  ): 10.43

Mean Conc  (ug/L  ):      10.46             SD: 0.054              RSD(%): 0.52

Standard number 2 applied.  [10.00]
Correlation coefficient: 0.99989            Slope: 0.0042          Int: -0.000

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Pb    ID: S30                 Seq. No.: 00004    A/S Pos.: 73    Date: 03/31/95

Replicate  1                                Time: 10:17
Peak Area (A-s): 0.114                      Peak Height (A): 0.169
Background Pk Area (A-s): 0.005             Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.113
Concentration (ug/L  ): 26.74

Replicate  2                                Time: 10:20
Peak Area (A-s): 0.114                      Peak Height (A): 0.189
Background Pk Area (A-s): 0.006             Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.113
Concentration (ug/L  ): 26.69

Mean Conc  (ug/L  ):      26.72             SD: 0.034              RSD(%): 0.13

Standard number 3 applied.  [30.00]
Correlation coefficient: 0.99908            Slope: 0.0038          Int: 0.002

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Pb    ID: S50                 Seq. No.: 00005    A/S Pos.: 74    Date: 03/31/95

Replicate  1                                Time: 10:24
Peak Area (A-s): 0.183                      Peak Height (A): 0.308
Background Pk Area (A-s): 0.016             Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.182
Concentration (ug/L  ): 48.05

Replicate  2                                Time: 10:29
Peak Area (A-s): 0.184                      Peak Height (A): 0.305
Background Pk Area (A-s): 0.017             Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.183
Concentration (ug/L  ): 48.36

Mean Conc  (ug/L  ):      48.21             SD: 0.224              RSD(%): 0.46

Standard number 4 applied.  [50.00]
Correlation coefficient: 0.99946            Slope: 0.0036          Int: 0.002

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Pb    ID: S70                 Seq. No.: 00006    A/S Pos.: 75    Date: 03/31/95

Replicate  1                                Time: 10:32
Peak Area (A-s): 0.257                      Peak Height (A): 0.396
Background Pk Area (A-s): 0.027             Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L  ): 69.85
```

Replicate 2 Time: 10:35
Peak Area (A-s): 0.256 Peak Height (A): 0.400
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.256
Concentration (ug/L): 69.65

Mean Conc (ug/L): 69.75 SD: 0.140 RSD(%): 0.20

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99975 Slope: 0.0036 Int: 0.003

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Pb ID: AICV Seq. No.: 00007 A/S Pos.: 79 Date: 03/31/95

Replicate 1 Time: 10:38
Peak Area (A-s): 0.091 Peak Height (A): 0.154
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 24.15

Replicate 2 Time: 10:41
Peak Area (A-s): 0.094 Peak Height (A): 0.148
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 25.00

Mean Conc (ug/L): 24.58 SD: 0.602 RSD(%): 2.45

QC sample is within range 22.50 - 27.50

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Pb ID: ICB Seq. No.: 00008 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 10:45
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.71

Replicate 2 Time: 10:48
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.08

Mean Conc (ug/L): -0.89 SD: 0.258 RSD(%): 28.85

QC sample is within range -3.00 - 2.00

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Pb ID: CRA Seq. No.: 00009 A/S Pos.: 71 Date: 03/31/95

Replicate 1 Time: 10:51
Peak Area (A-s): 0.013 Peak Height (A): 0.025
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.59

Replicate 2 Time: 10:55
~~~~~~

Peak Area (A-s): 0.013 | Peak Height (A): 0.022
Background Pk Area (A-s): -0.003 | Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.54

Mean Conc (ug/L): 2.57 SD: 0.031 RSD(%): 1.19

QC sample is within range

~~~~~~

Pb ID: ACCV Seq. No.: 00010 A/S Pos.: 76 Date: 03/31/95

Replicate 1 | Time: 10:58
Peak Area (A-s): 0.130 | Peak Height (A): 0.204
Background Pk Area (A-s): 0.011 | Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 34.83

Replicate 2 | Time: 11:01
Peak Area (A-s): 0.132 | Peak Height (A): 0.206
Background Pk Area (A-s): 0.011 | Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 35.38

Mean Conc (ug/L): 35.11 SD: 0.389 RSD(%): 1.11 ✓

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB Seq. No.: 00011 A/S Pos.: 77 Date: 03/31/95

Replicate 1 | Time: 11:04
Peak Area (A-s): 0.001 | Peak Height (A): 0.005
Background Pk Area (A-s): -0.006 | Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.70

Replicate 2 | Time: 11:08
Peak Area (A-s): -0.000 | Peak Height (A): 0.006
Background Pk Area (A-s): -0.004 | Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.95

Mean Conc (ug/L): -0.83 SD: 0.174 RSD(%): 21.02

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G895-002 (IDL) Seq. No.: 00012 A/S Pos.: 1 Date: 03/31/95

Replicate 1 | Time: 11:11
Peak Area (A-s): 0.039 | Peak Height (A): 0.072
Background Pk Area (A-s): -0.000 | Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 9.91 #1

Replicate 2 | Time: 11:14
Peak Area (A-s): 0.038 | Peak Height (A): 0.070
Background Pk Area (A-s): -0.001 | Background Pk Height (A): 0.01[illegible]
~~~~~~

Pb ID: ACCV Seq. No.: 00016 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 11:38
Peak Area (A-s): 0.133 Peak Height (A): 0.230
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 35.82

Replicate 2 Time: 11:41
Peak Area (A-s): 0.134 Peak Height (A): 0.214
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 35.93

Mean Conc (ug/L): 35.87 SD: 0.076 RSD(%): 0.21

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00017 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 11:44
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.32

Replicate 2 Time: 11:47
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.93

Mean Conc (ug/L): -0.62 SD: 0.428 RSD(%): 68.51

QC sample is within range -3.00 - 2.00

Pb ID: 9503G938-011 Seq. No.: 00019 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 11:52
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.30

Replicate 2 Time: 11:55
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.14

Mean Conc (ug/L): 0.22 SD: 0.110 RSD(%): 50.47

Pb ID: 9503G938-011 Seq. No.: 00020 A/S Pos.: 3 Date: 03/31/95

Replicate 1 Time: 11:58

Budget, see C.A.R.

AK 4/21/95

Replicate 2 Time: 12:42
Peak Area (A-s): 0.074 Peak Height (A): 0.134
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 19.39

Mean Conc (ug/L): 19.20 96.0% SD: 0.268 RSD(%): 1.40

~~~~~~

Pb ID: 95GF737-LC1 Seq. No.: 00027 A/S Pos.: 6 Date: 03/31/95

Replicate 1 Time: 12:45
Peak Area (A-s): 0.150 Peak Height (A): 0.272
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 40.43

Replicate 2 Time: 12:48
Peak Area (A-s): 0.154 Peak Height (A): 0.274
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 41.49

Mean Conc (ug/L): 40.96 SD: 0.751 RSD(%): 1.83

Recovery is 108.8% ✓

~~~~~~

Pb ID: ACCV B Seq. No.: 00028 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 12:52
Peak Area (A-s): 0.138 Peak Height (A): 0.224
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 37.27

Replicate 2 Time: 12:55
Peak Area (A-s): 0.134 Peak Height (A): 0.233
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 35.93

Mean Conc (ug/L): 36.60 SD: 0.947 RSD(%): 2.59 ✓

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB B Seq. No.: 00029 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 12:58
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.26

Replicate 2 Time: 13:01
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
~~~~~~

Concentration (ug/L): -1.05

Mean Conc (ug/L): -1.16 SD: 0.149 RSD(%): 12.92

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G943-001 Seq. No.: 00030 A/S Pos.: 7 Date: 03/31/95

Replicate 1 Time: 13:05
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.96

Replicate 2 Time: 13:08
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.70

Mean Conc (ug/L): -0.83 SD: 0.180 RSD(%): 21.70

~~~~~~

Pb ID: 9503G943-001 Seq. No.: 00031 A/S Pos.: 7 Date: 03/31/95

Replicate 1 Time: 13:11
Peak Area (A-s): 0.079 Peak Height (A): 0.232
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 20.88

Replicate 2 Time: 13:15
Peak Area (A-s): 0.076 Peak Height (A): 0.223
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 19.99

Mean Conc (ug/L): 20.44 102.2% SD: 0.634 RSD(%): 3.10

Recovery is 106.3%

~~~~~~

Pb ID: 9503G943-002 Seq. No.: 00032 A/S Pos.: 8 Date: 03/31/95

Replicate 1 Time: 13:18
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.29

Replicate 2 Time: 13:21
Peak Area (A-s): 0.002 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 (ug/L): -0.41

Mean Conc (ug/L): -0.35 SD: 0.090 RSD(%): 25.68
~~~~~~

Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.09

Replicate 2 Time: 13:48
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.54

Mean Conc (ug/L): -0.22 SD: 0.442 RSD(%): 198.63

~~~~~~

Pb ID: 9503G943-004R Seq. No.: 00037 A/S Pos.: 10 Date: 03/31/95

Replicate 1 Time: 13:51
Peak Area (A-s): 0.073 Peak Height (A): 0.167
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 19.31

Replicate 2 Time: 13:55
Peak Area (A-s): 0.080 Peak Height (A): 0.179
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 21.18

Mean Conc (ug/L): 20.25 101.2% SD: 1.322 RSD(%): 6.53

Recovery is 102.4%

~~~~~~

Pb ID: ACCV Seq. No.: 00038 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 13:58
Peak Area (A-s): 0.135 Peak Height (A): 0.250
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 36.31

Replicate 2 Time: 14:02
Peak Area (A-s): 0.136 Peak Height (A): 0.242
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 36.59

Mean Conc (ug/L): 36.45 SD: 0.195 RSD(%): 0.53 ✓

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB Seq. No.: 00039 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 14:05
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 (ug/L): -1.29
~~~~~~

Replicate 2 Time: 14:08
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.01

Mean Conc (ug/L): -1.15 SD: 0.201 RSD(%): 17.47

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G943-004S Seq. No.: 00040 A/S Pos.: 11 Date: 03/31/95

Replicate 1 Time: 14:11
Peak Area (A-s): 0.067 Peak Height (A): 0.162
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 17.54

Replicate 2 Time: 14:15
Peak Area (A-s): 0.067 Peak Height (A): 0.168
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 17.57

Mean Conc (ug/L): 17.55 87.8% SD: 0.020 RSD(%): 0.11

~~~~~~

Pb ID: 9503G943-004S Seq. No.: 00041 A/S Pos.: 11 Date: 03/31/95

Replicate 1 Time: 14:18
Peak Area (A-s): 0.138 Peak Height (A): 0.305
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 37.05

Replicate 2 Time: 14:21
Peak Area (A-s): 0.137 Peak Height (A): 0.323
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 36.80

Mean Conc (ug/L): 36.93 SD: 0.172 RSD(%): 0.47

Recovery is 96.9% ✓

~~~~~~

Pb ID: 9503G943-005 Seq. No.: 00042 A/S Pos.: 12 Date: 03/31/95

Replicate 1 Time: 14:25
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.15

Replicate 2 Time: 14:28
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.003
~~~~~~

Pb ID: 9503G943-007 Seq. No.: 00046 A/S Pos.: 14 Date: 03/31/95

Replicate 1 Time: 14:51
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.74

Replicate 2 Time: 14:55
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): 0.000
Concentration (ug/L): -0.58

Mean Conc (ug/L): -0.66 SD: 0.116 RSD(%): 17.62

Pb ID: 9503G943-007 Seq. No.: 00047 A/S Pos.: 14 Date: 03/31/95

Replicate 1 Time: 14:58
Peak Area (A-s): 0.079 Peak Height (A): 0.233
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 20.86

Replicate 2 Time: 15:01
Peak Area (A-s): 0.078 Peak Height (A): 0.243
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 20.58

Mean Conc (ug/L): 20.72 103.6% SD: 0.195 RSD(%): 0.94

Recovery is 106.9%

Pb ID: ACCV 5 Seq. No.: 00048 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 15:05
Peak Area (A-s): 0.137 Peak Height (A): 0.251
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 36.96

Replicate 2 Time: 15:08
Peak Area (A-s): 0.137 Peak Height (A): 0.246
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 36.85

Mean Conc (ug/L): 36.91 SD: 0.075 RSD(%): 0.20

QC sample is within range 31.50 - 38.50

Pb ID: CCB 5 Seq. No.: 00049 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 15:11

Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.71

Replicate 2 Time: 15:14
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.06

Mean Conc (ug/L): -0.89 SD: 0.252 RSD(%): 28.41

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G943-008 Seq. No.: 00050 A/S Pos.: 15 Date: 03/31/95

Replicate 1 Time: 15:18
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.67

Replicate 2 Time: 15:21
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.21

Mean Conc (ug/L): -0.44 SD: 0.323 RSD(%): 73.39

~~~~~~

Pb ID: 9503G943-008 Seq. No.: 00051 A/S Pos.: 15 Date: 03/31/95

Replicate 1 Time: 15:24
Peak Area (A-s): 0.086 Peak Height (A): 0.301
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 22.89

Replicate 2 Time: 15:28
Peak Area (A-s): 0.085 Peak Height (A): 0.289
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 22.59

Mean Conc (ug/L): 22.74 113.7% SD: 0.210 RSD(%): 0.92

Recovery is 115.9% (outside of specified limits)

~~~~~~

Pb ID: 9503G943-009 Seq. No.: 00052 A/S Pos.: 16 Date: 03/31/95

Replicate 1 Time: 15:31
Peak Area (A-s): 0.105 Peak Height (A): 0.303
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 28.01
~~~~~~

Mean Conc (ug/L): 23.38 116.9% SD: 0.502 RSD(%): 2.15

Recovery is 117.2% (outside of specified limits)

~~~~~~

Pb ID: 9503G943-012 Seq. No.: 00056 A/S Pos.: 18 Date: 03/31/95

Replicate 1 Time: 15:57
Peak Area (A-s): 0.005 Peak Height (A): 0.020
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.57

Replicate 2 Time: 16:01
Peak Area (A-s): 0.005 Peak Height (A): 0.014
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.52

Mean Conc (ug/L): 0.54 SD: 0.035 RSD(%): 6.48

~~~~~~

Pb ID: 9503G943-012 Seq. No.: 00057 A/S Pos.: 18 Date: 03/31/95

Replicate 1 Time: 16:04
Peak Area (A-s): 0.086 Peak Height (A): 0.284
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 22.73

Replicate 2 Time: 16:07
Peak Area (A-s): 0.085 Peak Height (A): 0.295
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 22.40

Mean Conc (ug/L): 22.57 112.8% SD: 0.231 RSD(%): 1.02

Recovery is 110.1%

~~~~~~

Pb ID: ACCV 6 Seq. No.: 00058 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 16:11
Peak Area (A-s): 0.138 Peak Height (A): 0.249
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 37.14

Replicate 2 Time: 16:14
Peak Area (A-s): 0.137 Peak Height (A): 0.229
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 36.82

Mean Conc (ug/L): 36.98 SD: 0.229 RSD(%): 0.62 ✓

QC sample is within range 31.50 - 38.50
~~~~~~

Pb ID: CCB Seq. No.: 00059 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 16:17
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.47

Replicate 2 Time: 16:20
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.92

Mean Conc (ug/L): -0.70 SD: 0.321 RSD(%): 46.13

QC sample is within range -3.00 - 2.00

Pb ID: 9503G943-013 Seq. No.: 00060 A/S Pos.: 19 Date: 03/31/95

Replicate 1 Time: 16:24
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.38

Replicate 2 Time: 16:27
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): 0.000
Concentration (ug/L): -0.64

Mean Conc (ug/L): -0.51 SD: 0.186 RSD(%): 36.72

Pb ID: 9503G943-013 Seq. No.: 00061 A/S Pos.: 19 Date: 03/31/95

Replicate 1 Time: 16:30
Peak Area (A-s): 0.079 Peak Height (A): 0.175
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 20.86

Replicate 2 Time: 16:34
Peak Area (A-s): 0.084 Peak Height (A): 0.203
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 22.28

Mean Conc (ug/L): 21.57 107.8% SD: 1.004 RSD(%): 4.65

Recovery is 110.4%

Pb ID: 9503G943-014 Seq. No.: 00062 A/S Pos.: 20 Date: 03/31/95

Replicate 1 Time: 16:40

Peak Area (A-s): 0.085 Peak Height (A): 0.184
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 22.54

Mean Conc (ug/L): 21.62 SD: 1.305 RSD(%): 6.03

Recovery is 109.3% 108.1%

~~~~~~

Pb ID: 9503G943-014S Seq. No.: 00067 A/S Pos.: 22 Date: 03/31/95

Replicate 1 Time: 17:06
Peak Area (A-s): 0.082 Peak Height (A): 0.179
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 21.56

Replicate 2 Time: 17:09
Peak Area (A-s): 0.081 Peak Height (A): 0.184
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 21.33

Mean Conc (ug/L): 21.45 107.2% SD: 0.165 RSD(%): 0.77

~~~~~~

Pb ID: 9503G943-014S Seq. No.: 00068 A/S Pos.: 22 Date: 03/31/95

Replicate 1 Time: 17:13
Peak Area (A-s): 0.159 Peak Height (A): 0.373
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 42.97

Replicate 2 Time: 17:16
Peak Area (A-s): 0.152 Peak Height (A): 0.358
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 41.03

Mean Conc (ug/L): 42.00 SD: 1.374 RSD(%): 3.27

Recovery is 102.8%

~~~~~~

Pb ID: ACCV Seq. No.: 00069 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 17:19
Peak Area (A-s): 0.138 Peak Height (A): 0.240
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 37.23

Replicate 2 Time: 17:23
Peak Area (A-s): 0.139 Peak Height (A): 0.248
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.138
Concentratic- (ug/L): 37.33
~~~~~~

Mean Conc (ug/L): 37.28 SD: 0.074 RSD(%): 0.20

QC sample is within range 31.50 - 38.50 ✓

~~~~~~

Pb ID: CCB Seq. No.: 00070 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 17:26
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.92

Replicate 2 Time: 17:29
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.80

Mean Conc (ug/L): -0.86 SD: 0.085 RSD(%): 9.88

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G943-016 Seq. No.: 00071 A/S Pos.: 23 Date: 03/31/95

Replicate 1 Time: 17:33
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.49

Replicate 2 Time: 17:36
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.36

Mean Conc (ug/L): -0.42 SD: 0.097 RSD(%): 22.80

~~~~~~

Pb ID: 9503G943-016 Seq. No.: 00072 A/S Pos.: 23 Date: 03/31/95

Replicate 1 Time: 17:39
Peak Area (A-s): 0.084 Peak Height (A): 0.260
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 22.15

Replicate 2 Time: 17:43
Peak Area (A-s): 0.083 Peak Height (A): 0.267
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.082
Concentration (ug/L): 21.99

Mean Conc (ug/L): 22.07 SD: 0.109 RSD(%): 0.49

Recovery is 112.5% 110.4% ✓
~~~~~~

Pb ID: 9503G943-017 Seq. No.: 00073 A/S Pos.: 24 Date: 03/31/95

Replicate 1 Time: 17:46
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.69

Replicate 2 Time: 17:49
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.74

Mean Conc (ug/L): -0.72 SD: 0.036 RSD(%): 5.08

Pb ID: 9503G943-017 Seq. No.: 00074 A/S Pos.: 24 Date: 03/31/95

Replicate 1 Time: 17:52
Peak Area (A-s): 0.081 Peak Height (A): 0.257
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 21.46

Replicate 2 Time: 17:56
Peak Area (A-s): 0.080 Peak Height (A): 0.252
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 21.19

Mean Conc (ug/L): 21.32 SD: 0.184 RSD(%): 0.86

Recovery is 110.2% 106.6%

Pb ID: 95GF735-MB1 Seq. No.: 00075 A/S Pos.: 25 Date: 03/31/95

Replicate 1 Time: 17:59
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.69

Replicate 2 Time: 18:02
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.68

Mean Conc (ug/L): -0.69 SD: 0.007 RSD(%): 1.00

Pb ID: 95GF735-MB1 Seq. No.: 00076 A/S Pos.: 25 Date: 03/31/95

Replicate 1 Time: 18:06
Peak Area (A-s): 0.084 Peak Height (A): 0.149
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.01

Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 22.33

Replicate 2 | Time: 18:09
Peak Area (A-s): 0.085 | Peak Height (A): 0.150
Background Pk Area (A-s): 0.005 | Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 22.40

Mean Conc (ug/L): 22.36 111.8% SD: 0.053 RSD(%): 0.24

Recovery is 115.2% (outside of specified limits)

~~~~~~

Pb ID: 95GF735-LC1 Seq. No.: 00077 A/S Pos.: 26 Date: 03/31/95

Replicate 1 | Time: 18:12
Peak Area (A-s): 0.078 | Peak Height (A): 0.153
Background Pk Area (A-s): 0.005 | Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 20.67

Replicate 2 | Time: 18:15
Peak Area (A-s): 0.076 | Peak Height (A): 0.154
Background Pk Area (A-s): 0.006 | Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 20.14

Mean Conc (ug/L): 20.40 102.0% SD: 0.372 RSD(%): 1.82

~~~~~~

Pb ID: 95GF735-LC1 Seq. No.: 00078 A/S Pos.: 26 Date: 03/31/95

Replicate 1 | Time: 18:19
Peak Area (A-s): 0.159 | Peak Height (A): 0.321
Background Pk Area (A-s): 0.016 | Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 42.99

Replicate 2 | Time: 18:22
Peak Area (A-s): 0.158 | Peak Height (A): 0.336
Background Pk Area (A-s): 0.016 | Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 42.62

Mean Conc (ug/L): 42.80 SD: 0.260 RSD(%): 0.61

Recovery is 112.0%

~~~~~~

Pb ID: ACCV 9 Seq. No.: 00079 A/S Pos.: 76 Date: 03/31/95

Replicate 1 | Time: 18:25
Peak Area (A-s): 0.137 | Peak Height (A): 0.251
Background Pk Area (A-s): 0.013 | Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 36.85

Replicate 2 | Time: 18:29
~~~~~~

Peak Area (A-s): 0.134 Peak Height (A): 0.243
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 36.04

Mean Conc (ug/L): 36.45 SD: 0.568 RSD(%): 1.56

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB 4 Seq. No.: 00080 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 18:32
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): 0.001
Concentration (ug/L): -0.53

Replicate 2 Time: 18:35
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.60

Mean Conc (ug/L): -0.56 SD: 0.054 RSD(%): 9.63

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G001-017 10 Seq. No.: 00081 A/S Pos.: 27 Date: 03/31/95

Replicate 1 Time: 18:38
Peak Area (A-s): 0.054 Peak Height (A): 0.145
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 14.11

Replicate 2 Time: 18:42
Peak Area (A-s): 0.055 Peak Height (A): 0.147
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 14.22

Mean Conc (ug/L): 14.16 SD: 0.073 RSD(%): 0.52

~~~~~~

Pb ID: 9503G001-017 10 Seq. No.: 00082 A/S Pos.: 27 Date: 03/31/95

Replicate 1 Time: 18:45
Peak Area (A-s): 0.138 Peak Height (A): 0.370
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 37.19

Replicate 2 Time: 18:48
Peak Area (A-s): 0.137 Peak Height (A): 0.361
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 36.91
~~~~~~

Mean Conc (ug/L): 37.05 SD: 0.195 RSD(%): 0.53

Recovery is 114.4%

~~~~~~

Pb ID: 9503G001-017R10 Seq. No.: 00083 A/S Pos.: 28 Date: 03/31/95

Replicate 1 Time: 18:52
Peak Area (A-s): 0.047 Peak Height (A): 0.126
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 12.11

Replicate 2 Time: 18:55
Peak Area (A-s): 0.048 Peak Height (A): 0.126
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 12.29

Mean Conc (ug/L): 12.20 SD: 0.128 RSD(%): 1.05

~~~~~~

Pb ID: 9503G001-017R10 Seq. No.: 00084 A/S Pos.: 28 Date: 03/31/95

Replicate 1 Time: 18:58
Peak Area (A-s): 0.129 Peak Height (A): 0.356
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 34.58

Replicate 2 Time: 19:02
Peak Area (A-s): 0.133 Peak Height (A): 0.336
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 35.64

Mean Conc (ug/L): 35.11 SD: 0.754 RSD(%): 2.15

Recovery is 114.6%

~~~~~~

Pb ID: 9503G001-017S10 Seq. No.: 00085 A/S Pos.: 29 Date: 03/31/95

Replicate 1 Time: 19:05
Peak Area (A-s): 0.068 Peak Height (A): 0.182
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 17.86

Replicate 2 Time: 19:08
Peak Area (A-s): 0.067 Peak Height (A): 0.167
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 17.70

Mean Conc (ug/L): 17.78 SD: 0.115 RSD(%): 0.65

181.0%

577
~~~~~~

Pb ID: 9503G001-017S10 Seq. No.: 00086 A/S Pos.: 29 Date: 03/31/95

Replicate 1 Time: 19:11
Peak Area (A-s): 0.151 Peak Height (A): 0.384
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 40.81

Replicate 2 Time: 19:15
Peak Area (A-s): 0.150 Peak Height (A): 0.418
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 40.48

Mean Conc (ug/L): 40.65 SD: 0.234 RSD(%): 0.58

Recovery is 114.3%

Pb ID: 9503G001-018 5X Seq. No.: 00087 A/S Pos.: 30 Date: 03/31/95

Replicate 1 Time: 19:18
Peak Area (A-s): 0.095 Peak Height (A): 0.231
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 25.15

Replicate 2 Time: 19:21
Peak Area (A-s): 0.094 Peak Height (A): 0.222
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 24.92

Mean Conc (ug/L): 25.04 SD: 0.164 RSD(%): 0.65

Pb ID: 9503G001-018 5X Seq. No.: 00088 A/S Pos.: 30 Date: 03/31/95

Replicate 1 Time: 19:25
Peak Area (A-s): 0.177 Peak Height (A): 0.466
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.176
Concentration (ug/L): 47.77

Replicate 2 Time: 19:28
Peak Area (A-s): 0.174 Peak Height (A): 0.478
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.173
Concentration (ug/L): 47.14

Mean Conc (ug/L): 47.46 SD: 0.448 RSD(%): 0.95

Recovery is 112.1%

Pb ID: ACCV9 Seq. No.: 00089 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 19:31

Peak Area (A-s): 0.138 Peak Height (A): 0.252
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.137
Concentration (ug/L): 37.13

Replicate 2 Time: 19:35
Peak Area (A-s): 0.138 Peak Height (A): 0.254
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 37.25

Mean Conc (ug/L): 37.19 SD: 0.088 RSD(%): 0.24

QC sample is within range 31.50 - 38.50 ✓

~~~~~~

Pb ID: CCB Seq. No.: 00090 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 19:38
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.65

Replicate 2 Time: 19:41
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): -0.001
Concentration (ug/L): -0.85

Mean Conc (ug/L): -0.75 SD: 0.147 RSD(%): 19.64

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G001-019 Seq. No.: 00091 A/S Pos.: 31 Date: 03/31/95

Replicate 1 Time: 19:44
Peak Area (A-s): 0.110 Peak Height (A): 0.309
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 29.29

Replicate 2 Time: 19:48
Peak Area (A-s): 0.110 Peak Height (A): 0.296
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 29.44 ✓

Mean Conc (ug/L): 29.36 SD: 0.107 RSD(%): 0.36

~~~~~~

Pb ID: 9503G001-019 Seq. No.: 00092 A/S Pos.: 31 Date: 03/31/95

Replicate 1 Time: 19:51
Peak Area (A-s): 0.187 Peak Height (A): 0.522
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.186
Concentration (ug/L): 50.66
~~~~~~

Replicate 2 Time: 19:54
Peak Area (A-s): 0.190 Peak Height (A): 0.477
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.190
Concentration (ug/L): 51.57

Mean Conc (ug/L): 51.11 SD: 0.647 RSD(%): 1.26

Recovery is 108.8%

~~~~~~

Pb ID: 9503G001-021 2X Seq. No.: 00093 A/S Pos.: 32 Date: 03/31/95

Replicate 1 Time: 19:58
Peak Area (A-s): 0.073 Peak Height (A): 0.180
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 19.27

Replicate 2 Time: 20:01
Peak Area (A-s): 0.072 Peak Height (A): 0.182
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 18.83

Mean Conc (ug/L): 19.05 SD: 0.315 RSD(%): 1.65

~~~~~~

Pb ID: 9503G001-021 2X Seq. No.: 00094 A/S Pos.: 32 Date: 03/31/95

Replicate 1 Time: 20:04
Peak Area (A-s): 0.156 Peak Height (A): 0.386
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 41.98

Replicate 2 Time: 20:08
Peak Area (A-s): 0.153 Peak Height (A): 0.408
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 41.16

Mean Conc (ug/L): 41.57 SD: 0.579 RSD(%): 1.39

Recovery is 112.6%

~~~~~~

Pb ID: 9503G001-022 Seq. No.: 00095 A/S Pos.: 33 Date: 03/31/95

Replicate 1 Time: 20:11
Peak Area (A-s): 0.088 Peak Height (A): 0.216
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 23.28

Replicate 2 Time: 20:14
Peak Area (A-s): 0.086 Peak Height (A): 0.213
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.086
~~~~~~

581

Concentration (ug/L): 22.89

Mean Conc (ug/L): 23.08 SD: 0.278 RSD(%): 1.20

~~~~~~

Pb ID: 9503G001-022 Seq. No.: 00096 A/S Pos.: 33 Date: 03/31/95

Replicate 1 Time: 20:17
Peak Area (A-s): 0.167 Peak Height (A): 0.388
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 45.13

Replicate 2 Time: 20:21
Peak Area (A-s): 0.169 Peak Height (A): 0.406
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.168
Concentration (ug/L): 45.71

Mean Conc (ug/L): 45.42 SD: 0.406 RSD(%): 0.89

Recovery is 111.7%

~~~~~~

Pb ID: 95GF739-MB1 Seq. No.: 00097 A/S Pos.: 34 Date: 03/31/95

Replicate 1 Time: 20:24
Peak Area (A-s): 0.002 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 (ug/L): -0.32

Replicate 2 Time: 20:27
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.19

Mean Conc (ug/L): -0.25 SD: 0.088 RSD(%): 34.50

~~~~~~

Pb ID: 95GF739-MB1 Seq. No.: 00098 A/S Pos.: 34 Date: 03/31/95

Replicate 1 Time: 20:31
Peak Area (A-s): 0.087 Peak Height (A): 0.204
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 22.96

Replicate 2 Time: 20:34
Peak Area (A-s): 0.086 Peak Height (A): 0.178
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 22.68

Mean Conc (ug/L): 22.82 114.1% SD: 0.196 RSD(%): 0.86

Recovery is 115.4% (outside of specified limits)
~~~~~~

Pb ID: ACCV 10 Seq. No.: 00099 A/S Pos.: 76 Date: 03/31/95

Replicate 1 Time: 20:37
Peak Area (A-s): 0.125 Peak Height (A): 0.252
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 33.45

Replicate 2 Time: 20:41
Peak Area (A-s): 0.124 Peak Height (A): 0.243
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.123
Concentration (ug/L): 33.22

Mean Conc (ug/L): 33.34 SD: 0.164 RSD(%): 0.49

QC sample is within range 31.50 - 38.50

Pb ID: CCB 10 Seq. No.: 00100 A/S Pos.: 77 Date: 03/31/95

Replicate 1 Time: 20:44
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.76

Replicate 2 Time: 20:47
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): 0.000
Concentration (ug/L): -0.63

Mean Conc (ug/L): -0.69 SD: 0.091 RSD(%): 13.19

QC sample is within range -3.00 - 2.00

Pb ID: 95GF739-LC1 Seq. No.: 00101 A/S Pos.: 35 Date: 03/31/95

Replicate 1 Time: 20:50
Peak Area (A-s): 0.074 Peak Height (A): 0.169
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 19.49

Replicate 2 Time: 20:54
Peak Area (A-s): 0.073 Peak Height (A): 0.146
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 19.20

Mean Conc (ug/L): 19.35 96.9% SD: 0.205 RSD(%): 1.06

Pb ID: 95GF739-LC1 Seq. No.: 00102 A/S Pos.: 35 Date: 03/31/95

Replicate 1 Time: 20:57

(2)

Run - B4 IDL = 1 ug/L *

WESTON Analytics AA7.1 Report

Data File:PB0405D1 Date collected: 95/04/05 Time:
Method File: Date of Report: Time:
Analyst: DAK Remarks:

	PB ppb				
AICV	25.21	MPBTO	1		09:56
ICB	-0.76	MPBTO	1		10:03
CRA	2.96	MPBTO	1		10:10
ACCV } 1	35.11	MPBTO	1		10:16
CCB	-0.95	MPBTO	1		10:23
• 9503G895-003	1.27	MPBTO	1	NONE	10:29
ACCV } 2	35.03	MPBTO	1		10:56
CCB	-0.53	MPBTO	1		11:03
ACCV } 3	35.56	MPBTO	1		11:34
CCB	-0.58	MPBTO	1		11:40
95GF744-MB1	-0.08	MPBTO	1	95GF744	11:47
ACCV } 4	34.80	MPBTO	1		12:17
CCB	-0.59	MPBTO	1		12:24
95GF744-LC1	20.25	MPBTO	1		12:30
95GF744-LC2	20.40	MPBTO	1		12:44
9503G053-001	14.19	MPBTO	200		12:57
ACCV } 5	36.27	MPBTO	1		13:11
CCB	-0.65	MPBTO	1		13:17
9503G053-001R	13.95	MPBTO	200		13:24
9503G053-001S	14.46	MPBTO	200		13:37
9503G053-005	30.64	MPBTO	1		13:50
95GF747-MB1	0.56	MPBTO	1	95GF747	14:04
ACCV } 6	35.74	MPBTO	1		14:17
CCB	-0.13	MPBTO	1		14:24
95GF747-LC1	20.74	MPBTO	1		14:30
95GF747-LC2	19.66	MPBTO	1		14:44
9504G078-001	2.54	MPBTO	1		14:57
9504G078-002	0.86	MPBTO	1		15:10
ACCV } 7	36.04	MPBTO	1		15:24
CCB	-0.67	MPBTO	1		15:30
9504G078-002R	0.39	MPBTO	1		15:37
9504G078-002S	20.71	MPBTO	1		15:50
ACCV } 8	36.07	MPBTO	1		16:30
CCB	-0.79	MPBTO	1		16:36
ACCV } 9	37.17	MPBTO	1		17:42
CCB	-0.41	MPBTO	1		17:49
• 9503G001-001S	36.28	MPBTO	1	95GF745	17:55
9503G055-022	7.12	MPBTO	4	95GF743	18:08
ACCV } 10	37.43	MPBTO	1		18:22
CCB	-0.76	MPBTO	1		18:28

* AA6 1.6
AA7 1.0
report higher of the 2

→ Analyzed for QC Purpose only
4/20/95

4/6/95

Debbie Kelly
4/6/95

4/6/95

OP No. 21-21G-1566

WESTON-Gulf Coast, Inc.
AA7 - PE4100ZL GFAA Sample Analysis Log

Page: 193

Element: Pb
Lamp: EDL Current: 400 Energy: 60

Filename: Pb040SC
Prep Batch:

AS-71

LOC			Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA	(ug/L)	3	5	10	10	5	0.5
72	STD 2	"	10	10	20	20	10	1.0
73	STD 3	"	30	20	30	30	20	2.0
74	STD 4	"	50	40	50	50	40	4.0
75	STD 5	"	70	50	70	70	50	5.0
76	ICV/CCV	"	35	25	35	35	25	2.5
77	ICB/CCB	"	0	0	0	0	0	0
78	Modifier							
79	_____							
80	Diluent							
0	Spike Solution	"	40	20	40	40	10	2.0

QC: (a.) Standard (b.)
c. Other: _____

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	9503G895-003				(IOL
2	-003		✓		
3	95GF744-MB1		✓		(Std Soils)
4	-LC1				
5	-LC2				
6	9503G053-001 (200x)				
7	-001R (200x)				QC only
8	-001S (200x)				
9	~~-002~~ -005				
10	95GF747-MB1				(Std H2O's)
11	-LC1				
12	-LC2				
13	9504G078-001				
14	-002				
15	-002R				
16	-002S				
17	95GF749-MB1		✓		(Std H2O's)
18	-LC1				
19	-LC2		✓		
20	9504G107-002				
21	9503G001-001	50x	✓		(F745
22	-001R				
23	-001S				
24	9503G055-022 (4x)				(F743
25					
26					
27					
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	QC / Sample ID	Dil.	Rerun	MSA	Pr Ba
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Analyst: Debbie Kelly Date: 4/5/95

Reviewer: Don Kelly Date: 4/10/95

Element File: PBCLP080.GEL
Element: Pb Analyst: BH/DAK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
STANDARDS 1276-71-8 IDL= 1.0
ICV,CCV'S 1276-72-1
MODIFIER--PD(NO3)2E + MAGNESIUM NITRATE
EDL#759 , HOLLOW CATHODE# 0560969T
ANALYST DEBBIE KELLY / BRIAN HAMENDE

INSTRUMENT: 4100 ZL Technique: HGA Version: 7.30
Wavelength: 283.3 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 5.0 Read Delay: 0.0 BOC Time: 2
Sample Replicates: 2 if (= 70.00 ug/L, 2 if) 70.00 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	15	4	
Standard 1	S3	3.00	71	20	15	4	
Standard 2	S10	10.00	72	20	15	4	
Standard 3	S30	30.00	73	20	15	4	
Standard 4	S50	50.00	74	20	15	4	
Standard 5	S70	70.00	75	20	15	4	
Samples				20	15	4	

Diluent Location: 80
Modifier #1 Location: 78 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	120	7	30	250		Norm
2	230	20	20	250		Norm
3	300	5	15	250		Norm
4	500	4	10	250		Norm
5	1900	0	5	0	*	Norm
6	2400	1	10	250		Norm
7	20	1	5	250		Norm

Injection Temp: 120 Pipette Speed: 100% Extraction System: On

---

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 3.0 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits: 85.0 to 115.0

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.50	27.50	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA			X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	2.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: PBCLP080.GEL Element: Pb Wavelength: 283.3
Date: 04/05/95 Time: 09:11 Slit: 0.70 L
Data File: PB0405C1.DAT ID/Wt File: PB040501.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 60
Remark 1: STANDARDS 1276-71-8 IDL= 1.0
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER--PD(NO3)2E + MAGNESIUM NITRATE
Remark 4: EDL#759 , HOLLOW CATHODE# 0560969T
Remark 5: ANALYST DEBBIE KELLY / BRIAN HAMENDE

Debbie Kelly

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 09:14
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.010 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.76

Replicate 2 Time: 09:17
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.55

Mean Conc (ug/L): -0.66 SD: 0.148 RSD(%): 22.50

Auto-zero performed.

Pb ID: S3 Seq. No.: 00002 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 09:21
Peak Area (A-s): 0.015 Peak Height (A): 0.024
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 2.73

Replicate 2 Time: 09:24
Peak Area (A-s): 0.016 Peak Height (A): 0.026
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 2.86

Mean Conc (ug/L): 2.79 SD: 0.088 RSD(%): 3.15

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0051 Int: 0.000

Pb ID: S10 Seq. No.: 00003 A/S Pos.: 72 Date: 04/05/95

Replicate 1 Time: 09:27
Peak Area (A-s): 0.054 Peak Height (A): 0.078
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 10.54

Replicate 2 — Time: 09:30
Peak Area (A-s): 0.050 — Peak Height (A): 0.073
Background Pk Area (A-s): -0.001 — Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 9.78

Mean Conc (ug/L): 10.16 SD: 0.531 RSD(%): 5.23

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99999 Slope: 0.0052 Int: -0.000

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Pb ID: S30 Seq. No.: 00004 A/S Pos.: 73 Date: 04/05/95

Replicate 1 — Time: 09:34
Peak Area (A-s): 0.142 — Peak Height (A): 0.217
Background Pk Area (A-s): 0.014 — Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.142
Concentration (ug/L): 27.40

Replicate 2 — Time: 09:37
Peak Area (A-s): 0.140 — Peak Height (A): 0.212
Background Pk Area (A-s): 0.011 — Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.140
Concentration (ug/L): 26.91

Mean Conc (ug/L): 27.15 SD: 0.343 RSD(%): 1.26

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99934 Slope: 0.0047 Int: 0.002

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Pb ID: S50 Seq. No.: 00005 A/S Pos.: 74 Date: 04/05/95

Replicate 1 — Time: 09:40
Peak Area (A-s): 0.231 — Peak Height (A): 0.404
Background Pk Area (A-s): 0.027 — Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.231
Concentration (ug/L): 49.00

Replicate 2 — Time: 09:43
Peak Area (A-s): 0.231 — Peak Height (A): 0.407
Background Pk Area (A-s): 0.026 — Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.230
Concentration (ug/L): 48.91

Mean Conc (ug/L): 48.95 SD: 0.069 RSD(%): 0.14

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99971 Slope: 0.0046 Int: 0.002

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Pb ID: S70 Seq. No.: 00006 A/S Pos.: 75 Date: 04/05/95

Replicate 1 — Time: 09:47
Peak Area (A-s): 0.317 — Peak Height (A): 0.600
Background Pk Area (A-s): 0.038 — Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.317
Concentration (ug/L): 68.60
~~~~~~

589

Replicate 2 Time: 09:50
Peak Area (A-s): 0.318 Peak Height (A): 0.623
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.317
Concentration (ug/L): 68.74

Mean Conc (ug/L): 68.67 SD: 0.094 RSD(%): 0.14

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99978 Slope: 0.0045 Int: 0.003

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Pb ID: AICV Seq. No.: 00007 A/S Pos.: 79 Date: 04/05/95

Replicate 1 Time: 09:53
Peak Area (A-s): 0.116 Peak Height (A): 0.171
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.116
Concentration (ug/L): 24.87

Replicate 2 Time: 09:56
Peak Area (A-s): 0.119 Peak Height (A): 0.165
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 25.55

Mean Conc (ug/L): 25.21 SD: 0.474 RSD(%): 1.88 ✓

QC sample is within range 22.50 - 27.50

~~~~~~

Pb ID: ICB Seq. No.: 00008 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 10:00
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.55

Replicate 2 Time: 10:03
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.96

Mean Conc (ug/L): -0.76 SD: 0.291 RSD(%): 38.32

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: CRA Seq. No.: 00009 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 10:06
Peak Area (A-s): 0.017 Peak Height (A): 0.025
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 2.91

Replicate 2 Time: 10:10
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Peak Area (A-s): 0.017 | Peak Height (A): 0.024
Background Pk Area (A-s): -0.001 | Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 3.00

Mean Conc (ug/L): 2.96 | SD: 0.060 | RSD(%): 2.04

QC sample is within range

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Pb ID: ACCV Seq. No.: 00010 A/S Pos.: 76 Date: 04/05/95

Replicate 1 | Time: 10:13
Peak Area (A-s): 0.162 | Peak Height (A): 0.232
Background Pk Area (A-s): 0.017 | Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 35.16

Replicate 2 | Time: 10:16
Peak Area (A-s): 0.162 | Peak Height (A): 0.250
Background Pk Area (A-s): 0.018 | Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 35.07

Mean Conc (ug/L): 35.11 | SD: 0.064 | RSD(%): 0.18

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB Seq. No.: 00011 A/S Pos.: 77 Date: 04/05/95

Replicate 1 | Time: 10:19
Peak Area (A-s): -0.001 | 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 (ug/L): -0.91

Replicate 2 | Time: 10:23
Peak Area (A-s): -0.001 | Peak Height (A): 0.005
Background Pk Area (A-s): -0.004 | Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.99

Mean Conc (ug/L): -0.95 | SD: 0.053 | RSD(%): 5.55

QC sample is within range -3.00 - 2.00

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Pb ID: 9503G895-003 Seq. No.: 00012 A/S Pos.: 1 Date: 04/05/95

(IOL)

Replicate 1 | Time: 10:26
Peak Area (A-s): 0.050 | Peak Height (A): 0.087
Background Pk Area (A-s): 0.004 | Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 10.37

Reported 4/5/95

Replicate 2 | Time: 10:29
Peak Area (A-s): 0.051 | Peak Height (A): 0.080
Background Pk Area (A-s): 0.003 | Background Pk Height (A): 0.0
~~~~~~

IDL

Pb ID: ACCV Seq. No.: 00016 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 10:53
Peak Area (A-s): 0.161 Peak Height (A): 0.237
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 34.75

Replicate 2 Time: 10:56
Peak Area (A-s): 0.163 Peak Height (A): 0.246
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 35.32

Mean Conc (ug/L): 35.03 SD: 0.407 RSD(%): 1.16

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00017 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 10:59
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.59

Replicate 2 Time: 11:03
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.47

Mean Conc (ug/L): -0.53 SD: 0.087 RSD(%): 16.54

QC sample is within range -3.00 - 2.00

Pb ID: 95GF744-MB1 Seq. No.: 00019 A/S Pos.: 3 Date: 04/05/95

Replicate 1 Time: 11:15
Peak Area (A-s): 0.020 Peak Height (A): 0.032
Background Pk Area (A-s): 0.112 Background Pk Height (A): 0.206
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 3.58

Replicate 2 Time: 11:18
Peak Area (A-s): 0.021 Peak Height (A): 0.037
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.246
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 3.81

Mean Conc (ug/L): 3.70 SD: 0.161 RSD(%): 4.36

Pb ID: 95GF744-MB1 Seq. No.: 00020 A/S Pos.: 3 Date: 04/05/95

Replicate Time: 11:22

DAK 11/5/95

592

Peak Area (A-s): 0.060 | Peak Height (A): 0.098
Background Pk Area (A-s): 0.137 | Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 12.56

Replicate 2 | Time: 11:25
Peak Area (A-s): 0.070 | Peak Height (A): 0.110
Background Pk Area (A-s): 0.113 | Background Pk Height (A): 0.220
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 14.60

Mean Conc (ug/L): 13.58 SD: 1.446 RSD(%): 10.65

Recovery is 49.4% (outside of specified limits)

~~~~~~

Pb ID: ACCV Seq. No.: 00023 A/S Pos.: 76 Date: 04/05/95

Replicate 1 | Time: 11:30
Peak Area (A-s): 0.162 | Peak Height (A): 0.279
Background Pk Area (A-s): 0.019 | Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 34.99

Replicate 2 | Time: 11:34
Peak Area (A-s): 0.167 | Peak Height (A): 0.253
Background Pk Area (A-s): 0.018 | Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 36.13

Mean Conc (ug/L): 35.56 SD: 0.802 RSD(%): 2.26 ✓

~~~~~~

Pb ID: CCB Seq. No.: 00024 A/S Pos.: 77 Date: 04/05/95

Replicate 1 | Time: 11:37
Peak Area (A-s): 0.001 | Peak Height (A): 0.006
Background Pk Area (A-s): -0.005 | Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.64

Replicate 2 | Time: 11:40
Peak Area (A-s): 0.001 | Peak Height (A): 0.006
Background Pk Area (A-s): -0.003 | Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.51

Mean Conc (ug/L): -0.58 SD: 0.087 RSD(%): 15.05

~~~~~~

Pb ID: 95GF744-MB1 Seq. No.: 00025 A/S Pos.: 3 Date: 04/05/95

Replicate 1 | Time: 11:43
Peak Area (A-s): 0.005 | Peak Height (A): 0.010
Background Pk Area (A-s): -0.002 | Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.30

Replicate 2 | Time: 11:47
~~~~~~

Recovery is 109.0%

~~~~~~

Pb ID: ACCV Seq. No.: 00032 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 12:14
Peak Area (A-s): 0.162 Peak Height (A): 0.245
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 35.05

Replicate 2 Time: 12:17
Peak Area (A-s): 0.160 Peak Height (A): 0.238
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 34.54

Mean Conc (ug/L): 34.80 SD: 0.362 RSD(%): 1.04

~~~~~~

Pb ID: CCB Seq. No.: 00033 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 12:21
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.95

Replicate 2 Time: 12:24
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.23

Mean Conc (ug/L): -0.59 SD: 0.515 RSD(%): 87.29

~~~~~~

Pb ID: 95GF744-LC1 Seq. No.: 00034 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 12:27
Peak Area (A-s): 0.095 Peak Height (A): 0.166
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 20.18

Replicate 2 Time: 12:30
Peak Area (A-s): 0.095 Peak Height (A): 0.167
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 20.32

Mean Conc (ug/L): 20.25 101.2% SD: 0.097 RSD(%): 0.48

~~~~~~

Pb ID: 95GF744-LC1 Seq. No.: 00035 A/S Pos.: 4 Date: 04/05/95

Replicate 1 Time: 12:34
Peak Area (A-s): 0.191 Peak Height (A): 0.395
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.0

Peak Area (A-s): 0.067 Peak Height (A): 0.137
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 14.01

Mean Conc (ug/L): 14.19 SD: 0.252 RSD(%): 1.77

~~~~~~

Pb ID: 9503G053-001 2C Seq. No.: 00039 A/S Pos.: 6 Date: 04/05/95

Replicate 1 Time: 13:01
Peak Area (A-s): 0.165 Peak Height (A): 0.331
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 35.74

Replicate 2 Time: 13:04
Peak Area (A-s): 0.163 Peak Height (A): 0.325
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 35.38

Mean Conc (ug/L): 35.56 SD: 0.259 RSD(%): 0.73

Recovery is 106.9% ✓

~~~~~~

Pb ID: ACCV5 Seq. No.: 00040 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 13:07
Peak Area (A-s): 0.168 Peak Height (A): 0.252
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.168
Concentration (ug/L): 36.48

Replicate 2 Time: 13:11
Peak Area (A-s): 0.166 Peak Height (A): 0.248
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 36.06

Mean Conc (ug/L): 36.27 SD: 0.299 RSD(%): 0.82 ✓

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB 5 Seq. No.: 00041 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 13:14
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.40

Replicate 2 Time: 13:17
Peak Area (A-s): -0.000 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
Concentrati (ug/L): -0.89
~~~~~~

Mean Conc (ug/L): -0.65 SD: 0.353 RSD(%): 54.70

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G053-001R2C Seq. No.: 00042 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 13:20
Peak Area (A-s): 0.067 Peak Height (A): 0.156
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 14.00

Replicate 2 Time: 13:24
Peak Area (A-s): 0.066 Peak Height (A): 0.154
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 13.91

Mean Conc (ug/L): 13.95 SD: 0.070 RSD(%): 0.50

~~~~~~

Pb ID: 9503G053-001R2C Seq. No.: 00043 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 13:27
Peak Area (A-s): 0.169 Peak Height (A): 0.385
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.169
Concentration (ug/L): 36.66

Replicate 2 Time: 13:30
Peak Area (A-s): 0.167 Peak Height (A): 0.372
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 36.08

Mean Conc (ug/L): 36.37 SD: 0.406 RSD(%): 1.12

Recovery is 112.1% ✓

~~~~~~

Pb ID: 9503G053-001S2C Seq. No.: 00044 A/S Pos.: 8 Date: 04/05/95

Replicate 1 Time: 13:34
Peak Area (A-s): 0.069 Peak Height (A): 0.155
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L): 14.40

Replicate 2 Time: 13:37
Peak Area (A-s): 0.069 Peak Height (A): 0.147
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 14.53

Mean Conc (ug/L): 14.46 SD: 0.095 RSD(%): 0.65
~~~~~~

Peak Area (A-s): 0.009 Peak Height (A): 0.013
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.21

Replicate 2 Time: 14:04
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.09

Mean Conc (ug/L): 0.56 SD: 0.924 RSD(%): 165.24

~~~~~~

Pb ID: 95GF747-MB1 Seq. No.: 00049 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 14:07
Peak Area (A-s): 0.109 Peak Height (A): 0.232
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 23.28

Replicate 2 Time: 14:10
Peak Area (A-s): 0.106 Peak Height (A): 0.203
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 22.70

Mean Conc (ug/L): 22.99 115.0% SD: 0.410 RSD(%): 1.78

Recovery is 112.2%

~~~~~~

Pb ID: ACCV Seq. No.: 00050 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 14:14
Peak Area (A-s): 0.166 Peak Height (A): 0.256
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 35.92

Replicate 2 Time: 14:17
Peak Area (A-s): 0.164 Peak Height (A): 0.254
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 35.56

Mean Conc (ug/L): 35.74 SD: 0.255 RSD(%): 0.71 ✓

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB Seq. No.: 00051 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 14:20
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
Concentrati (ug/L): -0.07
~~~~~~

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Replicate  2                                Time: 14:24
Peak Area (A-s): 0.003                      Peak Height (A): 0.006
Background Pk Area (A-s): -0.003            Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L  ): -0.20

Mean Conc  (ug/L  ):      -0.13        SD: 0.092              RSD(%): 67.99

QC sample is within range -3.00 - 2.00

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pb    ID: 95GF747-LC1        Seq. No.: 00052    A/S Pos.: 11    Date: 04/05/95

Replicate  1                                Time: 14:27
Peak Area (A-s): 0.098                      Peak Height (A): 0.207
Background Pk Area (A-s): 0.010             Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L  ): 20.90

Replicate  2                                Time: 14:30
Peak Area (A-s): 0.097                      Peak Height (A): 0.191
Background Pk Area (A-s): 0.010             Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L  ): 20.58

Mean Conc  (ug/L  ):      20.74  103.7%     SD: 0.228              RSD(%): 1.10
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pb    ID: 95GF747-LC1        Seq. No.: 00053    A/S Pos.: 11    Date: 04/05/95

Replicate  1                                Time: 14:34
Peak Area (A-s): 0.196                      Peak Height (A): 0.441
Background Pk Area (A-s): 0.025             Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.195
Concentration (ug/L  ): 42.52

Replicate  2                                Time: 14:37
Peak Area (A-s): 0.196                      Peak Height (A): 0.438
Background Pk Area (A-s): 0.024             Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.196
Concentration (ug/L  ): 42.64

Mean Conc  (ug/L  ):      42.58        SD: 0.091              RSD(%): 0.21

Recovery is 109.2% ✓
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pb    ID: 95GF747-LC2        Seq. No.: 00054    A/S Pos.: 12    Date: 04/05/95

Replicate  1                                Time: 14:40
Peak Area (A-s): 0.093                      Peak Height (A): 0.199
Background Pk Area (A-s): 0.009             Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L  ): 19.77

Replicate  2                                Time: 14:44
Peak Area (A-s): 0.092                      Peak Height (A): 0.193
Background Pk Area (A-s): 0.012             Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.091
```

Pb ID: 9504G078-002 Seq. No.: 00058 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 15:07
Peak Area (A-s): 0.008 Peak Height (A): 0.017
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.90

Replicate 2 Time: 15:10
Peak Area (A-s): 0.007 Peak Height (A): 0.015
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.82

Mean Conc (ug/L): 0.86 SD: 0.059 RSD(%): 6.84

Pb ID: 9504G078-002 Seq. No.: 00059 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 15:14
Peak Area (A-s): 0.103 Peak Height (A): 0.202
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 22.01

Replicate 2 Time: 15:17
Peak Area (A-s): 0.106 Peak Height (A): 0.207
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.60

Mean Conc (ug/L): 22.31 111.6% SD: 0.415 RSD(%): 1.86

Recovery is 107.2%

Pb ID: ACCV Seq. No.: 00060 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 15:20
Peak Area (A-s): 0.166 Peak Height (A): 0.264
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 35.96

Replicate 2 Time: 15:24
Peak Area (A-s): 0.167 Peak Height (A): 0.253
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 36.13

Mean Conc (ug/L): 36.04 SD: 0.120 RSD(%): 0.33

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00061 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 15:27

Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.53

Replicate 2 Time: 15:30
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.82

Mean Conc (ug/L): -0.67 SD: 0.204 RSD(%): 30.22

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9504G078-002R Seq. No.: 00062 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 15:33
Peak Area (A-s): 0.006 Peak Height (A): 0.011
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.53

Replicate 2 Time: 15:37
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.24

Mean Conc (ug/L): 0.39 SD: 0.204 RSD(%): 52.86

~~~~~~

Pb ID: 9504G078-002R Seq. No.: 00063 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 15:40
Peak Area (A-s): 0.104 Peak Height (A): 0.202
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 22.30

Replicate 2 Time: 15:43
Peak Area (A-s): 0.105 Peak Height (A): 0.205
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.50

Mean Conc (ug/L): 22.40 112.0% SD: 0.137 RSD(%): 0.61

Recovery is 110.1%

~~~~~~

Pb ID: 9504G078-002S Seq. No.: 00065 A/S Pos.: 16 Date: 04/05/95

Replicate 1 Time: 15:47
Peak Area (A-s): 0.097 Peak Height (A): 0.181
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 20.77
~~~~~~

Mean Conc (ug/L): 32.18 SD: 0.582 RSD(%): 1.81

Recovery is 106.1%

~~~~~~

Pb ID: 95GF749-LC1 Seq. No.: 00069 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 16:13
Peak Area (A-s): 0.088 Peak Height (A): 0.190
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 18.72

Replicate 2 Time: 16:16
Peak Area (A-s): 0.085 Peak Height (A): 0.177
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 17.94

Mean Conc (ug/L): 18.33 91.6% SD: 0.551 RSD(%): 3.00

~~~~~~

Pb ID: 95GF749-LC1 Seq. No.: 00070 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 16:20
Peak Area (A-s): 0.201 Peak Height (A): 0.394
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.201
Concentration (ug/L): 43.77

Cancelled JAK 4/6/95

Replicate 2 Time: 16:23
Peak Area (A-s): 0.201 Peak Height (A): 0.398
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.201
Concentration (ug/L): 43.79

Mean Conc (ug/L): 43.78 SD: 0.020 RSD(%): 0.05

Recovery is 127.2% (outside of specified limits)

~~~~~~

Pb ID: ACCV Seq. No.: 00071 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 16:26
Peak Area (A-s): 0.168 Peak Height (A): 0.257
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.167
Concentration (ug/L): 36.32

Replicate 2 Time: 16:30
Peak Area (A-s): 0.165 Peak Height (A): 0.248
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.165
Concentration (ug/L): 35.82

Mean Conc (ug/L): 36.07 SD: 0.352 RSD(%): 0.97

QC sample is within range 31.50 - 38.50
~~~~~~

Pb ID: CCB 4 Seq. No.: 00072 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 16:33
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.69

Replicate 2 Time: 16:36
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.89

Mean Conc (ug/L): -0.79 SD: 0.139 RSD(%): 17.58

QC sample is within range -3.00 - 2.00

Pb ID: 95GF749-LC2 Seq. No.: 00073 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 16:39
Peak Area (A-s): 0.074 Peak Height (A): 0.144
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 15.58

Rerun PFK 4/5/95

Replicate 2 Time: 16:43
Peak Area (A-s): 0.073 Peak Height (A): 0.136
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 15.35

Mean Conc (ug/L): 15.46 77.3% SD: 0.158 RSD(%): 1.02

Pb ID: 95GF749-LC2 Seq. No.: 00074 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 16:46
Peak Area (A-s): 0.184 Peak Height (A): 0.335
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.183
Concentration (ug/L): 39.81

Replicate 2 Time: 16:49
Peak Area (A-s): 0.183 Peak Height (A): 0.350
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.183
Concentration (ug/L): 39.73

Mean Conc (ug/L): 39.82 SD: 0.129 RSD(%): 0.32

Recovery is 121.8% (outside of specified limits)

Pb ID: 9504G107-002 Seq. No.: 00075 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 16:53

Peak Area (A-s): 0.076 Peak Height (A): 0.132
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 15.99

Replicate 2 Time: 16:56
Peak Area (A-s): 0.081 Peak Height (A): 0.134
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 17.06

Mean Conc (ug/L): 16.52 SD: 0.754 RSD(%): 4.56

~~~~~~

Pb ID: 9504G107-002 Seq. No.: 00076 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 16:59
Peak Area (A-s): 0.172 Peak Height (A): 0.344
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 37.26

Replicate 2 Time: 17:03
Peak Area (A-s): 0.171 Peak Height (A): 0.348
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 37.06

Mean Conc (ug/L): 37.16 SD: 0.142 RSD(%): 0.38

Recovery is 103.2%

Cancelled JAK 4/6/95

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Pb ID: 9503G001-001 Seq. No.: 00077 A/S Pos.: 21 Date: 04/05/95

The background signal is changing during BOC measurement.
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 17:06
Peak Area (A-s): 1.513 Peak Height (A): 2.701
Background Pk Area (A-s): 0.973 Background Pk Height (A): 1.022
Blank Corrected Pk Area (A-s): 1.512
Concentration (ug/L): 334.07

Auto Rerun PFK 4/5/95

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 17:09
Peak Area (A-s): 1.494 Peak Height (A): 2.755
Background Pk Area (A-s): 1.565 Background Pk Height (A): 1.573
Blank Corrected Pk Area (A-s): 1.494
Concentration (ug/L): 329.92

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 331.99 SD: 2.935 RSD(%): 0.88

~~~~~~

Pb ID: 9503G001-001 -5X Seq. No.: 00078 A/S Pos.: 21 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 17:12
Peak Area (A-s): 0.509 Peak Height (A): 0.879

Rerun 50X PFK 4/5/95
~~~~~~

603

Background Pk Area (A-s): 0.669   Background Pk Height (A): 0.386
Blank Corrected Pk Area (A-s): 0.508
Concentration (ug/L): 111.83   Corrected Conc (ug/L): 559.1

Sample abs. is greater than that of the largest standard.
Replicate 2   Time: 17:16
Peak Area (A-s): 0.519   Peak Height (A): 1.069
Background Pk Area (A-s): 0.572   Background Pk Height (A): 0.319
Blank Corrected Pk Area (A-s): 0.519
Concentration (ug/L): 114.18   Corrected Conc (ug/L): 570.9

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 113.01   SD: 1.666   RSD(%): 1.47
Corrected Conc (ug/L): 565.0

~~~~~~

Pb   ID: 9503G001-001 .5X   Seq. No.: 00079   A/S Pos.: 21   Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1   Time: 17:19
Peak Area (A-s): 0.659   Peak Height (A): 1.316
Background Pk Area (A-s): 0.346   Background Pk Height (A): 0.266
Blank Corrected Pk Area (A-s): 0.658
Concentration (ug/L): 144.97   Corrected Conc (ug/L): 724.9

Sample abs. is greater than that of the largest standard.
Replicate 2   Time: 17:22
Peak Area (A-s): 0.659   Peak Height (A): 1.261
Background Pk Area (A-s): 0.361   Background Pk Height (A): 0.268
Blank Corrected Pk Area (A-s): 0.659
Concentration (ug/L): 145.07   Corrected Conc (ug/L): 725.3

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 145.02   SD: 0.065   RSD(%): 0.05
Corrected Conc (ug/L): 725.1

Recovery is 160.1% (outside of specified limits)

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Pb   ID: 9503G001-001R   Seq. No.: 00080   A/S Pos.: 22   Date: 04/05/95

Replicate 1   Time: 17:26
Peak Area (A-s): 0.258   Peak Height (A): 0.532
Background Pk Area (A-s): 1.600   Background Pk Height (A): 1.622
Blank Corrected Pk Area (A-s): 0.258
Concentration (ug/L): 56.39

Replicate 2   Time: 17:29
Peak Area (A-s): 0.260   Peak Height (A): 0.516
Background Pk Area (A-s): 1.424   Background Pk Height (A): 1.680
Blank Corrected Pk Area (A-s): 0.260
Concentration (ug/L): 56.75

Mean Conc (ug/L): 56.57   SD: 0.256   RSD(%): 0.45

~~~~~~

Pb   ID: 9503G001-001R   Seq. No.: 00081 (5x)   A/S Pos.: 22   Date: 04/05/95

Sample abs. is greater than that of the largest standard.
~~~~~~

Kerr JAK 4/10

Replicate 1 Time: 17:32
Peak Area (A-s): 0.371 Peak Height (A): 0.757
Background Pk Area (A-s): 1.132 Background Pk Height (A): 1.479
Blank Corrected Pk Area (A-s): 0.371
Concentration (ug/L): 81.37

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 17:36
Peak Area (A-s): 0.372 Peak Height (A): 0.760
Background Pk Area (A-s): 1.026 Background Pk Height (A): 1.422
Blank Corrected Pk Area (A-s): 0.372
Concentration (ug/L): 81.66

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 81.51 SD: 0.205 RSD(%): 0.25

Recovery is 124.7% (outside of specified limits)

~~~~~~

Pb ID: ACCV Seq. No.: 00082 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 17:39
Peak Area (A-s): 0.173 Peak Height (A): 0.367
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 37.46

Replicate 2 Time: 17:42
Peak Area (A-s): 0.170 Peak Height (A): 0.301
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.170
Concentration (ug/L): 36.88

Mean Conc (ug/L): 37.17 SD: 0.406 RSD(%): 1.09

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB Seq. No.: 00083 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 17:45
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.07

Replicate 2 Time: 17:49
Peak Area (A-s): -0.000 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 (ug/L): -0.90

Mean Conc (ug/L): -0.41 SD: 0.689 RSD(%): 166.42

QC sample is within range -3.00 - 2.00

~~~~~~

Pb ID: 9503G001-001S Seq. No.: 00084 A/S Pos.: 23 Date: 04/05/95
~~~~~~

Replicate 1 Time: 17:52
Peak Area (A-s): 0.168 Peak Height (A): 0.385
Background Pk Area (A-s): 1.229 Background Pk Height (A): 1.831
Blank Corrected Pk Area (A-s): 0.168
Concentration (ug/L): 36.41

Replicate 2 Time: 17:55
Peak Area (A-s): 0.167 Peak Height (A): 0.374
Background Pk Area (A-s): 1.326 Background Pk Height (A): 1.808
Blank Corrected Pk Area (A-s): 0.167
Concentration (ug/L): 36.15

Mean Conc (ug/L): 36.28 SD: 0.179 RSD(%): 0.49

~~~~~~

Pb ID: 9503G001-001S Seq. No.: 00085 A/S Pos.: 23 Date: 04/05/95

Replicate 1 Time: 17:59
Peak Area (A-s): 0.267 Peak Height (A): 0.550
Background Pk Area (A-s): 1.016 Background Pk Height (A): 1.356
Blank Corrected Pk Area (A-s): 0.267
Concentration (ug/L): 58.32

Replicate 2 Time: 18:02
Peak Area (A-s): 0.266 Peak Height (A): 0.546
Background Pk Area (A-s): 1.028 Background Pk Height (A): 1.447
Blank Corrected Pk Area (A-s): 0.265
Concentration (ug/L): 58.02

Mean Conc (ug/L): 58.17 SD: 0.211 RSD(%): 0.36

Recovery is 109.5% ✓

~~~~~~

Pb ID: 9503G055-022 4X Seq. No.: 00086 A/S Pos.: 24 Date: 04/05/95

Replicate 1 Time: 18:05
Peak Area (A-s): 0.036 Peak Height (A): 0.090
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 7.17

Replicate 2 Time: 18:08
Peak Area (A-s): 0.035 Peak Height (A): 0.092
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 7.06

Mean Conc (ug/L): 7.12 "W" SD: 0.077 RSD(%): 1.08

~~~~~~

Pb ID: 9503G055-022 4X Seq. No.: 00087 A/S Pos.: 24 Date: 04/05/95

Replicate 1 Time: 18:12
Peak Area (A-s): 0.138 Peak Height (A): 0.380
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 29.77
~~~~~~

Replicate 2
Peak Area (A-s): 0.148
Background Pk Area (A-s): 0.030
Blank Corrected Pk Area (A-s): 0.148
Concentration (ug/L): 32.00

Time: 18:15
Peak Height (A): 0.413
Background Pk Height (A): 0.066

Mean Conc (ug/L): 30.89 SD: 1.583 RSD(%): 5.13

Recovery is 118.8% (outside of specified limits)

~~~~~~

Pb ID: ACCV 10 Seq. No.: 00088 A/S Pos.: 76 Date: 04/05/95

Replicate 1
Peak Area (A-s): 0.170
Background Pk Area (A-s): 0.021
Blank Corrected Pk Area (A-s): 0.169
Concentration (ug/L): 36.77

Time: 18:18
Peak Height (A): 0.329
Background Pk Height (A): 0.046

Replicate 2
Peak Area (A-s): 0.176
Background Pk Area (A-s): 0.024
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 38.09

Time: 18:22
Peak Height (A): 0.336
Background Pk Height (A): 0.046

Mean Conc (ug/L): 37.43 SD: 0.937 RSD(%): 2.50

QC sample is within range 31.50 - 38.50

~~~~~~

Pb ID: CCB 10 Seq. No.: 00089 A/S Pos.: 77 Date: 04/05/95

Replicate 1
Peak Area (A-s): 0.000
Background Pk Area (A-s): -0.001
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.69

Time: 18:25
Peak Height (A): 0.006
Background Pk Height (A): 0.004

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): -0.001
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.82

Time: 18:28
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Mean Conc (ug/L): -0.76 SD: 0.093 RSD(%): 12.26

QC sample is within range -3.00 - 2.00

(1)

Run-#5 IDL = 1.6 µg/L

607

```
=============================================================================
                 *ESTON Analytics  AA6.1     Report

  Data File:PB040681       Date collected:  95/04/06      Time:
Method File:               Date of Report:                Time:
    Analyst:  DAI                Remarks:
=============================================================================
                    PB
                   ppb
AICV               25.41      MPBTO          1                    10:16
ICB                -0.67      MPBTO          1                    10:23
CRA                 2.49      MPBTO          1                    10:29
ACCV §1            35.39      MPBTO          1                    10:36
CCB §1             -0.73      MPBTO          1                    10:42
ACCV §2            36.24      MPBTO          1                    11:16
CCB §2             -0.54      MPBTO          1                    11:22
ACCV §3            36.20      MPBTO          1                    12:14
CCB §3             -0.14      MPBTO          1                    12:20
• 95036001-001     12.06 W    MPBTO         50    956F745        12:45
95036001-001R      12.77      MPBTO          5                    12:58
956F750-MB1        -0.77      MPBTO          1    956F750         13:12
ACCV §4            34.90      MPBTO          1                    13:25
CCB §4             -0.55      MPBTO          1                    13:31
956F750-LC1        19.65      MPBTO          1                    13:38
956F750-LC2        20.63      MPBTO          1                    13:51
ACCV               35.95      MPBTO          1                    14:32
CCB                -0.94      MPBTO          1                    14:39
9503L405-001R      24.19      MPBTO          5                    14:49
9503L405-001S      27.90      MPBTO          5                    15:09
9503L405-002       -0.48      MPBTO          1                    15:28
ACCV               36.65      MPBTO          1                    15:42
CCB                -1.21      MPBTO          1                    15:48
9503L420-002       -0.39      MPBTO          1                    16:08
956F751-LC1        19.84      MPBTO          1    956F751         16:34
ACCV               35.86      MPBTO          1                    16:48
CCB                -1.15      MPBTO          1                    16:54
956F751-LC2        21.03      MPBTO          1                    17:01
ACCV               35.93      MPBTO          1                    18:00
CCB                 1.84      MPBTO          1                    18:06
95046118-001        8.85      MPBTO          1                    18:13
95046118-002       11.31      MPBTO          1                    18:26
95046118-003       -0.04      MPBTO          1                    18:39
95046118-004       13.64      MPBTO          1                    18:52
ACCV               35.50      MPBTO          1                    19:06
CCB                -1.38      MPBTO          1                    19:12
95046118-005        0.02      MPBTO          1                    19:19
956F754-LC2        19.56      MPBTO          1    956F754         19:58
ACCV               36.36      MPBTO          1                    20:11
CCB                -1.25      MPBTO          1                    20:18
95046158-001       -0.11      MPBTO          1                    20:24
95046158-001R       0.89      MPBTO          1                    20:38
95046158-001S      18.91      MPBTO          1                    20:51
9503L405-001       19.44      MPBTO          5    956F750         21:04
ACCV               34.56      MPBTO          1                    21:17
CCB                -0.11      MPBTO          1                    21:24
956F752-MB1        -0.40      MPBTO          1    956F752         21:30
956F752-LC1        20.43      MPBTO          1                    21:44
956F752-LC2        18.90      MPBTO          1                    21:57
ACCV               35.15      MPBTO          1                    22:24
CCB                -1.29      MPBTO          1                    22:30
95046096-003       26.78      MPBTO          1                    22:50
95046096-004       -0.71      MPBTO          1                    23:03
95046096-005       -0.64      MPBTO          1                    23:17
ACCV               36.13      MPBTO          1                    23:30
CCB                -1.03      MPBTO          1                    23:37
95046097-001        0.34      MPBTO          1                    23:43
```

*Analyzed for QC Purpose only
lyb 4/20/95

vpb 4/7/95

Debbie Kelly 4/7/95

Dan O'Brien 4/7/95

OP No. 21-21G-1541
Rev. 01; Eff. Date 12/15/94

WESTON Environmental Metrics, Inc.
AA6 - PE4100 GFAA Sample Analysis Log

Element: Pb
Lamp: HCl Current: 8 Energy: 660

Filename: Pb0406
Prep Batch:

AS-71

LOC			Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA	(ug/L)	3	5	10	10	5	0.5
72	STD 2	"	10	10	20	20	10	1.0
73	STD 3	"	30	20	30	30	20	2.0
74	STD 4	"	50	40	50	50	40	4.0
75	STD 5	"	70	50	70	70	50	5.0
76	ICV/CCV	"	35	25	35	35	25	2.5
77	ICB/CCB	"	0	0	0	0	0	0
78	Modifier							
79								
80	Diluent							
0	Spike Solution	"	40	20	40	40	10	2.0

QC (a.) Standard

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	95GF749-MB1		✓	(Std H2O's)	
2	-LC2	(2x)		↓	
3	9504G107-002	(Straight from bottle)		(none)	
4	95GF749-LC1			(F749)	
5	9504G107-002			↓	
6	9503G001-001 (50x)			(F745)	
7	-001R (5x)			↓	
8	95GF750-MB1			(Std H2O's)	
9	-LC1				
10	-LC2				
11	9503L405-001 (5x) (10x)		✓		
12	-001R		DAK 4/6/95		
13	-001S				
14	-002				
15	9503L420-001	(5x)	✓		
16	-002				
17	95GF751-MB1		✓	(Std H2O's)	
18	-LC1				
19	-LC2				
20	9504G122-002				
21	-002R				
22	-002S				
23	9504G118-001				
24	-002				
25	-003				
26	-004				
27	-005				
28	95GF754-MB1			(Std H2O's)	
29	-LC1				
30	-LC2				
31	9504G158-001				
32	-001R				
33	-001S				
34	9503L405-001 (5x)			(F750)	
35	95GF752-MB1			(Std H2O's)	

	QC / Sample ID	Dil.	Rerun	MSA
36	95GF752-LC1			(Std
37	-LC2			
38	9504G096-001			
39	-002			
40	-003			
41	-004			
42	-005			
43	9504G097-001			
44	-001R			
45	-001S			
46	-003			
47	-005			
48	-007			
49	-009			
50	-011			
51	-013			
52	-015			
53	-018			
54	-020			
55	9504G134-003			
56	9504G136-001			
57	-002			
58	-003			
59	-004			
60	9503L420-001 (5x)			(F750 Std)
61	95GF751-MB1			(Std)
62	95GF756-MB1			
63	-LC1			
64	-LC2			
65	9504G161-013			
66	-013R			
67	-013S			
68	-014			
69			DAK	
70			4/7/95	

Analyst: Debbie Kelly Date: 4/6/95

Reviewer: Dan Kelly Date: 4/10/95

Element File: PBCLP080.GEL
Element: Pb
Print Data: Main+Suppl.
Analyst: BH/DAK
Peak Storage: None
Remarks:
STANDARDS 1276-71-8 IDL=1.6
ICV,CCV'S 1276-72-1
MODIFIER--PD(NO3)2 + MG(NO3)2
EDL SERIAL NO.= 932, HOLLOW CATHODE = 11547
ANALYSTS-- DEBBIE KELLY / BRIAN HAMENDE

INSTRUMENT: 4100 ZL
Wavelength: 283.3 Peak
Signal Type: Zeeman AA
Read Time: 6.0
Sample Replicates: 2 if <= 70.00 ug/L, 2 if > 70.00 ug/L, else 2
Standard Replicates: 2
Technique: HGA
Version: 7.30
Slit: 0.70 Low
Signal Measurement: Peak Area
Read Delay: 0.0
BOC Time: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	15	4	
Standard 1	S[illegible]	3.00	71	20	15	4	
Standard 2	S10	10.00	72	20	15	4	
Standard 3	S30	30.00	73	20	15	4	
Standard 4	S50	50.00	74	20	15	4	
Standard 5	S70	70.00	75	20	15	4	
Samples				20	15	4	

Diluent Location: 80
Modifier #1 Location: 78
Modifier #2 Location:
Calibration Units: ug/L
Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	120	7	30	250		Norm
2	230	20	20	250		Norm
3	300	5	15	250		Norm
4	500	4	10	250		Norm
5	1800	0	6	0	*	Norm
6	2400	1	10	250		Norm
7	20	1	5	250		Norm

Injection Temp: 120 Pipette Speed: 100% Extraction System: On

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 3.0 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits: 85.0 to 115.0

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.50	27.50	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA	1.50	4.50	X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	3.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: PBCLP080.GEL Element: Pb Wavelength: 283.3
Date: 04/06/95 Time: 09:31 Slit: 0.70 L
Data File: PB0406A1.DAT ID/Wt File: PB040601.IDW Lamp Current: 8
Technique: HGA Calib. Type: Linear Energy: 66
Remark 1: STANDARDS 1276-71-8 IDL=1.6
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER--PD(NO3)2 + MG(NO3)2
Remark 4: EDL SERIAL NO.= 932, HOLLOW CATHODE = 11547
Remark 5: ANALYSTS-- DEBBIE KELLY / BRIAN HAMENDE

Debbie Kelly

Pb ID: S0 Seq. No.: 00001 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 09:34
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.11

Replicate 2 Time: 09:37
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.42

Mean Conc (ug/L): 0.26 SD: 0.221 RSD(%): 84.50

Auto-zero performed.

Pb ID: S3 Seq. No.: 00002 A/S Pos.: 71 Date: 04/06/95

Replicate 1 Time: 09:40
Peak Area (A-s): 0.017 Peak Height (A): 0.026
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.96

Replicate 2 Time: 09:44
Peak Area (A-s): 0.015 Peak Height (A): 0.024
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.47

Mean Conc (ug/L): 2.71 SD: 0.348 RSD(%): 12.81

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0042 Int: 0.000

Pb ID: S10 Seq. No.: 00003 A/S Pos.: 72 Date: 04/06/95

Replicate 1 Time: 09:47
Peak Area (A-s): 0.048 Peak Height (A): 0.072
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 10.38

Replicate 2 Time: 09:50
Peak Area (A-s): 0.047 Peak Height (A): 0.067
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 10.22

Mean Conc (ug/L): 10.30 SD: 0.111 RSD(%): 1.08

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99995 Slope: 0.0044 Int: -0.000

Pb ID: S30 Seq. No.: 00004 A/S Pos.: 73 Date: 04/06/95

Replicate 1 Time: 09:53
Peak Area (A-s): 0.133 Peak Height (A): 0.200
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 29.68

Replicate 2 Time: 09:57
Peak Area (A-s): 0.132 Peak Height (A): 0.188
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 29.53

Mean Conc (ug/L): 29.61 SD: 0.108 RSD(%): 0.36

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99999 Slope: 0.0043 Int: 0.000

Pb ID: S50 Seq. No.: 00005 A/S Pos.: 74 Date: 04/06/95

Replicate 1 Time: 10:00
Peak Area (A-s): 0.216 Peak Height (A): 0.234
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.212
Concentration (ug/L): 49.39

Replicate 2 Time: 10:03
Peak Area (A-s): 0.215 Peak Height (A): 0.339
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.211
Concentration (ug/L): 49.16

Mean Conc (ug/L): 49.27 SD: 0.165 RSD(%): 0.33

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99996 Slope: 0.0042 Int: 0.000

Pb ID: S70 Seq. No.: 00006 A/S Pos.: 75 Date: 04/06/95

Replicate 1 Time: 10:06
Peak Area (A-s): 0.302 Peak Height (A): 0.330
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.298
Concentration (ug/L): 70.18

Replicate 2 Time: 10:10
Peak Area (A-s): 0.301 Peak Height (A): 0.442
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.297
Concentration (ug/L): 70.01

Mean Conc (ug/L): 70.09 SD: 0.116 RSD(%): 0.16

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99998 Slope: 0.0042 Int: 0.000

Pb ID: AICV Seq. No.: 00007 A/S Pos.: 79 Date: 04/06/95

Replicate 1 Time: 10:13
Peak Area (A-s): 0.111 Peak Height (A): 0.163
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 25.14

Replicate 2 Time: 10:16
Peak Area (A-s): 0.113 Peak Height (A): 0.170
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 25.68

Mean Conc (ug/L): 25.41 SD: 0.382 RSD(%): 1.50 ✓

QC sample is within range 22.50 - 27.50

Pb ID: ICB Seq. No.: 00008 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 10:19
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.77

Replicate 2 Time: 10:23
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.56

Mean Conc (ug/L): -0.67 SD: 0.147 RSD(%): 22.01

QC sample is within range -3.00 - 2.00

Pb ID: CRA Seq. No.: 00009 A/S Pos.: 71 Date: 04/06/95

Replicate 1 Time: 10:26
Peak Area (A-s): 0.015 Peak Height (A): 0.020
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 2.44

Replicat Time: 10:29

Peak Area (A-s): 0.015 Peak Height (A): 0.022
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 2.53

Mean Conc (ug/L): 2.49 SD: 0.067 RSD(%): 2.71

QC sample is within range 1.50 - 4.50

Pb ID: ACCV Seq. No.: 00010 A/S Pos.: 76 Date: 04/06/95

Replicate 1 Time: 10:32
Peak Area (A-s): 0.154 Peak Height (A): 0.226
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.150
Concentration (ug/L): 35.30

Replicate 2 Time: 10:36
Peak Area (A-s): 0.155 Peak Height (A): 0.220
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 35.48

Mean Conc (ug/L): 35.39 SD: 0.131 RSD(%): 0.37

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00011 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 10:39
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.88

Replicate 2 Time: 10:42
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.58

Mean Conc (ug/L): -0.73 SD: 0.214 RSD(%): 29.48

QC sample is within range -3.00 - 3.00

Pb ID: AS Position 001 Seq. No.: 00012 A/S Pos.: 1 Date: 04/06/95

Replicate 1 Time: 10:46
Peak Area (A-s): 0.032 Peak Height (A): 0.043
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 6.48*

Replicate 2 Time: 10:49
Peak Area (A-s): 0.034 Peak Height (A): 0.045
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0

Cancelled

Pb ID: ACCV Seq. No.: 00016 A/S Pos.: 76 Date: 04/06/95

Replicate 1 Time: 11:12
Peak Area (A-s): 0.157 Peak Height (A): 0.249
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 36.06

Replicate 2 Time: 11:16
Peak Area (A-s): 0.159 Peak Height (A): 0.231
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 36.42

Mean Conc (ug/L): 36.24 SD: 0.258 RSD(%): 0.71

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00017 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 11:19
Peak Area (A-s): 0.004 Peak Height (A): 0.005
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.05

Replicate 2 Time: 11:22
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.04

Mean Conc (ug/L): -0.54 SD: 0.702 RSD(%): 129.66

QC sample is within range -3.00 - 3.00

Pb ID: 9504G107-002 Seq. No.: 00019 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 11:27
Peak Area (A-s): 0.010 Straight from bottle Peak Height (A): 0.024
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.43

Replicate 2 Time: 11:30
Peak Area (A-s): 0.011 Peak Height (A): 0.021
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.72

Mean Conc (ug/L): 1.58 SD: 0.201 RSD(%): 12.78

Pb ID: 9504G107-002 Seq. No.: 00020 A/S Pos.: 3 Date: 04/06/95

Replicat Time: 11:34

Cancelled DAM 4/7/95

Replicate 2 Time: 11:59
Peak Area (A-s): 0.060 Peak Height (A): 0.118
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 13.16

Mean Conc (ug/L): 13.28 SD: 0.173 RSD(%): 1.31

Pb ID: 9504G107-002 Seq. No.: 00025 A/S Pos.: 5 Date: 04/06/95

Replicate 1 Time: 12:02
Peak Area (A-s): 0.139 Peak Height (A): 0.258
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 31.84

Replicate 2 Time: 12:05
Peak Area (A-s): 0.142 Peak Height (A): 0.250
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 32.58

Mean Conc (ug/L): 32.21 SD: 0.522 RSD(%): 1.62

Recovery is 94.7% ✓

Cancelled JAK 4/7/95

Pb ID: ACCV Seq. No.: 00027 A/S Pos.: 76 Date: 04/06/95

Replicate 1 Time: 12:10
Peak Area (A-s): 0.156 Peak Height (A): 0.218
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 35.70

Replicate 2 Time: 12:14
Peak Area (A-s): 0.160 Peak Height (A): 0.222
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 36.70

Mean Conc (ug/L): 36.20 SD: 0.702 RSD(%): 1.94 ✓

Pb ID: CCB Seq. No.: 00028 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 12:17
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.55

Replicate 2 Time: 12:20
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.27

Mean Conc (ug/L): -0.14 SD: 0.576 RSD(%): 410.96

Pb ID: 95GF749-LC2 2X Seq. No.: 00031 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 12:28
Peak Area (A-s): 0.033 Peak Height (A): 0.049
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 6.86

Replicate 2 Time: 12:32
Peak Area (A-s): 0.028 Peak Height (A): 0.042
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 5.54

62.0% JAK 4/6/95
24.8%

Mean Conc (ug/L): 6.20 SD: 0.929 RSD(%): 14.99

Pb ID: 95GF749-LC2 2X Seq. No.: 00032 A/S Pos.: 2 Date: 04/06/95

Cancelled JAK 4/7/95

Replicate 1 Time: 12:35
Peak Area (A-s): 0.129 Peak Height (A): 0.211
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 29.40

Replicate 2 Time: 12:38
Peak Area (A-s): 0.125 Peak Height (A): 0.208
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 28.55

Mean Conc (ug/L): 28.98 SD: 0.605 RSD(%): 2.09

Recovery is 113.9% ✓

Pb ID: 9503G001-001 50 Seq. No.: 00033 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 12:42
Peak Area (A-s): 0.055 Peak Height (A): 0.113
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 12.00

RUN FOR QC purposes only. — SAMPLE CONTAINED HIGH AMOUNT OF PARTICULATES AT BOTTOM OF BOTTLE. JMS 4/7/95

Replicate 2 Time: 12:45
Peak Area (A-s): 0.056 Peak Height (A): 0.118
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 12.12

Mean Conc (ug/L): 12.06 "W" SD: 0.082 RSD(%): 0.68

Pb ID: 9503G001-001 50 Seq. No.: 00034 A/S Pos.: 6 Date: 04/06/95

Replicate Time: 12:48

Peak Area (A-s): 0.159 Peak Height (A): 0.305
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 36.40

Replicate 2 Time: 12:52
Peak Area (A-s): 0.165 Peak Height (A): 0.308
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 37.78

Mean Conc (ug/L): 37.09 SD: 0.977 RSD(%): 2.63

Recovery is 125.1% (outside of specified limits)

Pb ID: 9503G001-001R5X Seq. No.: 00035 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 12:55
Peak Area (A-s): 0.058 Peak Height (A): 0.094
Background Pk Area (A-s): 0.420 Background Pk Height (A): 0.288
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 12.70

Replicate 2 Time: 12:58
Peak Area (A-s): 0.055 Peak Height (A): 0.121
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 12.03

Mean Conc (ug/L): 12.37 SD: 0.471 RSD(%): 3.81

Pb ID: 9503G001-001R5X Seq. No.: 00036 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 13:02
Peak Area (A-s): 0.153 Peak Height (A): 0.338
Background Pk Area (A-s): 0.182 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.150
Concentration (ug/L): 35.15

Replicate 2 Time: 13:05
Peak Area (A-s): 0.154 Peak Height (A): 0.323
Background Pk Area (A-s): 0.215 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.150
Concentration (ug/L): 35.35

Mean Conc (ug/L): 35.25 SD: 0.142 RSD(%): 0.40

Recovery is 114.4%

Pb ID: 95GF750-MB1 Seq. No.: 00037 A/S Pos.: 8 Date: 04/06/95

Replicate 1 Time: 13:08
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.66

Replicate 2 Time: 13:12
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.89

Mean Conc (ug/L): -0.77 SD: 0.161 RSD(%): 20.81

Pb ID: 95GF750-MB1 Seq. No.: 00038 A/S Pos.: 8 Date: 04/06/95

Replicate 1 Time: 13:15
Peak Area (A-s): 0.093 Peak Height (A): 0.122
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 21.01

Replicate 2 Time: 13:18
Peak Area (A-s): 0.093 Peak Height (A): 0.130
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 20.99

Mean Conc (ug/L): 21.00 SD: 0.016 RSD(%): 0.07

Recovery is 108.8% 105.0%

Pb ID: ACCV Seq. No.: 00039 A/S Pos.: 76 Date: 04/06/95

Replicate 1 Time: 13:22
Peak Area (A-s): 0.150 Peak Height (A): 0.217
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.146
Concentration (ug/L): 34.33

Replicate 2 Time: 13:25
Peak Area (A-s): 0.155 Peak Height (A): 0.217
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.151
Concentration (ug/L): 35.48

Mean Conc (ug/L): 34.90 SD: 0.813 RSD(%): 2.33

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00040 A/S Pos.: 77 Date: 04/06/95

Replicate 1 Time: 13:28
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.31

Replicate 2 Time: 13:31
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.003

Concentration (ug/L): -0.79

Mean Conc (ug/L): -0.55 SD: 0.342 RSD(%): 62.30

QC sample is within range -3.00 - 3.00

Pb ID: 95GF750-LC1 Seq. No.: 00041 A/S Pos.: 9 Date: 04/06/95

Replicate 1 Time: 13:35
Peak Area (A-s): 0.088 Peak Height (A): 0.138
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 19.78

Replicate 2 Time: 13:38
Peak Area (A-s): 0.087 Peak Height (A): 0.122
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 19.52

98.2%

Mean Conc (ug/L): 19.65 SD: 0.187 RSD(%): 0.95

Pb ID: 95GF750-LC1 Seq. No.: 00042 A/S Pos.: 9 Date: 04/06/95

Replicate 1 Time: 13:41
Peak Area (A-s): 0.180 Peak Height (A): 0.263
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.176
Concentration (ug/L): 41.39

Replicate 2 Time: 13:45
Peak Area (A-s): 0.179 Peak Height (A): 0.283
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 41.19

Mean Conc (ug/L): 41.29 SD: 0.139 RSD(%): 0.34

Recovery is 108.2% ✓

Pb ID: 95GF750-LC2 Seq. No.: 00043 A/S Pos.: 10 Date: 04/06/95

Replicate 1 Time: 13:48
Peak Area (A-s): 0.159 Peak Height (A): 0.287
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 36.59

Replicate 2 Time: 13:51
Peak Area (A-s): 0.085 Peak Height (A): 0.128
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 19.10

Mean Conc (ug/L): 27.84 SD: 12.369 RSD(%): 44.42

R. Brown DAK 4/6/95

(2)

Run-2 IDL = 1.6 µg/L

621

WESTON Analytics AA6.1 Report

Data File:PB0404B1 Date collected: 95/04/04 Time:
Method File: Date of Report: Time:
Analyst: DAK Remarks:

[Pb0404BA.PRN]

	PB ppb				
AICV	24.44	MPBTO	1		15:06
ICB	-0.56	MPBTO	1		15:12
CRA	2.69	MPBTO	1		15:19
ACCV 1	34.27	MPBTO	1		15:25
CCB 1	-0.43	MPBTO	1		15:32
ACCV 2	34.37	MPBTO	1		16:32
CCB 2	-0.66	MPBTO	1		16:38
956F742-MB1	-0.48	MPBTO	1	956F742	17:25
ACCV 3	34.28	MPBTO	1		17:38
CCB 3	-0.64	MPBTO	1		17:45
956F742-LC1	20.44	MPBTO	1		17:51
9504G077-001	30.29	MPBTO	1		18:04
9504G077-001R	42.76	MPBTO	1		18:18
9504G077-001S	27.22	MPBTO	5		18:31
ACCV 4	34.36	MPBTO	1		18:51
CCB 4	-0.68	MPBTO	1		18:58
956F743-MB1	0.22	MPBTO	1	956F743	19:04
956F743-LC1	19.18	MPBTO	1		19:17
956F743-LC2	18.83	MPBTO	1		19:31
ACCV 5	34.44	MPBTO	1		19:57
CCB 5	-0.68	MPBTO	1		20:04
9503G055-003	-0.40	MPBTO	1		20:10
9503G055-003R	0.79	MPBTO	1		20:23
9503G055-003S	18.55	MPBTO	1		20:36
9503G055-005	1.97	MPBTO	1		20:50
ACCV 6	34.66	MPBTO	1		21:03
CCB 6	-0.58	MPBTO	1		21:09
9503G055-007	-0.25	MPBTO	1		21:16
9503G055-009	0.86	MPBTO	1		21:29
9503G055-011	11.06	MPBTO	1		21:42
9503G055-013	0.36	MPBTO	1		21:55
ACCV 7	33.86	MPBTO	1		22:09
CCB 7	-0.42	MPBTO	1		22:22
9503G055-015	2.05	MPBTO	1		22:28
9503G055-017	1.22	MPBTO	1		22:41
9503G055-018	1.33	MPBTO	1		22:54
9503G055-019	1.27	MPBTO	1		23:08
ACCV 8	34.13	MPBTO	1		23:21
CCB 8	-0.57	MPBTO	1		23:27
9503G055-020	1.22	MPBTO	1		23:36
9503G055-024	-0.17	MPBTO	1		00:02
ACCV 9	34.05	MPBTO	1		00:28
CCB 9	-0.51	MPBTO	1		00:35
9503L382-003	27.87	MPBSO	10	NONE	00:41
9503L382-003S	48.27	MPBSO	10		
9503L382-003R	26.39	MPBSO	10		00:54
9503L397-004	24.36	MPBSO	10		01:08
9503G034-015	-0.25	MPBSO	5		01:21
ACCV 10	34.41	MPBTO	1		01:34
CCB 10	-0.69	MPBTO	1		01:41
956F745-MB1	-0.38	MPBTO	1	956F745	01:47
956F745-LC1	18.75	MPBTO	1		02:01
ACCV 11	35.25	MPBTO	1		02:47
CCB 11	-0.56	MPBTO	1		02:54
9503G001-00[illegible]	3.07	MPBSO	1		03:14

4/5/95

Debbie Kelly 4/5/95

Dan [illegible] 4/5/95

Run- 3 IDL = 1.6 ug/L

623

WESTON Analytics AA6.1 Report

Data File:PB0404B1 Date collected: 95/04/04 Time:
Method File: Date of Report: Time:
Analyst: DAK Remarks:

[Pb0404BB.PRN]

	PB ppb				
AICV	22.97	MPBTO	1		05:52
ICB	-1.64	MPBTO	1		05:59
CRA	2.76	MPBTO	1		06:05
ACCV } 1	31.73	MPBTO	1		06:12
CCB	-2.28	MPBTO	1		06:18
9503G001-004	-0.95	MPBSO	1	95GF745	06:45
ACCV } 2	36.60	MPBTO	1		07:18
CCB	0.86	MPBTO	1		07:25
9503G001-006	1.46	MPBSO	1		07:31
9503G001-008	0.01	MPBSO	1		08:04
ACCV } 3	31.92	MPBTO	1		08:37
CCB	-0.33	MPBTO	1		08:44
9503G001-010	-1.03	MPBSO	1		08:50
9503G001-011	1.82	MPBTO	1		09:03
9503G001-012	-1.36	MPBSO	1		09:16
ACCV } 4	31.67	MPBTO	1		09:49
CCB	-2.18	MPBTO	1		09:56
9503G001-014	-0.47	MPBSO	1		10:02
9503G001-015	-1.81	MPBTO	1		10:15
9503G001-016	-0.57 W	MPBSO	1		10:29
ACCV } 5	31.63	MPBTO	1		10:47
CCB	-2.16	MPBTO	1		10:54

Debbie Kelly 4/5/95

[signature] 4/5/95

[signature] 4/5/95

OP No. 21-21G-1541
Rev. 01; Eff. Date 12/15/94

WESTON Environmental Metrics, Inc.
AA6 - PE4100 GFAA Sample Analysis Log

Element: Pb
Lamp: HCL Current: 8 Energy: 65

Filename: Pb0404A1
Prep Batch:

QC: (a.) Standard (b.) CLP

LOC			Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA	(ug/L)	3	5	10	10	5	0.5
72	STD 2	"	10	10	20	20	10	1.0
73	STD 3	"	30	20	30	30	20	2.0
74	STD 4	"	50	40	50	50	40	4.0
75	STD 5	"	70	50	70	70	50	5.0
76	ICV/CCV	"	35	25	35	35	25	2.5
77	ICB/CCB	"	0	0	0	0	0	0
78	Modifier							
79								
80	Diluent							
0	Spike Solution	"	40	20	40	40	10	2.0

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	9503G051-001 (4x)				(D.W.'s)
2	-001R (4x)				
3	-003 (2x)				
4	-004 (2x)				
5	-006 (2x)				
6	-007 (2x)				
7	-009 (2x)				
8	95GF742-MB1				(CLP Soils)
9	-LC1				
10	9504G077-001				
11	-001R				
12	-001S				
13	95GF743-MB1				(Std H_2O's)
14	-LC1				
15	-LC2				
16	9503G034-014	2x	✓		
17	9503G055-003				
18	-003R				
19	-003S				
20	-005				
21	-007				
22	-009				
23	-011				
24	-013				
25	-015				
26	-017				
27	-018				
28	-019				
29	-020				
30	-022				
31	-024				
32	MB AA (Filtering Type)				
33	95031382-003 (10x)				(Solutes)
34	-003R (10x)				
35	9503L397-004 (10x)				

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
36	9503G034-015 (5x)				(Sol.)
37	95GF745-MB1				(CLP H_2O's
38	-LC1				☆=Sol.
39	9503G001-001				
40	-001R				
41	-001S				
42	☆ -002				
43	☆ -002R				
44	☆ -002S				
45	-003				
46	☆ -004				
47	-005				
48	☆ -006				
49	-007				
50	☆ -008				
51	-009				
52	☆ -010				
53	-011				
54	☆ -012				
55	-013				
56	☆ -014		✓		
57	-015		↓		
58	☆ -016		↓		
59	95GF744-MB1		✓		(CLP Soils Std)
60	-LC1				
61	9503G053-007 -LC2				
62	9503G053-001 -001R				
63	-001R -001S				
64	-001S -002				
65	-002 -003				
66	-003 -004				
67	-004 ~~-005~~				
68	-005				
69	-006				
70	-007				

Analyst: Debra Kelly Date: 4/4/95

Reviewer: Dan Kelly Date: 4/10/95

Element File: PBCLP080.GEL
Element: Pb
Print Data: Main+Suppl.
Analyst: BH/DAK
Peak Storage: None

Remarks:
STANDARDS 1276-71-8 IDL=1.6
ICV,CCV'S 1276-72-1
MODIFIER--PD(NO3)2 + MG(NO3)2
EDL SERIAL NO.= 932, HOLLOW CATHODE = 11547
ANALYSTS-- DEBBIE KELLY / BRIAN HAMENDE

INSTRUMENT: 4100 ZL
Technique: HGA
Version: 7.30
Wavelength: 283.3 Peak
Slit: 0.70 Low
Signal Type: Zeeman AA
Signal Measurement: Peak Area
Read Time: 6.0
Read Delay: 0.0
BOC Time: 2
Sample Replicates: 2 if <= 70.00 ug/L, 2 if > 70.00 ug/L, else 2
Standard Replicates: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	15	4	
Standard 1	S3	3.00	71	20	15	4	
Standard 2	S10	10.00	72	20	15	4	
Standard 3	S30	30.00	73	20	15	4	
Standard 4	S50	50.00	74	20	15	4	
Standard 5	S70	70.00	75	20	15	4	
Samples				20	15	4	

Diluent Location: 80
Modifier #1 Location: 78
Modifier #2 Location:
Calibration Units: ug/L
Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	120	7	30	250		Norm
2	230	20	20	250		Norm
3	300	5	15	250		Norm
4	500	4	10	250		Norm
5	1800	0	6	0	*	Norm
6	2400	1	10	250		Norm
7	20	1	5	250		Norm

Injection Temp: 120 Pipette Speed: 100% Extraction System: On

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SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 3.0 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits: 85.0 to 115.0

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.50	27.50	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA	1.50	4.50	X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	3.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: PBCLP080.GEL Element: Pb Wavelength: 283.3
Date: 04/04/95 Time: 14:15 Slit: 0.70 L
Data File: PB0404A1.DAT ID/Wt File: PB040401.IDW Lamp Current: 8
Technique: HGA Calib. Type: Linear Energy: 65
Remark 1: STANDARDS 1276-71-8 IDL=1.6
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER--PD(NO3)2 + MG(NO3)2
Remark 4: EDL SERIAL NO.= 932, HOLLOW CATHODE = 11547
Remark 5: ANALYSTS-- DEBBIE KELLY / BRIAN HAMENDE

Debbie Kelly

Pb ID: S0 Seq. No.: 00002 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 14:22
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.62

Replicate 2 Time: 14:26
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.39

Mean Conc (ug/L): -0.51 SD: 0.159 RSD(%): 31.49

Auto-zero performed.

Pb ID: S3 Seq. No.: 00003 A/S Pos.: 71 Date: 04/04/95

Replicate 1 Time: 14:29
Peak Area (A-s): 0.016 Peak Height (A): 0.023
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 3.37

Replicate 2 Time: 14:32
Peak Area (A-s): 0.016 Peak Height (A): 0.021
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 3.29

Mean Conc (ug/L): 3.33 SD: 0.058 RSD(%): 1.74

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0051 Int: -0.000

Pb ID: S10 Seq. No.: 00004 A/S Pos.: 72 Date: 04/04/95

Replicate 1 Time: 14:36
Peak Area (A-s): 0.049 Peak Height (A): 0.083
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 9.49

Replicate 2 — Time: 14:39
Peak Area (A-s): 0.049 — Peak Height (A): 0.075
Background Pk Area (A-s): 0.010 — Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 9.55

Mean Conc (ug/L): 9.52 SD: 0.045 RSD(%): 0.47

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99986 Slope: 0.0048 Int: 0.000

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Pb ID: S30 Seq. No.: 00005 A/S Pos.: 73 Date: 04/04/95

Replicate 1 — Time: 14:42
Peak Area (A-s): 0.142 — Peak Height (A): 0.272
Background Pk Area (A-s): 0.026 — Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 29.23

Replicate 2 — Time: 14:45
Peak Area (A-s): 0.142 — Peak Height (A): 0.244
Background Pk Area (A-s): 0.026 — Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.142
Concentration (ug/L): 29.28

Mean Conc (ug/L): 29.26 SD: 0.039 RSD(%): 0.13

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99995 Slope: 0.0047 Int: 0.001

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Pb ID: S50 Seq. No.: 00006 A/S Pos.: 74 Date: 04/04/95

Replicate 1 — Time: 14:49
Peak Area (A-s): 0.230 — Peak Height (A): 0.377
Background Pk Area (A-s): 0.041 — Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 48.66

Replicate 2 — Time: 14:52
Peak Area (A-s): 0.230 — Peak Height (A): 0.347
Background Pk Area (A-s): 0.040 — Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 48.62

Mean Conc (ug/L): 48.64 SD: 0.030 RSD(%): 0.06

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99985 Slope: 0.0046 Int: 0.002

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Pb ID: S70 Seq. No.: 00007 A/S Pos.: 75 Date: 04/04/95

Replicate 1 — Time: 14:56
Peak Area (A-s): 0.317 — Peak Height (A): 0.436
Background Pk Area (A-s): 0.054 — Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.317
Concentr on (ug/L): 68.77
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Replicate 2 — Time: 15:00
Peak Area (A-s): 0.316 — Peak Height (A): 0.413
Background Pk Area (A-s): 0.055 — Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.315
Concentration (ug/L): 68.42

Mean Conc (ug/L): 68.60 — SD: 0.248 — RSD(%): 0.36

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99984 — Slope: 0.0045 — Int: 0.002

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Pb ID: AICV — Seq. No.: 00008 — A/S Pos.: 79 — Date: 04/04/95

Replicate 1 — Time: 15:02
Peak Area (A-s): 0.114 — Peak Height (A): 0.149
Background Pk Area (A-s): 0.019 — Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.113
Concentration (ug/L): 24.56

Replicate 2 — Time: 15:06
Peak Area (A-s): 0.113 — Peak Height (A): 0.152
Background Pk Area (A-s): 0.019 — Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 24.32

Mean Conc (ug/L): 24.44 — SD: 0.167 — RSD(%): 0.68 ✓

QC sample is within range 22.50 - 27.50

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Pb ID: ICB — Seq. No.: 00009 — A/S Pos.: 77 — Date: 04/04/95

Replicate 1 — Time: 15:09
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 (ug/L): -0.38

Replicate 2 — Time: 15:12
Peak Area (A-s): -0.000 — Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 — Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.73

Mean Conc (ug/L): -0.56 — SD: 0.251 — RSD(%): 45.06

QC sample is within range -3.00 - 2.00

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Pb ID: CRA — Seq. No.: 00010 — A/S Pos.: 71 — Date: 04/04/95

Replicate 1 — Time: 15:15
Peak Area (A-s): 0.015 — Peak Height (A): 0.021
Background Pk Area (A-s): 0.003 — Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.68

Replicat 2 — Time: 15:19
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Peak Area (A-s): 0.015 Peak Height (A): 0.021
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 2.71

Mean Conc (ug/L): 2.69 SD: 0.023 RSD(%): 0.86

QC sample is within range 1.50 - 4.50

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Pb ID: ACCV Seq. No.: 00011 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 15:22
Peak Area (A-s): 0.156 Peak Height (A): 0.213
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 33.91

Replicate 2 Time: 15:25
Peak Area (A-s): 0.159 Peak Height (A): 0.256
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 34.62

Mean Conc (ug/L): 34.27 SD: 0.503 RSD(%): 1.47

QC sample is within range 31.50 - 38.50

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Pb ID: CCB Seq. No.: 00012 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 15:28
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.27

Replicate 2 Time: 15:32
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.59

Mean Conc (ug/L): -0.43 SD: 0.229 RSD(%): 53.45

QC sample is within range -3.00 - 3.00

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Pb ID: 9503G051-001 4X Seq. No.: 00013 A/S Pos.: 1 Date: 04/04/95

Replicate 1 Time: 15:35
Peak Area (A-s): 0.015 Peak Height (A): 0.023
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 2.59

Replicate 2 Time: 15:38
Peak Area (A-s): 0.014 Peak Height (A): 0.023
Backgrou Pk Area (A-s): 0.007 Background Pk Height (A): 08

950403A PRN
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Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 17.02

Replicate 2 Time: 16:25
Peak Area (A-s): 0.081 Peak Height (A): 0.125
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 17.19

Mean Conc (ug/L): 17.11 SD: 0.120 RSD(%): 0.70

Recovery is 78.4% (outside of specified limits)

Pb ID: ACCV Seq. No.: 00021 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 16:28
Peak Area (A-s): 0.158 Peak Height (A): 0.222
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 34.41

Replicate 2 Time: 16:32
Peak Area (A-s): 0.158 Peak Height (A): 0.226
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.32

Mean Conc (ug/L): 34.37 SD: 0.064 RSD(%): 0.19

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00022 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 16:35
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.80

Replicate 2 Time: 16:38
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.53

Mean Conc (ug/L): -0.66 SD: 0.189 RSD(%): 28.48

QC sample is within range -3.00 - 3.00

Pb ID: 9503G051-006 2X Seq. No.: 00023 A/S Pos.: 5 Date: 04/04/95

Replicate 1 Time: 16:41
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.61

Pb ID: 95GF742-MB1 Seq. No.: 00030 A/S Pos.: 8 Date: 04/04/95

Replicate 1 Time: 17:28
Peak Area (A-s): 0.100 Peak Height (A): 0.136
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 21.41

Replicate 2 Time: 17:31
Peak Area (A-s): 0.101 Peak Height (A): 0.141
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 21.77

Mean Conc (ug/L): 21.59 SD: 0.253 RSD(%): 1.17

Recovery is 110.3% 108.0%

Pb ID: ACCV 3 Seq. No.: 00031 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 17:35
Peak Area (A-s): 0.158 Peak Height (A): 0.222
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.34

Replicate 2 Time: 17:38
Peak Area (A-s): 0.157 Peak Height (A): 0.227
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.23

Mean Conc (ug/L): 34.28 SD: 0.078 RSD(%): 0.23

QC sample is within range 31.50 - 38.50

Pb ID: CCB 3 Seq. No.: 00032 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 17:41
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.61

Replicate 2 Time: 17:45
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.67

Mean Conc (ug/L): -0.64 SD: 0.049 RSD(%): 7.64

QC sample is within range -3.00 - 3.00

Sample abs. is greater than that of the largest standard.

Replicate 2 Time: 18:31
Peak Area (A-s): 0.457 Peak Height (A): 0.990
Background Pk Area (A-s): 0.135 Background Pk Height (A): 0.230
Blank Corrected Pk Area (A-s): 0.457
Concentration (ug/L): 100.65

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 100.30 SD: 0.494 RSD(%): 0.49

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Pb ID: 9504G077-001S -5X Seq. No.: 00040 A/S Pos.: 12 Date: 04/04/95

Replicate 1 Time: 18:34
Peak Area (A-s): 0.126 Peak Height (A): 0.298
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 27.25 Corrected Conc (ug/L): 136.3

Replicate 2 Time: 18:38
Peak Area (A-s): 0.126 Peak Height (A): 0.298
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 27.19 Corrected Conc (ug/L): 136.0

Mean Conc (ug/L): 27.22 SD: 0.043 RSD(%): 0.16
Corrected Conc (ug/L): 136.1

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Pb ID: 9504G077-001S -5X Seq. No.: 00041 A/S Pos.: 12 Date: 04/04/95

Replicate 1 Time: 18:41
Peak Area (A-s): 0.234 Peak Height (A): 0.576
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.104
Blank Corrected Pk Area (A-s): 0.234
Concentration (ug/L): 51.19 Corrected Conc (ug/L): 256.0

Replicate 2 Time: 18:44
Peak Area (A-s): 0.233 Peak Height (A): 0.563
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.233
Concentration (ug/L): 51.01 Corrected Conc (ug/L): 255.1

Mean Conc (ug/L): 51.10 SD: 0.127 RSD(%): 0.25
Corrected Conc (ug/L): 255.5

Recovery is 119.4% (outside of specified limits)

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Pb ID: ACCV 4 Seq. No.: 00042 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 18:48
Peak Area (A-s): 0.158 Peak Height (A): 0.223
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 34.42

Replicate 2 Time: 18:51
Peak Area (A-s): 0.158 Peak Height (A): 0.229
~~~~~~

Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.30

Mean Conc (ug/L): 34.36 SD: 0.082 RSD(%): 0.24

QC sample is within range 31.50 - 38.50

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Pb ID: CCB Seq. No.: 00043 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 18:54
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.62

Replicate 2 Time: 18:58
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.74

Mean Conc (ug/L): -0.68 SD: 0.088 RSD(%): 12.92

QC sample is within range -3.00 - 3.00

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Pb ID: 95GF743-MB1 Seq. No.: 00044 A/S Pos.: 13 Date: 04/04/95

Replicate 1 Time: 19:01
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.17

Replicate 2 Time: 19:04
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.46

Mean Conc (ug/L): 0.32 SD: 0.203 RSD(%): 64.52

~~~~~~

Pb ID: 95GF743-MB1 Seq. No.: 00045 A/S Pos.: 13 Date: 04/04/95

Replicate 1 Time: 19:07
Peak Area (A-s): 0.105 Peak Height (A): 0.178
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 22.52

Replicate 2 Time: 19:11
Peak Area (A-s): 0.106 Peak Height (A): 0.176
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 22.88
~~~~~~

Pb ID: 95GF743-LC2 Seq. No.: 00049 A/S Pos.: 15 Date: 04/04/95

Replicate 1 Time: 19:34
Peak Area (A-s): 0.184 Peak Height (A): 0.287
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.183
Concentration (ug/L): 40.04

Replicate 2 Time: 19:37
Peak Area (A-s): 0.185 Peak Height (A): 0.284
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.184
Concentration (ug/L): 40.31

Mean Conc (ug/L): 40.17 SD: 0.190 RSD(%): 0.47

Recovery is 106.7%

Pb ID: 9503G034-014 Seq. No.: 00050 A/S Pos.: 16 Date: 04/04/95

Replicate 1 Time: 19:41
Peak Area (A-s): 0.023 Peak Height (A): 0.030
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.375
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 4.35

Rerun 2x PFK 4/4/95

Replicate 2 Time: 19:44
Peak Area (A-s): 0.024 Peak Height (A): 0.032
Background Pk Area (A-s): 0.209 Background Pk Height (A): 0.334
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 4.71

Mean Conc (ug/L): 4.53 SD: 0.258 RSD(%): 5.70

Pb ID: 9503G034-014 Seq. No.: 00051 A/S Pos.: 16 Date: 04/04/95

Replicate 1 Time: 19:47
Peak Area (A-s): 0.055 Peak Height (A): 0.074
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.389
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 11.51

Replicate 2 Time: 19:50
Peak Area (A-s): 0.052 Peak Height (A): 0.074
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.379
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 10.96

Mean Conc (ug/L): 11.23 SD: 0.393 RSD(%): 3.50

Recovery is 33.5% (outside of specified limits)

Pb ID: ACCV Seq. No.: 00052 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 19:54

Peak Area (A-s): 0.158 Peak Height (A): 0.234
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 34.41

Replicate 2 Time: 19:57
Peak Area (A-s): 0.159 Peak Height (A): 0.238
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 34.48

Mean Conc (ug/L): 34.44 SD: 0.050 RSD(%): 0.15

QC sample is within range 31.50 - 38.50

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Pb ID: CCB Seq. No.: 00053 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 20:00
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.57

Replicate 2 Time: 20:04
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.79

Mean Conc (ug/L): -0.68 SD: 0.157 RSD(%): 22.94

QC sample is within range -3.00 - 3.00

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Pb ID: 9503G055-003 Seq. No.: 00054 A/S Pos.: 17 Date: 04/04/95

Replicate 1 Time: 20:07
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.42

Replicate 2 Time: 20:10
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.38

Mean Conc (ug/L): -0.40 SD: 0.028 RSD(%): 7.10

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Pb ID: 9503G055-003 Seq. No.: 00055 A/S Pos.: 17 Date: 04/04/95

Replicate 1 Time: 20:13
Peak Area (A-s): 0.085 Peak Height (A): 0.251
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.085
Concentr on (ug/L): 18.26
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Pb ID: ACCV Seq. No.: 00062 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 21:00
Peak Area (A-s): 0.159 Peak Height (A): 0.239
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 34.61

Replicate 2 Time: 21:03
Peak Area (A-s): 0.160 Peak Height (A): 0.244
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 34.70

Mean Conc (ug/L): 34.66 SD: 0.067 RSD(%): 0.19

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00063 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 21:06
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.75

Replicate 2 Time: 21:09
Peak Area (A-s): 0.001 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 (ug/L): -0.41

Mean Conc (ug/L): -0.58 SD: 0.240 RSD(%): 41.45

QC sample is within range -3.00 - 3.00

Pb ID: 9503G055-007 Seq. No.: 00064 A/S Pos.: 21 Date: 04/04/95

Replicate 1 Time: 21:13
Peak Area (A-s): 0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.35

Replicate 2 Time: 21:16
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.16

Mean Conc (ug/L): -0.25 SD: 0.136 RSD(%): 53.97

Pb ID: 9503G055-007 Seq. No.: 00065 A/S Pos.: 21 Date: 04/04/95

Replicat 1 Time: 21:19

Mean Conc (ug/L): 11.71 54.67 SD: 0.001 RSD(%): 0.01
Recovery is 56.7% (outside of specified limits)

Pb ID: ACCV Seq. No.: 00072 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 22:05
Peak Area (A-s): 0.231 Peak Height (A): 0.326
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.231
Concentration (ug/L): 50.62

Auto Rerun PFK 4/4/95

Replicate 2 Time: 22:09
Peak Area (A-s): 0.153 Peak Height (A): 0.229
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 33.22

Mean Conc (ug/L): 41.92 SD: 12.306 RSD(%): 29.35

Pb ID: ACCV X Seq. No.: 00073 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 22:12
Peak Area (A-s): 0.153 Peak Height (A): 0.227
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 33.33

Replicate 2 Time: 22:15
Peak Area (A-s): 0.158 Peak Height (A): 0.229
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.158
Concentration (ug/L): 34.40

Mean Conc (ug/L): 33.86 SD: 0.762 RSD(%): 2.25

QC sample is within range 31.50 - 38.50

Pb ID: CCB X Seq. No.: 00074 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 22:18
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.43

Replicate 2 Time: 22:22
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.40

Mean Conc (ug/L): -0.42 SD: 0.021 RSD(%): 5.14

QC sample is within range -3.00 - 3.00

Peak Area (A-s): 0.009 Peak Height (A): 0.018
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.27

Mean Conc (ug/L): 1.27 "W" SD: 0.012 RSD(%): 0.94

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Pb ID: 9503G055-019 Seq. No.: 00082 A/S Pos.: 28 Date: 04/04/95

Replicate 1 Time: 23:11
Peak Area (A-s): 0.076 Peak Height (A): 0.142
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 16.25

Replicate 2 Time: 23:14
Peak Area (A-s): 0.076 Peak Height (A): 0.141
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 16.25 81.2%

Mean Conc (ug/L): 16.25 SD: 0.004 RSD(%): 0.02

Recovery is 74.9% (outside of specified limits)

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Pb ID: ACCV4 Seq. No.: 00083 A/S Pos.: 76 Date: 04/04/95

Replicate 1 Time: 23:17
Peak Area (A-s): 0.157 Peak Height (A): 0.236
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.19

Replicate 2 Time: 23:21
Peak Area (A-s): 0.157 Peak Height (A): 0.244
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 34.08

Mean Conc (ug/L): 34.13 SD: 0.079 RSD(%): 0.23 ✓

QC sample is within range 31.50 - 38.50

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Pb ID: CCB4 Seq. No.: 00084 A/S Pos.: 77 Date: 04/04/95

Replicate 1 Time: 23:24
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.73

Replicate 2 Time: 23:27
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.41
~~~~~~

640

Mean Conc (ug/L): -0.57 SD: 0.223 RSD(%): 39.09

QC sample is within range -3.00 - 3.00

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Pb ID: 9503G055-020 Seq. No.: 00086 A/S Pos.: 29 Date: 04/04/95

Replicate 1 Time: 23:32
Peak Area (A-s): 0.008 Peak Height (A): 0.017
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.13

Replicate 2 Time: 23:36
Peak Area (A-s): 0.009 Peak Height (A): 0.018
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.31

Mean Conc (ug/L): 1.22 SD: 0.126 RSD(%): 10.30

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Pb ID: 9503G055-020 Seq. No.: 00087 A/S Pos.: 29 Date: 04/04/95

Replicate 1 Time: 23:39
Peak Area (A-s): 0.075 Peak Height (A): 0.141
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 15.98

Replicate 2 Time: 23:42
Peak Area (A-s): 0.077 Peak Height (A): 0.141
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 16.33

Mean Conc (ug/L): 16.15 80.8% SD: 0.247 RSD(%): 1.53

Recovery is 74.6% (outside of specified limits)

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Pb ID: 9503G055-022 Seq. No.: 00088 A/S Pos.: 30 Date: 04/04/95

Replicate 1 Time: 23:45
Peak Area (A-s): 0.103 Peak Height (A): 0.295
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 22.10

Replicate 2 Time: 23:49
Peak Area (A-s): 0.101 Peak Height (A): 0.292
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 21.71

Mean Conc (ug/L): 21.91 SD: 0.274 RSD(%): 1.25
~~~~~~

Peak Area (A-s): 0.011 Peak Height (A): 0.018
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 1.77

Replicate 2 Time: 00:15
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.50

Mean Conc (ug/L): 1.63 SD: 0.187 RSD(%): 11.42

Pb ID: MB-AA Seq. No.: 00093 A/S Pos.: 32 Date: 04/05/95

Replicate 1 Time: 00:18
Peak Area (A-s): 0.104 Peak Height (A): 0.181
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 22.39

Replicate 2 Time: 00:22
Peak Area (A-s): 0.107 Peak Height (A): 0.183
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 23.16

Mean Conc (ug/L): 22.78 SD: 0.545 RSD(%): 2.39

Recovery is 105.7%

check only
OK 4/5/95
113.9%

Pb ID: ACCV Seq. No.: 00094 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 00:25
Peak Area (A-s): 0.156 Peak Height (A): 0.242
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 33.98

Replicate 2 Time: 00:28
Peak Area (A-s): 0.157 Peak Height (A): 0.242
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 34.12

Mean Conc (ug/L): 34.05 SD: 0.098 RSD(%): 0.29 ✓

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00095 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 00:31
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.55

Replicate 2 Time: 00:35
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.47

Mean Conc (ug/L): -0.51 SD: 0.056 RSD(%): 10.95

QC sample is within range -3.00 - 3.00

Pb ID: 9503L382-003 10 Seq. No.: 00096 A/S Pos.: 33 Date: 04/05/95

Replicate 1 Time: 00:38
Peak Area (A-s): 0.129 Peak Height (A): 0.268
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 27.85

Replicate 2 Time: 00:41
Peak Area (A-s): 0.129 Peak Height (A): 0.259
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 27.88

Mean Conc (ug/L): 27.87 SD: 0.026 RSD(%): 0.09

Pb ID: 9503L382-003 10 Seq. No.: 00097 A/S Pos.: 33 Date: 04/05/95

(-0035)

Replicate 1 Time: 00:45
Peak Area (A-s): 0.222 Peak Height (A): 0.448
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.222
Concentration (ug/L): 48.56

Replicate 2 Time: 00:48
Peak Area (A-s): 0.220 Peak Height (A): 0.490
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.219
Concentration (ug/L): 47.98

Mean Conc (ug/L): 48.27 SD: 0.416 RSD(%): 0.86

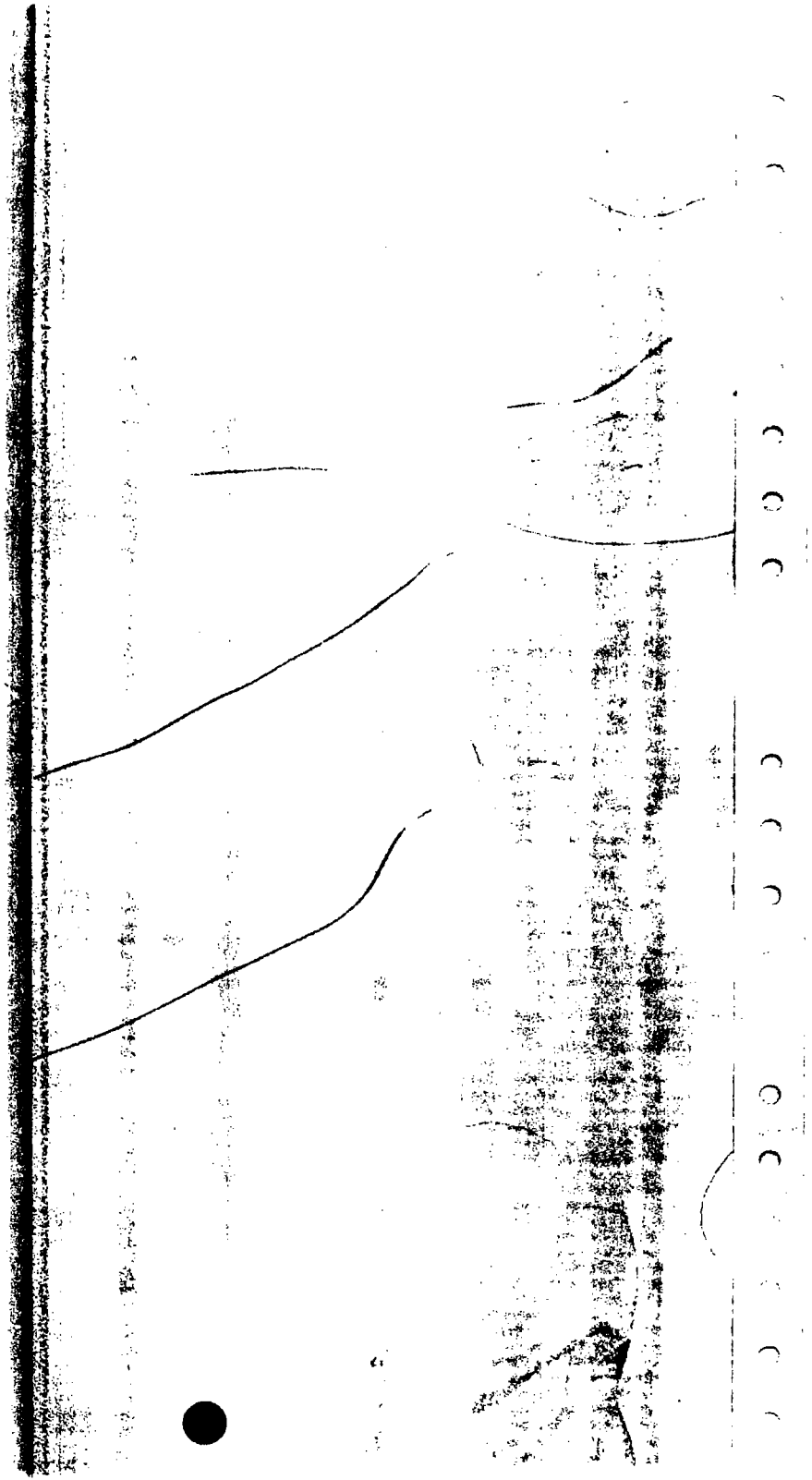
Recovery is 102.0% ✓

Pb ID: 9503L382-00[illegible]R10 Seq. No.: 00098 A/S Pos.: 34 Date: 04/05/95

3 DAY w/5/95

Replicate 1 Time: 00:51
Peak Area (A-s): 0.123 Peak Height (A): 0.275
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 26.55

Replicate 2 Time: 00:54
Peak Area (A-s): 0.121 Peak Height (A): 0.263
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.061
Blank Co[illegible]cted Pk Area (A-s): 0.121



Pb ID: 9503G034-015 5X Seq. No.: 00102 A/S Pos.: 36 Date: 04/05/95

Replicate 1 Time: 01:18
Peak Area (A-s): 0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.00

Replicate 2 Time: 01:21
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.49

Mean Conc (ug/L): -0.25 "W" SD: 0.349 RSD(%): 141.66

Pb ID: 9503G034-015 5X Seq. No.: 00103 A/S Pos.: 36 Date: 04/05/95

Replicate 1 Time: 01:24
Peak Area (A-s): 0.060 Peak Height (A): 0.101
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 12.74

Replicate 2 Time: 01:28
Peak Area (A-s): 0.058 Peak Height (A): 0.098
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 12.20

Mean Conc (ug/L): 12.47 62.4% SD: 0.381 RSD(%): 3.06

Recovery is 63.6% (outside of specified limits)

Pb ID: ACCV 10 Seq. No.: 00104 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 01:31
Peak Area (A-s): 0.160 Peak Height (A): 0.245
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 34.85

Replicate 2 Time: 01:34
Peak Area (A-s): 0.156 Peak Height (A): 0.292
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 33.96

Mean Conc (ug/L): 34.41 SD: 0.625 RSD(%): 1.82 ✓

QC sample is within range 31.50 - 38.50

Pb ID: CCB 10 Seq. No.: 00105 A/S Pos.: 77 Date: 04/05/95

Replicat 1 Time: 01:38

Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.63

Replicate 2 Time: 01:41
Peak Area (A-s): -0.000 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 (ug/L): -0.75

Mean Conc (ug/L): -0.69 SD: 0.081 RSD(%): 11.76

QC sample is within range -3.00 - 3.00

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Pb ID: 95GF745-MB1 Seq. No.: 00106 A/S Pos.: 37 Date: 04/05/95

Replicate 1 Time: 01:44
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.55

Replicate 2 Time: 01:47
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.20

Mean Conc (ug/L): -0.38 SD: 0.251 RSD(%): 66.67

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Pb ID: 95GF745-MB1 Seq. No.: 00107 A/S Pos.: 37 Date: 04/05/95

Replicate 1 Time: 01:51
Peak Area (A-s): 0.103 Peak Height (A): 0.210
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 22.27

Replicate 2 Time: 01:54
Peak Area (A-s): 0.106 Peak Height (A): 0.207
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.77

Mean Conc (ug/L): 22.52 112.6% SD: 0.347 RSD(%): 1.54

Recovery is 114.5%

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Pb ID: 95GF745-LC1 Seq. No.: 00108 A/S Pos.: 38 Date: 04/05/95

Replicate 1 Time: 01:58
Peak Area (A-s): 0.087 Peak Height (A): 0.169
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.087
Concentr on (ug/L): 18.72
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Replicate  2                                      Time: 02:01
Peak Area (A-s): 0.088                            Peak Height (A): 0.172
Background Pk Area (A-s): 0.016                   Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L  ): 18.78

Mean Conc  (ug/L  ):        18.75  93.8%          SD: 0.043            RSD(%): 0.23

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Pb     ID: 95GF745-LC1        Seq. No.: 00109    A/S Pos.: 38    Date: 04/05/95

Replicate  1                                      Time: 02:04
Peak Area (A-s): 0.186                            Peak Height (A): 0.364
Background Pk Area (A-s): 0.032                   Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.185
Concentration (ug/L  ): 40.47

Replicate  2                                      Time: 02:08
Peak Area (A-s): 0.191                            Peak Height (A): 0.294
Background Pk Area (A-s): 0.034                   Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.190
Concentration (ug/L  ): 41.61

Mean Conc  (ug/L  ):        41.04                 SD: 0.806            RSD(%): 1.97

Recovery is 111.4% ✓

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Pb     ID: 9503G001-001       Seq. No.: 00110    A/S Pos.: 39    Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate  1                                      Time: 02:11
Peak Area (A-s): 1.304                            Peak Height (A): 1.326
Background Pk Area (A-s): 1.080                   Background Pk Height (A): 0.641
Blank Corrected Pk Area (A-s): 1.303
Concentration (ug/L  ): 288.18

The background signal is changing during BOC measurement.
Sample abs. is greater than that of the largest standard.
Replicate  2                                      Time: 02:14
Peak Area (A-s): 1.309                            Peak Height (A): 1.336
Background Pk Area (A-s): 0.918                   Background Pk Height (A): 0.673
Blank Corrected Pk Area (A-s): 1.309
Concentration (ug/L  ): 289.34

Sample abs. is greater than that of the largest standard.
Mean Conc  (ug/L  ):       288.76                 SD: 0.820            RSD(%): 0.28

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Pb     ID: 9503G001-001       Seq. No.: 00111    A/S Pos.: 39    Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate  1                                      Time: 02:17
Peak Area (A-s): 0.556                            Peak Height (A): 0.984
Background Pk Area (A-s): 0.371                   Background Pk Height (A): 0.235
Blank Corrected Pk Area (A-s): 0.556
Concentration (ug/L  ): 122.58                    Corrected Conc (ug/L  ): 612.9

Sample [illegible] is greater than that of the largest standard.
```

646

Replicate 2 Time: 02:21
Peak Area (A-s): 0.551 Peak Height (A): 1.002
Background Pk Area (A-s): 0.397 Background Pk Height (A): 0.244
Blank Corrected Pk Area (A-s): 0.551
Concentration (ug/L): 121.42 Corrected Conc (ug/L): 607.1

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 122.00 SD: 0.815 RSD(%): 0.67
Corrected Conc (ug/L): 610.0

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Pb ID: 9503G001-001 Seq. No.: 00112 A/S Pos.: 39 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 02:24
Peak Area (A-s): 0.700 Peak Height (A): 0.969
Background Pk Area (A-s): 0.387 Background Pk Height (A): 0.278
Blank Corrected Pk Area (A-s): 0.700
Concentration (ug/L): 154.41 Corrected Conc (ug/L): 772.1

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 02:27
Peak Area (A-s): 0.698 Peak Height (A): 0.931
Background Pk Area (A-s): 0.393 Background Pk Height (A): 0.275
Blank Corrected Pk Area (A-s): 0.697
Concentration (ug/L): 153.85 Corrected Conc (ug/L): 769.3

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 154.13 SD: 0.397 RSD(%): 0.26
Corrected Conc (ug/L): 770.7

Recovery is 160.7% (outside of specified limits)

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Pb ID: 9503G001-001R Seq. No.: 00113 A/S Pos.: 40 Date: 04/05/95

Replicate 1 Time: 02:31
Peak Area (A-s): 0.267 Peak Height (A): 0.477
Background Pk Area (A-s): 1.171 Background Pk Height (A): 0.681
Blank Corrected Pk Area (A-s): 0.266
Concentration (ug/L): 58.44

Replicate 2 Time: 02:34
Peak Area (A-s): 0.263 Peak Height (A): 0.463
Background Pk Area (A-s): 0.900 Background Pk Height (A): 0.723
Blank Corrected Pk Area (A-s): 0.262
Concentration (ug/L): 57.50

Mean Conc (ug/L): 57.97 SD: 0.659 RSD(%): 1.14

~~~~~~

Pb ID: 9503G001-001R Seq. No.: 00114 A/S Pos.: 40 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 02:37
Peak Area (A-s): 0.362 Peak Height (A): 0.531
Background Pk Area (A-s): 0.967 Background Pk Height (A): 0.841
Blank Corrected Pk Area (A-s): 0.361
Concentr on (ug/L): 79.48

JPL 4/5/95
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Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 02:41
Peak Area (A-s): 0.356 Peak Height (A): 0.519
Background Pk Area (A-s): 1.140 Background Pk Height (A): 0.783
Blank Corrected Pk Area (A-s): 0.356
Concentration (ug/L): 78.30

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 78.89 SD: 0.833 RSD(%): 1.06

Recovery is 104.6%

Pb ID: ACCV Seq. No.: 00115 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 02:44
Peak Area (A-s): 0.163 Peak Height (A): 0.298
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 35.48

Replicate 2 Time: 02:47
Peak Area (A-s): 0.161 Peak Height (A): 0.290
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 35.03

Mean Conc (ug/L): 35.25 SD: 0.316 RSD(%): 0.90

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00116 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 02:51
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.49

Replicate 2 Time: 02:54
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.63

Mean Conc (ug/L): -0.56 SD: 0.096 RSD(%): 17.10

QC sample is within range -3.00 - 3.00

Pb ID: 9503G001-001S Seq. No.: 00117 A/S Pos.: 41 Date: 04/05/95

Replicate 1 Time: 02:57
Peak Area (A-s): 0.140 Peak Height (A): 0.264
Background Pk Area (A-s): 0.905 Background Pk Height (A): 0.736
Blank Corrected Pk Area (A-s): 0.140
Concentration (ug/L): 30.47

Replicate 2 Time: 03:00
Peak Area (A-s): 0.139 Peak Height (A): 0.258
Background Pk Area (A-s): 0.903 Background Pk Height (A): 0.742
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 30.14

Mean Conc (ug/L): 30.31 SD: 0.233 RSD(%): 0.77

~~~~~~

Pb ID: 9503G001-001S Seq. No.: 00118 A/S Pos.: 41 Date: 04/05/95

Replicate 1 Time: 03:04
Peak Area (A-s): 0.239 Peak Height (A): 0.393
Background Pk Area (A-s): 1.014 Background Pk Height (A): 0.891
Blank Corrected Pk Area (A-s): 0.239
Concentration (ug/L): 52.34

Replicate 2 Time: 03:07
Peak Area (A-s): 0.237 Peak Height (A): 0.399
Background Pk Area (A-s): 1.031 Background Pk Height (A): 0.899
Blank Corrected Pk Area (A-s): 0.237
Concentration (ug/L): 51.91

Mean Conc (ug/L): 52.12 SD: 0.309 RSD(%): 0.59

Recovery is 109.1%

DAK 4/5/95

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Pb ID: 9503G001-002 Seq. No.: 00119 A/S Pos.: 42 Date: 04/05/95

Replicate 1 Time: 03:10
Peak Area (A-s): 0.017 Peak Height (A): 0.038
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 3.19

Replicate 2 Time: 03:14
Peak Area (A-s): 0.016 Peak Height (A): 0.038
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 2.95

Mean Conc (ug/L): 3.07 SD: 0.168 RSD(%): 5.47

~~~~~~

Pb ID: 9503G001-002 Seq. No.: 00120 A/S Pos.: 42 Date: 04/05/95

Replicate 1 Time: 03:17
Peak Area (A-s): 0.119 Peak Height (A): 0.259
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 25.80

Replicate 2 Time: 03:21
Peak Area (A-s): 0.119 Peak Height (A): 0.251
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 25.61
~~~~~~

Mean Conc (ug/L): 25.70 SD: 0.137 RSD(%): 0.53

Recovery is 113.2% ✓

Pb ID: 9503G001-002R Seq. No.: 00121 A/S Pos.: 43 Date: 04/05/95

Replicate 1 Time: 03:24
Peak Area (A-s): 0.013 Peak Height (A): 0.026
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 2.27

Replicate 2 Time: 03:27
Peak Area (A-s): 0.013 Peak Height (A): 0.026
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.15

Mean Conc (ug/L): 2.21 SD: 0.086 RSD(%): 3.87

Pb ID: 9503G001-002R Seq. No.: 00122 A/S Pos.: 43 Date: 04/05/95

Replicate 1 Time: 03:30
Peak Area (A-s): 0.114 Peak Height (A): 0.256
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.114
Concentration (ug/L): 24.61

Replicate 2 Time: 03:34
Peak Area (A-s): 0.116 Peak Height (A): 0.236
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.115
Concentration (ug/L): 25.04

Mean Conc (ug/L): 24.82 SD: 0.304 RSD(%): 1.23

Recovery is 113.0% ✓

Pb ID: 9503G001-002S Seq. No.: 00123 A/S Pos.: 44 Date: 04/05/95

Replicate 1 Time: 03:37
Peak Area (A-s): 0.095 Peak Height (A): 0.203
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 20.42

Replicate 2 Time: 03:40
Peak Area (A-s): 0.098 Peak Height (A): 0.191
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 21.07

Mean Conc (ug/L): 20.74 SD: 0.464 RSD(%): 2.24

98.4%

Pb ID: 9503G001-002S Seq. No.: 00124 A/S Pos.: 44 Date: 04/05/95

Replicate 1 Time: 03:44
Peak Area (A-s): 0.190 Peak Height (A): 0.381
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.189
Concentration (ug/L): 41.33

Replicate 2 Time: 03:47
Peak Area (A-s): 0.189 Peak Height (A): 0.419
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.188
Concentration (ug/L): 41.15

Mean Conc (ug/L): 41.24 SD: 0.133 RSD(%): 0.32

Recovery is 102.5% ✓

Pb ID: ACCV Seq. No.: 00125 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 03:51
Peak Area (A-s): 0.160 Peak Height (A): 0.262
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 34.71

Replicate 2 Time: 03:54
Peak Area (A-s): 0.157 Peak Height (A): 0.270
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 34.22

Mean Conc (ug/L): 34.46 SD: 0.348 RSD(%): 1.01 ✓

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00126 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 03:57
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.89

Replicate 2 Time: 04:00
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.57

Mean Conc (ug/L): -0.73 SD: 0.225 RSD(%): 30.75

QC sample is within range -3.00 - 3.00

Concentration (ug/L): 39.14

Mean Conc (ug/L): 38.82 SD: 0.457 RSD(%): 1.18

QC sample is out of range 31.50 - 38.50

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Pb ID: CCB Seq. No.: 00136 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 05:03
Peak Area (A-s): 0.027 Peak Height (A): 0.025
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 5.23

Replicate 2 Time: 05:07
Peak Area (A-s): 0.024 Peak Height (A): 0.029
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 4.58

Mean Conc (ug/L): 4.91 SD: 0.461 RSD(%): 9.40

QC sample is out of range -3.00 - 3.00

DAK 4/5/95

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Pb ID: S0 (Pb040488) Seq. No.: 00137 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 05:10
Peak Area (A-s): 0.013 Peak Height (A): 0.016
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 2.16

Replicate 2 Time: 05:13
Peak Area (A-s): 0.009 Peak Height (A): 0.012
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.32

Mean Conc (ug/L): 1.74 SD: 0.595 RSD(%): 34.26

Auto-zero performed.

~~~~~

Pb ID: S3 Seq. No.: 00138 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 05:16
Peak Area (A-s): 0.021 Peak Height (A): 0.033
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 1.83

Replicate 2 Time: 05:20
Peak Area (A-s): 0.020 Peak Height (A): 0.032
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.43
~~~~~

Mean Conc (ug/L): 1.63 SD: 0.282 RSD(%): 17.29

Standard number 1 applied. [3.00]
Correlation coefficient: 1.00000 Slope: 0.0033 Int: 0.000

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Pb ID: S10 Seq. No.: 00139 A/S Pos.: 72 Date: 04/05/95

Replicate 1 Time: 05:23
Peak Area (A-s): 0.057 Peak Height (A): 0.083
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 14.22

Replicate 2 Time: 05:26
Peak Area (A-s): 0.056 Peak Height (A): 0.090
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 13.78

Mean Conc (ug/L): 14.00 SD: 0.317 RSD(%): 2.26

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99580 Slope: 0.0047 Int: -0.002

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Pb ID: S30 Seq. No.: 00140 A/S Pos.: 73 Date: 04/05/95

Replicate 1 Time: 05:29
Peak Area (A-s): 0.150 Peak Height (A): 0.249
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 30.30

Replicate 2 Time: 05:33
Peak Area (A-s): 0.152 Peak Height (A): 0.213
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 30.70

Mean Conc (ug/L): 30.50 SD: 0.281 RSD(%): 0.92

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99959 Slope: 0.0047 Int: -0.002

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Pb ID: S50 Seq. No.: 00141 A/S Pos.: 74 Date: 04/05/95

Replicate 1 Time: 05:36
Peak Area (A-s): 0.246 Peak Height (A): 0.379
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.235
Concentration (ug/L): 50.14

Replicate 2 Time: 05:39
Peak Area (A-s): 0.243 Peak Height (A): 0.403
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.232
Concentration (ug/L): 49.51
~~~~~~

Mean Conc (ug/L): 49.82 SD: 0.445 RSD(%): 0.89

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99987 Slope: 0.0047 Int: -0.002

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Pb ID: S70 Seq. No.: 00142 A/S Pos.: 75 Date: 04/05/95

Replicate 1 Time: 05:43
Peak Area (A-s): 0.325 Peak Height (A): 0.545
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): 0.314
Concentration (ug/L): 67.01

Replicate 2 Time: 05:46
Peak Area (A-s): 0.329 Peak Height (A): 0.537
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): 0.318
Concentration (ug/L): 67.71

Mean Conc (ug/L): 67.36 SD: 0.494 RSD(%): 0.73

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99959 Slope: 0.0046 Int: -0.000

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Pb ID: AICV Seq. No.: 00143 A/S Pos.: 79 Date: 04/05/95

Replicate 1 Time: 05:49
Peak Area (A-s): 0.116 Peak Height (A): 0.191
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 23.08

Replicate 2 Time: 05:52
Peak Area (A-s): 0.115 Peak Height (A): 0.174
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.87

Mean Conc (ug/L): 22.97 SD: 0.147 RSD(%): 0.64

QC sample is within range 22.50 - 27.50

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Pb ID: ICB Seq. No.: 00144 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 05:56
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.66

Replicate 2 Time: 05:59
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.61
~~~~~~

Mean Conc (ug/L): -1.64 SD: 0.034 RSD(%): 2.10

QC sample is within range -3.00 - 2.00

Pb ID: CRA Seq. No.: 00145 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 06:02
Peak Area (A-s): 0.019 Peak Height (A): 0.033
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.77

Replicate 2 Time: 06:05
Peak Area (A-s): 0.028 Peak Height (A): 0.047
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 3.76

Mean Conc (ug/L): 2.76 SD: 1.407 RSD(%): 50.89

QC sample is within range 1.50 - 4.50

Pb ID: ACCV Seq. No.: 00146 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 06:09
Peak Area (A-s): 0.156 Peak Height (A): 0.255
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 31.69

Replicate 2 Time: 06:12
Peak Area (A-s): 0.156 Peak Height (A): 0.277
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 31.78

Mean Conc (ug/L): 31.73 SD: 0.061 RSD(%): 0.19

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00147 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 06:15
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -2.16

Replicate 2 Time: 06:18
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.011
Concentration (ug/L): -2.40

Mean Conc (ug/L): -2.28 SD: 0.173 RSD : 7.60

QC sample is within range -3.00 - 3.00

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Pb ID: 9503G001-003 Seq. No.: 00148 A/S Pos.: 45 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 06:22
Peak Area (A-s): 1.541 Peak Height (A): 1.322
Background Pk Area (A-s): 1.684 Background Pk Height (A): 0.853
Blank Corrected Pk Area (A-s): 1.531
Concentration (ug/L): 333.70

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 06:25
Peak Area (A-s): 1.541 Peak Height (A): 1.344
Background Pk Area (A-s): 1.840 Background Pk Height (A): 0.815
Blank Corrected Pk Area (A-s): 1.531
Concentration (ug/L): 333.72

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 333.71 SD: 0.013 RSD(%): 0.00

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Pb ID: 9503G001-003 Seq. No.: 00149 A/S Pos.: 45 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 06:28
Peak Area (A-s): 0.751 Peak Height (A): 1.091
Background Pk Area (A-s): 0.503 Background Pk Height (A): 0.305
Blank Corrected Pk Area (A-s): 0.741
Concentration (ug/L): 161.54 Corrected Conc (ug/L): 807.7

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 06:32
Peak Area (A-s): 0.745 Peak Height (A): 1.059
Background Pk Area (A-s): 0.482 Background Pk Height (A): 0.337
Blank Corrected Pk Area (A-s): 0.735
Concentration (ug/L): 160.23 Corrected Conc (ug/L): 801.2

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 160.88 SD: 0.922 RSD(%): 0.57
Corrected Conc (ug/L): 804.4

JAK 4/5/95

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Pb ID: 9503G001-003 Seq. No.: 00150 A/S Pos.: 45 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 06:35
Peak Area (A-s): 0.801 Peak Height (A): 1.227
Background Pk Area (A-s): 0.541 Background Pk Height (A): 0.369
Blank Corrected Pk Area (A-s): 0.790
Concentration (ug/L): 172.28 Corrected Conc (ug/L): 861.4

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 06:38
Peak Area (A-s): 0.800 Peak Height (A): 1.193
Background Pk Area (A-s): 0.521 Background Pk Height (A): 0.350
Blank Corrected Pk Area (A-s): 0.789
Concentration (ug/L): 172.06 Corrected Conc (ug/L): 8[illegible]
~~~~~~

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 172.17 SD: 0.156 RSD(%): 0.09
Corrected Conc (ug/L): 860.8

656

Recovery is 56.4% (outside of specified limits)

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Pb ID: 9503G001-004 Seq. No.: 00151 A/S Pos.: 46 Date: 04/05/95

Replicate 1 Time: 06:42
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.01

Replicate 2 Time: 06:45
Peak Area (A-s): 0.006 Peak Height (A): 0.009
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.90

Mean Conc (ug/L): -0.95 SD: 0.078 RSD(%): 8.20

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Pb ID: 9503G001-004 Seq. No.: 00152 A/S Pos.: 46 Date: 04/05/95

Replicate 1 Time: 06:48
Peak Area (A-s): 0.106 Peak Height (A): 0.222
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 20.73

Replicate 2 Time: 06:52
Peak Area (A-s): 0.104 Peak Height (A): 0.240
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 20.39

Mean Conc (ug/L): 20.56 SD: 0.242 RSD(%): 1.18

Recovery is 107.6% 102.8%

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Pb ID: 9503G001-005 Seq. No.: 00153 A/S Pos.: 47 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 06:55
Peak Area (A-s): 1.332 Peak Height (A): 1.325
Background Pk Area (A-s): 2.518 Background Pk Height (A): 2.163
Blank Corrected Pk Area (A-s): 1.321
Concentration (ug/L): 288.06

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 06:58
Peak Area (A-s): 1.359 Peak Height (A): 1.317
Background Pk Area (A-s): 2.403 Background Pk Height (A): 2.167
Blank Corrected Pk Area (A-s): 1.348
Concentration (ug/L): 293.90
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Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 290.98 SD: 4.125 RSD(%): 1.42

Pb ID: 9503G001-005 Seq. No.: 00154 A/S Pos.: 47 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 07:01
Peak Area (A-s): 1.515 Peak Height (A): 1.332
Background Pk Area (A-s): 1.039 Background Pk Height (A): 1.337
Blank Corrected Pk Area (A-s): 1.504
Concentration (ug/L): 328.00 Corrected Conc (ug/L): 1640.0

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 07:05
Peak Area (A-s): 1.504 Peak Height (A): 1.309
Background Pk Area (A-s): 0.996 Background Pk Height (A): 1.289
Blank Corrected Pk Area (A-s): 1.493
Concentration (ug/L): 325.48 Corrected Conc (ug/L): 1627.4

DAR 4/5/95

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 326.74 SD: 1.780 RSD(%): 0.54
Corrected Conc (ug/L): 1633.7

Pb ID: 9503G001-005 Seq. No.: 00155 A/S Pos.: 47 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 07:08
Peak Area (A-s): 1.611 Peak Height (A): 1.346
Background Pk Area (A-s): 1.067 Background Pk Height (A): 1.348
Blank Corrected Pk Area (A-s): 1.600
Concentration (ug/L): 348.80 Corrected Conc (ug/L): 1744.0

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 07:12
Peak Area (A-s): 1.674 Peak Height (A): 1.306
Background Pk Area (A-s): 1.052 Background Pk Height (A): 1.225
Blank Corrected Pk Area (A-s): 1.664
Concentration (ug/L): 362.68 Corrected Conc (ug/L): 1813.4

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 355.74 SD: 9.815 RSD(%): 2.76
Corrected Conc (ug/L): 1778.7

Recovery is 145.0% (outside of specified limits)

Pb ID: ACCV 7 Seq. No.: 00156 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 07:15
Peak Area (A-s): 0.182 Peak Height (A): 0.317
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 37.46

Replicate 2 Time: 07:18
Peak Area (A-s): 0.174 Peak Height (A): 0.307
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.053

Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 35.74

Mean Conc (ug/L): 36.60 SD: 1.214 RSD(%): 3.32

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00157 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 07:21
Peak Area (A-s): 0.021 Peak Height (A): 0.012
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 2.32

Replicate 2 Time: 07:25
Peak Area (A-s): 0.008 Peak Height (A): 0.009
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.60

Mean Conc (ug/L): 0.86 SD: 2.061 RSD(%): 239.29

QC sample is within range -3.00 - 3.00

Pb ID: 9503G001-006 Seq. No.: 00158 A/S Pos.: 48 Date: 04/05/95

Replicate 1 Time: 07:28
Peak Area (A-s): 0.019 Peak Height (A): 0.039
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 1.78

Replicate 2 Time: 07:31
Peak Area (A-s): 0.016 Peak Height (A): 0.029
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.13

Mean Conc (ug/L): 1.46 SD: 0.462 RSD(%): 31.70

Pb ID: 9503G001-006 Seq. No.: 00159 A/S Pos.: 48 Date: 04/05/95

Replicate 1 Time: 07:35
Peak Area (A-s): 0.116 Peak Height (A): 0.259
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.94

Replicate 2 Time: 07:38
Peak Area (A-s): 0.116 Peak Height (A): 0.240
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 22.98

Mean Con (ug/L): 22.96 114.8% SD: 0.027 RS): 0.12

Recovery is 107.5%

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Pb ID: 9503G001-007 Seq. No.: 00160 A/S Pos.: 49 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 07:41
Peak Area (A-s): 1.531 Peak Height (A): 1.303
Background Pk Area (A-s): 1.267 Background Pk Height (A): 1.611
Blank Corrected Pk Area (A-s): 1.520
Concentration (ug/L): 331.41

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 07:44
Peak Area (A-s): 1.579 Peak Height (A): 1.368
Background Pk Area (A-s): 1.270 Background Pk Height (A): 1.548
Blank Corrected Pk Area (A-s): 1.568
Concentration (ug/L): 341.82

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 336.62 SD: 7.359 RSD(%): 2.19

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Pb ID: 9503G001-007 Seq. No.: 00161 A/S Pos.: 49 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 07:48
Peak Area (A-s): 1.111 Peak Height (A): 1.243
Background Pk Area (A-s): 0.389 Background Pk Height (A): 0.378
Blank Corrected Pk Area (A-s): 1.101
Concentration (ug/L): 239.97 Corrected Conc (ug/L): 1199.9

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 07:51
Peak Area (A-s): 1.096 Peak Height (A): 1.260
Background Pk Area (A-s): 0.388 Background Pk Height (A): 0.379
Blank Corrected Pk Area (A-s): 1.086
Concentration (ug/L): 236.69 Corrected Conc (ug/L): 1183.4

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 238.33 SD: 2.321 RSD(%): 0.97
Corrected Conc (ug/L): 1191.7

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Pb ID: 9503G001-007 Seq. No.: 00162 A/S Pos.: 49 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 07:54
Peak Area (A-s): 1.184 Peak Height (A): 1.256
Background Pk Area (A-s): 0.430 Background Pk Height (A): 0.406
Blank Corrected Pk Area (A-s): 1.173
Concentration (ug/L): 255.74 Corrected Conc (ug/L): 1278.7

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 07:58
Peak Area (A-s): 1.183 Peak Height (A): 1.286
Background Pk Area (A-s): 0.427 Background Pk Height (A): 0.435
Blank Corrected Pk Area (A-s): 1.172
Concentration (ug/L): 255.59 Corrected Conc (ug/L): 1[illegible]9
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Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 255.66 SD: 0.110 RSD(%): 0.04
Corrected Conc (ug/L): 1278.3

Recovery is 86.7%

Pb ID: 9503G001-008 Seq. No.: 00163 A/S Pos.: 50 Date: 04/05/95

Replicate 1 Time: 08:01
Peak Area (A-s): 0.013 Peak Height (A): 0.025
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.52

Replicate 2 Time: 08:04
Peak Area (A-s): 0.008 Peak Height (A): 0.016
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.50

Mean Conc (ug/L): 0.01 SD: 0.720 RSD(%): 10132.81

Pb ID: 9503G001-008 Seq. No.: 00164 A/S Pos.: 50 Date: 04/05/95

Replicate 1 Time: 08:07
Peak Area (A-s): 0.109 Peak Height (A): 0.213
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 21.47

Replicate 2 Time: 08:11
Peak Area (A-s): 0.107 Peak Height (A): 0.220
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 21.13

Mean Conc (ug/L): 21.30 SD: 0.243 RSD(%): 1.14

Recovery is 106.4% 106.5%

Pb ID: 9503G001-009 Seq. No.: 00165 A/S Pos.: 51 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 08:14
Peak Area (A-s): 1.323 Peak Height (A): 1.307
Background Pk Area (A-s): 0.905 Background Pk Height (A): 1.248
Blank Corrected Pk Area (A-s): 1.312
Concentration (ug/L): 286.06

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 08:17
Peak Area (A-s): 1.332 Peak Height (A): 1.328
Background Pk Area (A-s): 0.898 Background Pk Height (A): 1.250
Blank Corrected Pk Area (A-s): 1.321
Concentration (ug/L): 288.04

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 287.05 SD: 1.400 RSD(%): 0.49

Pb ID: 9503G001-009 Seq. No.: 00166 A/S Pos.: 51 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 08:20
Peak Area (A-s): 0.862 Peak Height (A): 1.110
Background Pk Area (A-s): 0.278 Background Pk Height (A): 0.304
Blank Corrected Pk Area (A-s): 0.851
Concentration (ug/L): 185.54 Corrected Conc (ug/L): 927.7

JAK 4/5/95

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 08:24
Peak Area (A-s): 0.847 Peak Height (A): 1.123
Background Pk Area (A-s): 0.275 Background Pk Height (A): 0.302
Blank Corrected Pk Area (A-s): 0.836
Concentration (ug/L): 182.25 Corrected Conc (ug/L): 911.3

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 183.90 SD: 2.326 RSD(%): 1.27
Corrected Conc (ug/L): 919.5

Pb ID: 9503G001-009 Seq. No.: 00167 A/S Pos.: 51 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 08:27
Peak Area (A-s): 0.936 Peak Height (A): 1.167
Background Pk Area (A-s): 0.308 Background Pk Height (A): 0.327
Blank Corrected Pk Area (A-s): 0.926
Concentration (ug/L): 201.83 Corrected Conc (ug/L): 1009.1

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 08:30
Peak Area (A-s): 0.930 Peak Height (A): 1.208
Background Pk Area (A-s): 0.309 Background Pk Height (A): 0.353
Blank Corrected Pk Area (A-s): 0.919
Concentration (ug/L): 200.49 Corrected Conc (ug/L): 1002.4

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 201.16 SD: 0.947 RSD(%): 0.47
Corrected Conc (ug/L): 1005.8

Recovery is 86.3%

Pb ID: ACCV Seq. No.: 00168 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 08:34
Peak Area (A-s): 0.159 Peak Height (A): 0.296
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.148
Concentration (ug/L): 32.28

Replicate 2 Time: 08:37
Peak Area (A-s): 0.155 Peak Height (A): 0.293
Background Pk Area (A-s): 0.027 Background Pk Height (A): [illegible]

Blank Corrected Pk Area (A-s): 0.144
Concentration (ug/L): 31.55

Mean Conc (ug/L): 31.92 SD: 0.522 RSD(%): 1.63

QC sample is within range 31.50 - 38.50

Pb ID: CCB Seq. No.: 00169 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 08:40
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -1.28

Replicate 2 Time: 08:44
Peak Area (A-s): 0.013 Peak Height (A): 0.017
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.62

Mean Conc (ug/L): -0.33 SD: 1.345 RSD(%): 411.03

QC sample is within range -3.00 - 3.00

Pb ID: 9503G001-010 Seq. No.: 00170 A/S Pos.: 52 Date: 04/05/95

Replicate 1 Time: 08:47
Peak Area (A-s): 0.007 Peak Height (A): 0.012
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.68

Replicate 2 Time: 08:50
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -1.38

Mean Conc (ug/L): -1.03 SD: 0.497 RSD(%): 48.20

Pb ID: 9503G001-010 Seq. No.: 00171 A/S Pos.: 52 Date: 04/05/95

Replicate 1 Time: 08:53
Peak Area (A-s): 0.109 Peak Height (A): 0.219
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 21.53

Replicate 2 Time: 08:57
Peak Area (A-s): 0.109 Peak Height (A): 0.200
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 21.41

Mean Con (ug/L): 21.47 107.4% SD: 0.090 RS : 0.42

Recovery is 112.5%

Pb ID: 9503G001-011 Seq. No.: 00172 A/S Pos.: 53 Date: 04/05/95

Replicate 1 Time: 09:00
Peak Area (A-s): 0.022 Peak Height (A): 0.020
Background Pk Area (A-s): 1.251 Background Pk Height (A): 0.679
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 2.47

Replicate 2 Time: 09:03
Peak Area (A-s): 0.016 Peak Height (A): 0.015
Background Pk Area (A-s): 0.719 Background Pk Height (A): 0.428
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.17

JAK 4/5/95

Mean Conc (ug/L): 1.82 SD: 0.921 RSD(%): 50.59

Pb ID: 9503G001-011 Seq. No.: 00173 A/S Pos.: 53 Date: 04/05/95

Replicate 1 Time: 09:07
Peak Area (A-s): 0.118 Peak Height (A): 0.170
Background Pk Area (A-s): 1.010 Background Pk Height (A): 0.559
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 23.49

Replicate 2 Time: 09:10
Peak Area (A-s): 0.119 Peak Height (A): 0.198
Background Pk Area (A-s): 0.675 Background Pk Height (A): 0.490
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 23.63

Mean Conc (ug/L): 23.56 SD: 0.102 RSD(%): 0.43

Recovery is 108.7% ✓

Pb ID: 9503G001-012 Seq. No.: 00174 A/S Pos.: 54 Date: 04/05/95

Replicate 1 Time: 09:13
Peak Area (A-s): 0.004 Peak Height (A): 0.011
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -1.32

Replicate 2 Time: 09:16
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -1.41

Mean Conc (ug/L): -1.36 SD: 0.066 RSD(%): 4.86

Pb ID: 9503G001-012 Seq. No.: 00175 A/S Pos.: 54 Date: 04/05/95

Replicate 1 Time: 09:20

Peak Area (A-s): 0.111 Peak Height (A): 0.209
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 21.91

Replicate 2 Time: 09:23
Peak Area (A-s): 0.113 Peak Height (A): 0.206
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 22.44

Mean Conc (ug/L): 22.18 110.9% SD: 0.376 RSD(%): 1.70

Recovery is 117.7% (outside of specified limits)

Pb ID: 9503G001-013 Seq. No.: 00176 A/S Pos.: 55 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 09:26
Peak Area (A-s): 1.338 Peak Height (A): 1.352
Background Pk Area (A-s): 1.012 Background Pk Height (A): 1.030
Blank Corrected Pk Area (A-s): 1.328
Concentration (ug/L): 289.45

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 09:30
Peak Area (A-s): 1.372 Peak Height (A): 1.353
Background Pk Area (A-s): 1.032 Background Pk Height (A): 0.994
Blank Corrected Pk Area (A-s): 1.361
Concentration (ug/L): 296.82

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 293.14 SD: 5.212 RSD(%): 1.78

Pb ID: 9503G001-013 Seq. No.: 00177 A/S Pos.: 55 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 09:33
Peak Area (A-s): 0.692 Peak Height (A): 1.086
Background Pk Area (A-s): 0.317 Background Pk Height (A): 0.287
Blank Corrected Pk Area (A-s): 0.682
Concentration (ug/L): 148.68 Corrected Conc (ug/L): 743.4

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 09:36
Peak Area (A-s): 0.690 Peak Height (A): 1.067
Background Pk Area (A-s): 0.313 Background Pk Height (A): 0.270
Blank Corrected Pk Area (A-s): 0.679
Concentration (ug/L): 148.19 Corrected Conc (ug/L): 740.9

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 148.43 SD: 0.347 RSD(%): 0.23
Corrected Conc (ug/L): 742.2

DAK 4/6/95

Pb ID: 9503G001-013 Seq. No.: 00178 A/S Pos.: 55 Date: 04/05/95

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 09:39
Peak Area (A-s): 0.761 Peak Height (A): 1.152
Background Pk Area (A-s): 0.343 Background Pk Height (A): 0.315
Blank Corrected Pk Area (A-s): 0.750
Concentration (ug/L): 163.57 Corrected Conc (ug/L): 817.8

Sample abs. is greater than that of the largest standard.
Replicate 2 Time: 09:43
Peak Area (A-s): 0.775 Peak Height (A): 1.179
Background Pk Area (A-s): 0.353 Background Pk Height (A): 0.339
Blank Corrected Pk Area (A-s): 0.765
Concentration (ug/L): 166.76 Corrected Conc (ug/L): 833.8

Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 165.16 SD: 2.256 RSD(%): 1.37
Corrected Conc (ug/L): 825.8

Recovery is 83.7% (outside of specified limits)

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Pb ID: ACCV Seq. No.: 00179 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 09:46
Peak Area (A-s): 0.156 Peak Height (A): 0.274
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 31.77

Replicate 2 Time: 09:49
Peak Area (A-s): 0.155 Peak Height (A): 0.274
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 31.58

Mean Conc (ug/L): 31.67 SD: 0.138 RSD(%): 0.44

QC sample is within range 31.50 - 38.50

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Pb ID: CCB Seq. No.: 00180 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 09:52
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.011
Concentration (ug/L): -2.26

Replicate 2 Time: 09:56
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -2.10

Mean Conc (ug/L): -2.18 SD: 0.114 RSD(%): 5.21

QC sample is within range -3.00 - 3.00

Pb ID: 9503G001-014 Seq. No.: 00181 A/S Pos.: 56 Date: 04/05/95

Replicate 1 Time: 09:59
Peak Area (A-s): 0.014 Peak Height (A): 0.032
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.74

Replicate 2 Time: 10:02
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.68

Mean Conc (ug/L): -0.47 SD: 1.709 RSD(%): 361.92

Pb ID: 9503G001-014 Seq. No.: 00182 A/S Pos.: 56 Date: 04/05/95

Replicate 1 Time: 10:06
Peak Area (A-s): 0.110 Peak Height (A): 0.186
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 21.65

Replicate 2 Time: 10:09
Peak Area (A-s): 0.110 Peak Height (A): 0.196
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 21.78

Mean Conc (ug/L): 21.72 SD: 0.095 RSD(%): 0.44

Recovery is 111.0% 108.6%

Pb ID: 9503G001-015 Seq. No.: 00183 A/S Pos.: 57 Date: 04/05/95

Replicate 1 Time: 10:12
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): -0.009
Concentration (ug/L): -1.98

Replicate 2 Time: 10:15
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.64

Mean Conc (ug/L): -1.81 SD: 0.242 RSD(%): 13.41

Pb ID: 9503G001-015 Seq. No.: 00184 A/S Pos.: 57 Date: 04/05/95

Replicate 1 Time: 10:19
Peak Area (A-s): 0.112 Peak Height (A): 0.169
Backgrou Pk Area (A-s): 0.019 Background Pk Height (A): ' 28

Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 22.17

Replicate 2 Time: 10:22
Peak Area (A-s): 0.112 Peak Height (A): 0.199
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 22.09

Mean Conc (ug/L): 22.13 SD: 0.058 RSD(%): 0.26

Recovery is 119.7% (outside of specified limits)

Pb ID: 9503G001-016 Seq. No.: 00185 A/S Pos.: 58 Date: 04/05/95

Replicate 1 Time: 10:25
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.56

Replicate 2 Time: 10:29
Peak Area (A-s): 0.008 Peak Height (A): 0.015
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.59

Mean Conc (ug/L): -0.57 SD: 0.016 RSD(%): 2.82

Pb ID: 9503G001-016 Seq. No.: 00186 A/S Pos.: 58 Date: 04/05/95

Replicate 1 Time: 10:32
Peak Area (A-s): 0.125 Peak Height (A): 0.198
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.114
Concentration (ug/L): 25.02

Replicate 2 Time: 10:35
Peak Area (A-s): 0.119 Peak Height (A): 0.184
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 23.59

Mean Conc (ug/L): 24.30 SD: 1.011 RSD(%): 4.16

Recovery is 124.4% (outside of specified limits)

Pb ID: ACCV Seq. No.: 00188 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 10:44
Peak Area (A-s): 0.155 Peak Height (A): 0.223
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.144
Concentration (ug/L): 31.52

Replicat 2 Time: 10:47

Peak Area (A-s): 0.156 Peak Height (A): 0.217
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 31.75

Mean Conc (ug/L): 31.63 SD: 0.158 RSD(%): 0.50

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Pb ID: CCB Seq. No.: 00189 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 10:50
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -2.18

Replicate 2 Time: 10:54
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -2.15

Mean Conc (ug/L): -2.16 SD: 0.020 RSD(%): 0.93
~~~~~~

Run 1

IDL = 1.5 ug/L

669

WESTON Analytics AA3.3 Report

Data File:SE0330SX Date collected: 95/03/30 Time:
Method File: Date of Report: Time:
Analyst: BPH/PFK Remarks:

	SE ppb				
AICV	34.89	MSETO	1		16:09
ICB	0.23	MSETO	1		16:15
CRA	5.33	MSETO	1		16:21
ACCV } 1	25.17	MSETO	1		16:26
CCB	0.18	MSETO	1		16:32
• 95036891-002	1.52	MSETO	1	NONE	16:49
ACCV } 2	24.58	MSETO	1		17:17
CCB	0.64	MSETO	1		17:23
X 95036932-002	-1.45	MSETO	5	956F722	17:29
95036942-016	1.06	MSETO	2	956F728	17:40
95036942-016R	2.36	MSETO	2		17:51
95036942-016S	4.27	MSETO	2		18:02
ACCV } 3	22.84	MSETO	1		18:14
CCB	-0.10	MSETO	1		18:19
956F733-MB1	0.21	MSETO	1	956F733	18:25
956F733-LC1	9.01	MSETO	1		18:36
956F733-LC2	9.50	MSETO	1		18:47
95036973-006	1.97	MSETO	1		18:58
ACCV } 4	23.28	MSETO	1		19:10
CCB	0.82	MSETO	1		19:15
95036973-006R	0.67	MSETO	1		19:21
95036973-006S	9.89	MSETO	1		19:32
95036973-007	2.19	MSETO	1		19:43
956F735-MB1	-0.25	MSETO	1	956F735	19:54
ACCV } 5	24.26	MSETO	1		20:05
CCB	0.04	MSETO	1		20:11
956F735-LC1	8.50	MSETO	1		20:17
• 95036001-017	1.32 W	MSETO	1		20:28
95036001-017R	1.05	MSETO	1		20:39
95036001-017S	10.18	MSETO	1		20:50
ACCV } 6	24.02	MSETO	1		21:01
CCB	0.08	MSETO	1		21:07
95036001-018	0.11 W	MSETO	1		21:13
95036001-019	0.80	MSETO	1		21:24
95036001-020	1.60	MSETO	1		21:35
95036001-021	0.95	MSETO	1		21:46
ACCV } 7	23.70	MSETO	1		21:58
CCB	-0.30	MSETO	1		22:03
95036001-022	-1.01 W	MSETO	1		22:09
956F734-MB1	-0.02	MSETO	1	956F734	22:20
956F734-LC1	9.60	MSETO	1		22:31
956F734-LC2	8.93	MSETO	1		22:43
ACCV } 8	24.40	MSETO	1		22:54
CCB	0.13	MSETO	1		23:00
95036933-001	1.20	MSETO	1		23:05
95036933-002	1.22	MSETO	1		23:16
95036933-003	0.60	MSETO	1		23:28
95036933-004	0.36	MSETO	1		23:39
ACCV	22.97	MSETO	1		23:50
CCB	0.64	MSETO	1		23:56

Paul Hobermyr updated PFK 4/1/95

Debbie Kelly 3/31/95

Bryan [illegible] 3/31/95

WESTON Environmental Metrics, Inc.
AA3 - PE5100 GFAA Sample Analysis Log

OP No. 21-21G-1534
Rev. 01; Eff. Date 03/06/95

Element: SE Lamp: EDL Current: 215 Filename: SE0330R3 Energy: 55

Prep Batch / Matrix: IDL | F722 | F728 | F733 | F734 QC: a. Standard b. CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6	9503G891-002				IDL
7	002				↓
8	002	NOT NEEDED DO NOT REPORT			↓
9	002	↓			↓
10	9503G932-002 5x				F722/STD/H2O
11	9503G942-016 2x				F728/STD/SOIL
12	(R)				
13	(S) ↓				
14	95GF733-MB1				F733/STD/SOIL
15	LC1				
16	LC2				
17	9503G973-006				
18	(R)				
19	(S)				
20	007				
21	95GF735-MB1				F735/CLP/SOIL
22	LC1				
23	9503G001-017				
24	(R)				
25	(S)				
26	018				
27	019				
28	020				
29	021				
30	022				DELV.
31	95GF734-MB1				F734/CLP/H2O
32	LC1				
33	LC2				
34	9503G933-001				
35	002				
36	003				
37	004				
38	BPH 3/30/95 0085				
39	35.00 PPB QC SOLN.				
40	BLANK H2O				

Analyst: [signature] / Paul Tr. Kolarczyk Date: 3/30/95

Reviewer: [signature] Date: 4/4/95

Page: 44

Cont on Page 45

Element File: SE_CLP.GEL
Element: Se Analyst: BPH/PFK
Print Data: Main+Suppl. Peak Storage: None
Remarks:
Matrix Modifier: 5ul Pd(NO3)2 & Mg(NO3)2
Standard: 1276-72-5 ; QC: 1276-71-7
SE EDL SERIAL #1286
ANALYST-BRYAN HOST/PAUL KOLARCZYK
IDL= 1.5

INSTRUMENT: 5100 Technique: HGA
Wavelength: 196.0 Slew Slit: 2.00 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 7.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 2 if <= 50 ug/L, 2 if > 50.1 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.00		40	20	8	5	
Standard 1	S5.00	5.00	4	20	8	5	
Standard 2	S10.00	10.00	5	8	20	5	
Standard 3	S20.00	20.00	5	16	12	5	
Standard 4	S40.00	40.00	1	16	12	5	
Standard 5	S50.00	50.00	1	20	8	5	
Samples				20	8	5	

Diluent Location: 40
Modifier #1 Location: 0 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	100	6	3	300		Norm
2	140	40	5	300		Norm
3	900	20	10	300		Norm
4	20	1	10	300		Norm
5	2100	0	7	0	*	Norm
6	2700	1	8	300		Norm

Injection Temp: 75 Pipette Speed: 75%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Print Message Only
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: Yes

If %RSD > 20.0 and Concentration > 5.0 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
8 uL of 25.00 ug/L Standard at Location 5 Gives 10.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	31.5	38.5	X			
2	3	ICB	-3.5	2	X			
3	4	CRA	2.5	7.5	X			X
4	2	ACCV	22.5	27.5	X	X	X	
5	3	CCB	-3.5	2.0	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Bryan HGA

Element File: SE_CLP.GEL Element: Se Wavelength: 196.0
Date: 03/30/95 Time: 15:29 Slit: 2.00 L
Data File: SE0330R3.DAT ID/Wt File: SE033003.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 55
Remark 1: Matrix Modifier: 5ul Pd(NO3)2 & Mg(NO3)2
Remark 2: Standard: 1276-72-5 ; QC: 1276-71-7
Remark 3: SE EDL SERIAL #1286
Remark 4: ANALYST-BRYAN HOST/PAUL KOLARCZYK
Remark 5: IDL= 1.5

Se ID: S0.00 Seq. No.: 00001 A/S Pos.: 40 Date: 03/30/95

SAVED SE0330RX ~~PRN~~ SX .PRN STD 9/31/95

Replicate 1 Time: 15:33
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 1.49

Replicate 2 Time: 15:35
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.71

Mean Conc (ug/L): 1.10 SD: 0.552 RSD(%): 49.93

Auto-zero performed.

Se ID: S5.00 Seq. No.: 00002 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 15:38
Peak Area (A-s): 0.021 Peak Height (A): 0.023
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 4.28

```
Replicate  2                                      Time: 15:41
Peak Area (A-s): 0.018                            Peak Height (A): 0.022
Background Pk Area (A-s): 0.065                   Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L  ): 3.41

Mean Conc  (ug/L  ):        3.85                  SD: 0.621             RSD(%): 16.16

Standard number 1 applied.  [5.00]
Correlation coefficient: 1.00000                  Slope: 0.0031         Int: 0.000
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Se     ID: S10.00            Seq. No.: 00003    A/S Pos.: 5     Date: 03/30/95

Replicate  1                                      Time: 15:44
Peak Area (A-s): 0.033                            Peak Height (A): 0.039
Background Pk Area (A-s): 0.070                   Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L  ): 9.60

Replicate  2                                      Time: 15:47
Peak Area (A-s): 0.037                            Peak Height (A): 0.041
Background Pk Area (A-s): 0.067                   Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L  ): 10.74

Mean Conc  (ug/L  ):        10.17                 SD: 0.806             RSD(%): 7.93

Standard number 2 applied.  [10.00]
Correlation coefficient: 0.99995                  Slope: 0.0032         Int: -0.000
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Se     ID: S20.00            Seq. No.: 00004    A/S Pos.: 5     Date: 03/30/95

Replicate  1                                      Time: 15:50
Peak Area (A-s): 0.072                            Peak Height (A): 0.073
Background Pk Area (A-s): 0.081                   Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L  ): 21.57

Replicate  2                                      Time: 15:53
Peak Area (A-s): 0.075                            Peak Height (A): 0.072
Background Pk Area (A-s): 0.080                   Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L  ): 22.69

Mean Conc  (ug/L  ):        22.13                 SD: 0.790             RSD(%): 3.57

Standard number 3 applied.  [20.00]
Correlation coefficient: 0.99855                  Slope: 0.0035         Int: -0.001
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Se     ID: S40.00            Seq. No.: 00005    A/S Pos.: 1     Date: 03/30/95

Replicate  1                                      Time: 15:55
Peak Are.   -s): 0.153                            Peak Height (A): 0.137
Backgroun. Pk Area (A-s): 0.096                   Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.149
```

Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 42.84

Replicate 2 Time: 15:58
Peak Area (A-s): 0.155 Peak Height (A): 0.145
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 43.59

Mean Conc (ug/L): 43.22 SD: 0.533 RSD(%): 1.23

Standard number 4 applied. [40.00]
Correlation coefficient: 0.99895 Slope: 0.0038 Int: -0.003

Se ID: S50.00 Seq. No.: 00006 A/S Pos.: 1 Date: 03/30/95

Replicate 1 Time: 16:01
Peak Area (A-s): 0.193 Peak Height (A): 0.172
Background Pk Area (A-s): 0.103 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.189
Concentration (ug/L): 50.67

Replicate 2 Time: 16:04
Peak Area (A-s): 0.188 Peak Height (A): 0.174
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.184
Concentration (ug/L): 49.35

Mean Conc (ug/L): 50.01 SD: 0.933 RSD(%): 1.87

Standard number 5 applied. [50.00]
Correlation coefficient: 0.99948 ✓ Slope: 0.0038 ✓ Int: -0.003 ✓

Se ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 03/30/95

Replicate 1 Time: 16:07
Peak Area (A-s): 0.134 Peak Height (A): 0.124
Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 35.17

Replicate 2 Time: 16:09
Peak Area (A-s): 0.132 Peak Height (A): 0.120
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 34.60

Mean Conc (ug/L): 34.89 SD: 0.404 RSD(%): 1.16 ✓

QC sample is within range 31.5 - 38.5 ✓

Se ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 16:12
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.0[illegible]
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.34

Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.34

Replicate 2 Time: 16:15
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.12

Mean Conc (ug/L): 0.23 SD: 0.157 RSD(%): 69.51

QC sample is within range -3.5 - 2

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Se ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 16:18
Peak Area (A-s): 0.020 Peak Height (A): 0.021
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 5.12

Replicate 2 Time: 16:21
Peak Area (A-s): 0.021 Peak Height (A): 0.022
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.53

Mean Conc (ug/L): 5.33 SD: 0.289 RSD(%): 5.43

QC sample is within range 2.5 - 7.5

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Se ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 16:24
Peak Area (A-s): 0.096 Peak Height (A): 0.089
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 25.20

Replicate 2 Time: 16:26
Peak Area (A-s): 0.096 Peak Height (A): 0.094
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 25.14

Mean Conc (ug/L): 25.17 SD: 0.042 RSD(%): 0.17

QC sample is within range 22.5 - 27.5

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Se ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 16:29
Peak Area (A-s): 0.000 Peak Height (A): 0.010
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.[illegible]
Blank Cor[illegible]ted Pk Area (A-s): -0.003
Concentra[illegible]n (ug/L): 0.09

Replicate 2
~~~~~~

Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 11.47

Mean Conc (ug/L): 10.77 SD: 0.995 RSD(%): 9.24

Se ID: 9503G891-002 Seq. No.: 00017 A/S Pos.: 6 Date: 03/30/95

Replicate 1 Time: 16:54
Peak Area (A-s): 0.039 Peak Height (A): 0.041
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 10.20

Replicate 2 Time: 16:57
Peak Area (A-s): 0.042 Peak Height (A): 0.045
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 11.05

Mean Conc (ug/L): 10.63 SD: 0.596 RSD(%): 5.61

Se ID: 9503G891-002 Seq. No.: 00018 A/S Pos.: 6 Date: 03/30/95

Replicate 1 Time: 16:59
Peak Area (A-s): 0.044 Peak Height (A): 0.045
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 11.62

Replicate 2 Time: 17:02
Peak Area (A-s): 0.044 Peak Height (A): 0.046
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 11.45

Mean Conc (ug/L): 11.53 SD: 0.123 RSD(%): 1.07

Recovery is 9.1%

Se ID: 9503G891-002 Seq. No.: 00019 A/S Pos.: 7 Date: 03/30/95

Replicate 1 Time: 17:05
Peak Area (A-s): 0.042 Peak Height (A): 0.037
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 10.97

Replicate 2 Time: 17:08
Peak Area (A-s): 0.041 Peak Height (A): 0.039
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 10.66 (A-1) = 0.5069 (x3) = 1.5207

Mean Conc (ug/L): 10.81 SD: 0.224 RSD(%): 2.07

Se ID: [redacted]CV Seq. No.: 00022 A/S Pos.: 2 Date: [redacted]/30/95

Replicate 1

Se ID: ACCV Seq. No.: 0001[illegible] A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 17:14

Peak Area (A-s): 0.093 Peak Height (A): 0.090
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 24.54

Replicate 2 Time: 17:17
Peak Area (A-s): 0.094 Peak Height (A): 0.090
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 24.62

Mean Conc (ug/L): 24.58 SD: 0.055 RSD(%): 0.22

~~~~~~

Se ID: CCB Seq. No.: 00023 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 17:20
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.26

Replicate 2 Time: 17:23
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 1.02

Mean Conc (ug/L): 0.64 SD: 0.537 RSD(%): 83.74

~~~~~~

Se ID: 9503G932-002 5X Seq. No.: 00025 A/S Pos.: 10 Date: 03/30/95

Replicate 1 Time: 17:26
Peak Area (A-s): -0.006 Peak Height (A): 0.021
Background Pk Area (A-s): 1.601 Background Pk Height (A): 1.352
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -1.71

Replicate 2 Time: 17:29
Peak Area (A-s): -0.004 Peak Height (A): 0.030
Background Pk Area (A-s): 1.656 Background Pk Height (A): 1.308
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.19

Mean Conc (ug/L): -1.45 SD: 0.362 RSD(%): 25.00

~~~~~~

Se ID: 9503G932-002 5X Seq. No.: 00026 A/S Pos.: 10 Date: 03/30/95

Replicate 1 Time: 17:32
Peak Area (A-s): 0.015 Peak Height (A): 0.047
Background Pk Area (A-s): 1.586 Background Pk Height (A): 1.034
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 4.04

Replicate 2 Time: 17:35
~~~~~~

Concentration (ug/L): 2.11

Mean Conc (ug/L): 2.36 SD: 0.355 RSD(%): 15.01

~~~~~~

Se ID: 9503G942-016R 2 Seq. No.: 00030 A/S Pos.: 12 Date: 03/30/95

Replicate 1 Time: 17:54
Peak Area (A-s): 0.038 Peak Height (A): 0.041
Background Pk Area (A-s): 0.911 Background Pk Height (A): 0.564
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 9.91

Replicate 2 Time: 17:57
Peak Area (A-s): 0.037 Peak Height (A): 0.048
Background Pk Area (A-s): 0.912 Background Pk Height (A): 0.562
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 9.68

Mean Conc (ug/L): 9.79 SD: 0.164 RSD(%): 1.68

Recovery is 74.3% ✓

~~~~~~

Se ID: 9503G942-016S 2 Seq. No.: 00031 A/S Pos.: 13 Date: 03/30/95

Replicate 1 Time: 18:00
Peak Area (A-s): 0.014 Peak Height (A): 0.024
Background Pk Area (A-s): 0.988 Background Pk Height (A): 0.737
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 3.72

Replicate 2 Time: 18:02
Peak Area (A-s): 0.018 Peak Height (A): 0.024
Background Pk Area (A-s): 0.971 Background Pk Height (A): 0.718
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 4.82

Mean Conc (ug/L): 4.27 95.4% SD: 0.779 RSD(%): 18.23

~~~~~~

Se ID: 9503G942-016S 2 Seq. No.: 00032 A/S Pos.: 13 Date: 03/30/95

Replicate 1 Time: 18:05
Peak Area (A-s): 0.050 Peak Height (A): 0.049
Background Pk Area (A-s): 0.901 Background Pk Height (A): 0.604
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 13.16

Replicate 2 Time: 18:08
Peak Area (A-s): 0.047 Peak Height (A): 0.050
Background Pk Area (A-s): 0.894 Background Pk Height (A): 0.586
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 12.42

Mean Conc (ug/L): 12.79 SD: 0.528 RSD(%): 4.13

Recovery is 85.2% ✓

~~~~~~

Se ID: [illegible] V 3 Seq. No.: 00033 A/S Pos.: 2 Date: [illegible]/30/95

Replicate 1

Se ID: ACCV Seq. No.: 00033 A/S Pos.: 2 Date: 03/30/95

089

Replicate 1 Time: 18:11

Peak Area (A-s): 0.085 Peak Height (A): 0.103
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 22.29

Replicate 2 Time: 18:14
Peak Area (A-s): 0.089 Peak Height (A): 0.107
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 23.39

Mean Conc (ug/L): 22.84 SD: 0.777 RSD(%): 3.40

QC sample is within range 22.5 - 27.5

~~~~~~

Se ID: CCB 3 Seq. No.: 00034 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 18:17
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.46

Replicate 2 Time: 18:19
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -0.66

Mean Conc (ug/L): -0.10 SD: 0.795 RSD(%): 816.22

QC sample is within range -3.5 - 2.0

~~~~~~

Se ID: 95GF733-MB1 Seq. No.: 00035 A/S Pos.: 14 Date: 03/30/95

Replicate 1 Time: 18:22
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.13

F733/STD/SOIL

Replicate 2 Time: 18:25
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.55

Mean Conc (ug/L): 0.21 SD: 0.477 RSD(%): 227.52

~~~~~~

Se ID: 95GF733-MB1 Seq. No.: 00036 A/S Pos.: 14 Date: 03/30/95

Replicate Time: 18:28
Peak Area -s): 0.037 Peak Height (A): 0.042
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.033
~~~~~~

Recovery is 80.7% 100.4%

681

Se ID: ACCV 4 Seq. No.: 00043 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 19:07
Peak Area (A-s): 0.090 Peak Height (A): 0.109
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 23.57

Replicate 2 Time: 19:10
Peak Area (A-s): 0.087 Peak Height (A): 0.107
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 22.99

Mean Conc (ug/L): 23.28 SD: 0.409 RSD(%): 1.76

QC sample is within range 22.5 - 27.5 ✓

Se ID: CCB 4 Seq. No.: 00044 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 19:12
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 1.05

Replicate 2 Time: 19:15
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.60

Mean Conc (ug/L): 0.82 SD: 0.314 RSD(%): 38.18

QC sample is within range -3.5 - 2.0

Se ID: 9503G973-006R Seq. No.: 00045 A/S Pos.: 18 Date: 03/30/95

Replicate 1 Time: 19:18
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.241 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.55

Replicate 2 Time: 19:21
Peak Area (A-s): -0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.248 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.20

Mean Conc (ug/L): 0.67 SD: 1.234 RSD(%): 183.44

Se ID: 9503G973-006R Seq. No.: 00046 A/S Pos.: 18 Date: 03/30/95

Backgr[illegible]nd Pk Area (A-s): 0.267 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 2.01

682

Replicate 2 Time: 19:43
Peak Area (A-s): 0.009 Peak Height (A): 0.015
Background Pk Area (A-s): 0.277 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.37

Mean Conc (ug/L): 2.19 SD: 0.253 RSD(%): 11.55

~~~~~~

Se ID: 9503G973-007 Seq. No.: 00050 A/S Pos.: 20 Date: 03/30/95

Replicate 1 Time: 19:46
Peak Area (A-s): 0.046 Peak Height (A): 0.042
Background Pk Area (A-s): 0.285 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 12.02

Replicate 2 Time: 19:48
Peak Area (A-s): 0.044 Peak Height (A): 0.044
Background Pk Area (A-s): 0.290 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 11.43

Mean Conc (ug/L): 11.72 SD: 0.417 RSD(%): 3.56

Recovery is 95.3% ✓

~~~~~~

Se ID: 95GF735-MB1 Seq. No.: 00051 A/S Pos.: 21 Date: 03/30/95

Replicate 1 Time: 19:51
Peak Area (A-s): -0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -0.55

F935/CCP/SOIL

Replicate 2 Time: 19:54
Peak Area (A-s): 0.000 Peak Height (A): 0.008
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.04

Mean Conc (ug/L): -0.25 SD: 0.418 RSD(%): 164.92

~~~~~~

Se ID: 95GF735-MB1 Seq. No.: 00052 A/S Pos.: 21 Date: 03/30/95

Replicate 1 Time: 19:57
Peak Area (A-s): 0.033 Peak Height (A): 0.045
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 8.73

Replicate 2 Time: 20:00
Peak Area (A-s): 0.034 Peak Height (A): 0.044
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.02[illegible]
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 8.89
~~~~~~

Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 8.89

683

Mean Conc (ug/L): 8.81 SD: 0.113 RSD(%): 1.29

Recovery is 90.6% 98.1%

~~~~~~

Se ID: ACCV 5 Seq. No.: 00053 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 20:02
Peak Area (A-s): 0.091 Peak Height (A): 0.105
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 23.85

Replicate 2 Time: 20:05
Peak Area (A-s): 0.094 Peak Height (A): 0.110
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 24.67

Mean Conc (ug/L): 24.26 SD: 0.585 RSD(%): 2.41

QC sample is within range 22.5 - 27.5 ✓

~~~~~~

Se ID: CCB 5 Seq. No.: 00054 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 20:08
Peak Area (A-s): 0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.17

Replicate 2 Time: 20:11
Peak Area (A-s): -0.000 Peak Height (A): 0.008
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.09

Mean Conc (ug/L): 0.04 SD: 0.184 RSD(%): 414.12

QC sample is within range -3.5 - 2.0

~~~~~~

Se ID: 95GF735-LC1 Seq. No.: 00055 A/S Pos.: 22 Date: 03/30/95

Replicate 1 Time: 20:14
Peak Area (A-s): 0.033 Peak Height (A): 0.039
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.54

Replicate 2 Time: 20:17
Peak Area (A-s): 0.032 Peak Height (A): 0.039
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.47

Mean Conc (ug/L): 8.50 95.0% SD: 0.051 RSD(%): 0.60
~~~~~~

Mean Conc (ug/L): 8.50 85.0% SD: 0.051 RSD(%): 0.60

684

Se ID: 95GF735-LC1 Seq. No.: 00056 A/S Pos.: 22 Date: 03/30/95

Replicate 1 Time: 20:19
Peak Area (A-s): 0.076 Peak Height (A): 0.086
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 19.85

Replicate 2 Time: 20:22
Peak Area (A-s): 0.075 Peak Height (A): 0.083
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 19.80

Mean Conc (ug/L): 19.82 SD: 0.041 RSD(%): 0.21

Recovery is 113.2%

Se ID: 9503G001-017 Seq. No.: 00057 A/S Pos.: 23 Date: 03/30/95

Replicate 1 Time: 20:25
Peak Area (A-s): 0.010 Peak Height (A): 0.014
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.47

Replicate 2 Time: 20:28
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.18

Mean Conc (ug/L): 1.32 SD: 1.624 RSD(%): 122.63

Se ID: 9503G001-017 Seq. No.: 00058 A/S Pos.: 23 Date: 03/30/95

Replicate 1 Time: 20:30
Peak Area (A-s): 0.044 Peak Height (A): 0.066
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 11.55

Replicate 2 Time: 20:33
Peak Area (A-s): 0.044 Peak Height (A): 0.067
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 11.65

Mean Conc (ug/L): 11.60 SD: 0.071 RSD(%): 0.61

Recovery is 102.7% 116.0%

Se ID: G001-017R Seq. No.: 00059 A/S Pos.: 24 Date: 03/30/95

Replicate 1

Se ID: 9503G001-017R Seq. No.: 00059 A/S Pos.: 24 Date: 03/30/95

685

Replicate 1 Time: 20:36

Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.75

Replicate 2 Time: 20:39
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.34

Mean Conc (ug/L): 1.05 SD: 0.416 RSD(%): 39.84

~~~~~~

Se ID: 9503G001-017R Seq. No.: 00060 A/S Pos.: 24 Date: 03/30/95

Replicate 1 Time: 20:41
Peak Area (A-s): 0.044 Peak Height (A): 0.066
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 11.43

Replicate 2 Time: 20:44
Peak Area (A-s): 0.042 Peak Height (A): 0.068
Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 11.02

Mean Conc (ug/L): 11.23 SD: 0.288 RSD(%): 2.57

Recovery is 101.8% 110.3%

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Se ID: 9503G001-017S Seq. No.: 00061 A/S Pos.: 25 Date: 03/30/95

Replicate 1 Time: 20:47
Peak Area (A-s): 0.041 Peak Height (A): 0.057
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 10.78

Replicate 2 Time: 20:50
Peak Area (A-s): 0.037 Peak Height (A): 0.054
Background Pk Area (A-s): 0.103 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 9.58

Mean Conc (ug/L): 10.18 101.8% SD: 0.852 RSD(%): 8.36

~~~~~~

Se ID: 9503G001-017S Seq. No.: 00062 A/S Pos.: 25 Date: 03/30/95

Replicate 1 Time: 20:53
Peak Area (A-s): 0.072 Peak Height (A): 0.122
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.0
Blank Corr d Pk Area (A-s): 0.069
Concentrat (ug/L): 18.97

Replicate 2
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Concentration (ug/L): 18.97

Replicate 2 Time: 20:55

Peak Area (A-s): 0.077 Peak Height (A): 0.113
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 20.11

Mean Conc (ug/L): 19.54 SD: 0.806 RSD(%): 4.12

Recovery is 93.6%

~~~~~~

Se ID: ACCV Seq. No.: 00063 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 20:58
Peak Area (A-s): 0.091 Peak Height (A): 0.108
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 23.84

Replicate 2 Time: 21:01
Peak Area (A-s): 0.092 Peak Height (A): 0.105
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 24.20

Mean Conc (ug/L): 24.02 SD: 0.251 RSD(%): 1.05

QC sample is within range 22.5 - 27.5

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Se ID: CCB Seq. No.: 00064 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 21:04
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.78

Replicate 2 Time: 21:07
Peak Area (A-s): -0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -0.61

Mean Conc (ug/L): 0.08 SD: 0.987 RSD(%): 1187.61

QC sample is within range -3.5 - 2.0

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Se ID: 9503G001-018 Seq. No.: 00065 A/S Pos.: 26 Date: 03/30/95

Replicate 1 Time: 21:10
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.287 Background Pk Height (A): 0.229
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.15

Replicate 2 Time: 21:13
Peak Area (A-s): 0.002 Peak Height (A): [illegible]
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Replicate 2 Time: 21:1?
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.289 Background Pk Height (A): 0.228

687

Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.36

Mean Conc (ug/L): 0.11 SD: 0.364 RSD(%): 340.82

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Se ID: 9503G001-018 Seq. No.: 00066 A/S Pos.: 26 Date: 03/30/95

Replicate 1 Time: 21:15
Peak Area (A-s): 0.031 Peak Height (A): 0.039
Background Pk Area (A-s): 0.288 Background Pk Height (A): 0.219
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 8.05

Replicate 2 Time: 21:18
Peak Area (A-s): 0.033 Peak Height (A): 0.044
Background Pk Area (A-s): 0.286 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.58

Mean Conc (ug/L): 8.31 SD: 0.375 RSD(%): 4.51

Recovery is 82.1% 83.1%

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Se ID: 9503G001-019 Seq. No.: 00067 A/S Pos.: 27 Date: 03/30/95

Replicate 1 Time: 21:21
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.35

Replicate 2 Time: 21:24
Peak Area (A-s): 0.005 Peak Height (A): 0.009
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 1.24

Mean Conc (ug/L): 0.80 SD: 0.624 RSD(%): 78.39

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Se ID: 9503G001-019 Seq. No.: 00068 A/S Pos.: 27 Date: 03/30/95

Replicate 1 Time: 21:27
Peak Area (A-s): 0.040 Peak Height (A): 0.055
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 10.58

Replicate 2 Time: 21:29
Peak Area (A-s): 0.034 Peak Height (A): 0.053
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.031
Concentra) (ug/L): 9.02

Mean Conc (ug/L): 9.80 SD: 1.103 RSD(%): 11.25
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Mean Conc (ug/L): 7.60 SD: [illegible] RSD(%): [illegible]

Recovery is 90.1% 90.0%

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Se ID: 9503G001-020 Seq. No.: 00069 A/S Pos.: 28 Date: 03/30/95

Replicate 1 Time: 21:32
Peak Area (A-s): 0.006 Peak Height (A): 0.013
Background Pk Area (A-s): 0.101 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.47

Replicate 2 Time: 21:35
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.73

Mean Conc (ug/L): 1.60 SD: 0.179 RSD(%): 11.21

~~~~~~

Se ID: 9503G001-020 Seq. No.: 00070 A/S Pos.: 28 Date: 03/30/95

Replicate 1 Time: 21:38
Peak Area (A-s): 0.043 Peak Height (A): 0.069
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 11.17

Replicate 2 Time: 21:41
Peak Area (A-s): 0.047 Peak Height (A): 0.070
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 12.22

Mean Conc (ug/L): 11.69 SD: 0.743 RSD(%): 6.35

Recovery is 100.9% ✓

~~~~~~

Se ID: 9503G001-021 Seq. No.: 00071 A/S Pos.: 29 Date: 03/30/95

Replicate 1 Time: 21:44
Peak Area (A-s): 0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.68

Replicate 2 Time: 21:46
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.23

Mean Conc (ug/L): 0.95 SD: 1.020 RSD(%): 106.86

~~~~~~

Se ID: 9503G001-021 Seq. No.: 00072 A/S Pos.: 29 Date /30/95

Replicate Time: 21:49
Peak Area (A-s): 0.039 Peak Height [illegible]

Replicate 1 Time: 21:4[illegible]
Peak Area (A-s): 0.039 Peak Height (A): 0.063
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.025

Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 10.32

Replicate 2 Time: 21:52
Peak Area (A-s): 0.040 Peak Height (A): 0.066
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 10.45

Mean Conc (ug/L): 10.38 SD: 0.091 RSD(%): 0.88

Recovery is 94.3% 103,8% ✓

~~~~~~

Se ID: ACCV X Seq. No.: 00073 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 21:55
Peak Area (A-s): 0.088 Peak Height (A): 0.104
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 23.08

Replicate 2 Time: 21:58
Peak Area (A-s): 0.093 Peak Height (A): 0.106
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 24.32 ✓

Mean Conc (ug/L): 23.70 SD: 0.881 RSD(%): 3.72

QC sample is within range 22.5 - 27.5

~~~~~~

Se ID: CCB X Seq. No.: 00074 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 22:00
Peak Area (A-s): -0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.46

Replicate 2 Time: 22:03
Peak Area (A-s): -0.000 Peak Height (A): 0.010
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.14

Mean Conc (ug/L): -0.30 SD: 0.232 RSD(%): 77.34

QC sample is within range -3.5 - 2.0

~~~~~~

Se ID: 9503G001-022 W Seq. No.: 00075 A/S Pos.: 30 Date: 03/30/95

Replicate Time: 22:06
Peak Area[illegible] s): -0.002 Peak Height (A): 0.011
Backgroun[illegible]k Area (A-s): 0.750 Background Pk Height (A): 0.820
Blank Corrected Pk Area (A-s): -0.005
~~~~~~

Background Pk Area (A-s): 0.750 Background Pk Height (A): ...
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.51

690

Replicate 2 Time: 22:09
Peak Area (A-s): -0.006 Peak Height (A): 0.017
Background Pk Area (A-s): 0.741 Background Pk Height (A): 0.799
Blank Corrected Pk Area (A-s): -0.009
Concentration (ug/L): -1.51

Mean Conc (ug/L): -1.01 SD: 0.708 RSD(%): 69.87

~~~~~~

Se ID: 9503G001-022 Seq. No.: 00076 A/S Pos.: 30 Date: 03/30/95

Replicate 1 Time: 22:12
Peak Area (A-s): 0.031 Peak Height (A): 0.039
Background Pk Area (A-s): 0.647 Background Pk Height (A): 0.631
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 8.18

Replicate 2 Time: 22:15
Peak Area (A-s): 0.031 Peak Height (A): 0.038
Background Pk Area (A-s): 0.646 Background Pk Height (A): 0.622
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 8.22

Mean Conc (ug/L): 8.20 SD: 0.026 RSD(%): 0.32

Recovery is 92.1% 82.0%

~~~~~~

Se ID: 95GF734-MB1 Seq. No.: 00077 A/S Pos.: 31 Date: 03/30/95

Replicate 1 Time: 22:17
Peak Area (A-s): -0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.12

F734/CLP DEW. / H2O

Replicate 2 Time: 22:20
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): 0.08

Mean Conc (ug/L): -0.02 SD: 0.141 RSD(%): 651.73

~~~~~~

Se ID: 95GF734-MB1 Seq. No.: 00078 A/S Pos.: 31 Date: 03/30/95

Replicate 1 Time: 22:23
Peak Area (A-s): 0.032 Peak Height (A): 0.039
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 8.46

Replicate 2 Time: 22:26
Peak Area (A-s): 0.036 Peak Height (A): 0.041
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.02
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 9.50
~~~~~~

~~~~~~

Se ID: 95GF734-LC2 Seq. No.: 00082 A/S Pos.: 33 Date: 03/30/95

Replicate 1 Time: 22:46
Peak Area (A-s): 0.070 Peak Height (A): 0.077
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 18.39

Replicate 2 Time: 22:48
Peak Area (A-s): 0.072 Peak Height (A): 0.080
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 18.95

Mean Conc (ug/L): 18.67 SD: 0.402 RSD(%): 2.15

Recovery is 97.4%

~~~~~~

Se ID: ACCV Seq. No.: 00083 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 22:51
Peak Area (A-s): 0.093 Peak Height (A): 0.106
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 24.51

Replicate 2 Time: 22:54
Peak Area (A-s): 0.092 Peak Height (A): 0.104
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 24.28

Mean Conc (ug/L): 24.40 SD: 0.159 RSD(%): 0.65

QC sample is within range 22.5 - 27.5

~~~~~~

Se ID: CCB Seq. No.: 00084 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 22:57
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -0.30

Replicate 2 Time: 23:00
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.56

Mean Conc (ug/L): 0.13 SD: 0.607 RSD(%) 467.82

QC sample within range -3.5 - 2.0
~~~~~~

(1)

WESTON Analytics AA3.2 Report

Run - 2

Data File:SE040512 Date Collected: 95/04/05 Time:
Method File: Date of Report: Time:
Analyst: RIF

IDL = 1.4 ug/L *

	SE ppb				
ICVF	35.83	MSETO	1		12:36
ICB	1.17	MSETO	1		12:40
CCVF1 } 1	24.52	MSETO	1		12:48
CCB1	0.17	MSETO	1		12:52
9503G047-001R	3.06	MSETOR	3	95GF740	12:56
9503G055-003S	9.16	MSETOS	1	95GF743	13:04
9503G055-005	0.38	MSETO	5		13:08
9503G055-007	-0.20	MSETO	5		13:16
9503G055-009	0.97	MSETO	5		13:23
CCVF2 } 2	26.09	MSETO	1		13:31
CCB2	0.21	MSETO	1		13:35
CRA	4.55	MSETO	1		13:40
CCVF3 } 3	25.36	MSETO	1		13:44
CCB3	0.90	MSETO	1		13:48
9503G055-011	-0.46	MSETO	5		13:52
9503G055-013	0.63	MSETO	5		14:00
9503G055-015	1.01	MSETO	5		14:08
9503G055-017	0.68	MSETO	5		14:16
9503G055-018	0.36	MSETO	5		14:24
CCVF4 } 4	26.33	MSETO	1		14:32
CCB4	-0.09	MSETO	1		14:36
9503G055-019	-0.03	MSETO	5		14:40
9503G055-020	0.66	MSETO	5		14:48
9503G055-022	1.42	MSETO	5		14:56
9503G055-024	0.48	MSETO	5		15:04
95GF745-MB1	0.72	MSETO	1	95GF745	15:22
CCVF5 } 5	24.68	MSETO	1		15:30
CCB5	0.59	MSETO	1		15:34
95GF745-LC1	9.59	MSELCS	1	95GF745	15:38
9503G001-002	2.32 W	MSESO	1		16:06
CCVF6 } 6	25.86	MSETO	1		16:14
CCB6	1.41	MSETO	1		16:18
9503G001-002R	1.02	MSESOR	1		16:22
9503G001-002S	9.18	MSESOS	1		16:29
9503G001-001	0.44	MSETO	5		16:33
9503G001-001R	1.19	MSETOR	5		16:41
9503G001-001S	2.78	MSETOS	5		16:49
CCVF7 } 7	24.97	MSETO	1		16:54
CCB7	-0.20	MSETO	1		16:58
9503G001-004	0.86	MSESO	1		17:10
9503G001-006	0.75	MSESO	1		17:25
CCVF8 } 8	22.90	MSETO	1		17:41
CCB8	0.38	MSETO	1		17:45
9503G001-008	0.65	MSESO	1		17:49
9503G001-010	-0.41	MSESO	1		18:05
9503G001-012	0.27	MSESO	1		18:21
CCVF9 } 9	24.52	MSETO	1		18:29
CCB9	-0.43	MSETO	1		18:33
9503G001-014	1.07	MSESO	1		18:45
9503G001-015	-0.04	MSETO	1		18:53
9503G001-016	-0.06	MSESO	1		19:01
CCVF10 } 10	25.01	MSETO	1		19:09
CCB10	-0.19	MSETO	1		19:13

Rec'd [illegible] 4/6/95

[illegible] 4/6/95

* AA3 1.5
AA5 1.4
report higher of the 2

692

OP No. 21-21G-1580
Rev. 00; Eff. Date 02/21/95

WESTON Environmental Metrics, Inc.
AA5 - GFAA PE3030 Analysis Run Log

Element: Se

Filename: Se0405T2

Lamp: EDL Current: 5.5 Energy: 50

QC (a.) Standard (b.) CLP

Autosampler Tray #1

Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
1	6	AICV				
2	7	ICB				
3	8	CRA				
4	9	ACCV				
5	10	CCB				
6	11	9503G047-001R3X			GF740	
7	12	A				
8	13	9503G055-003S			GF743	
9	14	-005 5X				
10	15	A				
11	16	-007 5X				
12	17	A				
13	18	-009 5X				
14	19	A				
15	20	ACCV				
16	21	CCB				
17	22	CRA Rerun				
18	23	ACCV				
19	24	CCB				
20	25	7/5 RR				
21	26	-011 5X				
22	27	A				
23	28	-013 5X				
24	29	A				
25	30	-015 5X				
26	31	A				
27	32	-017 5X				
28	33	A				
29	34	-018 5X				
30	35	A				
31	36	ACCV				
32	37	CCB				
33	38	-019 5X				
34	39	A				
35	40	-020 5X				

Autosampler Tray #2

Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
36	1	A				
37	2	-022 5X				
38	3	A				
39	4	-024 5X				
40	5	A				
41	6	95GF745-WB1	(CLP)		GF745	
42	7	A				
43	8	ACCV				
44	9	CCB				
45	10	-2C1				
46	11	A				
47	12	9503G001-001				
48	13	A				
49	14	-001R				
50	15	A				
51	16	-001S				
52	17	-002				
53	18	R				
54	19	ACCV				
55	20	CCB				
56	21	002R				
57	22	A				
58	23	-002S				
59	24	-001 5X				
60	25	A				
61	26	-001R5X				
62	27	A				
63	28	-001S5X				
64	29	ACCV				
65	30	CCB				
66	31	-003				
67	32	A				
68	33	-004				
69	34	A				
70	35	-005				
71	36	A				
72	37	-006				
73	38	A				
74	39	-007				
75	40	A				

Analyst: Ronald L Febsey Cont. on page 36 Date: 4/5/95

Reviewer: Jodi L Wojcik Date: 4/7/95

OP No. 21-21G-1500
Rev. 00; Eff. Date 02/21/95

WESTON Environmental Metrics, Inc.
AAS - GFAA PE5030 Analysis Run Log

Element: Se

Filename: Se040595

Lamp: EDL Current: 5.5 Energy: 50

QC (a) Standard (b) CLP

Autosampler Tray #1

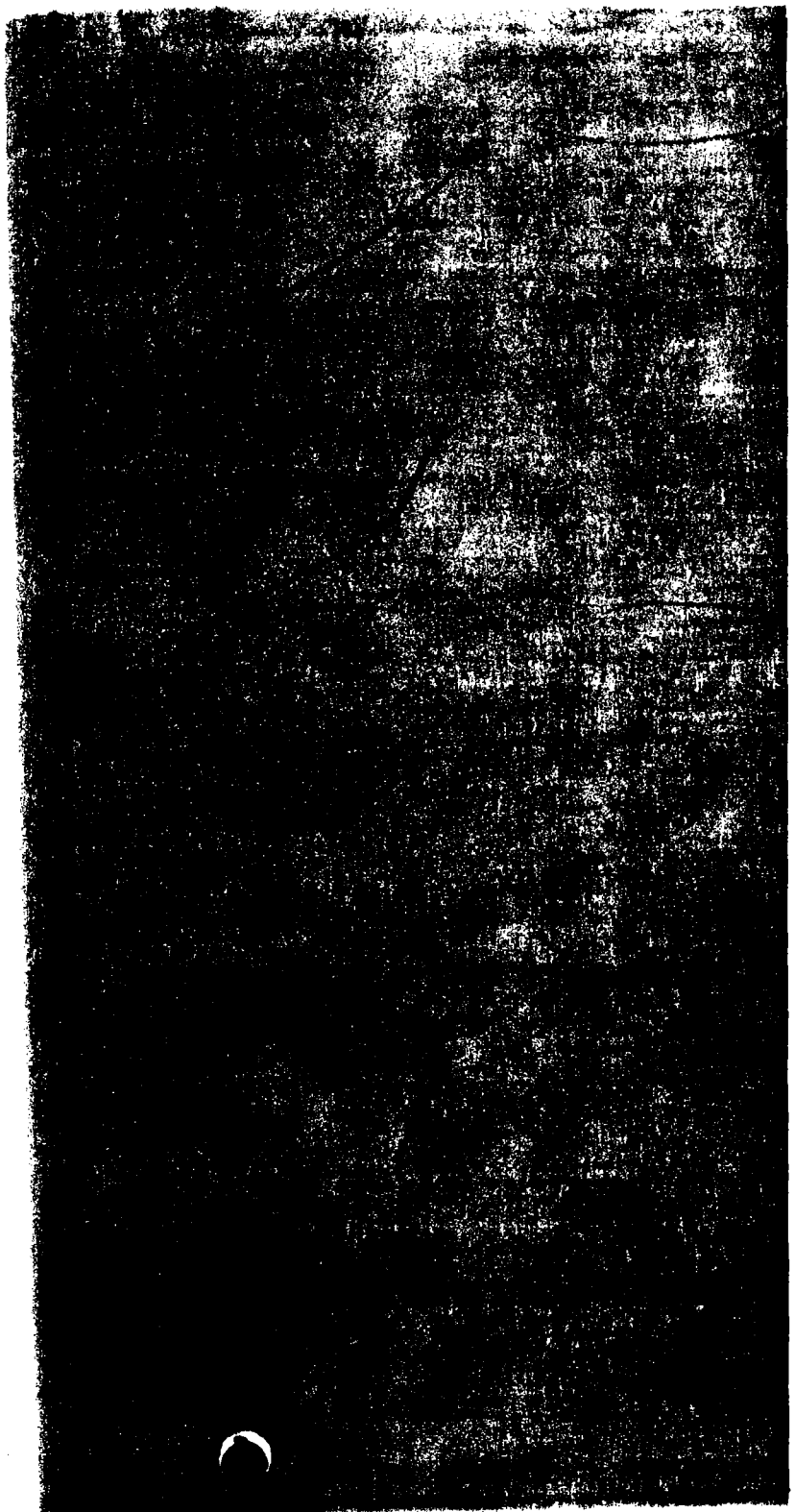
AS Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
1	6	AICV / ACCV				
2	7	ICB / CCB				
3	8	4/5 RR- CRA -008				
4	9	ACCV A				
5	10	CCB -009				
6	11	A				
7	12	-010				
8	13	A				
9	14	-011				
10	15	A				
11	16	-012				
12	17	A				
13	18	ACCV				
14	19	CCB				
15	20	-013				
16	21	A				
17	22	-014				
1	23	A				
19	24	-015				
20	25	A				
21	26	-016				
22	27	A				
23	28	ACCV				
24	29	CCB				
25	30					
26	31					
27	32					
28	33					
29	34					
30	35			4/5 RR-		
31	36					
32	37					
33	38					
34	39					
35	40					

Autosampler Tray #2

AS Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
36	1					
37	2					
38	3					
39	4					
40	5					
41	6					
42	7					
43	8					
44	9					
45	10					
46	11					
47	12					
48	13					
49	14					
50	15					
51	16					
52	17					
53	18			4/5 RR-		
54	19					
55	20					
56	21					
57	22					
58	23					
59	24					
60	25					
61	26					
62	27					
63	28					
64	29					
65	30					
66	31					
67	32					
68	33					
69	34					
70	35					
71	36					
72	37					
73	38					
74	39					
75	40					

Analyst: Cynthia Tobey Date: 4/5/95

Reviewer: Jodi L Wopat Date: 4/7/95



So 0405T2
E 52

Std 1276-73-2
QC 1276-73-3,4

PROGRAMMING MODE INSTRUMENT USER METH # 17 - SE DATE: 95/04/05

ELEMENT: SE WAVELENGTH (NM): 196.0 SLIT (NM): 0.7
PYRO COATED TUBE WITH PLATFORM - MAX POWER HEATING - GAS STOP - MATRIX MOD.
PRETREAT TEMP: 900 ATOMIZE TEMP: 2100 CHARACT. MASS (PG) 30.0

1. TECHNIQUE: ZEEMAN	2. LAMP CURRENT (MA): 6	
3. SIGNAL PROCESSING: PEAK AREA	4. CALIBRATION: LINEAR	
5. TIME (SECONDS): 4.0	6. READ DELAY (SECONDS): 4.0	
7. SCREEN FORMAT: 0.4 GRAPHICS	8. PRINTER: MAIN SUPPL	
9. RECORDER SIGNAL: 0.2 CONT ABS	10. RECORDER EXP: 1000	
11. STATISTICS: 2 AVG. & SD & CV	12. NOMINAL WEIGHT 1.0	
13. ROLLOVER(ABS): 1.000	14. BG SCALE: 1.0	

15. S1: 5.00	16. S2: 10.00	17. S3: 20.00
18. S4: 40.00	19. S5: 50.00	20. S6:
21. S7:	22. S8:	23. RSLP:

TIME: 11:11

PROGRAMMING MODE HGA 600 USER METH # 17 - SE DATE: 95/04/05

ELEMENT: SE WAVELENGTH (NM): 196.0 SLIT (NM): 0.7
PYRO COATED TUBE WITH PLATFORM - MAX POWER HEATING - GAS STOP - MATRIX MOD.
PRETREAT TEMP: 900 ATOMIZE TEMP: 2100 CHARACT. MASS (PG) 30.0

STEP NUMBER	FURNACE TEMPERATURE	TIME RAMP	TIME HOLD	INTERNAL GASFLOW	READ	RECORDER
1	150	30	5	300	-	-
2	500	10	5	300	-	-
3	20	1	10	300	-	-
4	2200	1	8	0	•	-
5	2700	1	5	300	-	-
6	20	1	1	300	-	-
7	----	1	--	300	-	-
8	----	1	--	300	-	-
9	----	1	--	300	-	-

TIME: 11:11

0723080PROGRAMMING MODE AUTOSAMPLER USER METH # 17 - SE DATE: 95/04/05

SOLUTIONS	LOCATION	VOLUME	BLANK VOLUME
BLANK	00		10
STANDARD 1	01	20	15
STANDARD 2	02	20	15
STANDARD 3	03	20	15
STANDARD 4	04	20	15
STANDARD 5	05	20	15
STANDARD 6	--	05	--
ST RD 7	--	05	--
ST RD 8	--	05	--
RESLOPE	--	05	

STANDARD 7	--	05	--
STANDARD 8	--	05	--
RESLOPE	--	05	--
MATRIX MODIFIER 1	00	05	--
MATRIX MODIFIER 2	--	05	--
SAMPLE 06 TO 40 WITH MODIFIER - + -		20	15
SAMPLE -- TO -- WITH MODIFIER - + -		20	--

RECAL LOCATIONS: -- : -- : -- : -- : --

LOCATION 00 TO 40

NUMBER OF INJECTIONS: 01

TIME: 11:11

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.050	0.018	0.043
PEAK AREA (ABS-SECONDS)	0.031	0.008	0.023

BLK 0.0065

READ: 0.003

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.029	0.017	0.025
PEAK AREA (ABS-SECONDS)	0.026	0.005	0.021

READ: 0.000

MEAN= 0.001 STD.DEV.= 0.002 COEF.VAR.= 99.99 %

0.000 AUTOZERO

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.126	0.031	0.122
PEAK AREA (ABS-SECONDS)	0.096	0.025	0.071

S1 0.0270

READ: 0.019

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.129	0.032	0.128
PEAK AREA (ABS-SECONDS)	0.107	0.029	0.078

READ: 0.022

MEAN= 0.020 STD.DEV.= 0.003 COEF.VAR.= 12.75 %

5.00 STANDARD 1

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.141	0.044	0.134
PEAK AREA (ABS-SECONDS)	0.128	0.044	0.084

READ: 9.05

S2 .0440

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.154	0.040	0.148
PEAK AREA (ABS-SECONDS)	0.128	0.044	0.085

READ: 9.02

MEAN= 9.04 STD.DEV.= 0.02 COEF.VAR.= 0.23 %

9.04

E-50: READING GREATER THAN HIGHEST STANDARD

9.77 STANDARD 2

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.079	0.175
PEAK AREA (ABS-SECONDS)	0.182	0.082	0.101

READ: 19.88

(CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.156	0.076	0.156
PEAK AREA (ABS-SECONDS)	0.179	0.077	0.102

READ: 18.57

MEAN= 19.23 STD. DEV. = 0.93 COEF. VAR. = 4.81 %

19.23

E-50: READING GREATER THAN HIGHEST STANDARD

19.81 STANDARD 3

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.172	0.129	0.142
PEAK AREA (ABS-SECONDS)	0.266	0.153	0.113

READ: 39.96

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.186	0.144	0.142
PEAK AREA (ABS-SECONDS)	0.274	0.159	0.114

READ: 41.64

MEAN= 40.80 STD. DEV. = 1.18 COEF. VAR. = 2.90 %

40.80

E-50: READING GREATER THAN HIGHEST STANDARD

40.19 STANDARD 4

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.203	0.154	0.147
PEAK AREA (ABS-SECONDS)	0.319	0.188	0.131

READ: 48.83

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.154	0.154
PEAK AREA (ABS-SECONDS)	0.316	0.187	0.129

READ: 48.41

MEAN= 48.62 STD. DEV. = 0.30 COEF. VAR. = 0.61 %

48.62

E-50: READING GREATER THAN HIGHEST STANDARD

49.35 STANDARD 5

SE 0001

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.187	0.114	0.178
PEAK AREA (ABS-SECONDS)	0.267	0.142	0.125

READ: 36.85

AICV
ACCV
12:36

0001 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.177	0.116	0.177
PEAK AREA (ABS-SECONDS)	0.260	0.134	0.126

READ: 34.82

102.4%

MEAN= 35.83 STD.DEV.= 1.43 COEF.VAR.= 4.00 %

SE 0002

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.155	0.015	0.154
PEAK AREA (ABS-SECONDS)	0.086	0.008	0.078

READ: 0.35

ICB
CCB
12:40

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.144	0.020	0.136
PEAK AREA (ABS-SECONDS)	0.088	0.014	0.074

READ: 1.98

MEAN= 1.17 STD.DEV.= 1.16 COEF.VAR.= 99.17 %

SE 0003

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.164	0.025	0.166
PEAK AREA (ABS-SECONDS)	0.121	0.023	0.097

CRA 12:44

READ: 4.59

Unattended will be rerun

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.170	0.032	0.168
PEAK AREA (ABS-SECONDS)	0.126	0.031	0.095

Below 4/5 RF

READ: 6.64

MEAN= 5.62 STD.DEV.= 1.45 COEF.VAR.= 25.76 %

SE 0004

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.083	0.190
PEAK AREA (ABS-SECONDS)	0.225	0.100	0.124

READ: [illegible]8

ACC 12:48

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.083	0.177
PEAK AREA (ABS-SECONDS)	0.216	0.093	0.123

READ: 23.47 98.1%

MEAN= 24.52 STD. DEV.= 1.49 COEF. VAR.= 6.09 %

SE 0005

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.166	0.015	0.163
PEAK AREA (ABS-SECONDS)	0.092	0.011	0.081

READ: 1.20 CCB 12:52

0005 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.170	0.016	0.172
PEAK AREA (ABS-SECONDS)	0.096	0.003	0.093

READ: -0.87

MEAN= 0.17 STD. DEV.= 1.47 COEF. VAR.= 99.99 %

SE 0006

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.070	0.030	0.062
PEAK AREA (ABS-SECONDS)	0.185	0.021	0.164

READ: 3.85 9503G047-001R 3X GF740

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.067	0.023	0.065
PEAK AREA (ABS-SECONDS)	0.177	0.015	0.163

READ: 2.26

MEAN= 3.06 STD. DEV.= 1.13 COEF. VAR.= 36.94 %

SE 0007

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.090	0.049	0.065
PEAK AREA (ABS-SECONDS)	0.224	0.049	0.175

READ: 11.51 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.093	0.047	0.064
PEAK AREA (ABS-SECONDS)	0.223	0.047	0.175

READ: 11.07 92.3%

MEAN= 9 STD. DEV.= 0.31 COEF. VAR.= 2.77 %

SE 0008

READ: 0.37

MEAN= -0.20 STD.DEV.= 0.81 COEF.VAR.= 99.99 %

SE 0012

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.059	0.040	0.051
PEAK AREA (ABS-SECONDS)	0.138	0.043	0.095

READ: 9.91 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.060	0.038	0.050
PEAK AREA (ABS-SECONDS)	0.141	0.044	0.097

READ: 10.10 100 1 9

MEAN= 10.01 STD.DEV.= 0.13 COEF.VAR.= 1.34 %

SE 0013

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.078	0.020	0.073
PEAK AREA (ABS-SECONDS)	0.162	0.010	0.152

READ: 0.86 9503G054-009 SY

0013 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.076	0.020	0.075
PEAK AREA (ABS-SECONDS)	0.164	0.011	0.154

READ: 1.07

MEAN= 0.97 STD.DEV.= 0.14 COEF.VAR.= 14.78 %

SE 0014

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.085	0.046	0.064
PEAK AREA (ABS-SECONDS)	0.191	0.039	0.152

READ: 8.94 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.094	0.040	0.066
PEAK AREA (ABS-SECONDS)	0.201	0.041	0.160

READ: 9.38 91.6 9

MEAN= 9.16 STD.DEV.= 0.32 COEF.VAR.= 3.45 %

SE 0015

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.174	0.083	0.174
PEAK AREA (ABS-SECONDS)	0.229	0.101	0.128

2

13:31

READ: 25.76

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.078	0.177
PEAK AREA (ABS-SECONDS)	0.225	0.104	0.121

READ: 26.42 104.4 %

MEAN= 26.09 STD.DEV.= 0.47 COEF.VAR.= 1.79 %

SE 0016

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.207	0.013	0.196
PEAK AREA (ABS-SECONDS)	0.108	0.003	0.105

CCB 0 13:35

READ: -0.95

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.187	0.016	0.179
PEAK AREA (ABS-SECONDS)	0.108	0.012	0.097

READ: 1.38

MEAN= 0.21 STD.DEV.= 1.65 COEF.VAR.= 99.99 %

SE 0017

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.211	0.032	0.195
PEAK AREA (ABS-SECONDS)	0.150	0.025	0.125

READ: 4.93

CRA 13:40

0017 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.201	0.026	0.192
PEAK AREA (ABS-SECONDS)	0.140	0.022	0.118

READ: 4.18 91.0 %

MEAN= 4.55 STD.DEV.= 0.53 COEF.VAR.= 11.69 %

ACV 3 13:44

SE 0018

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.207	0.082	0.200
PEAK AREA (ABS-SECONDS)	0.236	0.102	0.135

READ: 25.92

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.193	0.083	0.189
PEAK AREA (ABS-SECONDS)	0.231	0.098	0.134

READ: 25.81 101.4 %

MEAN= 25.36 STD.DEV.= 0.78 COEF.VAR.= 3.08 %

MEAN= 25.36 STD. DEV. = 0.78 COEF. VAR. = 3.08 %

SE 0019

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.017	0.199
PEAK AREA (ABS-SECONDS)	0.122	0.007	0.114

READ: 0.22

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.183	0.019	0.180
PEAK AREA (ABS-SECONDS)	0.111	0.012	0.099

READ: 1.57

MEAN= 0.90 STD. DEV. = 0.96 COEF. VAR. = 99.99 %

SE 0020

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.060	0.014	0.055
PEAK AREA (ABS-SECONDS)	0.080	0.002	0.077

READ: -1.16 9503G055-011 5X

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.061	0.016	0.059
PEAK AREA (ABS-SECONDS)	0.087	0.008	0.079

READ: 0.24

MEAN= -0.46 STD. DEV. = 0.99 COEF. VAR. = 99.99 %

SE 0021

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.059	0.037	0.054
PEAK AREA (ABS-SECONDS)	0.125	0.045	0.080

READ: 10.55 A

0021 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.064	0.043	0.060
PEAK AREA (ABS-SECONDS)	0.136	0.048	0.088

READ: 11.16 108.5%

MEAN= 10.85 STD. DEV. = 0.43 COEF. VAR. = 3.93 %

SE 0022

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.098	0.018	0.092
PEAK AREA (ABS-SECONDS)	0.223	0.010	0.213

READ: 0.89 9503G055-013 5X

(PEAK AREA ABS-SECONDS) 0.110

READ: 12.16 109.42

MEAN= 10.94 STD.DEV.= 1.72 COEF.VAR.= 15.74 %

SE 0030

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.153	0.082	0.150
PEAK AREA (ABS-SECONDS)	0.221	0.102	0.119

READ: 26.05 AcV 4/14:32

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.152	0.086	0.151
PEAK AREA (ABS-SECONDS)	0.222	0.104	0.118

READ: 26.62 105.3 1/

MEAN= 26.33 STD.DEV.= 0.41 COEF.VAR.= 1.54 %

SE 0031

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.259	0.020	0.251
PEAK AREA (ABS-SECONDS)	0.136	0.010	0.126

ccB 4/14:36

READ: 0.98

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.249	0.016	0.244
PEAK AREA (ABS-SECONDS)	0.136	0.002	0.134

READ: -1.16

MEAN= 0.09 STD.DEV.= 1.52 COEF.VAR.= 99.99 %

SE 0032

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.085	0.014	0.079
PEAK AREA (ABS-SECONDS)	0.095	0.009	0.086

READ: 0.74 4603G055 - 019 SK

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.065	0.019	0.062
PEAK AREA (ABS-SECONDS)	0.089	0.004	0.085

READ: -0.79

MEAN= -0.03 STD.DEV.= 1.08 COEF.VAR.= 99.99 %

SE 0033

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.096	0.044	0.086
PEAK AREA (ABS-SECONDS)	0.155	0.048	0.107

READ: 11.18 A

PEAK AREA (ABS-SECONDS) 0.165

READ: 9.19

0037 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.079	0.042	0.072
PEAK AREA (ABS-SECONDS)	0.148	0.048	0.100

READ: 11.22 102.0%

MEAN= 10.20 STD. DEV.= 1.43 COEF. VAR.= 14.04 %

SE 0038

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.021	0.200
PEAK AREA (ABS-SECONDS)	0.118	0.007	0.110

READ: 0.22 95036055-024 5X

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.199	0.019	0.198
PEAK AREA (ABS-SECONDS)	0.114	0.009	0.105

READ: 0.75

MEAN= 0.48 STD. DEV.= 0.38 COEF. VAR.= 78.01 %

SE 0039

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.213	0.043	0.209
PEAK AREA (ABS-SECONDS)	0.168	0.041	0.126

READ: 9.49

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.238	0.044	0.240
PEAK AREA (ABS-SECONDS)	0.181	0.047	0.133

READ: 11.10 103.9

MEAN= 10.29 STD. DEV.= 1.14 COEF. VAR.= 11.05 %

SE 0040

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.225	0.014	0.228
PEAK AREA (ABS-SECONDS)	0.137	0.009	0.128

READ: 0.59 95GL745-mB1 CLP

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.214	0.019	0.218
PEAK AREA (ABS-SECONDS)	0.131	0.010	0.121

READ: 9.84

MEAN: 0.72

MEAN= 0.72 STD. DEV. = 0.18 COEF. VAR. = 24.52 %

SE 0041

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.219	0.045	0.219
PEAK AREA (ABS-SECONDS)	0.173	0.045	0.128

READ: 10.46 A

0041 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.232	0.046	0.230
PEAK AREA (ABS-SECONDS)	0.181	0.043	0.138

READ: 9.95 102.12

MEAN= 10.21 STD. DEV. = 0.36 COEF. VAR. = 3.53 %

SE 0042

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.226	0.080	0.224
PEAK AREA (ABS-SECONDS)	0.254	0.094	0.159

ACC ✓ 5 15:30

READ: 23.88

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.256	0.081	0.250
PEAK AREA (ABS-SECONDS)	0.258	0.100	0.158

98.71

READ: 25.47

MEAN= 24.68 STD. DEV. = 1.12 COEF. VAR. = 4.55 %

SE 0043

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.260	0.016	0.251
PEAK AREA (ABS-SECONDS)	0.147	0.005	0.142

CCB 5 15:34

READ: -0.41

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.254	0.014	0.246
PEAK AREA (ABS-SECONDS)	0.137	0.012	0.124

READ: 1.59

MEAN= 0.59 STD. DEV. = 1.42 COEF. VAR. = 99.99 %

SE 0044

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.243	0.040	0.237
PEAK AREA (ABS-SECONDS)	0.183	0.041	0.142

READ: 9.37

95GF745-LC1

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.244	0.045	0.240
PEAK AREA (ABS-SECONDS)	0.186	0.043	0.143

READ: 9.81 9.98

MEAN= 9.59 STD. DEV. = 0.31 COEF. VAR. = 3.27 %

SE 0045

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.264	0.076	0.248
PEAK AREA (ABS-SECONDS)	0.238	0.077	0.161

READ: 19.11

A

0045 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.245	0.071	0.244
PEAK AREA (ABS-SECONDS)	0.234	0.081	0.153

READ: 20.15

MEAN= 19.63 STD. DEV. = 0.73 COEF. VAR. = 3.71 %

SE 0046

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.622	0.037	0.604
PEAK AREA (ABS-SECONDS)	0.903	0.016	0.887

READ: 2.42 9503G001-001

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.628	0.037	0.633
PEAK AREA (ABS-SECONDS)	0.898	0.002	0.896

READ: -1.23 Serum SK 4/5/95

MEAN= 0.60 STD. DEV. = 2.58 COEF. VAR. = 99.99 %

SE 0047

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.612	0.035	0.631
PEAK AREA (ABS-SECONDS)	0.923	0.014	0.909

READ: 2.08 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.596	0.038	~~0.604~~
PEAK AREA (ABS-SECONDS)	0.921	0.016	0.905

READ: 2.47 2.80

MEAN= 28 STD. DEV. = 0.28 COEF. VAR. = 12.32 %

SE 0048

SE 0048

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.642	0.032	0.643
PEAK AREA (ABS-SECONDS)	0.893	0.017	0.876

READ: 2.85 — 9503G001-001R

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.631	0.035	0.602
PEAK AREA (ABS-SECONDS)	0.897	0.016	0.881

READ: 2.55 — 2.06 — Rerun 5X 4/15 AK

MEAN= 2.70 STD.DEV.= 0.21 COEF.VAR.= 7.90 %

****

SE 0049

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.603	0.033	0.602
PEAK AREA (ABS-SECONDS)	0.903	0.017	0.886

READ: 2.92 — 9503G001-002R A — 4/15 M

0049 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.603	0.031	0.596
PEAK AREA (ABS-SECONDS)	0.891	0.007	0.884

READ: 0.13

MEAN= 1.53 STD.DEV.= 1.97 COEF.VAR.= 99.99 %

****

SE 0050

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.596	0.036	0.578
PEAK AREA (ABS-SECONDS)	0.917	0.018	0.899

READ: 2.97 — Rerun 5X 4/15 AK — 9503G001-001S

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.593	0.033	0.592
PEAK AREA (ABS-SECONDS)	0.903	0.007	0.896

READ: -0.04

MEAN= 1.47 STD.DEV.= 2.13 COEF.VAR.= 99.99 %

****

SE 0051

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.355	0.032	0.356
PEAK AREA (ABS-SECONDS)	0.351	0.017	0.334

READ: 2.82 — 9503G001-002

	AA	ZAA	BG 4/15AK
PEAK HEIGH: (ABSORBANCE)	0.268	0.023	0.268
PEAK AREA (ABS-SECONDS)	0.295	0.013	0.291

PEAK AREA (ABS-SECONDS)	0.295	0.013	0.251

READ: 1.83

MEAN= 2.32 STD.DEV.= 0.70 COEF.VAR.= 30.07 %

SE 0052

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.225	0.039	0.220
PEAK AREA (ABS-SECONDS)	0.297	0.040	0.257

READ: 8.99

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.045	0.200
PEAK AREA (ABS-SECONDS)	0.284	0.042	0.242

READ: 9.63

MEAN= 9.31 STD.DEV.= 0.46 COEF.VAR.= 4.89 %

SE 0053

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.158	0.090	0.149
PEAK AREA (ABS-SECONDS)	0.255	0.106	0.150

READ: 27.00

0053 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.148	0.082	0.140
PEAK AREA (ABS-SECONDS)	0.234	0.097	0.137

READ: 24.71

MEAN= 25.86 STD.DEV.= 1.62 COEF.VAR.= 6.26 %

SE 0054

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.156	0.021	0.149
PEAK AREA (ABS-SECONDS)	0.121	0.011	0.110

READ: 1.16

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.187	0.017	0.179
PEAK AREA (ABS-SECONDS)	0.128	0.013	0.115

READ: 1.66

MEAN= 1.41 STD.DEV.= 0.35 COEF.VAR.= 25.06 %

SE 0055

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.160	0.023	0.155
PEAK AREA (ABS-SECONDS)	0.208	0.007	0.201

9503G001-002R

READ: 0.01

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.166	0.018	0.160
PEAK AREA (ABS-SECONDS)	0.217	0.014	0.203

READ: 2.02

MEAN= 1.02 STD.DEV.= 1.42 COEF.VAR.= 99.99 %

SE 0056

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.166	0.042	0.156
PEAK AREA (ABS-SECONDS)	0.250	0.047	0.204

READ: 10.89

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.161	0.047	0.160
PEAK AREA (ABS-SECONDS)	0.250	0.050	0.199

READ: 11.95 114.32

MEAN= 11.42 STD.DEV.= 0.75 COEF.VAR.= 6.59 %

SE 0057

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.160	0.043	0.152
PEAK AREA (ABS-SECONDS)	0.247	0.042	0.205

READ: 9.64

9503G001-002S

0057 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.165	0.037	0.158
PEAK AREA (ABS-SECONDS)	0.246	0.039	0.208

READ: 8.73 91.82

MEAN= 9.18 STD.DEV.= 0.65 COEF.VAR.= 7.06 %

SE 0058

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.643	0.032	0.651
PEAK AREA (ABS-SECONDS)	0.530	0.010	0.520

READ: 0.90

9503G001-001 5X

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.633	0.034	0.645
PEAK AREA (ABS-SECONDS)	0.528	0.007	0.522

READ: 0.02

MEAN= 0.44 STD.DEV.= 0.65 COEF.VAR.= 99.99 %

SE 0059

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.639	0.041	0.629
PEAK AREA (ABS-SECONDS)	0.562	0.040	0.523
READ: 8.99			

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.652	0.038	0.655
PEAK AREA (ABS-SECONDS)	0.563	0.036	0.526
READ: 8.12			

MEAN= 8.55 STD.DEV.= 0.61 COEF.VAR.= 7.19 %

SE 0060

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.622	0.026	0.614
PEAK AREA (ABS-SECONDS)	0.525	0.011	0.514
READ: 1.24			

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.641	0.040	0.631
PEAK AREA (ABS-SECONDS)	0.529	0.011	0.518
READ: 1.14			

MEAN= 1.19 STD.DEV.= 0.07 COEF.VAR.= 6.07 %

SE 0061

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.631	0.055	0.624
PEAK AREA (ABS-SECONDS)	0.554	0.039	0.515
READ: 8.93			

0061 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.625	0.048	0.624
PEAK AREA (ABS-SECONDS)	0.551	0.041	0.510
READ: 9.30			

MEAN= 9.12 STD.DEV.= 0.27 COEF.VAR.= 2.92 %

SE 0062

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.620	0.031	0.620
PEAK AREA (ABS-SECONDS)	0.535	0.016	0.519
READ: 2.61			

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.625	0.031	0.612
PEAK AREA (ABS-SECONDS)	0.534	0.017	0.517
READ: 2.96			

MEAN= 2.78 STD.DEV.= 0.24 COEF.VAR.= 8.78 %

SE 0063

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.172	0.091	0.168
PEAK AREA (ABS-SECONDS)	0.247	0.094	0.153
READ: 23.90			
	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.161	0.087	0.160
PEAK AREA (ABS-SECONDS)	0.232	0.102	0.130
READ: 26.05			

MEAN= 24.97 STD.DEV.= 1.53 COEF.VAR.= 6.11 %

SE 0064

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.169	0.021	0.157
PEAK AREA (ABS-SECONDS)	0.108	0.006	0.102
READ: -0.09			
	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.157	0.019	0.147
PEAK AREA (ABS-SECONDS)	0.101	0.006	0.096
READ: -0.32			

MEAN= -0.20 STD.DEV.= 0.16 COEF.VAR.= 79.63 %

SE 0065

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.612	0.044	0.620
PEAK AREA (ABS-SECONDS)	0.853	0.005	0.848
READ: -0.37			

9503G001 – 003

0065 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.650	0.031	0.635
PEAK AREA (ABS-SECONDS)	0.884	0.011	0.872
READ: 1.32			

MEAN= 47 STD.DEV.= 1.20 COEF.VAR.= 99.99 %

SE 0066

SE 0066

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.624	0.049	0.634
PEAK AREA (ABS-SECONDS)	0.878	0.018	0.860

READ: 3.18 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.600	0.038	0.612
PEAK AREA (ABS-SECONDS)	0.861	0.009	0.852

READ: 0.63 96

MEAN= 1.90 STD. DEV. = 1.80 COEF. VAR. = 94.64 %

SE 0067

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.396	0.022	0.394
PEAK AREA (ABS-SECONDS)	0.408	0.011	0.397

READ: 1.09 9503G001 -004

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.280	0.020	0.283
PEAK AREA (ABS-SECONDS)	0.337	0.009	0.328

READ: 0.63

MEAN= 0.86 STD. DEV. = 0.33 COEF. VAR. = 37.93 %

SE 0068

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.261	0.044	0.250
PEAK AREA (ABS-SECONDS)	0.368	0.043	0.325

READ: 9.95 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.236	0.042	0.230
PEAK AREA (ABS-SECONDS)	0.354	0.040	0.314

READ: 9.02 94.9 ✓

MEAN= 9.49 STD. DEV. = 0.65 COEF. VAR. = 6.89 %

SE 0069

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.675	0.039	0.666
PEAK AREA (ABS-SECONDS)	0.871	0.007	0.864

READ: -0.01 9503G001 -005

0069 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.678	0.048	0.683
PEAK AREA (ABS-SECONDS)	0.854	0.012	0.843

READ: 1.34

Rerun 5X 4/6 AA

MEAN= 0.66 STD. DEV. = 0.95 COEF. VAR. = 99.99 %

SE 0070

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.693	0.036	0.666
PEAK AREA (ABS-SECONDS)	0.843	0.014	0.829

READ: 1.94 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.689	0.042	0.669
PEAK AREA (ABS-SECONDS)	0.845	0.015	0.830

READ: 2.35 2.15 2

MEAN= 2.15 STD. DEV. = 0.29 COEF. VAR. = 13.35 %

SE 0071

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.311	0.020	0.310
PEAK AREA (ABS-SECONDS)	0.362	0.007	0.355

READ: 0.11 9503G001-006

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.262	0.022	0.260
PEAK AREA (ABS-SECONDS)	0.333	0.012	0.321

READ: 1.38

MEAN= 0.75 STD. DEV. = 0.90 COEF. VAR. = 99.99 %

SE 0072

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.264	0.041	0.251
PEAK AREA (ABS-SECONDS)	0.366	0.039	0.327

READ: 8.81 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.255	0.047	0.250
PEAK AREA (ABS-SECONDS)	0.361	0.040	0.322

READ: 9.05 8.93 2

MEAN= 8.93 STD. DEV. = 0.17 COEF. VAR. = 1.90 %

SE 0073

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.678	0.082	0.637
PEAK AREA (ABS-SECONDS)	0.828	0.011	0.817

READ: 1.22 9503G001-007

0073 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.638	0.054	0.642
PEAK AREA (ABS-SECONDS)	0.835	-0.002	0.837

READ: -2.34 Rerun 5X 4/6 RL

MEAN= -0.56 STD. DEV. = 2.51 COEF. VAR. = 99.99 %

SE 0074

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.659	0.046	0.650
PEAK AREA (ABS-SECONDS)	0.838	0.009	0.828

READ: 0.76 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.635	0.031	0.666
PEAK AREA (ABS-SECONDS)	0.835	0.007	0.827

READ: 0.21 47.1.

MEAN= 0.48 STD. DEV. = 0.39 COEF. VAR. = 79.60 %

SE 0075

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.126	0.101	0.115
PEAK AREA (ABS-SECONDS)	0.268	0.088	0.180

READ: 22.09 ACCV $ 17:41

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.137	0.092	0.126
PEAK AREA (ABS-SECONDS)	0.233	0.094	0.140

READ: 23.70 91.6.

MEAN= 22.90 STD. DEV. = 1.14 COEF. VAR. = 4.98 %

SE 0076

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.210	0.018	0.204
PEAK AREA (ABS-SECONDS)	0.143	0.009	0.135

READ: 0.51 CCB $ 17:45

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.209	0.026	0.219
PEAK AREA (ABS-SECONDS)	0.134	0.008	0.127

READ: 0.26

MEAN= 0.38 STD. DEV. = 0.17 COEF. VAR. = 45.47 %

SE 0077

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.245	0.018	0.241
PEAK AREA (ABS-SECONDS)	0.344	0.006	0.338

PEAK [illegible] (ABS-SECONDS)

READ: -0.20

9503G001-005

0077 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.234	0.023	0.233
PEAK AREA (ABS-SECONDS)	0.339	0.012	0.327

READ: 1.50

MEAN= 0.65 STD.DEV.= 1.20 COEF.VAR.= 99.99 %

SE 0078

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.254	0.046	0.255
PEAK AREA (ABS-SECONDS)	0.388	0.039	0.349

READ: 8.81 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.254	0.044	0.256
PEAK AREA (ABS-SECONDS)	0.387	0.038	0.349

READ: 8.53 8.72 ✓

MEAN= 8.67 STD.DEV.= 0.20 COEF.VAR.= 2.27 %

SE 0079

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.685	0.032	0.687
PEAK AREA (ABS-SECONDS)	0.805	0.008	0.796

READ: 0.42

9503G001-009

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.734	0.048	0.698
PEAK AREA (ABS-SECONDS)	0.810	0.004	0.806

READ: -0.72 Rerun 3X 4/6 MC

MEAN= -0.15 STD.DEV.= 0.80 COEF.VAR.= 99.99 %

SE 0080

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.683	0.035	0.703
PEAK AREA (ABS-SECONDS)	0.805	0.007	0.798

READ: 0.19 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.714	0.039	0.689
PEAK AREA (ABS-SECONDS)	0.816	0.014	0.802

READ: 1.90 10.41

MEAN= 1.05 STD. DEV. = 1.21 COEF. VAR. = 99.99 %

SE 0081

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.306	0.021	0.302
PEAK AREA (ABS-SECONDS)	0.381	0.006	0.375

READ: -0.09 9503G001-010

0081 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.256	0.022	0.266
PEAK AREA (ABS-SECONDS)	0.357	0.004	0.353

READ: -0.73

MEAN= -0.41 STD. DEV. = 0.45 COEF. VAR. = 99.99 %

SE 0082

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.252	0.044	0.244
PEAK AREA (ABS-SECONDS)	0.382	0.039	0.343

READ: 8.82 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.248	0.042	0.250
PEAK AREA (ABS-SECONDS)	0.392	0.040	0.352

READ: 9.18 ✓

MEAN= 9.00 STD. DEV. = 0.25 COEF. VAR. = 2.83 %

SE 0083

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.578	0.041	0.562
PEAK AREA (ABS-SECONDS)	1.003	0.008	0.995

READ: 0.37 9503G001-011

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.590	0.040	0.585
PEAK AREA (ABS-SECONDS)	0.989	-0.001	0.989

READ: -1.99 Rerun 5/X 4/6 RC

MEAN= -0.81 STD. DEV. = 1.67 COEF. VAR. = 99.99 %

SE 0084

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.595	0.046	0.572
PEAK AREA (ABS-SECONDS)	0.991	0.013	0.978

READ: 1.70 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.578	0.044	0.567
PEAK AREA (ABS-SECONDS)	0.957	0.005	0.951

READ: -0.37 66 1.

MEAN= 0.66 STD.DEV.= 1.46 COEF.VAR.= 99.99 %

SE 0085

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.410	0.030	0.402
PEAK AREA (ABS-SECONDS)	0.542	0.009	0.533

READ: 0.76

9503G001-012

0085 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.321	0.024	0.315
PEAK AREA (ABS-SECONDS)	0.498	0.006	0.493

READ: -0.23

MEAN= 0.27 STD.DEV.= 0.70 COEF.VAR.= 99.99 %

SE 0086

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.323	0.046	0.311
PEAK AREA (ABS-SECONDS)	0.537	0.040	0.496

READ: 9.19 4

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.311	0.047	0.312
PEAK AREA (ABS-SECONDS)	0.521	0.038	0.483

READ: 8.55 88.76

MEAN= 8.87 STD.DEV.= 0.45 COEF.VAR.= 5.09 %

SE 0087

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.162	0.091	0.156
PEAK AREA (ABS-SECONDS)	0.229	0.092	0.138

READ: 23.18 Acc 9 18:29

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.165	0.099	0.149
PEAK AREA (ABS-SECONDS)	0.231	0.101	0.129

READ: 25.85 98.1 1.

MEAN= .52 STD.DEV.= 1.89 COEF.VAR.= 7.70 %

SE 0088

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.190	0.017	0.183
PEAK AREA (ABS-SECONDS)	0.120	0.004	0.116

READ: -0.68

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.022	0.180
PEAK AREA (ABS-SECONDS)	0.117	0.006	0.111

READ: -0.18

MEAN= -0.43 STD. DEV. = 0.36 COEF. VAR. = 82.77 %

SE 0089

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.577	0.048	0.582
PEAK AREA (ABS-SECONDS)	0.971	0.009	0.962

READ: 0.57

9503G001-013

0089 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.591	0.086	0.590
PEAK AREA (ABS-SECONDS)	0.990	0.005	0.985

READ: -0.39

Rerun SK 4/6 RF

MEAN= 0.09 STD. DEV. = 0.68 COEF. VAR. = 99.99 %

SE 0090

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.589	0.038	0.585
PEAK AREA (ABS-SECONDS)	0.993	0.008	0.985

READ: 0.47

A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.608	0.039	0.594
PEAK AREA (ABS-SECONDS)	0.960	0.003	0.957

READ: -0.92

MEAN= -0.22 STD. DEV. = 0.98 COEF. VAR. = 99.99 %

SE 0091

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.467	0.023	0.448
PEAK AREA (ABS-SECONDS)	0.543	0.009	0.534

READ: 0.54

9503G001-014

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.377	0.023	0.371
PEAK AREA (ABS-SECONDS)			

CC13 9 18:33

719

READ: 1.60

MEAN= 1.07 STD. DEV. = 0.75 COEF. VAR. = 70.23 %

SE 0092

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.317	0.054	0.318
PEAK AREA (ABS-SECONDS)	0.519	0.039	0.481

READ: 8.71

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.300	0.048	0.289
PEAK AREA (ABS-SECONDS)	0.504	0.038	0.465

READ: 8.65

MEAN= 8.68 STD. DEV. = 0.04 COEF. VAR. = 0.47 %

SE 0093

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.202	0.017	0.192
PEAK AREA (ABS-SECONDS)	0.140	0.009	0.131

READ: 0.53

9507G001-015

0093 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.210	0.019	0.212
PEAK AREA (ABS-SECONDS)	0.136	0.004	0.131

READ: -0.62

MEAN= -0.04 STD. DEV. = 0.82 COEF. VAR. = 99.99 %

SE 0094

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.178	0.046	0.176
PEAK AREA (ABS-SECONDS)	0.157	0.037	0.120

READ: 8.31

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.194	0.048	0.193
PEAK AREA (ABS-SECONDS)	0.165	0.040	0.125

READ: 9.08

MEAN= 8.70 STD. DEV. = 0.55 COEF. VAR. = 6.27 %

SE 95

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.210	0.020	0.210
PEAK AREA (ABS-SECONDS)	0.122	0.004	0.110

READ: -0.82 9503G001 -016

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.201	0.019	0.193
PEAK AREA (ABS-SECONDS)	0.118	0.009	0.109

READ: 0.70

MEAN= -0.06 STD.DEV.= 1.08 COEF.VAR.= 99.99 %

SE 0096

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.226	0.052	0.222
PEAK AREA (ABS-SECONDS)	0.172	0.048	0.124

READ: 11.33

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.221	0.043	0.215
PEAK AREA (ABS-SECONDS)	0.163	0.040	0.123

READ: 8.99 10:16

MEAN= 10.16 STD.DEV.= 1.66 COEF.VAR.= 16.31 %

SE 0097

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.145	0.092	0.142
PEAK AREA (ABS-SECONDS)	0.202	0.096	0.105

READ: 24.45 ACCV 10 9:04

0097 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.146	0.094	0.138
PEAK AREA (ABS-SECONDS)	0.205	0.100	0.105

READ: 25.56 100.0 %

MEAN= 25.01 STD.DEV.= 0.79 COEF.VAR.= 3.15 %

SE 0098

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.199	0.016	0.200
PEAK AREA (ABS-SECONDS)	0.111	0.006	0.105

CCB 10 9:17

READ: -0.12

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.206	0.019	0.202
PEAK AREA (ABS-SECONDS)	0.108	0.006	0.102

READ: -0.26

MEAN= -0.19 STD.DEV.= 0.10 COEF.VAR.= 51.49 %

SE 0099

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.284	0.024	0.281
PEAK AREA (ABS-SECONDS)	0.144	0.012	0.132
READ: 1.41			
	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.270	0.017	0.272
PEAK AREA (ABS-SECONDS)	0.140	0.009	0.131
READ: 0.52			

MEAN= 0.96 STD.DEV.= 0.63 COEF.VAR.= 65.44 %

SE 0100

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.280	0.016	0.283
PEAK AREA (ABS-SECONDS)	0.142	0.002	0.141
READ: -1.29			
	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.294	0.019	0.281
PEAK AREA (ABS-SECONDS)	0.147	0.012	0.135
READ: 1.48			

MEAN= 0.09 STD.DEV.= 1.96 COEF.VAR.= 99.99 %

SE 0101

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.283	0.020	0.280
PEAK AREA (ABS-SECONDS)	0.148	0.012	0.136
READ: 1.49			

two samples
4/6 RF

0101 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.272	0.016	0.260
PEAK AREA (ABS-SECONDS)	0.134	0.007	0.127
READ: 0.16			

MEAN= 0.82 STD.DEV.= 0.94 COEF.VAR.= 99.99 %

SE 0102

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.282	0.021	0.270
PEAK AREA (ABS-SECONDS)	0.142	0.014	0.128
READ: 1.97			

(1)

GESTION Analytics AA5.1 Report

Data File:SE040671 Date Collected: 95/04/06 Time:
Method File: Date of Report: Time:
Analyst: RIF

	SE abb				
ICVF	24.78	MSETO	1		10:18
ICB	-0.18	MSETO	1		10:22
CRA	4.72	MSETO	1		10:26
CCVF1 } 1	23.61	MSETO	1		10:30
CCB1 } 1	-0.80	MSETO	1		10:34
95GF748-MB1	0.89	MSEW-S	1	95GF748	10:38
95GF748-LC1	8.52	MSEW-S	1	95GF748	10:46
95GF748-LC2	9.20	MSEW-S	1	95GF748	10:54
95046130-001	-0.86	MSETO	1		11:01
95046122-006	-0.08	MSETO	5		11:09
CCVF2 } 2	22.52	MSETO	1		11:17
CCB2 } 2	-0.10	MSETO	1		11:21
95046122-006R	1.30	MSETO	5		11:25
95046122-006S	2.45	MSETOS	5		11:33
9503L422-001	14.67	MSETO	1		11:37
9503L422-002	10.23	MSETO	1		11:45
CCVF3 } 3	24.50	MSETO	1		12:03
CCB3 } 3	-0.10	MSETO	1		12:07
95046081-006	1.42	MSETO	1		12:19
95046081-007	0.48	MSETO	1		12:27
CCVF4 } 4	24.47	MSETO	1		12:35
CCB4 } 4	0.50	MSETO	1		12:39
• 95036001-003	0.86 W	MSETO	5	95GF745	12:43
95036001-005	0.40	MSETO	5		12:51
95036001-007	0.46	MSETO	5		12:59
95036001-009	-0.62	MSETO	5		13:07
95036001-011	1.98	MSETO	5		13:15
CCVF5 } 5	23.92	MSETO	1		13:22
CCB5 } 5	-0.56	MSETO	1		13:26
95046081-002	-0.20	MSETO	1	95GF748	13:38
95046081-005	0.83	MSETO	1		13:46
95036001-013	-0.42 W	MSETO	5	95GF745	13:54
CCVF6 } 6	24.85	MSETO	1		14:02
CCB6 } 6	-0.52	MSETO	1		14:06
95GF751-MB1	0.26	MSETO	1	95GF751	14:11
95GF751-LC1	8.56	MSELCS	1	95GF751	14:19
95GF751-LC2	9.54	MSELCS	1	95GF751	14:27
CCVF7	26.41	MSETO	1		14:57
CCB7	-0.57	MSETO	1		15:01
95046122-002	1.78	MSETO	2		15:13
95046122-002S	7.30	MSETO	2		15:09
CCVF8	26.44	MSETO	1		15:21
CCB8	0.10	MSETO	1		15:25
95036893-003	1.82	MSETO	1	NONE	15:48
CCVF9	26.46	MSETO	1		15:52
CCB9	-0.75	MSETO	1		15:56
95GF754-LC1	9.35	MSELCS	1	95GF754	16:08
95046158-001	0.22	MSETO	1		16:24
95046158-001R	-0.78	MSETOR	1		16:32
CCVF10	25.57	MSETO	1		16:40
CCB10	-1.45	MSETO	1		16:44
95GF746-MB1	1.10	MSETO	1	95GF746	16:52
95GF746-LC1	9.01	MSELCS	1	95GF746	17:00
95GF746-LC2	8.97	MSELCS	1	95GF746	17:08
CCVF11	26.06	MSETO	1		17:17
CCB11	0.47	MSETO	1		17:21
95GF752-MB1	-0.63	MSETO	1	95GF752	17:44
95GF752-LC	9.09	MSELCS	1	95GF752	17:52
CCVF12	27.29	MSETO	1		18:00

Run-3 IDL = 1.4 ug/L *

* AA3 1.5
AA5 1.4
report higher of the 2

4/7/95

4/7/95

723

WESTON Environmental Metrics, Inc.
AAS - GFAA PE3030 Analysis Run Log

Element: Se

Filename: S204067

Lamp: EDL Current: 5.5 Energy: 49

QC (a.) Standard (b.)

Autosampler Tray #1

Prep Batch	AS Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
2	1	6	AICV				
	2	7	ICB				
	3	8	CRA				
	4	9	ACCV				
	5	10	CCB				
	6	11	95GF748-MB1			GF748	
	7	12	A				
	8	13	ICI				
	9	14	A				
	10	15	ICZ				
	11	16	A				
	12	17	9504G130-001 ÷ (wte)				
	13	18	A				
	14	19	9404G102-004L 5X				
	15	20	A				
	16	21	ACCV	1/7			
	17	22	CCB	NF			
	18	23	-004R 5X				
	19	24	A				
	20	25	-004S 5X				
	21	26	9503L422-001				
	22	27	A				
	23	28	-002				
	24	29	A				
	25	30	9504G081-002		✓		
	26	31	A				
	27	32	ACCV				
	28	33	CCB				
	29	34	-005		✓		
	30	35	A				
	31	36	-006				
	32	37	A				
	33	38	-007				
	34	39	A				
	35	40	ACCV				✓

Autosampler Tray #2

AS Sn	AS Pos#	QC/RFW #	Dil.	Rerun	MSA	Prep Batch
36	1	CCB				
37	2	9503G001-003 5X				GF748
38	3	A				
39	4	-005 5X				
40	5	A				
41	6	-007 5X				
42	7	A				
43	8	-009 5X				
44	9	A				
45	10	-011 5X				
46	11	A				
47	12	ACCV				
48	13	CCB				
49	14	-013 5X		✓		
50	15	A				✓
51	16	9504G081-002				GF748
52	17	A				
53	18	-005				
54	19	A				
55	20	9503G001-013 5X				GF748
56	21	A				"
57	22	ACCV				
58	23	CCB				
59	24	95GF251-MB1				GF751
60	25	A				
61	26	ICI				
62	27	A				
63	28	ICZ				
64	29	A				
65	30	9504G122-002	2X	✓		
66	31	A				
67	32	-002R				
68	33	A				
69	34	ACCV 4/6 AF ~~0025~~				
70	35	CCB ~~-0025 5X~~				
71	36	-0025				
72	37	~~-00252X~~				
73	38	-002 2X				
74	39	A				
75	40	ACCV				

Cont on page 38

Analyst: [signature] Date: 4/6/95

Reviewer: [signature] Date: 4/10/95

Doc 1276-73-1 Std 1276-73-2
QC 1276-73-3,4

E 49

0723080PROGRAMMING MODE INSTRUMENT USER METH # 17 - SE DATE: 95/04/06

ELEMENT: SE WAVELENGTH (NM): 196.0 SLIT (NM): 0.7
PYRO COATED TUBE WITH PLATFORM - MAX POWER HEATING - GAS STOP - MATRIX MOD.
PRETREAT TEMP: 900 ATOMIZE TEMP: 2100 CHARACT. MASS (PG) 30.0

1. TECHNIQUE: ZEEMAN	2. LAMP CURRENT (MA): 6
3. SIGNAL PROCESSING: PEAK AREA	4. CALIBRATION: LINEAR
5. TIME (SECONDS): 4.0	6. READ DELAY (SECONDS): 4.0
7. SCREEN FORMAT: 0.4 GRAPHICS	8. PRINTER: MAIN SUPPL
9. RECORDER SIGNAL: 0.2 CONT ABS	10. RECORDER EXP: 1000
11. STATISTICS: 2 AVG. & SD & CV	12. NOMINAL WEIGHT 1.0
13. ROLLOVER(ABS): 1.000	14. BG SCALE: 1.0

15. S1: 5.00	16. S2: 10.00	17. S3: 20.00
18. S4: 40.00	19. S5: 50.00	20. S6:
21. S7:	22. S8:	23. RSLP:

TIME: 08:52

PROGRAMMING MODE HGA 600 USER METH # 17 - SE DATE: 95/04/06

ELEMENT: SE WAVELENGTH (NM): 196.0 SLIT (NM): 0.7
PYRO COATED TUBE WITH PLATFORM - MAX POWER HEATING - GAS STOP - MATRIX MOD.
PRETREAT TEMP: 900 ATOMIZE TEMP: 2100 CHARACT. MASS (PG) 30.0

STEP NUMBER	FURNACE TEMPERATURE	TIME RAMP	TIME HOLD	INTERNAL GASFLOW	READ	RECORDER
1	150	30	5	300	-	-
2	500	10	5	300	-	-
3	20	1	10	300	-	-
4	2200	1	8	0	*	-
5	2700	1	5	300	-	-
6	20	1	1	300	-	-
7	----	1	--	300	-	-
8	----	1	--	300	-	-
9	----	1	--	300	-	-

TIME: 08:52

0723080PROGRAMMING MODE AUTOSAMPLER USER METH # 17 - SE DATE: 95/04/06

SOLUTIONS	LOCATION	VOLUME	BLANK VOLUME
BLANK	00		10
STANDARD 1	01	20	15
STANDARD 2	02	20	15
STANDARD 3	03	20	15
STANDARD 4	04	20	15
STANDARD 5	05	20	15
STANDARD 6	--	05	--
STANDARD 7	--	05	--
STANDARD 8	--	05	--
RESLOPE	--	05	--
MATRIX MODIFIER 1	00	05	--
MATRIX MODIFIER 2	--	05	--
SAMPLE 06 TO 40 WITH MODIFIER - + -		20	15
SAMPLE -- TO -- WITH MODIFIER - + -		20	--

RECAL LOCATIONS: -- : -- : -- : -- : -- NUMBER OF INJECTIONS: 01

LOCATION 00 TO 40

TIME: 08:53

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.020	0.017	0.014
PEAK AREA (ABS-SECONDS)	0.029	0.004	0.025

READ: 0.001

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.023	0.017	0.020
PEAK AREA (ABS-SECONDS)	0.035	0.010	0.025

READ: 0.006

MEAN= 0.003 STD.DEV.= 0.004 COEF.VAR.= 99.99 %

0.000 AUTOZERO

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.050	0.037	0.029
PEAK AREA (ABS-SECONDS)	0.084	0.027	0.057

READ: 0.020

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.051	0.028	0.028
PEAK AREA (ABS-SECONDS)	0.083	0.027	0.056

READ: 0.020

MEAN= 0.020 STD.DEV.= 0.000 COEF.VAR.= 1.04 %

5.00 STANDARD 1

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.074	0.046	0.033
PEAK AREA (ABS-SECONDS)	0.105	0.043	0.062

READ: 9.15

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.074	0.047	0.035
PEAK AREA (ABS-SECONDS)	0.106	0.035	0.071

READ: 7.06

MEAN= 8.11 STD.DEV.= 1.48 COEF.VAR.= 18.29 %

8.11

E-50: READING GREATER THAN HIGHEST STANDARD

9.48 STANDARD 2

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.127	0.091	0.046
PEAK AREA (ABS-SECONDS)	0.159	0.078	0.081

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.127	0.091	0.046
PEAK AREA (ABS-SECONDS)	0.159	0.078	0.081

READ: 20.76

(CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.113	0.082	0.041
PEAK AREA (ABS-SECONDS)	0.165	0.084	0.081

READ: 22.51

MEAN= 21.64 STD.DEV.= 1.24 COEF.VAR.= 5.73 %

****

21.64

E-50: READING GREATER THAN HIGHEST STANDARD

****

20.34 STANDARD 3

****

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.216	0.158	0.066
PEAK AREA (ABS-SECONDS)	0.260	0.164	0.096

READ: 43.44

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.206	0.154	0.062
PEAK AREA (ABS-SECONDS)	0.248	0.152	0.096

READ: 40.18

MEAN= 41.81 STD.DEV.= 2.31 COEF.VAR.= 5.51 %

****

41.81

E-50: READING GREATER THAN HIGHEST STANDARD

****

40.42 STANDARD 4

****

SE

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.248	0.186	0.067
PEAK AREA (ABS-SECONDS)	0.305	0.199	0.106

READ: 51.22

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.250	0.185	0.070
PEAK AREA (ABS-SECONDS)	0.307	0.201	0.107

READ: 51.73

MEAN= 51.47 STD.DEV.= 0.36 COEF.VAR.= 0.69 %

****

51.

E-50: READING GREATER THAN HIGHEST STANDARD

****

E-50: READING GREATER THAN HIGHEST STANDARD

50.66 STANDARD 5

SE 0001

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.134	0.056
PEAK AREA (ABS-SECONDS)	0.238	0.142	0.096

READ: 35.47

0001 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.182	0.132	0.055
PEAK AREA (ABS-SECONDS)	0.227	0.137	0.090

READ: 34.09

MEAN= 34.78 STD.DEV.= 0.98 COEF.VAR.= 2.82 %

SE 0002

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.033	0.014	0.027
PEAK AREA (ABS-SECONDS)	0.067	0.007	0.060

READ: -0.09

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.028	0.020	0.025
PEAK AREA (ABS-SECONDS)	0.065	0.006	0.059

READ: -0.27

MEAN= -0.18 STD.DEV.= 0.12 COEF.VAR.= 67.28 %

SE 0003

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.047	0.027	0.028
PEAK AREA (ABS-SECONDS)	0.082	0.023	0.060

READ: 4.10

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.048	0.027	0.031
PEAK AREA (ABS-SECONDS)	0.087	0.024	0.063

READ: 4.54

MEAN= 4.32 STD.DEV.= 0.31 COEF.VAR.= 7.17 %

SE 0004

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.130	0.095	0.047
PEAK AREA (ABS-SECONDS)	0.179	0.098	0.081

READ: 23.85

READ: 23.85

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.129	0.088	0.046
PEAK AREA (ABS-SECONDS)	0.178	0.096	0.082

READ: 23.36 94.4%

MEAN= 23.61 STD. DEV. = 0.35 COEF. VAR. = 1.48 %

CCM 10:34

SE 0005

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.031	0.014	0.024
PEAK AREA (ABS-SECONDS)	0.067	0.006	0.061

READ: -0.24

0005 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.028	0.012	0.025
PEAK AREA (ABS-SECONDS)	0.061	0.002	0.059

READ: -1.36

MEAN= -0.80 STD. DEV. = 0.79 COEF. VAR. = 99.03 %

SE 0006

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.029	0.021	0.023
PEAK AREA (ABS-SECONDS)	0.062	0.008	0.054

READ: 0.29 956748 - m91

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.030	0.016	0.022
PEAK AREA (ABS-SECONDS)	0.062	0.013	0.049

READ: 1.48

MEAN= 0.89 STD. DEV. = 0.84 COEF. VAR. = 94.61 %

SE 0007

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.069	0.046	0.030
PEAK AREA (ABS-SECONDS)	0.115	0.048	0.066

READ: 10.86 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.064	0.044	0.030
PEAK AREA (ABS-SECONDS)	0.113	0.046	0.067

READ: 10.32 105.9%

MEAN= 10.59 STD. DEV. = 0.38 COEF. VAR. = 3.59 %

SE 0008

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.076	0.049	0.051
PEAK AREA (ABS-SECONDS)	0.181	0.050	0.131

A

READ: 11.21

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.077	0.045	0.052
PEAK AREA (ABS-SECONDS)	0.175	0.050	0.125

READ: 11.37 112.9%

MEAN= 11.29 STD.DEV.= 0.12 COEF.VAR.= 1.03 %

SE 0016

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.125	0.084	0.045
PEAK AREA (ABS-SECONDS)	0.174	0.097	0.078

READ: 23.58 Accv 2 11:17

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.128	0.086	0.045
PEAK AREA (ABS-SECONDS)	0.172	0.089	0.083

READ: 21.46 90.1%

MEAN= 22.52 STD.DEV.= 1.50 COEF.VAR.= 6.68 %

SE 0017

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.034	0.019	0.029
PEAK AREA (ABS-SECONDS)	0.064	0.007	0.057

READ: -0.01 ccg 2 11:21

0017 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.029	0.014	0.029
PEAK AREA (ABS-SECONDS)	0.061	0.006	0.055

READ: -0.18

MEAN= 0.10 STD.DEV.= 0.12 COEF.VAR.= 99.99 %

SE 0018

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.047	0.021	0.042
PEAK AREA (ABS-SECONDS)	0.104	0.014	0.090

READ: 1.77 9504G122 - 006 R 5X

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.047	0.020	0.044
PEAK AF (ABS-SECONDS)	0.103	0.010	0.093

READ: 0.84

731

732

MEAN= 1.38 STD.DEV.= [illegible]

SE 0026

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.190	0.041	0.194
PEAK AREA (ABS-SECONDS)	0.283	0.037	0.246

READ: 7.79 N

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.303	0.044	0.295
PEAK AREA (ABS-SECONDS)	0.319	0.049	0.271

READ: 10.95

MEAN= 9.37 STD.DEV.= 2.24 COEF.VAR.= 23.87 %

SE 0027

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.123	0.092	0.036
PEAK AREA (ABS-SECONDS)	0.160	0.100	0.060

READ: 24.46 ACV 3 12:03

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.126	0.092	0.042
PEAK AREA (ABS-SECONDS)	0.165	0.100	0.064

READ: 24.53 98.0%

MEAN= 24.50 STD.DEV.= 0.05 COEF.VAR.= 0.19 %

SE 0028

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.028	0.015	0.022
PEAK AREA (ABS-SECONDS)	0.059	0.010	0.049

READ: 0.71 CCB 3 12:07

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.032	0.016	0.028
PEAK AREA (ABS-SECONDS)	0.057	0.004	0.053

READ: -0.91

MEAN= -0.10 STD.DEV.= 1.14 COEF.VAR.= 99.99 %

SE 0029

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.264	0.022	0.271
PEAK AREA (ABS-SECONDS)	0.263	0.011	0.252

READ: 1.02 9504G081-005

029 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.161	0.018	0.165
PEAK AREA (ABS-SECONDS)	0.259	0.003	0.256

9504G081-007
W

7333

0033 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.417	0.019	0.410
PEAK AREA (ABS-SECONDS)	0.328	0.012	0.317

READ: 1.22

MEAN= 0.48 STD.DEV.= 1.05 COEF.VAR.= 99.99 %

SE 0034

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.262	0.040	0.252
PEAK AREA (ABS-SECONDS)	0.342	0.035	0.307

READ: 7.33 N

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.239	0.034	0.241
PEAK AREA (ABS-SECONDS)	0.361	0.033	0.328

READ: 6.87 7.10

MEAN= 7.10 STD.DEV.= 0.33 COEF.VAR.= 4.62 %

SE 0035

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.128	0.094	0.042
PEAK AREA (ABS-SECONDS)	0.165	0.101	0.064

READ: 24.63 Accv 4 12:35

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.131	0.098	0.044
PEAK AREA (ABS-SECONDS)	0.172	0.100	0.072

READ: 24.31 97.9 %

MEAN= 24.47 STD.DEV.= 0.22 COEF.VAR.= 0.91 %

SE 0036

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.027	0.016	0.020
PEAK AREA (ABS-SECONDS)	0.054	0.007	0.047

READ: 0.06 CCV 4 12:39

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.032	0.021	0.021
PEAK AREA (ABS-SECONDS)	0.060	0.011	0.049

READ: 0.95

MEAN= 0.50 STD.DEV.= 0.63 COEF.VAR.= 99.99 %

SE 037

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.634	0.027	0.617
PEAK AREA (ABS-SECONDS)	0.682	0.007	0.675

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.634	0.027	0.617
PEAK AREA (ABS-SECONDS)	0.682	0.007	0.675

READ: -0.13 9503G001-003 SX

W

0037 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.629	0.024	0.622
PEAK AREA (ABS-SECONDS)	0.679	0.014	0.665

READ: 1.85

MEAN= 0.86 STD. DEV. = 1.40 COEF. VAR. = 99.99 %

SE 0038

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.642	0.055	0.624
PEAK AREA (ABS-SECONDS)	0.712	0.038	0.674

READ: 8.14 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.653	0.052	0.620
PEAK AREA (ABS-SECONDS)	0.715	0.038	0.677

READ: 8.12 81.3%

MEAN= 8.13 STD. DEV. = 0.02 COEF. VAR. = 0.20 %

SE 0039

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.622	0.019	0.603
PEAK AREA (ABS-SECONDS)	0.601	0.006	0.595

READ: -0.35 9503G001-005 SX

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.610	0.026	0.592
PEAK AREA (ABS-SECONDS)	0.595	0.011	0.583

READ: 1.15

MEAN= 0.40 STD. DEV. = 1.06 COEF. VAR. = 99.99 %

SE 0040

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.600	0.052	0.602
PEAK AREA (ABS-SECONDS)	0.634	0.039	0.594

A

READ: 8.52

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.598	0.057	0.593
PEAK AREA (ABS-SECONDS)	0.642	0.045	0.597

READ: 9.94 92.2%

READ: 9.94 9.23 ✓

MEAN= 9.23 STD.DEV.= 1.00 COEF.VAR.= 10.86 %

SE 0041

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.691	0.025	0.689
PEAK AREA (ABS-SECONDS)	0.696	0.008	0.689

READ: 0.21 9503G001-007 SX

0041 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.706	0.027	0.688
PEAK AREA (ABS-SECONDS)	0.689	0.010	0.680

READ: 0.72

MEAN= 0.46 STD.DEV.= 0.36 COEF.VAR.= 78.33 %

SE 0042

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.684	0.051	0.687
PEAK AREA (ABS-SECONDS)	0.736	0.041	0.695

READ: 8.91 ✓

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.695	0.048	0.689
PEAK AREA (ABS-SECONDS)	0.727	0.038	0.689

READ: 8.13 8.52 ✓ ✓

MEAN= 8.52 STD.DEV.= 0.55 COEF.VAR.= 6.44 %

SE 0043

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.594	0.022	0.577
PEAK AREA (ABS-SECONDS)	0.570	-0.001	0.572

READ: -2.19 9503G001-009 SX

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.604	0.021	0.593
PEAK AREA (ABS-SECONDS)	0.573	0.011	0.562

READ: 0.96

MEAN= -0.62 STD.DEV.= 2.22 COEF.VAR.= 99.99 %

SE 0044

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.593	0.050	0.589
PEAK AREA (ABS-SECONDS)	0.613	0.047	0.566

READ: 10.54

READ: 10.54

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.573	0.049	0.580
PEAK AREA (ABS-SECONDS)	0.600	0.044	0.556

READ: 9.81 161.76

MEAN= 10.17 STD. DEV. = 0.52 COEF. VAR. = 5.10 %

SE 0045

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.619	0.031	0.613
PEAK AREA (ABS-SECONDS)	0.686	0.013	0.673

READ: 1.52 9503G001-01 5X

0045 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.628	0.032	0.599
PEAK AREA (ABS-SECONDS)	0.689	0.016	0.672

READ: 2.44

MEAN= 1.98 STD. DEV. = 0.65 COEF. VAR. = 32.89 %

SE 0046

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.624	0.060	0.620
PEAK AREA (ABS-SECONDS)	0.726	0.047	0.679

READ: 10.62

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.638	0.052	0.617
PEAK AREA (ABS-SECONDS)	0.738	0.047	0.691

READ: 10.51 85.81

MEAN= 10.56 STD. DEV. = 0.08 COEF. VAR. = 0.75 %

SE 0047

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.129	0.091	0.046
PEAK AREA (ABS-SECONDS)	0.178	0.099	0.079

READ: 24.25 ACC 13:22

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.130	0.084	0.048
PEAK AREA (ABS-SECONDS)	0.176	0.097	0.079

READ: 23.59 95.71

MEAN= 23.92 STD. DEV. = 0.46 COEF. VAR. = 1.94 %

SE 0048

737

MEAN= 25.92 STD.DEV.= 0.48 COEF. VAR.= 1.

SE 0048

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.034	0.022	0.025
PEAK AREA (ABS-SECONDS)	0.060	0.011	0.049

READ: 1.07 CCB 5 13:26

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.033	0.014	0.030
PEAK AREA (ABS-SECONDS)	0.049	-0.001	0.051

READ: -2.19

MEAN= -0.56 STD.DEV.= 2.31 COEF.VAR.= 99.99 %

SE 0049

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.627	0.021	0.628
PEAK AREA (ABS-SECONDS)	0.700	0.008	0.693

READ: 0.23 95036001-013 5X

0049 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.611	0.022	0.611
PEAK AREA (ABS-SECONDS)	0.696	0.009	0.687

READ: 0.48 Rerun 4/6 RF

MEAN= 0.36 STD.DEV.= 0.17 COEF.VAR.= 48.07 %

SE 0050

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.621	0.050	0.600
PEAK AREA (ABS-SECONDS)	0.733	0.037	0.696

READ: 7.92 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.637	0.048	0.604
PEAK AREA (ABS-SECONDS)	0.729	0.030	0.699

READ: 5.94

MEAN= 6.93 STD.DEV.= 1.40 COEF.VAR.= 20.17 %

SE 0051

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.162	0.015	0.159
PEAK AREA (ABS-SECONDS)	0.298	0.004	0.293

READ: -0.67 9504 G081-002 CF748

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.017	0.174
PEAK AREA (ABS-SECONDS)	0.325	0.008	0.316

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.184	0.017	0.174
PEAK AREA (ABS-SECONDS)	0.325	0.008	0.316

READ: 0.26

MEAN= -0.20 STD. DEV. = 0.66 COEF. VAR. = 99.99 %

SE 0052

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.142	0.035	0.142
PEAK AREA (ABS-SECONDS)	0.310	0.035	0.275

READ: 7.41

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.170	0.033	0.166
PEAK AREA (ABS-SECONDS)	0.327	0.037	0.290

READ: 7.83

MEAN= 7.62 STD. DEV. = 0.29 COEF. VAR. = 3.87 %

SE 0053

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.158	0.018	0.153
PEAK AREA (ABS-SECONDS)	0.307	0.007	0.300

READ: 0.01

95-04-E081-005

0053 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.206	0.020	0.198
PEAK AREA (ABS-SECONDS)	0.326	0.013	0.313

READ: 1.64

MEAN= 0.83 STD. DEV. = 1.15 COEF. VAR. = 99.99 %

SE 0054

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.200	0.038	0.200
PEAK AREA (ABS-SECONDS)	0.369	0.036	0.332

READ: 7.68

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.226	0.036	0.221
PEAK AREA (ABS-SECONDS)	0.358	0.039	0.320

READ: 8.32

MEAN= 8.00 STD. DEV. = 0.46 COEF. VAR. = 5.70 %

SE 0055

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.622	0.023	0.621
PEAK AREA (ABS-SECONDS)	0.701		

PEAK HEIGHT (ABSORBANCE)	0.622	0.023	0.621
PEAK AREA (ABS-SECONDS)	0.701	0.003	0.698

READ: -1.14 9503G001-013 SX

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.644	0.021	0.638
PEAK AREA (ABS-SECONDS)	0.705	0.008	0.697

READ: 0.31

MEAN= -0.42 STD.DEV.= 1.03 COEF.VAR.= 99.99 %

SE 0056

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.624	0.051	0.613
PEAK AREA (ABS-SECONDS)	0.743	0.036	0.707

READ: 7.67

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.616	0.054	0.613
PEAK AREA (ABS-SECONDS)	0.742	0.040	0.701

READ: 8.77 87.7

MEAN= 8.22 STD.DEV.= 0.78 COEF.VAR.= 9.45 %

SE 0057

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.140	0.096	0.056
PEAK AREA (ABS-SECONDS)	0.177	0.105	0.071

READ: 25.82

0057 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.142	0.098	0.053
PEAK AREA (ABS-SECONDS)	0.172	0.098	0.074

READ: 23.88 99.4%

MEAN= 24.85 STD.DEV.= 1.37 COEF.VAR.= 5.51 %

SE 0058

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.031	0.018	0.027
PEAK AREA (ABS-SECONDS)	0.052	0.005	0.047

READ: -0.41

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.026	0.012	0.022
PEAK AREA (ABS-SECONDS)	0.049	0.005	0.044

READ: -0.63

READ: -0.63

MEAN= -0.52 STD. DEV. = 0.16 COEF. VAR. = 30.29 %

SE 0059

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.032	0.017	0.024
PEAK AREA (ABS-SECONDS)	0.055	0.008	0.047

READ: 0.22 95GF751-m01

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.032	0.015	0.028
PEAK AREA (ABS-SECONDS)	0.051	0.008	0.043

READ: 0.30

MEAN= 0.26 STD. DEV. = 0.06 COEF. VAR. = 21.83 %

SE 0060

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.065	0.042	0.032
PEAK AREA (ABS-SECONDS)	0.098	0.041	0.057

READ: 8.98 A

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.062	0.038	0.032
PEAK AREA (ABS-SECONDS)	0.100	0.041	0.058

READ: 8.96 89 76

MEAN= 8.97 STD. DEV. = 0.02 COEF. VAR. = 0.19 %

SE 0061

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.064	0.038	0.032
PEAK AREA (ABS-SECONDS)	0.095	0.037	0.058

READ: 7.92 95GF751-LC1

0061 (CONTINUED)

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.059	0.038	0.028
PEAK AREA (ABS-SECONDS)	0.096	0.042	0.054

READ: 9.20 85.62 ✓

MEAN= 8.56 STD. DEV. = 0.91 COEF. VAR. = 10.58 %

SE 0062

	AA	ZAA	BG
PEAK HEIGHT (ABSORBANCE)	0.099	0.069	0.040
PEAK AREA (ABS-SECONDS)	0.139	0.074	0.065

READ: 17.65 A

(2)

WESTON Analytics AA7.3 Report

Data File:TL0330D3 Date collected: 95/03/30 Time:
Method File: Date of Report: Time:
Analyst: DAK Remarks:

	TL ppb				
AICV	24.88	MTLTO	1		16:48
ICB	-0.73	MTLTO	1		16:53
CRA	10.07	MTLTO	1		16:59
ACCV §1	34.65	MTLTO	1		17:05
CCB §1	-1.26	MTLTO	1		17:10
956F735-MB1	-0.92	MTLTO	1	956F735	17:16
956F735-LC1	24.52	MTLTO	2		17:28
• 95036001-017	-0.48	MTLTO	1		17:39
95036001-017R	-0.45	MTLTO	1		17:50
ACCV §2	33.58	MTLTO	1		18:02
CCB §2	-1.00	MTLTO	1		18:08
95036001-017S	24.49	MTLTO	2		18:13
95036001-018	-0.47	MTLTO	1		18:25
95036001-019	-0.69	MTLTO	1		18:36
95036001-020	-0.06	MTLTO	1		18:47
ACCV §3	33.26	MTLTO	1		18:59
CCB §3	-0.58	MTLTO	1		19:04
95036001-021	-0.34	MTLTO	1		19:10
95036001-022	-0.14 W	MTLTO	1		19:21
956F734-MB1	-0.52	MTLTO	1	956F734	19:33
956F734-LC1	23.74	MTLTO	2		19:44
ACCV §4	33.68	MTLTO	1		19:55
CCB §4	-0.62	MTLTO	1		20:01
956F734-LC2	23.68	MTLTO	2		20:06
• 95036933-001	-0.80	MTLTO	1		20:18
95036933-002	-1.03	MTLTO	1		20:29
95036933-003	-0.47	MTLTO	1		20:40
ACCV	33.60	MTLTO	1		20:51
CCB	-0.69	MTLTO	1		20:57
95036933-004	-0.23	MTLTO	1		21:02
95036933-005	-0.88	MTLTO	1		21:13
95036933-006	-0.65	MTLTO	1		21:24
95036933-007	-0.37	MTLTO	1		21:35
ACCV	34.64	MTLTO	1		21:47
CCB	-0.34	MTLTO	1		21:52
95036933-008	-0.79	MTLTO	1		21:58
95036933-009	-0.69	MTLTO	1		22:09
95036933-010	0.61	MTLTO	1		22:20
95036933-011	-0.62	MTLTO	1		22:32
ACCV	34.31	MTLTO	1		22:43
CCB	-0.44	MTLTO	1		22:49
95036933-012	-0.49	MTLTO	1		22:54
95036933-013	-0.43	MTLTO	1		23:06
95036933-014	-0.24	MTLTO	1		23:17
95036933-016	-0.41	MTLTO	1		23:28
ACCV	34.72	MTLTO	1		23:39
CCB	0.04	MTLTO	1		23:45
95036933-016R	-0.60	MTLTO	1		23:52
95036933-016S	24.90	MTLTO	2		00:03
95036933-017	-0.68	MTLTO	1		00:14
95036933-018	-0.32	MTLTO	1		00:26
ACCV	35.03	MTLTO	1		00:37
CCB	-0.77	MTLTO	1		00:43

Run-1

IDL = 0.7 ug/L *

* AA4 1.7
AA6 1.1
AA7 0.7

report highest of the 3

Debbie Kelly 3/31/95

Jim Stan 3/31/95

Updated DAK 3/31/95

741

88

IC2

c. CLP

OP No. 21-21G-1566

WESTON-Gulf Coast, Inc.

AA7 - PE4100ZL GFAA Sample Analysis Log

Page: 189

Element: TL

Lamp: EDL Current: 400 DAK 3/30/95 Energy: 60

300

Filename: TL0330C

Prep Batch:

QC: (a.) Standard (b.) CLP

c. Other:

AS-71

LOC			Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA	(ug/L)	3	5	10	10	5	0.5
72	STD 2	"	10	10	20	20	10	1.0
73	STD 3	"	30	20	30	30	20	2.0
74	STD 4	"	50	40	50	50	40	4.0
75	STD 5	"	70	50	70	70	50	5.0
76	ICV/CCV	"	35	25	35	35	25	2.5
77	ICB/CCB	"	0	0	0	0	0	0
78	Modifier							
79	_____							
80	Diluent							
0	Spike Solution	"	40	20	40	40	10	2.0

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	95GF735-MB1				(CLP Sols)
2	-LC1 (2x)				
3	9503G001-017				
4	-017R				
5	-017S (2x)				
6	-018				
7	-019				
8	-020				
9	-021				
10	-022				
11	95GF734-MB1				H2O2
12	-LC1 (2x)				CLP OZL.
13	-LC2 (2x)				
14	9503G933-001				
15	-002				
16	-003				
17	-004				
18	-005				
19	-006				
20	-007				
21	-008				
22	-009				
23	-010				
24	-011				
25	-012				
26	-013				
27	-014				
28	-016				
29	-016R				
30	-016S (2x)				
31	-017				
32	-018				
33					
34					
35					

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
36					
37					
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DAK 3/30/95

Analyst: Debbie Kelly Date: 3/30/95

Reviewer: [signature] Date: 3/31/95

742

Element File: TLCLP080.GEL
Element: Tl Analyst: DAK/BH
Print Data: Main+Suppl. Peak Storage: None
Remarks:
STANDARDS 1276-71-8
ICV,CCV'S 1276-72-1
MODIFIER - 4 UL PD(NO3)2 = 2% CITRIC ACID
EDL SERIAL NO. 762 ; IDL=0.7
ANALYSTS - DEBBIE KELLY\BRIAN HAMENDE

INSTRUMENT: 4100 ZL Technique: HGA Version: 7.30
Wavelength: 276.8 Peak Slit: 0.7 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 5.0 Read Delay: 0.0 BOC Time: 2
Sample Replicates: 2 if (= 70.00 ug/L, 2 if) 70.00 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	10	4	
Standard 1	S10	10.00	71	20	10	4	
Standard 2	S20	20.00	72	20	10	4	
Standard 3	S30	30.00	73	20	10	4	
Standard 4	S50	50.00	74	20	10	4	
Standard 5	S70	70.00	75	20	10	4	
Samples				20	10	4	

Diluent Location: 80
Modifier #1 Location: 78 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	140	15	15	250		Norm
2	180	30	5	250		Norm
3	250	5	10	250		Norm
4	700	1	10	250		Norm
5	1600	0	5	0	*	Norm
6	2400	1	5	250		Norm
7	20	1	5	250		Norm

Injection Temp: 50 Pipette Speed: 100% Extraction System: On

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10.00 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.50	27.50	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA			X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	2.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: TLCLP080.GEL Element: Tl Wavelength: 276.8
Date: 03/30/95 Time: 16:11 Slit: 0.7 L
Data File: TL0330C3.DAT ID/Wt File: TL033003.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 60
Remark 1: STANDARDS 1276-71-8
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER - 4 UL PD(NO3)2 = 2% CITRIC ACID
Remark 4: EDL SERIAL NO. 762 ; IDL=0.7
Remark 5: ANALYSTS - DEBBIE KELLY\BRIAN HAMENDE

Debbie Kelly

Tl ID: S0 Seq. No.: 00001 A/S Pos.: 77 Date: 03/30/95

Replicate 1 Time: 16:11
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.010 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -2.14

Replicate 2 Time: 16:13
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.010 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.62

Mean Conc (ug/L): -2.38 SD: 0.340 RSD(%): 14.26

Auto-zero performed.

Tl ID: S10 Seq. No.: 00002 A/S Pos.: 71 Date: 03/30/95

Replicate 1 Time: 16:16
Peak Area (A-s): 0.030 Peak Height (A): 0.052
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 7.48

Replicate 2 Time: 16:19
Peak Area (A-s): 0.032 Peak Height (A): 0.054
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 8.00

Mean Conc (ug/L): 7.74 SD: 0.372 RSD(%): 4.81

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0031 Int: 0.000

Tl ID: S20 Seq. No.: 00003 A/S Pos.: 72 Date: 03/30/95

Replicate 1 Time: 16:22
Peak Area (A-s): 0.063 Peak Height (A): 0.113
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.063
Concentration (ug/L): 19.97

Replicate 2 Time: 16:25
Peak Area (A-s): 0.062 Peak Height (A): 0.114
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.062
Concentration (ug/L): 19.84

Mean Conc (ug/L): 19.90 SD: 0.093 RSD(%): 0.47

Standard number 2 applied. [20.00]
Correlation coefficient: 1.00000 Slope: 0.0031 Int: 0.000

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T1 ID: S30 Seq. No.: 00004 A/S Pos.: 73 Date: 03/30/95

Replicate 1 Time: 16:28
Peak Area (A-s): 0.092 Peak Height (A): 0.151
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 29.31

Replicate 2 Time: 16:31
Peak Area (A-s): 0.092 Peak Height (A): 0.146
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 29.33

Mean Conc (ug/L): 29.32 SD: 0.016 RSD(%): 0.05

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99985 Slope: 0.0031 Int: 0.000

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T1 ID: S50 Seq. No.: 00005 A/S Pos.: 74 Date: 03/30/95

Replicate 1 Time: 16:33
Peak Area (A-s): 0.153 Peak Height (A): 0.254
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 49.66

Replicate 2 Time: 16:36
Peak Area (A-s): 0.154 Peak Height (A): 0.249
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 50.27

Mean Conc (ug/L): 49.96 SD: 0.425 RSD(%): 0.85

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99995 Slope: 0.0031 Int: 0.001

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T1 ID: S70 Seq. No.: 00006 A/S Pos.: 75 Date: 03/30/95

Replicate 1 Time: 16:39
Peak Area (A-s): 0.207 Peak Height (A): 0.303
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.207
Concentration (ug/L): 67.54

746
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Replicate 2 Time: 16:42
Peak Area (A-s): 0.204 Peak Height (A): 0.307
Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.166
Blank Corrected Pk Area (A-s): 0.204
Concentration (ug/L): 66.50

Mean Conc (ug/L): 67.02 SD: 0.736 RSD(%): 1.10

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99947 Slope: 0.0030 Int: 0.002

T1 ID: AICV Seq. No.: 00007 A/S Pos.: 79 Date: 03/30/95

Replicate 1 Time: 16:45
Peak Area (A-s): 0.075 Peak Height (A): 0.130
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 24.68

Replicate 2 Time: 16:48
Peak Area (A-s): 0.076 Peak Height (A): 0.130
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 25.08

Mean Conc (ug/L): 24.88 SD: 0.289 RSD(%): 1.16

QC sample is within range 22.50 - 27.50

T1 ID: ICB Seq. No.: 00008 A/S Pos.: 77 Date: 03/30/95

Replicate 1 Time: 16:50
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.52

Replicate 2 Time: 16:53
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.93

Mean Conc (ug/L): -0.73 SD: 0.291 RSD(%): 39.91

QC sample is within range -3.00 - 2.00

T1 ID: CRA Seq. No.: 00009 A/S Pos.: 71 Date: 03/30/95

Replicate 1 Time: 16:56
Peak Area (A-s): 0.032 Peak Height (A): 0.054
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 10.15

Replicate 2 Time: 16:59

748

Peak Area (A-s): 0.032 | Peak Height (A): 0.057
Background Pk Area (A-s): 0.008 | Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 10.00

Mean Conc (ug/L): 10.07 SD: 0.108 RSD(%): 1.08

QC sample is within range

~~~~~~

T1 ID: ACCV Seq. No.: 00010 A/S Pos.: 76 Date: 03/30/95

Replicate 1 | Time: 17:02
Peak Area (A-s): 0.105 | Peak Height (A): 0.161
Background Pk Area (A-s): 0.044 | Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 34.83

Replicate 2 | Time: 17:05
Peak Area (A-s): 0.104 | Peak Height (A): 0.169
Background Pk Area (A-s): 0.045 | Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 34.48

Mean Conc (ug/L): 34.65 SD: 0.246 RSD(%): 0.71

QC sample is within range 31.50 - 38.50

~~~~~~

T1 ID: CCB Seq. No.: 00011 A/S Pos.: 77 Date: 03/30/95

Replicate 1 | Time: 17:08
Peak Area (A-s): -0.002 | Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 | Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.33

Replicate 2 | Time: 17:10
Peak Area (A-s): -0.001 | Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 | Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.20

Mean Conc (ug/L): -1.26 SD: 0.095 RSD(%): 7.49

QC sample is within range -3.00 - 2.00

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T1 ID: 95GF735-MB1 Seq. No.: 00012 A/S Pos.: 1 Date: 03/30/95

Replicate 1 | Time: 17:13
Peak Area (A-s): -0.000 | Peak Height (A): 0.006
Background Pk Area (A-s): -0.008 | Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.83

Replicate 2 | Time: 17:16
Peak Area (A-s): -0.001 | Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 | Background Pk Height (A): 0.003
~~~~~~

749

Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.01

Mean Conc (ug/L): -0.92 SD: 0.125 RSD(%): 13.57

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T1 ID: 95GF735-MB1 Seq. No.: 00013 A/S Pos.: 1 Date: 03/30/95

Replicate 1 Time: 17:19
Peak Area (A-s): 0.065 Peak Height (A): 0.103
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 21.31

Replicate 2 Time: 17:22
Peak Area (A-s): 0.064 Peak Height (A): 0.105
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 20.97

Mean Conc (ug/L): 21.14 SD: 0.241 RSD(%): 1.14

Recovery is 110.3% 105.7%

~~~~~~

T1 ID: 95GF735-LC1 2X Seq. No.: 00014 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 17:25
Peak Area (A-s): 0.074 Peak Height (A): 0.128
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 24.28

Replicate 2 Time: 17:28
Peak Area (A-s): 0.075 Peak Height (A): 0.129
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 24.76

Mean Conc (ug/L): 24.52 98.1% SD: 0.340 RSD(%): 1.38

~~~~~~

T1 ID: 95GF735-LC1 2X Seq. No.: 00015 A/S Pos.: 2 Date: 03/30/95

Replicate 1 Time: 17:31
Peak Area (A-s): 0.135 Peak Height (A): 0.229
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 44.90

Replicate 2 Time: 17:33
Peak Area (A-s): 0.132 Peak Height (A): 0.205
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 43.92

Mean Conc (ug/L): 44.41 SD: 0.693 RSD(%): 1.56

Recovery is 99.5%
~~~~~~

T1 ID: 9503G001-017 Seq. No.: 00016 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 17:36
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.01

Replicate 2 Time: 17:39
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 (ug/L): -0.96

Mean Conc (ug/L): -0.48 SD: 0.668 RSD(%): 138.18

T1 ID: 9503G001-017 Seq. No.: 00017 A/S Pos.: 3 Date: 03/30/95

Replicate 1 Time: 17:42
Peak Area (A-s): 0.062 Peak Height (A): 0.151
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.096
Blank Corrected Pk Area (A-s): 0.062
Concentration (ug/L): 20.36

Replicate 2 Time: 17:45
Peak Area (A-s): 0.060 Peak Height (A): 0.153
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 19.67

Mean Conc (ug/L): 20.01 SD: 0.488 RSD(%): 2.44

Recovery is 102.5% 100.0% ✓

T1 ID: 9503G001-017R Seq. No.: 00018 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 17:48
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.60

Replicate 2 Time: 17:50
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 (ug/L): -0.29

Mean Conc (ug/L): -0.45 SD: 0.214 RSD(%): 47.89

T1 ID: 9503G001-017R Seq. No.: 00019 A/S Pos.: 4 Date: 03/30/95

Replicate 1 Time: 17:53
Peak Area (A-s): 0.058 Peak Height (A): 0.154
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.092

Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 19.04

Replicate 2 Time: 17:56
Peak Area (A-s): 0.060 Peak Height (A): 0.150
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.096
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 19.44

Mean Conc (ug/L): 19.24 SD: 0.284 RSD(%): 1.48

Recovery is 98.4% 96.2%

~~~~~~

T1 ID: ACCV Seq. No.: 00020 A/S Pos.: 76 Date: 03/30/95

Replicate 1 Time: 17:59
Peak Area (A-s): 0.102 Peak Height (A): 0.172
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 33.86

Replicate 2 Time: 18:02
Peak Area (A-s): 0.100 Peak Height (A): 0.169
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 33.29

Mean Conc (ug/L): 33.58 SD: 0.405 RSD(%): 1.21

QC sample is within range 31.50 - 38.50

~~~~~~

T1 ID: CCB Seq. No.: 00021 A/S Pos.: 77 Date: 03/30/95

Replicate 1 Time: 18:05
Peak Area (A-s): -0.001 Peak Height (A): 0.007
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.10

Replicate 2 Time: 18:08
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.90

Mean Conc (ug/L): -1.00 SD: 0.142 RSD(%): 14.17

QC sample is within range -3.00 - 2.00

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T1 ID: 9503G001-017S2X Seq. No.: 00022 A/S Pos.: 5 Date: 03/30/95

Replicate 1 Time: 18:10
Peak Area (A-s): 0.075 Peak Height (A): 0.146
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 24.61
~~~~~~

752

Replicate 2
Peak Area (A-s): 0.074
Background Pk Area (A-s): 0.034
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 24.37

Time: 18:13
Peak Height (A): 0.148
Background Pk Height (A): 0.084

Mean Conc (ug/L): 24.49 98.0% SD: 0.172 RSD(%): 0.70

~~~~~~

T1 ID: 9503G001-017S2X Seq. No.: 00023 A/S Pos.: 5 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.131
Background Pk Area (A-s): 0.070
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 43.69

Time: 18:16
Peak Height (A): 0.236
Background Pk Height (A): 0.140

Replicate 2
Peak Area (A-s): 0.130
Background Pk Area (A-s): 0.069
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 43.18

Time: 18:19
Peak Height (A): 0.237
Background Pk Height (A): 0.150

Mean Conc (ug/L): 43.44 SD: 0.360 RSD(%): 0.83

Recovery is 94.7% ✓

~~~~~~

T1 ID: 9503G001-018 Seq. No.: 00024 A/S Pos.: 6 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.23

Time: 18:22
Peak Height (A): 0.007
Background Pk Height (A): 0.027

Replicate 2
Peak Area (A-s): 0.000
Background Pk Area (A-s): 0.013
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.71

Time: 18:25
Peak Height (A): 0.005
Background Pk Height (A): 0.030

Mean Conc (ug/L): -0.47 SD: 0.335 RSD(%): 71.35

~~~~~~

T1 ID: 9503G001-018 Seq. No.: 00025 A/S Pos.: 6 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.062
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.062
Concentration (ug/L): 20.17

Time: 18:27
Peak Height (A): 0.135
Background Pk Height (A): 0.079

Replicate 2
Peak Area (A-s): 0.063
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.063
Concentration (ug/L): 20.61

Time: 18:30
Peak Height (A): 0.144
Background Pk Height (A): 0.079
~~~~~~

753

Mean Conc (ug/L): 20.39 SD: 0.312 RSD(%): 1.53

Recovery is 104.3% 102.0% ✓

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T1 ID: 9503G001-019 Seq. No.: 00026 A/S Pos.: 7 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.001
Background Pk Area (A-s): -0.007
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.50

Time: 18:33
Peak Height (A): 0.007
Background Pk Height (A): 0.005

Replicate 2
Peak Area (A-s): -0.000
Background Pk Area (A-s): -0.007
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.87

Time: 18:36
Peak Height (A): 0.005
Background Pk Height (A): 0.005

Mean Conc (ug/L): -0.69 SD: 0.260 RSD(%): 37.86

~~~~~~

T1 ID: 9503G001-019 Seq. No.: 00027 A/S Pos.: 7 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.059
Background Pk Area (A-s): 0.029
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 19.37

Time: 18:39
Peak Height (A): 0.132
Background Pk Height (A): 0.087

Replicate 2
Peak Area (A-s): 0.057
Background Pk Area (A-s): 0.028
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 18.51

Time: 18:42
Peak Height (A): 0.130
Background Pk Height (A): 0.076

Mean Conc (ug/L): 18.94 SD: 0.611 RSD(%): 3.23

Recovery is 98.1% 94.7% ✓

~~~~~~

T1 ID: 9503G001-020 Seq. No.: 00028 A/S Pos.: 8 Date: 03/30/95

Replicate 1
Peak Area (A-s): 0.002
Background Pk Area (A-s): -0.000
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.06

Time: 18:44
Peak Height (A): 0.008
Background Pk Height (A): 0.005

Replicate 2
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.002
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.18

Time: 18:47
Peak Height (A): 0.008
Background Pk Height (A): 0.006

Mean Conc (ug/L): -0.06 SD: 0.172 RSD(%): 297.52
~~~~~~

T1 ID: 9503G001-020 Seq. No.: 00029 A/S Pos.: 8 Date: 03/30/95

Replicate 1 Time: 18:50
Peak Area (A-s): 0.055 Peak Height (A): 0.109
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 18.03

Replicate 2 Time: 18:53
Peak Area (A-s): 0.057 Peak Height (A): 0.142
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 18.70

Mean Conc (ug/L): 18.37 SD: 0.471 RSD(%): 2.57

Recovery is 92.1% 91.8%

T1 ID: ACCV Seq. No.: 00030 A/S Pos.: 76 Date: 03/30/95

Replicate 1 Time: 18:56
Peak Area (A-s): 0.101 Peak Height (A): 0.168
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 33.37

Replicate 2 Time: 18:59
Peak Area (A-s): 0.100 Peak Height (A): 0.175
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 33.15

Mean Conc (ug/L): 33.26 SD: 0.155 RSD(%): 0.47

QC sample is within range 31.50 - 38.50

T1 ID: CCB Seq. No.: 00031 A/S Pos.: 77 Date: 03/30/95

Replicate 1 Time: 19:01
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.83

Replicate 2 Time: 19:04
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.010 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.32

Mean Conc (ug/L): -0.58 SD: 0.359 RSD(%): 62.47

QC sample is within range -3.00 - 2.00

755

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T1 ID: 9503G001-021 Seq. No.: 00032 A/S Pos.: 9 Date: 03/30/95

Replicate 1 Time: 19:07
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.13

Replicate 2 Time: 19:10
Peak Area (A-s): 0.000 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 (ug/L): -0.54

Mean Conc (ug/L): -0.34 SD: 0.294 RSD(%): 87.16

~~~~~~

T1 ID: 9503G001-021 Seq. No.: 00033 A/S Pos.: 9 Date: 03/30/95

Replicate 1 Time: 19:13
Peak Area (A-s): 0.059 Peak Height (A): 0.122
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 19.33

Replicate 2 Time: 19:16
Peak Area (A-s): 0.061 Peak Height (A): 0.158
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 19.94

Mean Conc (ug/L): 19.63 SD: 0.429 RSD(%): 2.19

Recovery is 99.8% 98.2%

~~~~~~

T1 ID: 9503G001-0220 PPK 3/30/95 Seq. No.: 00034 A/S Pos.: 10 Date: 03/30/95

W

Replicate 1 Time: 19:18
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.02

Replicate 2 Time: 19:21
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.31

Mean Conc (ug/L): -0.14 SD: 0.236 RSD(%): 163.02

~~~~~~

T1 ID: 9503G001-0220 PPK 3/30/95 Seq. No.: 00035 A/S Pos.: 10 Date: 03/30/95

Replicate 1 Time: 19:24
Peak Area (A-s): 0.036 Peak Height (A): 0.087
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.045

Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 11.34

Replicate 2 — Time: 19:27
Peak Area (A-s): 0.039 — Peak Height (A): 0.095
Background Pk Area (A-s): 0.062 — Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 12.42

Mean Conc (ug/L): 11.88 SD: 0.760 RSD(%): 6.40

Recovery is 60.1% 59.4%

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Tl ID: 95GF734-MB1 Seq. No.: 00036 A/S Pos.: 11 Date: 03/30/95

Replicate 1 — Time: 19:30
Peak Area (A-s): 0.001 — Peak Height (A): 0.007
Background Pk Area (A-s): -0.009 — Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.45

Replicate 2 — Time: 19:33
Peak Area (A-s): 0.000 — Peak Height (A): 0.006
Background Pk Area (A-s): -0.009 — Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.59

Mean Conc (ug/L): -0.52 SD: 0.104 RSD(%): 19.97

~~~~~~

Tl ID: 95GF734-MB1 Seq. No.: 00037 A/S Pos.: 11 Date: 03/30/95

Replicate 1 — Time: 19:35
Peak Area (A-s): 0.066 — Peak Height (A): 0.113
Background Pk Area (A-s): 0.024 — Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 21.50

Replicate 2 — Time: 19:38
Peak Area (A-s): 0.065 — Peak Height (A): 0.116
Background Pk Area (A-s): 0.024 — Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 21.15

Mean Conc (ug/L): 21.32 SD: 0.242 RSD(%): 1.13

Recovery is 109.2% 106.6%

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Tl ID: 95GF734-LC1 2X Seq. No.: 00038 A/S Pos.: 12 Date: 03/30/95

Replicate 1 — Time: 19:41
Peak Area (A-s): 0.072 — Peak Height (A): 0.126
Background Pk Area (A-s): 0.028 — Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.75

Replicate 2 — Time: 19:44
~~~~~~

Peak Area (A-s): 0.072 Peak Height (A): 0.128
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.73

Mean Conc (ug/L): 23.74 SD: 0.012 RSD(%): 0.05

95.0%

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T1 ID: 95GF734-LC1 2X Seq. No.: 00039 A/S Pos.: 12 Date: 03/30/95

Replicate 1 Time: 19:46
Peak Area (A-s): 0.134 Peak Height (A): 0.216
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 44.53

Replicate 2 Time: 19:49
Peak Area (A-s): 0.133 Peak Height (A): 0.217
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 44.26

Mean Conc (ug/L): 44.40 SD: 0.191 RSD(%): 0.43

Recovery is 103.3% ✓

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T1 ID: ACCV Seq. No.: 00040 A/S Pos.: 76 Date: 03/30/95

Replicate 1 Time: 19:52
Peak Area (A-s): 0.102 Peak Height (A): 0.169
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 33.78

Replicate 2 Time: 19:55
Peak Area (A-s): 0.101 Peak Height (A): 0.170
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 33.58

Mean Conc (ug/L): 33.68 SD: 0.141 RSD(%): 0.42

QC sample is within range 31.50 - 38.50 ✓

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T1 ID: CCB Seq. No.: 00041 A/S Pos.: 77 Date: 03/30/95

Replicate 1 Time: 19:58
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.51

Replicate 2 Time: 20:01
Peak Area (A-s): -0.000 Peak Height (A): 0.005
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.72
~~~~~~

Mean Conc (ug/L): -0.62 SD: 0.153 RSD(%): 24.93

QC sample is within range -3.00 - 2.00

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T1 ID: 95GF734-LC2 2X Seq. No.: 00042 A/S Pos.: 13 Date: 03/30/95

Replicate 1 Time: 20:04
Peak Area (A-s): 0.073 Peak Height (A): 0.125
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 23.87

Replicate 2 Time: 20:06
Peak Area (A-s): 0.072 Peak Height (A): 0.122
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.50

Mean Conc (ug/L): 23.68 94.7% SD: 0.261 RSD(%): 1.10

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T1 ID: 95GF734-LC2 2X Seq. No.: 00043 A/S Pos.: 13 Date: 03/30/95

Replicate 1 Time: 20:09
Peak Area (A-s): 0.131 Peak Height (A): 0.214
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 43.59

Replicate 2 Time: 20:12
Peak Area (A-s): 0.132 Peak Height (A): 0.212
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 43.94

Mean Conc (ug/L): 43.76 SD: 0.252 RSD(%): 0.57

Recovery is 100.4%

~~~~~~

T1 ID: 9503G933-001 Seq. No.: 00044 A/S Pos.: 14 Date: 03/30/95

Replicate 1 Time: 20:15
Peak Area (A-s): 0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.62

Replicate 2 Time: 20:18
Peak Area (A-s): -0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.99

Mean Conc (ug/L): -0.80 SD: 0.266 RSD(%): 33.13

758
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(1)

WESTON Analytics AA.. Report

Data File:TL0405B1 Date collected: 95/04/05 Time:
Method File: Date of Report: Time:
Analyst: DAH Remarks:

Run 1-2

	TL ppb					
AICV	25.68		MTLTO	1		12:00
ICB	-0.72		MTLTO	1		12:06
CRA	10.28		MTLTO	1		12:12
ACCV } 1	34.49		MTLTO	1		12:17
CCB } 1	-0.98		MTLTO	1		12:23
956F744-MB1	-0.45		MTLTO	1	956F744	12:29
95036053-015	-0.25		MTLTO	1		12:40
95036053-016	-0.27		MTLTO	1		12:51
95036053-017	0.36		MTLTO	1		13:03
ACCV } 2	33.92		MTLTO	1		13:14
CCB } 2	-0.67		MTLTO	1		13:20
95036053-018	-0.15		MTLTO	1		13:25
956F745-MB1	-0.89		MTLTO	1	956F745	13:37
956F745-LC1	23.50		MTLTO	2		13:48
• 95036001-001	0.20	W	MTLTO	1		13:59
ACCV } 3	36.75		MTLTO	1		14:16
CCB } 3	-0.74		MTLTO	1		14:21
95036001-001R	0.15	W	MTLTO	1		14:27
95036001-001S	6.61		MTLTO	2		14:38
95036001-002	-0.47	W	MTLSO	1		14:51
95036001-002R	-0.74		MTLSO	1		15:03
ACCV } 4	37.55		MTLTO	1		15:14
CCB } 4	-0.57		MTLTO	1		15:20
95036001-002S	23.97		MTLSO	2		15:26
95036001-003	0.25	W	MTLTO	1		15:39
95036001-004	-0.59		MTLSO	1		15:50
95036001-005	1.01	W	MTLTO	1		16:01
ACCV } 5	36.08		MTLTO	1		16:13
CCB } 5	-0.56		MTLTO	1		16:18
95036001-006	-0.60		MTLSO	1		16:24
95036001-007	1.94	W	MTLTO	1		16:35
95036001-008	-0.62		MTLSO	1		16:46
95036001-009	1.40	W	MTLTO	1		16:57
ACCV } 6	36.10		MTLTO	1		17:08
CCB } 6	-0.62		MTLTO	1		17:14
95036001-010	-0.75		MTLSO	1		17:19
95036001-011	-0.02	W	MTLTO	1		17:30
95036001-012	-0.37		MTLSO	1		17:41
ACCV } 7	36.18		MTLTO	1		18:04
CCB } 7	-0.68		MTLTO	1		18:09
95036001-014	-0.52		MTLSO	1		18:15
95036001-015	-0.60		MTLTO	1		18:26
95036001-016	-0.53		MTLSO	1		18:37
ACCV } 8	35.53		MTLTO	1		18:48
CCB } 8	-0.76		MTLTO	1		18:54

Debbie Kelly 4/6/95

4/6/95

4/6/95

IDL = 1.1 ug/L *

* AA4 1.7
AA6 1.1
AA7 0.7
report highest of the 3

159

OP No. 21-21G-1541
Rev. 01; Eff. Date 12/15/94

WESTON Environmental Metrics, Inc.
AA6 - PE4100 GFAA Sample Analysis Log

Element: Tl
Lamp: EDL Current: 300 Energy: 66

Filename: TL040SA1
Prep Batch:

QC: (a.) Standard (b.) C

AS-71

LOC			Pb	Se	As	Tl	Ag	Cd
71	STD 1 CRA	(ug/L)	3	5	10	10	5	0.5
72	STD 2	"	10	10	20	20	10	1.0
73	STD 3	"	30	20	30	30	20	2.0
74	STD 4	"	50	40	50	50	40	4.0
75	STD 5	"	70	50	70	70	50	5.0
76	ICV/CCV	"	35	25	35	35	25	2.5
77	ICB/CCB	"	0	0	0	0	0	0
78	Modifier							
79	_____							
80	Diluent							
0	Spike Solution	"	40	20	40	40	10	2.0

	QC / Sample ID	Dil.	Rerun	MSA	Prep Batch
1	95GF744-MB1				(Std Soils
2	9503G053-015				
3	-016				
4	-017				
5	-018				
6	95GF745-MB1				(CLP H2O's
7	-LC1 (2x)				☆=Sol.
8	9503G0C1-001				
9	-001R				
10	-001S (2x)				
11	☆ -002				
12	☆ -002R				
13	☆ -002S (2x)				
14	-003				
15	☆ -004				
16	-005				
17	☆ -006				
18	-007				
19	☆ -008				
20	-009				
21	☆ -010				
22	-011				
23	☆ -012				
24	-013	4X	✓		
25	☆ -014				
26	-015				
27	☆ -016				
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	QC / Sample ID	Dil.	Rerun	MSA	Pre Bat
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Analyst: Debbie Kelly Date: 4/5/95

Reviewer: Jodi L Mozuk Date: 4/7/95

Element File: TLCLP080.GEL
Element: Tl Analyst: DAK/BH
Print Data: Main+Suppl. Peak Storage: None
Remarks:
STANDARDS 1276-71-8 IDL=1.1
ICV,CCV'S 1276-72-1
MODIFIER 4 UL PD(NO3)2 = 2% CITRIC ACID
EDL SERIAL NO. 482
ANALYST DEBBIE KELLY\BRIAN HAMENDE

INSTRUMENT: 4100 ZL Technique: HGA Version: 7.30
Wavelength: 276.8 Peak Slit: 0.7 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 5.0 Read Delay: 0.0 BOC Time: 2
Sample Replicates: 2 if <= 70.00 ug/L, 2 if > 70.00 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0		77	20	10	4	
Standard 1	S10	10.00	71	20	10	4	
Standard 2	S20	20.00	72	20	10	4	
Standard 3	S30	30.00	73	20	10	4	
Standard 4	S50	50.00	74	20	10	4	
Standard 5	S70	70.00	75	20	10	4	
Samples				20	10	4	

Diluent Location: 80
Modifier #1 Location: 78 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

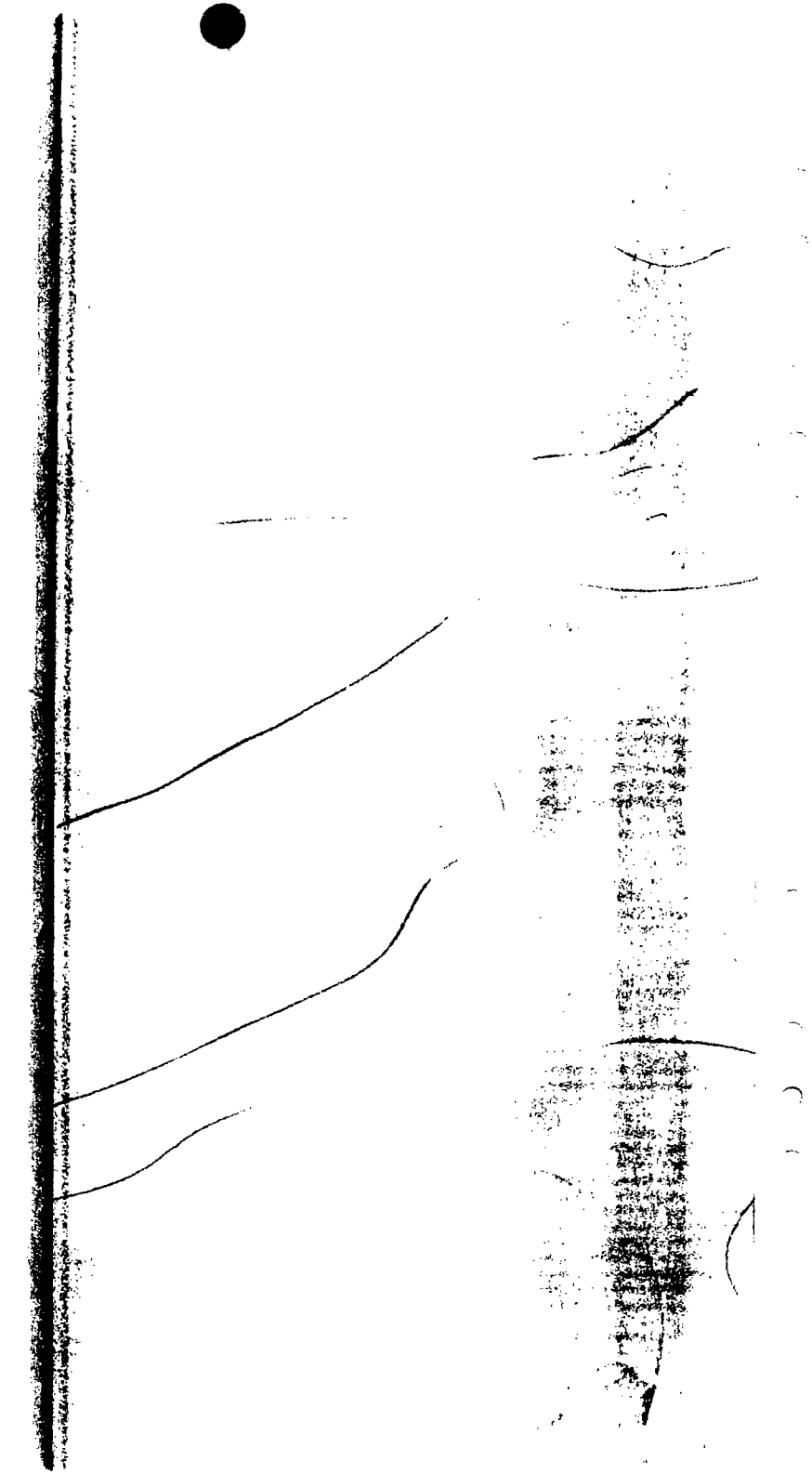
Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	140	15	15	250		Norm
2	180	30	5	250		Norm
3	250	5	10	250		Norm
4	700	1	10	250		Norm
5	1600	0	5	0	*	Norm
6	2400	1	5	250		Norm
7	20	1	5	250		Norm

Injection Temp: 50 Pipette Speed: 100% Extraction System: On

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End



CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After All Reps
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10.00 then Retry 1 times
Check %RSD on: Samples + Standards + QC Samples

Recovery Measurements:
10 uL of 40 ug/L Standard at Location 0 Gives 20.00 ug/L
Measure Recovery on Samples: 1-70
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	79	AICV	22.5	27.5	X			
2	77	ICB	-3.00	2.00	X			
3	71	CRA			X			X
4	76	ACCV	31.50	38.50	X	X	X	
5	77	CCB	-3.00	2.00	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: TLCLP080.GEL Element: Tl Wavelength: 276.8
Date: 04/05/95 Time: 11:21 Slit: 0.7 L
Data File: TL0405A1.DAT ID/Wt File: TL040501.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 66
Remark 1: STANDARDS 1276-71-8 IDL=1.1
Remark 2: ICV,CCV'S 1276-72-1
Remark 3: MODIFIER 4 UL PD(NO3)2 = 2% CITRIC ACID
Remark 4: EDL SERIAL NO. 482
Remark 5: ANALYST DEBBIE KELLY\BRIAN HAMENDE

Debbie Kelly

Tl ID: S0 Seq. No.: 00002 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 11:23
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -1.37

Replicate 2 Time: 11:26
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -1.16

Mean Conc (ug/L): -1.27 SD: 0.149 RSD(%): 11.77

Auto-zero performed.

Tl ID: S10 Seq. No.: 00003 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 11:29
Peak Area (A-s): 0.038 Peak Height (A): 0.057
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 11.38

Replicate 2 Time: 11:32
Peak Area (A-s): 0.039 Peak Height (A): 0.053
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 11.56

Mean Conc (ug/L): 11.47 SD: 0.127 RSD(%): 1.10

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0037 Int: 0.000

Tl ID: S20 Seq. No.: 00004 A/S Pos.: 72 Date: 04/05/95

Replicate 1 Time: 11:35
Peak Area (A-s): 0.073 Peak Height (A): 0.106
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 19.20

Replicate 2
Peak Area (A-s): 0.074
Background Pk Area (A-s): 0.034
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 19.58

Time: 11:38
Peak Height (A): 0.101
Background Pk Height (A): 0.053

Mean Conc (ug/L): 19.39 SD: 0.264 RSD(%): 1.36

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99983 Slope: 0.0036 Int: 0.000

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T1 ID: S30 Seq. No.: 00005 A/S Pos.: 73 Date: 04/05/95

Replicate 1
Peak Area (A-s): 0.106
Background Pk Area (A-s): 0.056
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 28.86

Time: 11:40
Peak Height (A): 0.192
Background Pk Height (A): 0.105

Replicate 2
Peak Area (A-s): 0.104
Background Pk Area (A-s): 0.055
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 28.40

Time: 11:43
Peak Height (A): 0.177
Background Pk Height (A): 0.098

Mean Conc (ug/L): 28.63 SD: 0.322 RSD(%): 1.12

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99932 Slope: 0.0035 Int: 0.001

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T1 ID: S50 Seq. No.: 00006 A/S Pos.: 74 Date: 04/05/95

Replicate 1
Peak Area (A-s): 0.180
Background Pk Area (A-s): 0.096
Blank Corrected Pk Area (A-s): 0.179
Concentration (ug/L): 51.07

Time: 11:46
Peak Height (A): 0.285
Background Pk Height (A): 0.164

Replicate 2
Peak Area (A-s): 0.178
Background Pk Area (A-s): 0.096
Blank Corrected Pk Area (A-s): 0.177
Concentration (ug/L): 50.59

Time: 11:49
Peak Height (A): 0.282
Background Pk Height (A): 0.159

Mean Conc (ug/L): 50.83 SD: 0.336 RSD(%): 0.66

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99971 Slope: 0.0035 Int: 0.001

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T1 ID: S70 Seq. No.: 00007 A/S Pos.: 75 Date: 04/05/95

Replicate 1
Peak Area (A-s): 0.244
Background Pk Area (A-s): 0.132
Blank Corrected Pk Area (A-s): 0.243
Concentr on (ug/L): 68.55

Time: 11:52
Peak Height (A): 0.360
Background Pk Height (A): 0.209
~~~~~~

Replicate 2 Time: 11:55
Peak Area (A-s): 0.243 Peak Height (A): 0.330
Background Pk Area (A-s): 0.131 Background Pk Height (A): 0.186
Blank Corrected Pk Area (A-s): 0.242
Concentration (ug/L): 68.29

Mean Conc (ug/L): 68.42 SD: 0.183 RSD(%): 0.27

Standard number 5 applied. [70.00]
Correlation coefficient: 0.99973 Slope: 0.0035 Int: 0.002

T1 ID: AICV Seq. No.: 00008 A/S Pos.: 79 Date: 04/05/95

Replicate 1 Time: 11:57
Peak Area (A-s): 0.092 Peak Height (A): 0.137
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 25.67

Replicate 2 Time: 12:00
Peak Area (A-s): 0.092 Peak Height (A): 0.113
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 25.68

Mean Conc (ug/L): 25.68 SD: 0.008 RSD(%): 0.03 ✓

QC sample is within range 22.5 - 27.5

T1 ID: ICB Seq. No.: 00009 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 12:03
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.89

Replicate 2 Time: 12:06
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.56

Mean Conc (ug/L): -0.72 SD: 0.236 RSD(%): 32.65

QC sample is within range -3.00 - 2.00

T1 ID: CHA Seq. No.: 00010 A/S Pos.: 71 Date: 04/05/95

Replicate 1 Time: 12:09
Peak Area (A-s): 0.038 Peak Height (A): 0.056
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 10.13

Replicate 2 Time: 12:12

Peak Area (A-s): 0.039 Peak Height (A): 0.058
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 10.42

Mean Conc (ug/L): 10.28 SD: 0.204 RSD(%): 1.99

QC sample is within range

Tl ID: ACCV Seq. No.: 00011 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 12:14
Peak Area (A-s): 0.120 Peak Height (A): 0.149
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 33.72

Replicate 2 Time: 12:17
Peak Area (A-s): 0.125 Peak Height (A): 0.183
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 35.26

Mean Conc (ug/L): 34.49 SD: 1.086 RSD(%): 3.15

QC sample is within range 31.50 - 38.50

Tl ID: CCB Seq. No.: 00012 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 12:20
Peak Area (A-s): -0.001 Peak Height (A): 0.002
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.02

Replicate 2 Time: 12:23
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.93

Mean Conc (ug/L): -0.98 SD: 0.067 RSD(%): 6.84

QC sample is within range -3.00 - 2.00

Tl ID: 95GF744-MB1 Seq. No.: 00013 A/S Pos.: 1 Date: 04/05/95

Replicate 1 Time: 12:26
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.48

Replicate 2 Time: 12:29
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003

Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 19.73

Replicate 2 Time: 13:08
Peak Area (A-s): 0.073 Peak Height (A): 0.154
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 20.21

Mean Conc (ug/L): 19.97 99.8% SD: 0.337 RSD(%): 1.69

Recovery is 98.1%

Tl ID: ACCV Seq. No.: 00021 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 13:11
Peak Area (A-s): 0.122 Peak Height (A): 0.163
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 34.29

Replicate 2 Time: 13:14
Peak Area (A-s): 0.119 Peak Height (A): 0.157
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 33.55

Mean Conc (ug/L): 33.92 SD: 0.528 RSD(%): 1.56

QC sample is within range 31.50 - 38.50

Tl ID: CCB Seq. No.: 00022 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 13:17
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.89

Replicate 2 Time: 13:20
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.46

Mean Conc (ug/L): -0.67 SD: 0.301 RSD(%): 44.76

QC sample is within range -3.00 - 2.00

Tl ID: 9503G053-018 Seq. No.: 00023 A/S Pos.: 5 Date: 04/05/95

Replicate 1 Time: 13:22
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
Concentr[illegible]on (ug/L): -0.21

Replicate 2 Time: 13:25
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.10

Mean Conc (ug/L): -0.15 SD: 0.081 RSD(%): 52.91

Tl ID: 9503G053-018 Seq. No.: 00024 A/S Pos.: 5 Date: 04/05/95

Replicate 1 Time: 13:28
Peak Area (A-s): 0.078 Peak Height (A): 0.154
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.101
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.69

Replicate 2 Time: 13:31
Peak Area (A-s): 0.077 Peak Height (A): 0.155
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 21.45

Mean Conc (ug/L): 21.57 SD: 0.175 RSD(%): 0.81

107.8%

Recovery is 108.6%

Tl ID: 95GF745-MB1 Seq. No.: 00025 A/S Pos.: 6 Date: 04/05/95

Replicate 1 Time: 13:34
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.91

Replicate 2 Time: 13:37
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.87

Mean Conc (ug/L): -0.89 SD: 0.032 RSD(%): 3.61

Tl ID: 95GF745-MB1 Seq. No.: 00026 A/S Pos.: 6 Date: 04/05/95

Replicate 1 Time: 13:39
Peak Area (A-s): 0.079 Peak Height (A): 0.116
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 21.89

Replicate 2 Time: 13:42
Peak Area (A-s): 0.079 Peak Height (A): 0.130
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 22.02

Mean Conc (ug/L): 21.96 109.8% SD: 0.086 RSD(%): 0.39

Recovery is 114.2%

Tl ID: 95GF745-LC1 2X Seq. No.: 00027 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 13:45
Peak Area (A-s): 0.084 Peak Height (A): 0.127
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 23.51

Replicate 2 Time: 13:48
Peak Area (A-s): 0.084 Peak Height (A): 0.126
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 23.49

Mean Conc (ug/L): 23.50 94.0% SD: 0.014 RSD(%): 0.06

Tl ID: 95GF745-LC1 2X Seq. No.: 00028 A/S Pos.: 7 Date: 04/05/95

Replicate 1 Time: 13:51
Peak Area (A-s): 0.155 Peak Height (A): 0.246
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 44.06

Replicate 2 Time: 13:53
Peak Area (A-s): 0.156 Peak Height (A): 0.241
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): 0.155
Concentration (ug/L): 44.36

Mean Conc (ug/L): 44.21 SD: 0.210 RSD(%): 0.48

Recovery is 103.6% ✓

Tl ID: 9503G001-001 Seq. No.: 00029 A/S Pos.: 8 Date: 04/05/95

Replicate 1 Time: 13:56
Peak Area (A-s): 0.003 Peak Height (A): 0.005
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.03

Replicate 2 Time: 13:59
Peak Area (A-s): 0.004 Peak Height (A): 0.006
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.44

Mean Conc (ug/L): 0.20 SD: 0.331 RSD(%): 163.63

"W"

Tl ID: 9503G001-001 Seq. No.: 00030 A/S Pos.: 8 Date: 04/05/95

Replicate 1 Time: 14:02
Peak Area (A-s): 0.051 Peak Height (A): 0.071
Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 14.01

Replicate 2 Time: 14:04
Peak Area (A-s): 0.050 Peak Height (A): 0.070
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 13.52

Mean Conc (ug/L): 13.76 SD: 0.350 RSD(%): 2.55

Recovery is 67.8%

Tl ID: ACCV Seq. No.: 00031 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 14:10
Peak Area (A-s): 0.129 Peak Height (A): 0.256
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 36.39

Replicate 2 Time: 14:16
Peak Area (A-s): 0.131 Peak Height (A): 0.192
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.105
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 37.10

Mean Conc (ug/L): 36.75 SD: 0.508 RSD(%): 1.38

QC sample is within range 31.50 - 38.50

Tl ID: CCB Seq. No.: 00032 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 14:18
Peak Area (A-s): -0.000 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 (ug/L): -0.88

Replicate 2 Time: 14:21
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.59

Mean Conc (ug/L): -0.74 SD: 0.207 RSD(%): 28.13

QC sample is within range -3.00 - 2.00

Tl ID: 9503G001-001R Seq. No.: 00033 A/S Pos.: 9 Date: 04/05/95

Replicate 1 Time: 14:24
Peak Area (A-s): 0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.131 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.01

Replicate 2 Time: 14:27
Peak Area (A-s): 0.004 Peak Height (A): 0.005
Background Pk Area (A-s): 0.140 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.29

Mean Conc (ug/L): 0.15 "U" SD: 0.198 RSD(%): 128.08

Tl ID: 9503G001-001R Seq. No.: 00034 A/S Pos.: 9 Date: 04/05/95

Replicate 1 Time: 14:30
Peak Area (A-s): 0.054 Peak Height (A): 0.078
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 14.75

Replicate 2 Time: 14:32
Peak Area (A-s): 0.055 Peak Height (A): 0.083
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 15.05

Mean Conc (ug/L): 14.90 SD: 0.215 RSD(%): 1.44

Recovery is 73.7% 74.5%

Tl ID: 9503G001-001S2X Seq. No.: 00035 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 14:35
Peak Area (A-s): 0.024 Peak Height (A): 0.045
Background Pk Area (A-s): 0.160 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 6.27

Replicate 2 Time: 14:38
Peak Area (A-s): 0.027 Peak Height (A): 0.045
Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 6.95 "N"

Mean Conc (ug/L): 6.61 26.4% SD: 0.487 RSD(%): 7.36

Tl ID: 9503G001-001S2X Seq. No.: 00036 A/S Pos.: 10 Date: 04/05/95

Replicate 1 Time: 14:41
Peak Area (A-s): 0.073 Peak Height (A): 0.105
Background Pk Area (A-s): 0.192 Background Pk Height (A): 0.053

Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 20.38

Replicate 2 Time: 14:43
Peak Area (A-s): 0.071 Peak Height (A): 0.105
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 19.66

Mean Conc (ug/L): 20.02 SD: 0.505 RSD(%): 2.52

Recovery is 67.1%

Tl ID: 9503G001-002 Seq. No.: 00037 A/S Pos.: 11 Date: 04/05/95

Replicate 1 Time: 14:49
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.51

Replicate 2 Time: 14:51
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.44

Mean Conc (ug/L): -0.47 SD: 0.052 RSD(%): 10.91

Tl ID: 9503G001-002 Seq. No.: 00038 A/S Pos.: 11 Date: 04/05/95

Replicate 1 Time: 14:54
Peak Area (A-s): 0.083 Peak Height (A): 0.168
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.082
Concentration (ug/L): 23.05

Replicate 2 Time: 14:57
Peak Area (A-s): 0.082 Peak Height (A): 0.165
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 22.94

Mean Conc (ug/L): 23.00 SD: 0.082 RSD(%): 0.36

Recovery is 117.4%

Tl ID: 9503G001-002R Seq. No.: 00039 A/S Pos.: 12 Date: 04/05/95

Replicate 1 Time: 15:01
Peak Area (A-s): 0.002 Peak Height (A): 0.003
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.34

Replicat 2 Time: 15:03

Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.15

Mean Conc (ug/L): -0.74 SD: 0.574 RSD(%): 77.09

T1 ID: 9503G001-002R Seq. No.: 00040 A/S Pos.: 12 Date: 04/05/95

Replicate 1 Time: 15:06
Peak Area (A-s): 0.078 Peak Height (A): 0.149
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.83

Replicate 2 Time: 15:08
Peak Area (A-s): 0.079 Peak Height (A): 0.151
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 22.03

Mean Conc (ug/L): 21.93 SD: 0.142 RSD(%): 0.65

Recovery is 113.4% 109.6%

T1 ID: ACCV Seq. No.: 00041 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 15:11
Peak Area (A-s): 0.133 Peak Height (A): 0.221
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 37.57

Replicate 2 Time: 15:14
Peak Area (A-s): 0.133 Peak Height (A): 0.219
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 37.54

Mean Conc (ug/L): 37.55 SD: 0.026 RSD(%): 0.07

QC sample is within range 31.50 - 38.50

T1 ID: CCB Seq. No.: 00042 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 15:17
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.53

Replicate 2 Time: 15:20
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.61

Mean Conc (ug/L): -0.57 SD: 0.052 RSD(%): 9.18

QC sample is within range -3.00 - 2.00

Tl ID: 9503G001-002S2X Seq. No.: 00043 A/S Pos.: 13 Date: 04/05/95

Replicate 1 Time: 15:23
Peak Area (A-s): 0.086 Peak Height (A): 0.174
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.096
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 23.94

Replicate 2 Time: 15:26
Peak Area (A-s): 0.086 Peak Height (A): 0.174
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 24.00

Mean Conc (ug/L): 23.97 95.9% SD: 0.044 RSD(%): 0.19

Tl ID: 9503G001-002S2X Seq. No.: 00044 A/S Pos.: 13 Date: 04/05/95

Replicate 1 Time: 15:28
Peak Area (A-s): 0.155 Peak Height (A): 0.291
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.168
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 44.05

Replicate 2 Time: 15:31
Peak Area (A-s): 0.157 Peak Height (A): 0.288
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.162
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 44.38

Mean Conc (ug/L): ✓ 44.22 SD: 0.235 RSD(%): 0.53

Recovery is 101.2% ✓

Tl ID: 9503G001-003 Seq. No.: 00045 A/S Pos.: 14 Date: 04/05/95

Replicate 1 W Time: 15:34
Peak Area (A-s): 0.004 Peak Height (A): 0.005
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.50

Replicate 2 Time: 15:39
Peak Area (A-s): 0.003 Peak Height (A): 0.004
Background Pk Area (A-s): 0.179 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.00

Mean Conc (ug/L): 0.25 SD: 0.354 RSD(%): 143.46

Tl ID: 9503G001-003 Seq. No.: 00046 A/S Pos.: 14 Date: 04/05/95

Replicate 1 Time: 15:41
Peak Area (A-s): 0.038 Peak Height (A): 0.056
Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 10.30

Replicate 2 Time: 15:45
Peak Area (A-s): 0.035 Peak Height (A): 0.059
Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 9.27

Mean Conc (ug/L): 9.79 SD: 0.726 RSD(%): 7.42

Recovery is 47.7% 49.0%

Tl ID: 9503G001-004 Seq. No.: 00047 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 15:48
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.53

Replicate 2 Time: 15:50
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.66

Mean Conc (ug/L): -0.59 SD: 0.092 RSD(%): 15.54

Tl ID: 9503G001-004 Seq. No.: 00048 A/S Pos.: 15 Date: 04/05/95

Replicate 1 Time: 15:53
Peak Area (A-s): 0.078 Peak Height (A): 0.158
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.64

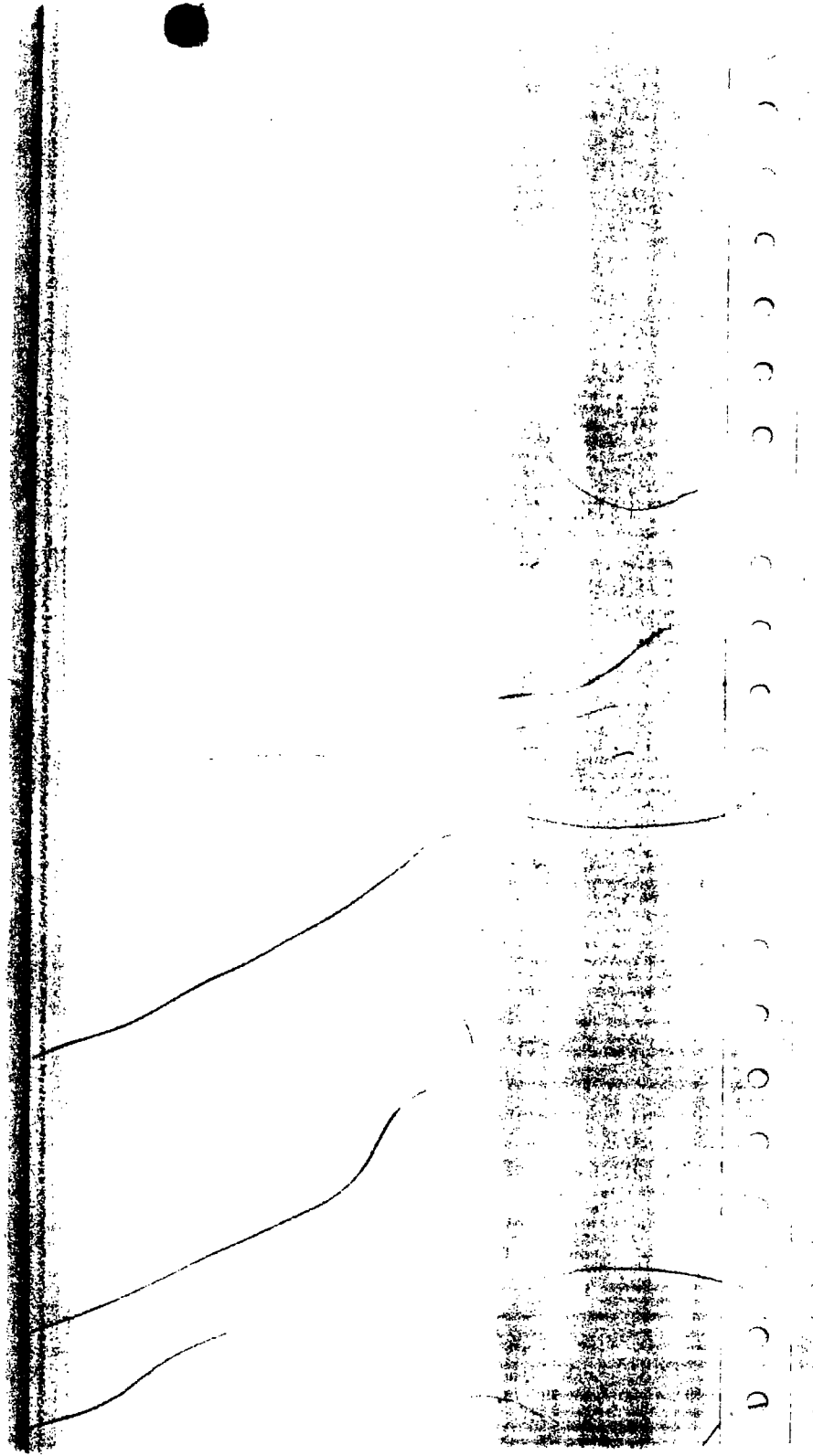
Replicate 2 Time: 15:56
Peak Area (A-s): 0.078 Peak Height (A): 0.157
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.75

Mean Conc (ug/L): 21.70 SD: 0.074 RSD(%): 0.34

Recovery is 111.5% 108.5%

Tl ID: 9503G001-005 Seq. No.: 00049 A/S Pos.: 16 Date: 04/05/95

Replicate 1 Time: 15:59



Peak Area (A-s): 0.007 Peak Height (A): 0.009
Background Pk Area (A-s): 0.130 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.15

Replicate 2 Time: 16:01
Peak Area (A-s): 0.006 Peak Height (A): 0.008
Background Pk Area (A-s): 0.131 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.87

Mean Conc (ug/L): 1.01 SD: 0.196 RSD(%): 19.40

T1 ID: 9503G001-005 Seq. No.: 00050 A/S Pos.: 16 Date: 04/05/95

Replicate 1 Time: 16:04
Peak Area (A-s): 0.042 Peak Height (A): 0.061
Background Pk Area (A-s): 0.159 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 11.27

Replicate 2 Time: 16:07
Peak Area (A-s): 0.040 Peak Height (A): 0.052
Background Pk Area (A-s): 0.165 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 10.86

Mean Conc (ug/L): 11.06 SD: 0.291 RSD(%): 2.63

Recovery is 50.3% 55.3%

T1 ID: ACCV5 Seq. No.: 00051 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 16:10
Peak Area (A-s): 0.128 Peak Height (A): 0.224
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 36.22

Replicate 2 Time: 16:13
Peak Area (A-s): 0.127 Peak Height (A): 0.246
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.126
Concentration (ug/L): 35.95

Mean Conc (ug/L): 36.08 SD: 0.193 RSD(%): 0.54

QC sample is within range 31.50 - 38.50

T1 ID: CCB5 Seq. No.: 00052 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 16:15
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentr on (ug/L): -0.62

Replicate 2 Time: 16:18
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.51

Mean Conc (ug/L): -0.56 SD: 0.077 RSD(%): 13.57

QC sample is within range -3.00 - 2.00

Tl ID: 9503G001-006 Seq. No.: 00053 A/S Pos.: 17 Date: 04/05/95

Replicate 1 Time: 16:21
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.56

Replicate 2 Time: 16:24
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.65

Mean Conc (ug/L): -0.60 SD: 0.066 RSD(%): 10.88

Tl ID: 9503G001-006 Seq. No.: 00054 A/S Pos.: 17 Date: 04/05/95

Replicate 1 Time: 16:26
Peak Area (A-s): 0.076 Peak Height (A): 0.151
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 21.26

Replicate 2 Time: 16:29
Peak Area (A-s): 0.075 Peak Height (A): 0.148
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 20.94

Mean Conc (ug/L): 21.10 SD: 0.225 RSD(%): 1.07

Recovery is 108.5% 105.5%

Tl ID: 9503G001-007 Seq. No.: 00055 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 16:32
Peak Area (A-s): 0.010 Peak Height (A): 0.014
Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 1.97

Replicate 2 Time: 16:35
Peak Area (A-s): 0.009 Peak Height (A): 0.012
Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.078
Blank Co[illegible]cted Pk Area (A-s): 0.008

Concentration (ug/L): 1.91

Mean Conc (ug/L): 1.94 SD: 0.043 RSD(%): 2.23

Tl ID: 9503G001-007 Seq. No.: 00056 A/S Pos.: 18 Date: 04/05/95

Replicate 1 Time: 16:37
Peak Area (A-s): 0.039 Peak Height (A): 0.060
Background Pk Area (A-s): 0.219 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 10.53

Replicate 2 Time: 16:40
Peak Area (A-s): 0.041 Peak Height (A): 0.065
Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 11.06

Mean Conc (ug/L): 10.79 SD: 0.370 RSD(%): 3.42

Recovery is 44.3% ✓ ~~54.0%~~ PFK 4/5/95

Tl ID: 9503G001-008 Seq. No.: 00057 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 16:43
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.72

Replicate 2 Time: 16:46
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.51

Mean Conc (ug/L): -0.62 SD: 0.143 RSD(%): 23.27

Tl ID: 9503G001-008 Seq. No.: 00058 A/S Pos.: 19 Date: 04/05/95

Replicate 1 Time: 16:48
Peak Area (A-s): 0.078 Peak Height (A): 0.158
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.66

Replicate 2 Time: 16:51
Peak Area (A-s): 0.078 Peak Height (A): 0.157
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.83

Mean Conc (ug/L): 21.75 SD: 0.120 RSD(%): 0.55

Recovery is 111.8% 108.8% ✓

T1 ID: 9503G001-009 Seq. No.: 00059 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 16:54
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.149 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.30

Replicate 2 Time: 16:57
Peak Area (A-s): 0.008 Peak Height (A): 0.013
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 1.50

Mean Conc (ug/L): 1.40 SD: 0.143 RSD(%): 10.19

T1 ID: 9503G001-009 Seq. No.: 00060 A/S Pos.: 20 Date: 04/05/95

Replicate 1 Time: 17:00
Peak Area (A-s): 0.038 Peak Height (A): 0.069
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 10.18

Replicate 2 Time: 17:02
Peak Area (A-s): 0.039 Peak Height (A): 0.065
Background Pk Area (A-s): 0.178 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 10.41

Mean Conc (ug/L): 10.30 SD: 0.162 RSD(%): 1.57

Recovery is 44.5%

T1 ID: ACCV Seq. No.: 00061 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 17:05
Peak Area (A-s): 0.127 Peak Height (A): 0.221
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.122
Blank Corrected Pk Area (A-s): 0.126
Concentration (ug/L): 35.84

Replicate 2 Time: 17:08
Peak Area (A-s): 0.129 Peak Height (A): 0.279
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.162
Blank Corrected Pk Area (A-s): 0.128
Concentration (ug/L): 36.37

Mean Conc (ug/L): 36.10 SD: 0.376 RSD(%): 1.04

QC sample is within range 31.50 - 38.50

T1 ID: CCB Seq. No.: 00062 A/S Pos.: 77 Date: 04/05/95

Replicat 1 Time: 17:11

Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.61

Replicate 2 Time: 17:14
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.003 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.64

Mean Conc (ug/L): -0.62 SD: 0.019 RSD(%): 3.03

QC sample is within range -3.00 - 2.00

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T1 ID: 9503G001-010 Seq. No.: 00063 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 17:16
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.70

Replicate 2 Time: 17:19
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.79

Mean Conc (ug/L): -0.75 SD: 0.058 RSD(%): 7.84

~~~~~~

T1 ID: 9503G001-010 Seq. No.: 00064 A/S Pos.: 21 Date: 04/05/95

Replicate 1 Time: 17:22
Peak Area (A-s): 0.077 Peak Height (A): 0.157
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 21.31

Replicate 2 Time: 17:25
Peak Area (A-s): 0.075 Peak Height (A): 0.142
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 20.81

Mean Conc (ug/L): 21.06 SD: 0.354 RSD(%): 1.68

Recovery is 109.0% 105.3% ✓

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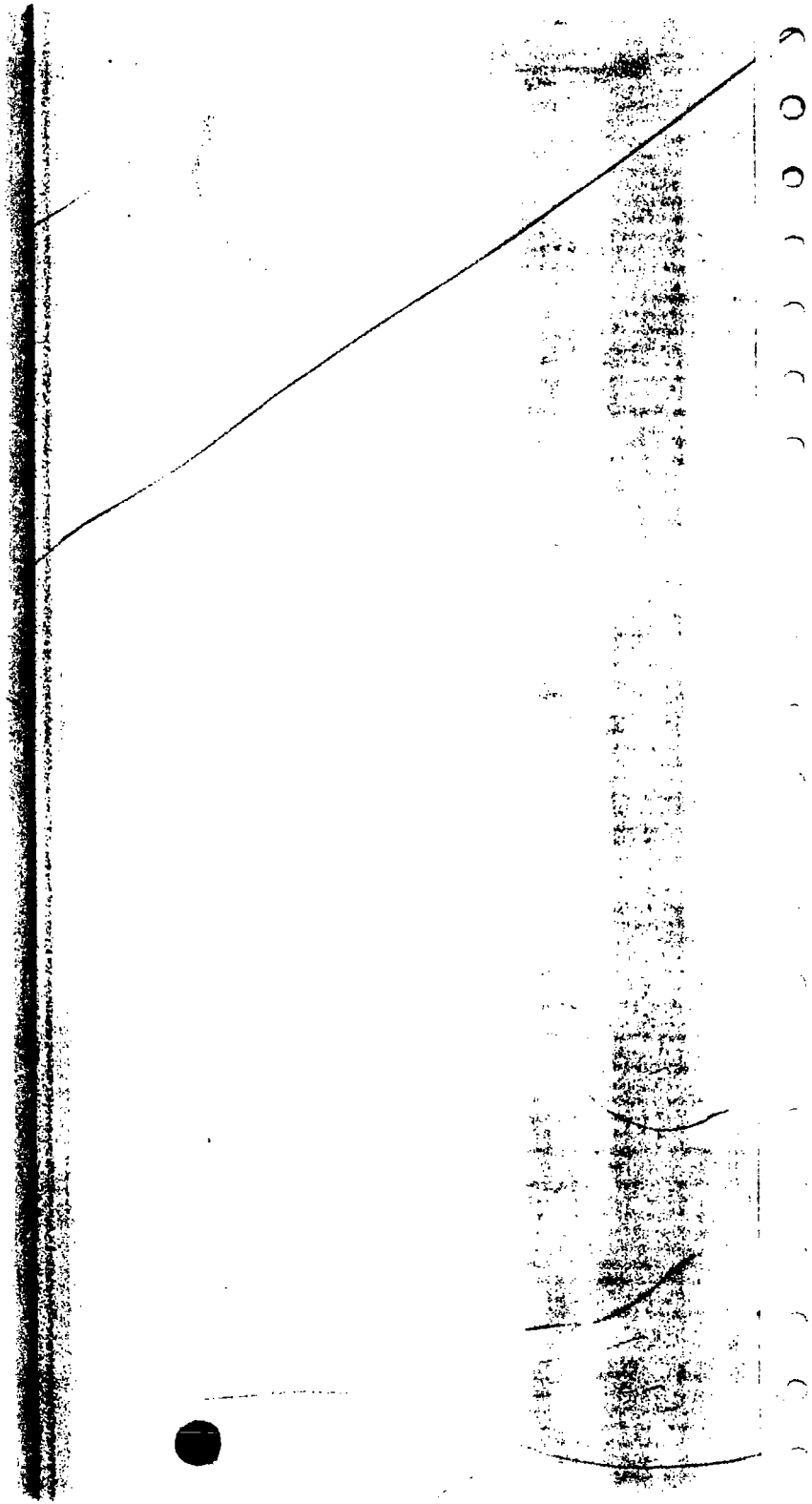
T1 ID: 9503G001-011 Seq. No.: 00065 A/S Pos.: 22 Date: 04/05/95

The background signal is changing during BOC measurement.
Replicate 1 W Time: 17:27
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Backgrou Pk Area (A-s): 0.185 Background Pk Height (A): 59
Blank Co cted Pk Area (A-s): 0.001
~~~~~~



Concentration (ug/L): -0.10

Replicate 2 — Time: 17:30
Peak Area (A-s): 0.003 — Peak Height (A): 0.004
Background Pk Area (A-s): 0.194 — Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.07

Mean Conc (ug/L): -0.02 — SD: 0.116 — RSD(%): 744.41

T1 ID: 9503G001-011 — Seq. No.: 00066 — A/S Pos.: 22 — Date: 04/05/95

Replicate 1 — Time: 17:33
Peak Area (A-s): 0.046 — Peak Height (A): 0.080
Background Pk Area (A-s): 0.219 — Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 12.43

Replicate 2 — Time: 17:36
Peak Area (A-s): 0.047 — Peak Height (A): 0.082
Background Pk Area (A-s): 0.207 — Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 12.71

Mean Conc (ug/L): 12.57 — SD: 0.196 — RSD(%): 1.56

Recovery is 62.9% 62.9%

T1 ID: 9503G001-012 — Seq. No.: 00067 — A/S Pos.: 23 — Date: 04/05/95

Replicate 1 — Time: 17:39
Peak Area (A-s): 0.001 — Peak Height (A): 0.003
Background Pk Area (A-s): 0.024 — Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.56

Replicate 2 — Time: 17:41
Peak Area (A-s): 0.002 — Peak Height (A): 0.004
Background Pk Area (A-s): 0.023 — Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.17

Mean Conc (ug/L): -0.37 — SD: 0.275 — RSD(%): 74.74

T1 ID: 9503G001-012 — Seq. No.: 00068 — A/S Pos.: 23 — Date: 04/05/95

Replicate 1 — Time: 17:44
Peak Area (A-s): 0.077 — Peak Height (A): 0.141
Background Pk Area (A-s): 0.058 — Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 21.36

Replicate 2 — Time: 17:47
Peak Area (A-s): 0.078 — Peak Height (A): 0.155
Background Pk Area (A-s): 0.055 — Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.077

Concentration (ug/L): 21.58

Mean Conc (ug/L): 21.47 SD: 0.153 RSD(%): 0.71

Recovery is 109.2% 107.4%

T1 ID: 9503G001-013 Seq. No.: 00069 A/S Pos.: 24 Date: 04/05/95

Replicate 1 Time: 17:50
Peak Area (A-s): 0.006 Peak Height (A): 0.008
Background Pk Area (A-s): 0.225 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.00

Rerun 5X pfk 4/5/95

Replicate 2 Time: 17:52
Peak Area (A-s): 0.007 Peak Height (A): 0.009
Background Pk Area (A-s): 0.232 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.14

Mean Conc (ug/L): 1.07 SD: 0.101 RSD(%): 9.40

T1 ID: 9503G001-013 Seq. No.: 00070 A/S Pos.: 24 Date: 04/05/95

Replicate 1 Time: 17:55
Peak Area (A-s): 0.027 Peak Height (A): 0.035
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 6.88

Replicate 2 Time: 17:58
Peak Area (A-s): 0.026 Peak Height (A): 0.035
Background Pk Area (A-s): 0.235 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 6.59

Mean Conc (ug/L): 6.73 SD: 0.209 RSD(%): 3.10

Recovery is 28.3% 33.6%

T1 ID: ACCV X Seq. No.: 00071 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 18:01
Peak Area (A-s): 0.128 Peak Height (A): 0.246
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.141
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 36.18

Replicate 2 Time: 18:04
Peak Area (A-s): 0.128 Peak Height (A): 0.257
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 36.18

Mean Conc (ug/L): 36.18 SD: 0.001 RSD(%): 0.00

QC sample is within range 31.50 - 38.50

Tl ID: CCB Seq. No.: 00072 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 18:06
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.76

Replicate 2 Time: 18:09
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.60

Mean Conc (ug/L): -0.68 SD: 0.114 RSD(%): 16.73

QC sample is within range -3.00 - 2.00

Tl ID: 9503G001-014 Seq. No.: 00073 A/S Pos.: 25 Date: 04/05/95

Replicate 1 Time: 18:12
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.52

Replicate 2 Time: 18:15
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.52

Mean Conc (ug/L): -0.52 SD: 0.002 RSD(%): 0.36

Tl ID: 9503G001-014 Seq. No.: 00074 A/S Pos.: 25 Date: 04/05/95

Replicate 1 Time: 18:18
Peak Area (A-s): 0.075 Peak Height (A): 0.146
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 20.82

Replicate 2 Time: 18:20
Peak Area (A-s): 0.075 Peak Height (A): 0.152
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 20.83

Mean Conc (ug/L): 20.83 SD: 0.008 RSD(%): 0.04

Recovery is 106.7% 104.2%

Tl ID: 9503G001-015 Seq. No.: 00075 A/S Pos.: 26 Date: 04/05/95

Replicate 1 Time: 18:23
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.57

Replicate 2 Time: 18:26
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.002
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.64

Mean Conc (ug/L): -0.60 SD: 0.052 RSD(%): 8.65

Tl ID: 9503G001-015 Seq. No.: 00076 A/S Pos.: 26 Date: 04/05/95

Replicate 1 Time: 18:29
Peak Area (A-s): 0.078 Peak Height (A): 0.129
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.73

Replicate 2 Time: 18:32
Peak Area (A-s): 0.077 Peak Height (A): 0.131
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.57

Mean Conc (ug/L): 21.65 SD: 0.112 RSD(%): 0.52

Recovery is 111.2% 108.2%

Tl ID: 9503G001-016 Seq. No.: 00077 A/S Pos.: 27 Date: 04/05/95

Replicate 1 Time: 18:34
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.55

Replicate 2 Time: 18:37
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.52

Mean Conc (ug/L): -0.53 SD: 0.023 RSD(%): 4.32

Tl ID: 9503G001-016 Seq. No.: 00078 A/S Pos.: 27 Date: 04/05/95

Replicate 1 Time: 18:40
Peak Are A-s): 0.078 Peak Height (A): 0.148
Backgrou Pk Area (A-s): 0.037 Background Pk Height (A): 83

Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.70

Replicate 2 Time: 18:43
Peak Area (A-s): 0.078 Peak Height (A): 0.152
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 21.81

Mean Conc (ug/L): 21.76 SD: 0.078 RSD(%): 0.36

Recovery is 111.4% 108.8%

T1 ID: ACCV Seq. No.: 00079 A/S Pos.: 76 Date: 04/05/95

Replicate 1 Time: 18:46
Peak Area (A-s): 0.126 Peak Height (A): 0.192
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 35.53

Replicate 2 Time: 18:48
Peak Area (A-s): 0.126 Peak Height (A): 0.181
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.125
Concentration (ug/L): 35.52

Mean Conc (ug/L): 35.53 SD: 0.004 RSD(%): 0.01

QC sample is within range 31.50 - 38.50

T1 ID: CCB Seq. No.: 00080 A/S Pos.: 77 Date: 04/05/95

Replicate 1 Time: 18:51
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.68

Replicate 2 Time: 18:54
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.84

Mean Conc (ug/L): -0.76 SD: 0.111 RSD(%): 14.56

QC sample is within range -3.00 - 2.00

(2)

Run - 3

IDL = 1.7 ug/L

786

WESTON Analytics AA4.1 Report

Data File:TL040611 Date collected: 95/04/06 Time:
Method File: Date of Report: Time:
Analyst: DBS Remarks:

	TL ppb				
AICV	24.96	MTLTO	1		13:05
ICB	-1.96	MTLTO	1		13:10
CRA	9.80	MTLTO	1		13:15
ACCV 31	35.23	MTLTO	1		13:20
CCB 31	-1.72	MTLTO	1		13:25
ACCV 32	35.15	MTLTO	1		13:50
CCB 32	-2.23	MTLTO	1		13:55
• 95036B92-003	1.04	MTLTO	1	NONE	14:04
ACCV 33	35.95	MTLTO	1		14:23
CCB 33	-2.11	MTLTO	1		14:28
ACCV 34	35.72	MTLTO	1		15:18
CCB 34	-2.89	MTLTO	1		15:23
ACCV 35	35.35	MTLTO	1		15:40
CCB 35	-2.84	MTLTO	1		15:45
956F754-MB1	-2.13	MTLTO	1	956F754	15:50
956F754-LC1	24.48	MTLTO	2		16:00
956F754-LC2	23.33	MTLTO	2		16:09
95046158-001	-1.21	MTLTO	1		16:19
ACCV 36	34.76	MTLTO	1		16:29
CCB 36	-2.04	MTLTO	1		16:34
95046158-001R	-2.25	MTLTO	1		16:39
95046158-001S	22.26	W MTLTO	2		16:50
• 95036001-013	-1.85	MTLTO	5	956F745	17:00
95036927-001	-1.65	MTLSO	1	NONE	17:10
ACCV 37	34.67	MTLTO	1		17:20
CCB 37	-1.65	MTLTO	1		17:25

updated 4/7/95
Dan O'Brien
4/7/95

Jodi L Wojcik
4/7/95

WESTON Environmental Metrics, Inc.
AA4 - PE5100PC GFAA Sample Analysis Log

OP No. 21-31G-1537
Rev. 01; Eff. Date 03/06/95

Element: TL Lamp: EDL Current: 250 Filename: TL0406X1 Energy: 41

Prep Batch / Matrix: _____ QC: (a.) Standard b. CLP

Autosampler Location	QC / Sample ID	Dilution	Rerun	MSA	Comments
1	STD				
2	ICV/CCV				
3	ICB/CCB				
4	CRA				
5	STD				
6 ✓	9503G892-C03 } IDL		✓		(IDL)
7 ✓	-C03 }		✓		↓
8	956F754-MB1				(956F754)
9	-LC1 2X				
10	-LC2 2X				
11	9504G158-C01				
12	-C01R				
13	-C01S 2X				↓
14	9503G001-013 5X				(956F745) CLP
15	9503G927-C01				(SOLUBLE)
16					
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19					
20					
21					
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Analyst: [signature] Date: 4/6/95

Reviewer: Debbie Kelly Date: 4/10/95

Page: 6

Element File: TL_CLP.GEL
Element: Tl Analyst: DAK/BH
Print Data: Main+Suppl. Peak Storage: None
Remarks:
REMARK 1: MATRIX MODIFIER = Pd(NO3)2 & CITRIC ACID
REMARK 2: ANALYST-BRYAN HOST/PAUL KOLARCZYK
REMARK 3: STANDARDS 1276-72-5, QC 1276-7[illegible]-7
REMARK 4: LAMP SERIAL # = 521488 3 mg/s 1/9/95
IDL=1.7

INSTRUMENT: 5100 Technique: HGA
Wavelength: 276.8 Peak Slit: 0.70 Low
Signal Type: Zeeman AA Signal Measurement: Peak Area
Read Time: 7.0 Read Delay: 0 BOC Time: 2
Sample Replicates: 2 if <= 60.00 ug/L, 2 if > 60.10 ug/L, else 2
Standard Replicates: 2 Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	S0.00		40	20	8	5	
Standard 1	S10.00	10.00	4	20	8	5	
Standard 2	S20.00	20.00	5	8	20	5	
Standard 3	S30.00	30.00	5	12	16	5	
Standard 4	S50.00	50.00	1	10	18	5	
Standard 5	S60.00	60.00	1	12	16	5	
Samples				20	8	5	

Diluent Location: 40
Modifier #1 Location: 0 Modifier #2 Location:
Calibration Units: ug/L Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	130	5	15	300		Norm
2	300	20	10	300		Alt
3	1000	15	8	300		Alt
4	20	1	7	300		Alt
5	1800	0	5	0	*	Alt
6	2700	1	3	300		Alt

Injection Temp: 20 Pipette Speed: 100%

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + modifier 2 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Completely Recalibrate
Locations: None

Conc. Above Calibration Action: Print Message Only
Alternate Sample Volumes (uL): 4
Run Alternate Volume Blanks: No

If %RSD > 20.0 and Concentration > 10 then Retry 1 times
Check %RSD on: Standards + QC Samples

Recovery Measurements:
8 uL of 50.0 ug/L Standard at Location 5 Gives 20.00 ug/L
Measure Recovery on Samples: 6-39
Add to QC Samples: No % Recovery Limits:

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Conc. Limits Upper	After Calib	Periodic Check	At End	Count As Sample
1	39	AICV	22.5	27.5	X			
2	3	ICB	-5.0	2.0	X			
3	4	CRA	5.0	15.0	X			X
4	2	ACCV	31.5	38.5	X	X	X	
5	3	CCB	-5.0	2.0	X	X	X	

Run Periodic QC Samples: Every 8
Out of Limit Action: Recalibrate and Rerun Samples

Matrix Check Calculations:
% Difference for Dupls: No Locations:
% Recovery for Spike: No Locations: Conc:

Element File: TL_CLP.GEL Element: Tl Wavelength: 276.8
Date: 04/06/95 Time: 12:31 Slit: 0.70 L
Data File: TL0406X1.DAT ID/Wt File: TL040601.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 40
Remark 1: REMARK 1: MATRIX MODIFIER = Pd(NO3)2 & CITRIC ACID
Remark 2: REMARK 2: ANALYST-BRYAN HOST/PAUL KOLARCZYK
Remark 3: REMARK 3: STANDARDS 1276-72-5, QC 1276-7[illegible]
Remark 4: REMARK 4: LAMP SERIAL # = 521488
Remark 5: IDL=1.7

Tl ID: S0.00 Seq. No.: 00001 A/S Pos.: 40 Date: 04/06/95

Replicate 1 Time: 12:33
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): -0.012 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.98

Replicate 2 Time: 12:36
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): -0.013 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.93

Mean Conc (ug/L): -0.96 SD: 0.035 RSD(%): 3.64

Auto-zero performed.

Tl ID: S10.00 Seq. No.: 00002 A/S Pos.: 4 Date: 04/06/95

Replicate 1 Time: 12:38
Peak Area (A-s): 0.060 Peak Height (A): 0.089
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 11.06

Replicate 2 Time: 12:41
Peak Area (A-s): 0.061 Peak Height (A): 0.093
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 11.28

Mean Conc (ug/L): 11.17 SD: 0.153 RSD(%): 1.37

Standard number 1 applied. [10.00]
Correlation coefficient: 1.00000 Slope: 0.0057 Int: 0.000

Tl ID: S20.00 Seq. No.: 00003 A/S Pos.: 5 Date: 04/06/95

Replicate 1 Time: 12:43
Peak Area (A[illegible]: 0.111 Peak Height (A): 0.157
Background P[illegible]ea (A-s): 0.063 Background Pk Height (A): 0.106
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 19.07

Concentration (ug/L): 18.99

Replicate 2 Time: 12:46
Peak Area (A-s): 0.112 Peak Height (A): 0.162
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 19.14

Mean Conc (ug/L): 19.05 SD: 0.117 RSD(%): 0.61

Standard number 2 applied. [20.00]
Correlation coefficient: 0.99959 Slope: 0.0054 Int: 0.001

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Tl ID: S30.00 Seq. No.: 00004 A/S Pos.: 5 Date: 04/06/95

Replicate 1 Time: 12:48
Peak Area (A-s): 0.166 Peak Height (A): 0.215
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.162
Concentration (ug/L): 29.81

Replicate 2 Time: 12:51
Peak Area (A-s): 0.156 Peak Height (A): 0.225
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 28.09

Mean Conc (ug/L): 28.95 SD: 1.213 RSD(%): 4.19

Standard number 3 applied. [30.00]
Correlation coefficient: 0.99947 Slope: 0.0052 Int: 0.002

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Tl ID: S50.00 Seq. No.: 00005 A/S Pos.: 1 Date: 04/06/95

Replicate 1 Time: 12:53
Peak Area (A-s): 0.256 Peak Height (A): 0.320
Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.248
Blank Corrected Pk Area (A-s): 0.252
Concentration (ug/L): 47.71

Replicate 2 Time: 12:56
Peak Area (A-s): 0.249 Peak Height (A): 0.336
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.256
Blank Corrected Pk Area (A-s): 0.246
Concentration (ug/L): 46.55

Mean Conc (ug/L): 47.13 SD: 0.823 RSD(%): 1.75

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99896 Slope: 0.0050 Int: 0.005

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Tl ID: S60.00 Seq. No.: 00006 A/S Pos.: 1 Date: 04/06/95

Replicate 1 Time: 12:58
Peak Area (A-s): 0.286 Peak Height (A): 0.387
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.309
Blank Corrected Pk Area (A-s): 0.282
~~~~~~

Blank Corrected Pk Area (A-s): 0.282
Concentration (ug/L): 55.95

Replicate 2 | Time: 13:00
Peak Area (A-s): 0.294 | Peak Height (A): 0.376
Background Pk Area (A-s): 0.202 | Background Pk Height (A): 0.302
Blank Corrected Pk Area (A-s): 0.290
Concentration (ug/L): 57.56

Mean Conc (ug/L): 56.76 SD: 1.138 RSD(%): 2.01

Standard number 5 applied. [60.00]
Correlation coefficient: 0.99841 Slope: 0.0048 Int: 0.008

~~~~~~

T1 ID: AICV Seq. No.: 00007 A/S Pos.: 39 Date: 04/06/95

Replicate 1 | Time: 13:03
Peak Area (A-s): 0.131 | Peak Height (A): 0.200
Background Pk Area (A-s): 0.082 | Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 25.02

Replicate 2 | Time: 13:05
Peak Area (A-s): 0.130 | Peak Height (A): 0.194
Background Pk Area (A-s): 0.079 | Background Pk Height (A): 0.134
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 24.90

Mean Conc (ug/L): 24.96 SD: 0.083 RSD(%): 0.33

QC sample is within range 22.5 - 27.5

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T1 ID: ICB Seq. No.: 00008 A/S Pos.: 3 Date: 04/06/95

Replicate 1 | Time: 13:08
Peak Area (A-s): -0.002 | Peak Height (A): 0.012
Background Pk Area (A-s): -0.003 | Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.91

Replicate 2 | Time: 13:10
Peak Area (A-s): 0.007 | Peak Height (A): 0.014
Background Pk Area (A-s): -0.014 | Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -1.01

Mean Conc (ug/L): -1.96 SD: 1.346 RSD(%): 68.61

QC sample is within range -5.0 - 2.0

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T1 ID: CRA Seq. No.: 00009 A/S Pos.: 4 Date: 04/06/95

Replicate 1 | Time: 13:13
Peak Area (A-s): 0.054 | Peak Height (A): 0.091
Background Pk Area (A-s): 0.030 | Background Pk Height (A): 0.06
Blank Correc Pk Area (A-s): 0.050
Concentration (ug/L): 8.81
~~~~~~

Replicate 2 Time: 13:15

Peak Area (A-s): 0.063 Peak Height (A): 0.086
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 10.78

Mean Conc (ug/L): 9.80 SD: 1.388 RSD(%): 14.17

QC sample is within range 5.0 - 15.0

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T1 ID: ACCV Seq. No.: 00010 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 13:18
Peak Area (A-s): 0.177 Peak Height (A): 0.254
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.174
Concentration (ug/L): 34.78

Replicate 2 Time: 13:20
Peak Area (A-s): 0.182 Peak Height (A): 0.250
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.181
Blank Corrected Pk Area (A-s): 0.178
Concentration (ug/L): 35.68

Mean Conc (ug/L): 35.23 SD: 0.634 RSD(%): 1.80

QC sample is within range 31.5 - 38.5

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T1 ID: CCB Seq. No.: 00011 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 13:23
Peak Area (A-s): 0.003 Peak Height (A): 0.012
Background Pk Area (A-s): -0.010 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.84

Replicate 2 Time: 13:25
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -1.61

Mean Conc (ug/L): -1.72 SD: 0.166 RSD(%): 9.62

QC sample is within range -5.0 - 2.0

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T1 ID: 9503G892-003 Seq. No.: 00012 A/S Pos.: 6 Date: 04/06/95

Replicate 1 Time: 13:28
Peak Area (A-s): 0.054 Peak Height (A): 0.091
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 8.82

Replicate 2 Time: 13:30
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Recovery is 3.0%

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Tl ID: ACCV Seq. No.: 00016 A/S Pos.: 2 Date: 04/06/95

Replicate 1 — Time: 13:47
Peak Area (A-s): 0.176 — Peak Height (A): 0.252
Background Pk Area (A-s): 0.113 — Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 34.42

Replicate 2 — Time: 13:50
Peak Area (A-s): 0.182 — Peak Height (A): 0.248
Background Pk Area (A-s): 0.114 — Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.179
Concentration (ug/L): 35.88

Mean Conc (ug/L): 35.15 SD: 1.032 RSD(%): 2.93

QC sample is within range 31.5 - 38.5

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Tl ID: CCB Seq. No.: 00017 A/S Pos.: 3 Date: 04/06/95

Replicate 1 — Time: 13:52
Peak Area (A-s): 0.001 — Peak Height (A): 0.015
Background Pk Area (A-s): -0.005 — Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.18

Replicate 2 — Time: 13:55
Peak Area (A-s): 0.001 — Peak Height (A): 0.014
Background Pk Area (A-s): -0.009 — Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -2.28

Mean Conc (ug/L): -2.23 SD: 0.067 RSD(%): 3.01

QC sample is within range -5.0 - 2.0

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Tl ID: 9503G892-003 Seq. No.: 00019 A/S Pos.: 6 Date: 04/06/95

Replicate 1 — Time: 14:01
Peak Area (A-s): 0.061 — Peak Height (A): 0.084
Background Pk Area (A-s): 0.026 — Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 10.45 (1)

Replicate 2 — Time: 14:04
Peak Area (A-s): 0.061 — Peak Height (A): 0.081
Background Pk Area (A-s): 0.030 — Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 10.44 (2)

Mean Conc (ug/L): 10.45 SD: 0.006 RSD(%) [illegible].06

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Tl ID: 9503G892-003 Seq. No.: 00020 A/S Pos.: 6 Date: 04/06/95

795

Replicate 1 Time: 14:06

Peak Area (A-s): 0.059 Peak Height (A): 0.095
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 10.01 (3)

Replicate 2 Time: 14:09
Peak Area (A-s): 0.064 Peak Height (A): 0.100
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 11.02 (4)

Mean Conc (ug/L): 10.52 SD: 0.717 RSD(%): 6.82

Recovery is 0.4%

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Tl ID: 9503G892-003 Seq. No.: 00021 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 14:11
Peak Area (A-s): 0.060 Peak Height (A): 0.087
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 10.23 (5)

Replicate 2 Time: 14:14
Peak Area (A-s): 0.060 Peak Height (A): 0.086
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 10.08 (6)

Mean Conc (ug/L): 10.15 SD: 0.100 RSD(%): 0.99

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Tl ID: 9503G892-003 Seq. No.: 00022 A/S Pos.: 7 Date: 04/06/95

Replicate 1 Time: 14:16
Peak Area (A-s): 0.062 Peak Height (A): 0.090
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 10.64 (7)

Gn-1: 0.3485
× 3
1.0456

Replicate 2 Time: 14:18
Peak Area (A-s): 0.056 ~~Peak Height (A): 0.103~~ 4/6/95
~~Background Pk Area (A-s)~~: 0.029 Background Pk Height (A): 0.062
~~Blank Corrected~~ Pk Area (A-s): 0.052
Concentration (ug/L): 9.33

Mean Conc (ug/L): 9.99 SD: 0.928 RSD(%): 9.29

Recovery is -0.8%

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Tl ID: ACCV Seq. No.: 00023 A/S Pos.: 2 Date: 04/06/95

Replicate Time: 14:21
Peak Area (A-s): 0.184 Peak Height (A): 0.245
Background Pk Area (A-s): 0.114 Background Pk Height (A): [illegible]
~~~~~~

Blank Corr[illegible]ed Pk Area (A-s): 0.181
Concentration (ug/L): 36.25

Replicate 2 Time: 14:23
Peak Area (A-s): 0.181 Peak Height (A): 0.253
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): 0.178
Concentration (ug/L): 35.65

Mean Conc (ug/L): 35.95 SD: 0.430 RSD(%): 1.20

QC sample is within range 31.5 - 38.5

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Tl ID: CCB Seq. No.: 00024 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 14:26
Peak Area (A-s): 0.007 Peak Height (A): 0.014
Background Pk Area (A-s): -0.015 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.99

Replicate 2 Time: 14:28
Peak Area (A-s): -0.004 Peak Height (A): 0.014
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -3.23

Mean Conc (ug/L): -2.11 SD: 1.589 RSD(%): 75.34

QC sample is within range -5.0 - 2.0

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Tl ID: ACCV Seq. No.: 00026 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 15:05
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -1.01

DID NOT INJECT SAMPLE

Replicate 2 Time: 15:08
Peak Area (A-s): 0.182 Peak Height (A): 0.253
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.180
Blank Corrected Pk Area (A-s): 0.178
Concentration (ug/L): 35.79

Mean Conc (ug/L): 17.39 SD: 26.022 RSD(%): 149.65

DBS 4/6/95

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Tl ID: CCB Seq. No.: 00027 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 15:10
Peak Area (A-s): 0.003 Peak Height (A): 0.015
Background Pk Area (A-s): -0.009 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.81

Replicate 2 Time: 15:13
Peak Area (A-s): -0.004 Peak Height (A): 0.015
Background Pk Area (A-s): -0.006 [illegible]
~~~~~~

797

Background Pk Area (A-s): -0.008   Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.007

Concentration (ug/L): -3.23

Mean Conc (ug/L): -2.52   SD: 1.002   RSD(%): 39.72

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Tl   ID: ACCV   Seq. No.: 00029   A/S Pos.: 2   Date: 04/06/95

Replicate 1   Time: 15:16
Peak Area (A-s): 0.183   Peak Height (A): 0.255
Background Pk Area (A-s): 0.114   Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.180
Concentration (ug/L): 36.04

Replicate 2   Time: 15:18
Peak Area (A-s): 0.180   Peak Height (A): 0.253
Background Pk Area (A-s): 0.118   Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.177
Concentration (ug/L): 35.43

Mean Conc (ug/L): 35.73   SD: 0.430   RSD(%): 1.20

~~~~~~

Tl   ID: CCB   Seq. No.: 00030   A/S Pos.: 3   Date: 04/06/95

Replicate 1   Time: 15:21
Peak Area (A-s): 0.002   Peak Height (A): 0.012
Background Pk Area (A-s): -0.010   Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.02

Replicate 2   Time: 15:23
Peak Area (A-s): -0.006   Peak Height (A): 0.012
Background Pk Area (A-s): -0.005   Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.010
Concentration (ug/L): -3.77

Mean Conc (ug/L): -2.89   SD: 1.244   RSD(%): 42.96

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Tl   ID: 95GF754-MB1   Seq. No.: 00031   A/S Pos.: 8   Date: 04/06/95

Replicate 1   Time: 15:26
Peak Area (A-s): -0.003   Peak Height (A): 0.013
Background Pk Area (A-s): -0.006   Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -3.16

Replicate 2   Time: 15:28
Peak Area (A-s): -0.002   Peak Height (A): 0.015
Background Pk Area (A-s): -0.005   Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.79

Mean Conc ( ): -2.98   SD: 0.259   RSD(%) .69

~~~~~~

Tl   ID: 95GF754-MB1   Seq. No.

Replicate 1 Time: 15:31

Peak Area (A-s): -0.003 Peak Height (A): 0.013
Background Pk Area (A-s): -0.004 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -3.16

NO spike sol. 4/6/95

Replicate 2 Time: 15:33
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.05

Mean Conc (ug/L): -2.60 SD: 0.782 RSD(%): 30.02

Recovery is 1.9%

~~~~~~

TI ID: ACCV Seq. No.: 00034 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 15:38
Peak Area (A-s): 0.179 Peak Height (A): 0.246
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.187
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 35.06

Replicate 2 Time: 15:40
Peak Area (A-s): 0.181 Peak Height (A): 0.249
Background Pk Area (A-s): 0.107 Background Pk Height (A): 0.184
Blank Corrected Pk Area (A-s): 0.178
Concentration (ug/L): 35.65

Mean Conc (ug/L): 35.35 SD: 0.420 RSD(%): 1.19

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TI ID: CCB Seq. No.: 00035 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 15:42
Peak Area (A-s): -0.005 Peak Height (A): 0.011
Background Pk Area (A-s): -0.005 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.009
Concentration (ug/L): -3.51

Replicate 2 Time: 15:45
Peak Area (A-s): 0.001 Peak Height (A): 0.013
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.013
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.18

Mean Conc (ug/L): -2.84 SD: 0.945 RSD(%): 33.23

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TI ID: 95GF754-MB1 Seq. No.: 00036 A/S Pos.: 8 Date: 04/06/95

Replicate 1 Time: 15:47
Peak Area ( ): -0.002 Peak Height (A): 0.011
Background rea (A-s): -0.008 Background Pk Height (A): 0.0
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.94
~~~~~~

Replicate 1 Time: 16:22

Peak Area (A-s): 0.099 Peak Height (A): 0.178
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L): 18.39

Replicate 2 Time: 16:24
Peak Area (A-s): 0.104 Peak Height (A): 0.174
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 19.37

Mean Conc (ug/L): 18.88 SD: 0.695 RSD(%): 3.68

Recovery is 100.4% 94.4%

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TI ID: ACCV Seq. No.: 00044 A/S Pos.: 2 Date: 04/06/95

Replicate 1 Time: 16:26
Peak Area (A-s): 0.178 Peak Height (A): 0.255
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.180
Blank Corrected Pk Area (A-s): 0.174
Concentration (ug/L): 34.87

Replicate 2 Time: 16:29
Peak Area (A-s): 0.177 Peak Height (A): 0.258
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.173
Concentration (ug/L): 34.66

Mean Conc (ug/L): 34.76 SD: 0.151 RSD(%): 0.44

QC sample is within range 31.5 - 38.5

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TI ID: CCB Seq. No.: 00045 A/S Pos.: 3 Date: 04/06/95

Replicate 1 Time: 16:31
Peak Area (A-s): 0.002 Peak Height (A): 0.015
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.96

Replicate 2 Time: 16:34
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): -0.006 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -2.12

Mean Conc (ug/L): -2.04 SD: 0.109 RSD(%): 5.33

QC sample is within range -5.0 - 2.0

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TI ID: 95[illegible]58-001R Seq. No.: 00046 A/S Pos.: 12 Date: [illegible]06/95

Replicate 1 Time:
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Peak Area (A-s): 0.205 Peak Height (A): 0.326
Background Pk Area (A-s): 0.132 Background Pk Height (A): 0.234

008

Blank Corrected Pk Area (A-s): 0.202
Concentration (ug/L): 40.64

Mean Conc (ug/L): 40.69 SD: 0.077 RSD(%): 0.19

Recovery is 92.2%

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TI ID: 9503G001-013 5X Seq. No.: 00051 A/S Pos.: 14 Date: 04/06/95

Replicate 1 Time: 16:58
Peak Area (A-s): 0.003 Peak Height (A): 0.021
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.84

Replicate 2 Time: 17:00
Peak Area (A-s): 0.003 Peak Height (A): 0.015
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.86

Mean Conc (ug/L): -1.85 SD: 0.012 RSD(%): 0.64

~~~~~~

TI ID: 9503G001-013 5X Seq. No.: 00052 A/S Pos.: 14 Date: 04/06/95

Replicate 1 Time: 17:03
Peak Area (A-s): 0.082 Peak Height (A): 0.155
Background Pk Area (A-s): 0.173 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 14.83

Replicate 2 Time: 17:05
Peak Area (A-s): 0.097 Peak Height (A): 0.190
Background Pk Area (A-s): 0.148 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 17.95

Mean Conc (ug/L): 16.39 SD: 2.206 RSD(%): 13.46

Recovery is 91.2% 82.0%

~~~~~~

TI ID: 9503G927-001 Seq. No.: 00053 A/S Pos.: 15 Date: 04/06/95

Replicate 1 Time: 17:07
Peak Area (A-s): 0.003 Peak Height (A): 0.013
Background Pk Area (A-s): -0.008 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.84

Replicate 2 Time: 17:10
Peak Area (A-s): 0.005 Peak Height (A): 0.014
Background Pk Area (A-s): -0.011 Background Pk Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -1.46
~~~~~~

Mean Conc (ug/L): -1.65 SD: 0.274 RSD(%): 16.57

~~~~~~

TI ID: 9503G927-001 Seq. No.: 00054 A/S Pos.: 15 Date: 04/06/95

Replicate 1	Time: 17:12
Peak Area (A-s): 0.101	Peak Height (A): 0.151
Background Pk Area (A-s): 0.054	Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.097	
Concentration (ug/L): 18.73	

Replicate 2	Time: 17:15
Peak Area (A-s): 0.092	Peak Height (A): 0.148
Background Pk Area (A-s): 0.055	Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.089	
Concentration (ug/L): 16.96	

Mean Conc (ug/L): 17.85 SD: 1.254 RSD(%): 7.03

Recovery is 97.5% 99.2%

~~~~~~

TI ID: ACCV Seq. No.: 00055 A/S Pos.: 2 Date: 04/06/95

Replicate 1	Time: 17:17
Peak Area (A-s): 0.172	Peak Height (A): 0.247
Background Pk Area (A-s): 0.110	Background Pk Height (A): 0.169
Blank Corrected Pk Area (A-s): 0.168	
Concentration (ug/L): 33.64	

Replicate 2	Time: 17:20
Peak Area (A-s): 0.182	Peak Height (A): 0.246
Background Pk Area (A-s): 0.103	Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): 0.178	
Concentration (ug/L): 35.70	

Mean Conc (ug/L): 34.67 SD: 1.456 RSD(%): 4.20

QC sample is within range 31.5 - 38.5

~~~~~~

TI ID: CCB Seq. No.: 00056 A/S Pos.: 3 Date: 04/06/95

Replicate 1	Time: 17:22
Peak Area (A-s): 0.004	Peak Height (A): 0.012
Background Pk Area (A-s): -0.008	Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.000	
Concentration (ug/L): -1.67	

Replicate 2	Time: 17:25
Peak Area (A-s): 0.004	Peak Height (A): 0.017
Background Pk Area (A-s): -0.014	Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.000	
Concentration (ug/L): -1.63	

Mean Conc (ug/L): -1.65 SD: 0.025 RSD(%) .53

QC sample i[illegible]thin range -5.0 - 2.0
~~~~~~

MERCURY RAW DATA

REGION Analytics Inorganics Section
Mercury Report

R 4/7/95

IDL = 0.12 ug/L

Date of Prep: 03/30/95
Date of Analysis: 03/30/95

Worksheet: BHG194 Run Batch: 95H6194
Test: MHGTO Method: 245.1
Directory: INORGANICS Analyst: CLB
Instrument: HG3

RFW SAMPLE ID	TEST	INSTRUMENT READOUT ug/L	DILUTION ug/100mL	FACTOR	C/D	FINAL RESULT	CRDL EPA 0.200	UNITS	REPLICATE ORIG SAMPLE RESULT	REP % DIFF	SPIKE TCLP 200 TOTAL 1.00	SAMPLE SPIKE AMOUNT	% RECOV	LCS AMT LCS 2.00	% RECOV	SOILS PREP PREP BATCH	INITIAL SAMPLE WT.	FINAL VOL.	% SOLIDS
95H6194-ICV1	MHGLCS	1.9360	0.19360	1	1.0000	1.9360	0.2000	UG/L						2.0	96.8	95H6194			
95H6194-LC1	MHGLCS	1.9360	0.19360	1	1.0000	1.9360	0.2000	UG/L						2.0	96.8	95H6194			
95H6194-ICB1	MHGTO	-0.0062	-0.00062	1	1.0000	-0.0062 U	0.2000	UG/L								95H6194			
95H6194-CRA1	MHGLCS	0.1999	0.01999	1	1.0000	0.1999 U	0.2000	UG/L						0.2	100.0	95H6194			
95H6194-MB1	MHGTO	0.0260	0.00260	1	1.0000	0.0260 U	0.2000	UG/L								95H6194			
95036001-002	MHGSO	0.0290	0.00290	1	1.0000	0.0290 U	0.2000	UG/L								95H6194			
95036001-002R	MHGSOR	0.0305	0.00305	1	1.0000	0.0305 U	0.2000	UG/L	0.000	200.0						95H6194			
95036001-002S	MHGSOS	1.0290	0.10290	1	1.0000	1.0290	0.2000	UG/L	0.000		1	1.000	102.9			95H6194			
95036001-004	MHGSO	0.0532	0.00532	1	1.0000	0.0532 U	0.2000	UG/L								95H6194			
95036001-006	MHGSO	0.0236	0.00236	1	1.0000	0.0236 U	0.2000	UG/L								95H6194			
95036001-00R	MHGSO	0.0250	0.00250	1	1.0000	0.0250 U	0.2000	UG/L								95H6194			
95036001-010	MHGSO	0.0337	0.00337	1	1.0000	0.0337 U	0.2000	UG/L								95H6194			
95036001-012	MHGSO	0.0276	0.00276	1	1.0000	0.0276 U	0.2000	UG/L								95H6194			
95H6194-CV1	MHGLCS	1.0390	0.10390	1	1.0000	1.0390	0.2000	UG/L						1.0	103.9	95H6194			
95H6194-LC2	MHGLCS	1.0390	0.10390	1	1.0000	1.0390	0.2000	UG/L						1.0	103.9	95H6194			
95H6194-CB1	MHGTO	0.0122	0.00122	1	1.0000	0.0122 U	0.2000	UG/L								95H6194			
95036001-014	MHGSO	0.0222	0.00222	1	1.0000	0.0222 U	0.2000	UG/L								95H6194			
95036001-016	MHGSO	0.0619	0.00619	1	1.0000	0.0619 U	0.2000	UG/L								95H6194			
95036001-003	MHGTO	1.6120	0.16120	1	1.0000	1.6120	0.2000	UG/L								95H6194			
95036001-005	MHGTO	0.7636	0.07636	1	1.0000	0.7636	0.2000	UG/L								95H6194			
95036001-007	MHGTO	1.0660	0.10660	1	1.0000	1.0660	0.2000	UG/L								95H6194			
95036001-009	MHGTO	0.6596	0.06596	1	1.0000	0.6596	0.2000	UG/L								95H6194			
95036001-011	MHGTO	3.7250	0.37250	1	1.0000	3.7250	0.2000	UG/L								95H6194			
95H6194-CV2	MHGLCS	0.9887	0.09887	1	1.0000	0.9887	0.2000	UG/L						1.0	98.9	95H6194			
95H6194-CB2	MHGTO	0.0105	0.00105	1	1.0000	0.0105 U	0.2000	UG/L								95H6194			
95036001-013	MHGTO	1.2610	0.12610	1	1.0000	1.2610	0.2000	UG/L								95H6194			
95036001-015	MHGTO	0.0057	0.00057	1	1.0000	0.0057 U	0.2000	UG/L								95H6194			
95H6194-CV3	MHGLCS	0.9764	0.09764	1	1.0000	0.9764	0.2000	UG/L						1.0	97.6	95H6194			
95H6194-CB3	MHGTO	0.0184	0.00184	1	1.0000	0.0184 U	0.2000	UG/L								95H6194			

Cheryl L Boyd 4/7/95

Paul F. Johnson 4/18/95

OP No. 21-21G-1502

Page #: 217

Circle Method:
a. H2O - EPA 245.1 / SW846 7470
b. Soil/Solid - EPA 245.5 / SW846 7471
c. Other -

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Book #: 1803
Filename: GHG194

Instrument: Leeman Labs PS200 (HG3)
Wavelength: 253.7 nm
Optical Cell Length: 20.5
Standard/Matrix Spike Source ID#: 756
ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019
Control Limits: 90 C to 95
Thermometer ID: Hg Correction Factor: 0.4 C
HNO3 Lot #: 2704 (HG) HCL Lot #: H1504
H2SO4 Lot #: 287614A

AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
Std 1	0.0 ppb Std	100 ml			
" 2	0.2 "	"		cc = 0.9999	
" 3	0.5 "	"		m = 21314.6	
" 4	1.0 "	"		b = -759.5	
" 5	3.0 "	"		x = 0.036	
" 6	5.0 "	"			
					CMD 3/30/95
194					
QC 2	CCV/LCS No. 1W (LCS) Batch 194(2ppb)	100 mls			
QC 1	CCB 1B (MB)	100 mls			
1	CRA (0.2ppb)	"			
2	MB1	"			
So 3	9503G001-002	"			
So 4	002R	"			
So 5	0025 (1ppb)	"			
So 6	004	"			
So 7	006	"			
So 8	008	"			
So 9	010	"			
So 10	012	"			
QC 2	CCV 1 (LCS) No. Batch 194(1ppb)	100 mls			
QC 1	CCB 1 (MB)	100 mls			

Preparation Signature: Cheryl L Boyd Date: 3/30/95 Time In: 1:30AM Time Out: 1:34PM
Analyst Signature: Cheryl L Boyd Date Analyzed: 3/30/95B Date LIMS'd:
Reviewer Signature:

OP No. 21-21G-1502

Page #: 218

Circle Method:
a. H2O (EPA 245.1) / SW846 7470
b. Soil/Solid - EPA 245.5 / SW846 7471
c. Other - _____

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Book #: 1803
Filename: GHG194 (cont.)

Instrument: Leeman Labs PS200 (HG3) Wavelength: 253.7 nm Optical Cell Length: 20.5 cm
Standard/Matrix Spike Source ID#: 756 ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019 Control Limits: 90 C to 95 C
Thermometer ID: Hg Correction Factor: 0.4 C HNO3 Lot #: 2704KMGD HCL Lot #: H15043
H2SO4 Lot #: 2876KMAC

AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
So 11	9503G001-014	100 ml			
So 12	-016	"			
13	-001	"			Results not reported
14	-001R	"			See CAR
15	-0015 (1 ppb)	"			28.3%
16	-003	"			
17	-005	"			
18	-007	"			
19	-009	"			
20	-011	"			
QC 2	No. 194 Batch CCV 2 (LCS) (1 ppb)	100 mls			
QC 1	CCB 2 (MB)	100 mls			
21	9503G001-013	"			
22	-015	"			
					4/7/95
QC 2	No. 194 Batch CCV 3 (LCS) (1 ppb)	100 mls			
	CCB 3 (MB)	100 mls			

Preparation Signature: Cheryl L Boyd Date: 3/30/95 Time In: 1:30pm Time Out: 1:30pm
Analyst Signature: Cheryl L Boyd Date Analyzed: 3/30/95 B Date LIMS'd: _____
Reviewer Signature: Paul Hutchinson Date: 4/7/95

CONCENTRATION

14:03:18 30 Mar 1995 Folder: 033095B Page 1
Protocol: MERCURY VAPOR AUTOANALYZER

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 14:03:18 30 Mar 1995 HG

Hg .0000 ppb -855
Ave. Int. = -855 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 14:05:43 30 Mar 1995 HG

Hg .2000 ppb 3539
Ave. Int. = 3539 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 14:08:07 30 Mar 1995 HG

Hg .5000 ppb 9413
Ave. Int. = 9413 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 14:10:34 30 Mar 1995 HG

Hg 1.000 ppb 21042
Ave. Int. = 21042 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 14:13:04 30 Mar 1995 HG

Hg 3.000 ppb 63455
Ave. Int. = 63455 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 14:15:44 30 Mar 1995 HG

Hg 5.000 ppb 105601
Ave. Int. = 105601 S. D. = 0

Cheryl L Boyd 3/30/95

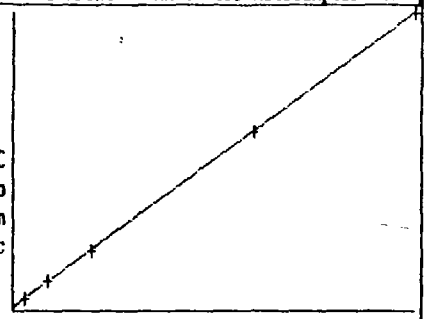
Paul T. Kolaczyk 4/8/95

Protocol: MERCURY VAPOR AUTOANALYZER
Rev: 2.005 Time: 14:15:57 30 Mar 1995
Folder: 0330955B Seq: 6 Print: On
User: BOYD Batch: Id: Std6Rep1 Cup: 1 18 Gas: 0.25 LPM
State: Idle Macro CLP3STOP 79 : F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear
S1	.0000	-.0044	-.0044	Quadratic
S2	.2000	.2010	.0010	MtdLinear
S3	.5000	.4773	-.0227	C
S4	1.000	1.023	.0229	Accept o
S5	3.000	3.013	.0126	n
S6	5.000	4.990	-.0102	StdAdd c
A	.0000000	r	.999966	
B	4.69130e-5	C	3.57388e-2	



	Mean	%RSD	
S1	-055	0	-055
S2	3539	0	3539
S3	9413	0	9413
S4	21042	0	21042
S5	63455	0	63455
S6	185681	0	185681

New cal coefficients stored

808

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 6 14:18:26 30 Mar 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.79	1.936	2.000	ppb	.0000

96.8%

*** Check Standard: 1 Ck1 Seq: 7 14:21:00 30 Mar 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0062	.2000	ppb	.0000

*** Sample ID: 01 Seq: 8 14:23:20 30 Mar 1995 HG

CRA

Hg	.1999	ppb	.0000	.1999	

100.0%

*** Sample ID: 02 Seq: 9 14:25:40 30 Mar 1995 HG

MB1

Hg	.0260	ppb	.0000	.0260	

*** Sample ID: 03 Seq: 10 14:27:59 30 Mar 1995 HG

9503G001-002

Hg	.0290	ppb	.0000	.0290	

*** Sample ID: 04 Seq: 11 14:30:18 30 Mar 1995 HG

9503G001-002R

Hg	.0305	ppb	.0000	.0305	NC

*** Sample ID: 05 Seq: 12 14:32:37 30 Mar 1995 HG

9503G001-002S

Hg	1.029	ppb	.0000	1.029	102.9%

*** Sample ID: 06 Seq: 13 14:35:07 30 Mar 1995 HG

9503G001-004

Hg	.0532	ppb	.0000	.0532	

*** Sample ID: 07 Seq: 14 14:37:26 30 Mar 1995 HG

9503G001-006

Hg	.0236	ppb	.0000	.0236	

*** Sample ID: 08 Seq: 15 14:39:45 30 Mar 1995 HG

9503G001-008

Hg	.0249	ppb	.0000	.0250	

*** Sample ID: 09 Seq: 16 14:42:04 30 Mar 1995 HG

9503G001-010

Hg	.0337	ppb	.0000	.0337	

*** Sample ID: 10 Seq: 17 14:44:24 30 Mar 1995 HG

9503G001-012

Hg	.0276	ppb	.0000	.0276	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3 Seq: 18 14:46:45 30 Mar 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	1.039	1.000	ppb	.0000

103.9%

*** Check Standard: 1 Ck1 Seq: 19 14:49:19 30 Mar 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0122	.2000	ppb	.0000

*** Sample ID: 11 Seq: 20 14:51:39 30 Mar 1995 HG

9503G001-014

Hg	.0222	ppb	.0000	.0222

*** Sample ID: 12 Seq: 21 14:53:58 30 Mar 1995 HG

9503G001-016

Hg	.0619	ppb	.0000	.0619

*** Sample ID: 13 Seq: 22 14:56:15 30 Mar 1995 HG

9503G001-001

Hg	3.230	ppb	.0000	3.230

*** Sample ID: 14 Seq: 23 14:58:54 30 Mar 1995 HG

9503G001-001R

Hg	2.797	ppb	.0000	2.797

14.4%

*** Sample ID: 15 Seq: 24 15:01:32 30 Mar 1995 HG

9503G001-001S

Hg	3.513	ppb	.0000	3.513

28.3% CAR redigest

*** Sample ID: 16 Seq: 25 15:04:12 30 Mar 1995 HG

9503G001-003

Hg	1.612	ppb	.0000	1.612

*** Sample ID: 17 Seq: 26 15:06:45 30 Mar 1995 HG

9503G001-005

Hg	.7636	ppb	.0000	.7636

*** Sample ID: 18 Seq: 27 15:09:13 30 Mar 1995 HG

9503G001-007

Hg	1.066	ppb	.0000	1.066

*** Sample ID: 19 Seq: 28 15:11:50 30 Mar 1995 HG

9503G001-009

Hg	.6596	ppb	.0000	.6596

*** Sample ID: 20 Seq: 29 15:14:21 30 Mar 1995 HG

9503G001-011

Hg	3.725	ppb	.0000	3.725

609

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 3 Ck3 Seq: 30 15:17:03 30 Mar 1995 HG
CW2 Line Flag %Rcv. Found True Units SD/RSD
Hg 98.87 .9887 1.000 ppb .0000 98, 97.

*** Check Standard: 1 Ck1 Seq: 31 15:19:37 30 Mar 1995 HG
CB2 Line Flag Found Range(+/-) Units SD/RSD
Hg .0105 .2000 ppb .0000

*** Sample ID: 21 Seq: 32 15:21:56 30 Mar 1995 HG
9503G001-013
Hg 1.261 ppb .0000 1.261

*** Sample ID: 22 Seq: 33 15:24:29 30 Mar 1995 HG
9503G001-015
Hg .0057 ppb .0000 .0057

*** Check Standard: 3 Ck3 Seq: 34 15:26:49 30 Mar 1995 HG
CW3 Line Flag %Rcv. Found True Units SD/RSD
Hg 97.64 .9764 1.000 ppb .0000
97, 6%

*** Check Standard: 1 Ck1 Seq: 35 15:29:27 30 Mar 1995 HG
CB3 Line Flag Found Range(+/-) Units SD/RSD
Hg .0184 .2000 ppb .0000

810

040177

INTENSITY

15:29:41 30 Mar 1995 Folder: 033095B Page 1
Protocol: MERCURY VAPOR AUTOANALYZER

811

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 14:03:18 30 Mar 1995 HG

Hg .0000 ppb -855
Ave. Int. = -855 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 14:05:43 30 Mar 1995 HG

Hg .2000 ppb 3539
Ave. Int. = 3539 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 14:08:07 30 Mar 1995 HG

Hg .5000 ppb 9413
Ave. Int. = 9413 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 14:10:34 30 Mar 1995 HG

Hg 1.000 ppb 21042
Ave. Int. = 21042 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 14:13:04 30 Mar 1995 HG

Hg 3.000 ppb 63455
Ave. Int. = 63455 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 14:15:44 30 Mar 1995 HG

Hg 5.000 ppb 105601
Ave. Int. = 105601 S. D. = 0

*** Check Standard: 2 Ck2 Seq: 6 14:18:26 30 Mar 1995 HG
Line Flag Intensities
Hg 40500

*** Check Standard: 1 Ck1 Seq: 7 14:21:00 30 Mar 1995 HG
Line Flag Intensities
Hg -893

*** Sample ID: 01 Seq: 8 14:23:20 30 Mar 1995 HG
CRA
Hg .1999 ppb 3500

*** Sample ID: 02 Seq: 9 14:25:40 30 Mar 1995 HG
MB1
Hg .0260 ppb -208

Cheryl L. Boyd 3/30/95

Paul F. Holcomb 4/18/95

812

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 03				Seq: 10		14:27:59 30 Mar 1995 HG		
				9503G001-002				
Hg	.0290	ppb		-143				
*** Sample ID: 04				Seq: 11		14:30:18 30 Mar 1995 HG		
				9503G001-002R				
Hg	.0305	ppb		-112				
*** Sample ID: 05				Seq: 12		14:32:37 30 Mar 1995 HG		
				9503G001-002S				
Hg	1.029	ppb		21177				
*** Sample ID: 06				Seq: 13		14:35:07 30 Mar 1995 HG		
				9503G001-004				
Hg	.0532	ppb		373				
*** Sample ID: 07				Seq: 14		14:37:26 30 Mar 1995 HG		
				9503G001-006				
Hg	.0236	ppb		-259				
*** Sample ID: 08				Seq: 15		14:39:45 30 Mar 1995 HG		
				9503G001-008				
Hg	.0249	ppb		-230				
*** Sample ID: 09				Seq: 16		14:42:04 30 Mar 1995 HG		
				9503G001-010				
Hg	.0337	ppb		-43				
*** Sample ID: 10				Seq: 17		14:44:24 30 Mar 1995 HG		
				9503G001-012				
Hg	.0276	ppb		-174				
*** Check Standard: 3 Ck3				Seq: 18		14:46:45 30 Mar 1995 HG		
Line Flag Intensities								
Hg				21391				
*** Check Standard: 1 Ck1				Seq: 19		14:49:19 30 Mar 1995 HG		
Line Flag Intensities								
Hg				-501				
*** Sample ID: 11				Seq: 20		14:51:39 30 Mar 1995 HG		
				9503G001-014				
Hg	.0222	ppb		-289				
*** Sample ID: 12				Seq: 21		14:53:58 30 Mar 1995 HG		
				9503G001-016				
Hg	.0619	ppb		558				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 13 Seq: 22 14:56:15 30 Mar 1995 HG
9503G001-001
Hg 3.230 ppb 68085

*** Sample ID: 14 Seq: 23 14:58:54 30 Mar 1995 HG
9503G001-001R
Hg 2.797 ppb 58868

*** Sample ID: 15 Seq: 24 15:01:32 30 Mar 1995 HG
9503G001-001S
Hg 3.513 ppb 74125

*** Sample ID: 16 Seq: 25 15:04:12 30 Mar 1995 HG
9503G001-003
Hg 1.612 ppb 33590

*** Sample ID: 17 Seq: 26 15:06:45 30 Mar 1995 HG
9503G001-005
Hg .7636 ppb 15515

*** Sample ID: 18 Seq: 27 15:09:13 30 Mar 1995 HG
9503G001-007
Hg 1.066 ppb 21960

*** Sample ID: 19 Seq: 28 15:11:50 30 Mar 1995 HG
9503G001-009
Hg .6596 ppb 13299

*** Sample ID: 20 Seq: 29 15:14:21 30 Mar 1995 HG
9503G001-011
Hg 3.725 ppb 78642

*** Check Standard: 3 Ck3 Seq: 30 15:17:03 30 Mar 1995 HG
Line Flag Intensities
Hg 20313

*** Check Standard: 1 Ck1 Seq: 31 15:19:37 30 Mar 1995 HG
Line Flag Intensities
Hg -539

*** Sample ID: 21 Seq: 32 15:21:56 30 Mar 1995 HG
9503G001-013
Hg 1.261 ppb 26128

*** Sample ID: 22 Seq: 33 15:24:29 30 Mar 1995 HG
9503G001-015
Hg .0057 ppb -640

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3 Seq: 34 15:26:49 30 Mar 1995 HG

Line	Flag	Intensities
Hg		20052

*** Check Standard: 1 Ck1 Seq: 35 15:29:27 30 Mar 1995 HG

Line	Flag	Intensities
Hg		-369

Mercury Report

Run-2 IDL = 0.12 ug/L

Date of Prep: 03/30/95
Date of Analysis: 03/30/95

Worksheet: GHG196 Run Batch: 95HG196
Test: MHGTO Method: 245.5
Directory: INORGANICS Analyst: CLB
Instrument: HG1

RFW SAMPLE ID	TEST	INSTRUMENT READOUT ug/L	ug/100mL	DILUTION FACTOR	C/D	FINAL RESULT	CRDL EPA 0.200	UNITS	REPLICATE ORIG SAMPLE RESULT	REP % DIFF	SPIKE TCLP 200 TOTAL 1.00	SAMPLE SPIKE AMOUNT	% RECOV	LCS AMT LCS 2.00	% RECOV	SOILS PREP PREP BATCH	INITIAL SAMPLE WT.	FINAL VOL.	% SOLIDS
95HG196-ICV1	MHGLCS	1.8860	0.18860	1	1.0000	1.8860	0.2000	UG/L						2.0	94.3	95HG196			
95HG196-ICB1	MHGTO	0.0523	0.00523	1	1.0000	0.0523 u	0.2000	UG/L								95HG196			
95HG196-CRA1	MHGLCS	0.2207	0.02207	1	1.0000	0.2207	0.2000	UG/L						0.2	110.4	95HG196			
95HG196-MP1	MHGTO	0.0445	0.00445	1	0.5000	0.0393 u	0.1000	MG/KG								95HG196	0.20	100.00	100.0
95HG196-LCS	MHGLCS	1.6850	0.16850	1	0.5000	0.8425	0.1000	MG/KG						1.0	84.3	95HG196	0.20	100.00	100.0
95036001-017	MHGTO	0.0741	0.00741	1	0.5304	0.0393 u	0.1061	MG/KG								95HG196	0.22	100.00	85.7
95036001-017R	MHGTOR	0.0778	0.00778	1	0.5073	0.0395 u	0.1015	MG/KG	0.000	200.0						95HG196	0.23	100.00	85.7
95036001-017S	MHGTOS	0.8700	0.08700	1	0.4862	0.4230	0.0972	MG/KG	0.000		1	0.486	87.0			95HG196	0.24	100.00	85.7
95036001-018	MHGTO	0.0601	0.00601	1	0.5556	0.0334 u	0.1111	MG/KG								95HG196	0.20	100.00	90.0
95036001-019	MHGTO	0.0718	0.00718	1	0.4716	0.0339 u	0.0943	MG/KG								95HG196	0.23	100.00	92.2
95036001-020	MHGTO	0.0871	0.00871	1	0.4163	0.0363 u	0.0833	MG/KG								95HG196	0.28	100.00	85.8
95036001-021	MHGTO	0.1125	0.01125	1	0.4077	0.0459 u	0.0815	MG/KG								95HG196	0.28	100.00	87.6
95HG196-CV1	MHGLCS	0.9469	0.09469	1	1.0000	0.9469	0.2000	UG/L						1.0	94.7	95HG196			
95HG196-CB1	MHGTO	0.0670	0.00670	1	1.0000	0.0670 u	0.2000	UG/L								95HG196			
95036001-022	MHGTO	0.0577	0.00577	1	0.4601	0.0265 u	0.0920	MG/KG								95HG196	0.23	100.00	94.5
95HG196-CV2	MHGLCS	0.9954	0.09954	1	1.0000	0.9954	0.2000	UG/L						1.0	99.5	95HG196			
95HG196-CB2	MHGTO	0.0725	0.00725	1	1.0000	0.0725 u	0.2000	UG/L								95HG196			

Cheryl L Boyd 4/7/95

Paul N. Hlavenka 4/18/95

OP No. 21-21G-1502

Circle Method:
a. H2O - EPA 245.1 / SW846 7470
b. Soil/Solid (EPA 245.5) / SW846 7471
c. Other -

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Page #: 221
Book #: 1803
Filename: GHG196

Instrument: Leeman Labs PS200 (HG3) Wavelength: 253.7 nm Optical Cell Length: 20.5 cm
Standard/Matrix Spike Source ID#: 756 ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019 Control Limits: 90 C to 95 C
Thermometer ID: Hg Correction Factor: 0.4 C HNO3 Lot #: 2704 KMG1 HCL Lot #: H15043
H2SO4 Lot #: 2876 KMAC

	AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
Std	1	0.0 ppb Std	100 ml			
"	2	0.2 "	"		cc = 0.9992	
"	3	0.5 "	"		m = 23769.6	
"	4	1.0 "	"		b = 1672.5	
"	5	3.0 "	"		x = 0.070	
"	6	5.0 "	"			
						3/30/95
196		No. 196 Batch				
	QC 2	CCV 1W (LCS) (2ppb)	100 mls			
	QC 1	CCB 1CB (MB)	100 mls			
	1	CBA (0.2ppb)	"			
	2	MB1	0.20g	100.0		
	3	SOLID LCS (2ppb)	0.20	100.0		
	4	9503G001-017	0.22	85.7		
	5	-017R	0.23	85.7		
	6	-017S (1ppb)	0.24	85.7		
	7	-018	0.20	90.0		
	8	-019	0.23	92.2		
	9	-020	0.28	85.8		
	10	-021	0.28	87.6		
		No. 196 Batch				
	QC 2	CCV 1 (LCS) (1ppb)	100 mls			
	QC 1	CCB 1 (MB)	100 mls			

Preparation Signature: Cheryl L Boyd Date: 3/30/95 Time In: 1:30 Time Out: 2:00
Analyst Signature: Cheryl L Boyd Date Analyzed: 3/30/95D Date LIMS'd:
Reviewer Signature:

OP No. 21-21G-1502

Circle Method:
a. H2O - EPA 245.1 / SW846 7470
b. Soil/Solid - EPA 245.5 / SW846 7471
c. Other - _____

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Page #: 222
Book #: 1803
Filename: GHG196 (cont)

Instrument: Leeman Labs PS200 (HG3) Wavelength: 253.7 nm Optical Cell Length: 20.5 cm
Standard/Matrix Spike Source ID#: 756 ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019 Control Limits: 90 C to 95 C
Thermometer ID: Hg Correction Factor: 0.4 C HNO3 Lot #: 2826 PMAC HCL Lot #: H15043
H2SO4 Lot #: 2704 PMGD

AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
11	9503G001-022	0.23g	94.5		

4/7/95

No. 196 Batch
QC 2 CCV 2 (LCS) (1 ppb) 100 mls
QC 1 CCB 2 (MB) 100 mls

4/7/95

No. Batch
QC 2 CCV ____ (LCS) ____ 100 mls
1 CCB ____ (MB) ____ 100 mls

Preparation Signature: Cheryl L Boyd Date: 3/30/95 Time In: 1130 pm Time Out: 2:00 pm
Analyst Signature: Cheryl L Boyd Date Analyzed: 3/30/95 Date LIMS'd: _____
Reviewer Signature: [illegible] Date: [illegible]

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CONCENTRATION

Folder: 033095D Page 1
16:41:46 30 Mar 1995 Protocol: MERCURY VAPOR AUTOANALYZER

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0		16:41:46 30 Mar 1995 HG		
Hg	.0000	ppb		-31				
			Ave. Int. =	-31	S. D. =	0		
*** Standard: 2 Rep: 1				Seq: 1		16:44:10 30 Mar 1995 HG		
Hg	.2000	ppb		4795				
			Ave. Int. =	4795	S. D. =	0		
*** Standard: 3 Rep: 1				Seq: 2		16:46:47 30 Mar 1995 HG		
Hg	.5000	ppb		9570				
			Ave. Int. =	9570	S. D. =	0		
*** Standard: 4 Rep: 1				Seq: 3		16:49:32 30 Mar 1995 HG		
Hg	1.000	ppb		19571				
			Ave. Int. =	19571	S. D. =	0		
*** Standard: 5 Rep: 1				Seq: 4		16:52:28 30 Mar 1995 HG		
Hg	3.000	ppb		67917				
			Ave. Int. =	67917	S. D. =	0		
*** Standard: 6 Rep: 1				Seq: 5		16:55:34 30 Mar 1995 HG		
Hg	5.000	ppb		118708				
			Ave. Int. =	118708	S. D. =	0		

Cheryl L Boyd 3/30/95

Paul F. Holcomb 4/18/95

818

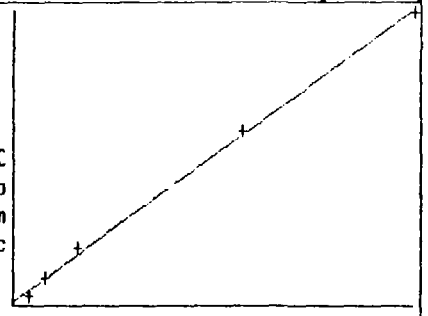
Protocol: MERCURY VAPOR AUTOANALYZER
Rev: 2.005 Time: 16:55:47 30 Mar 1995
Folder: 030895D Seq: 6 Print: On
User: DOYD Batch: Id: Std6Rep1 Cup: 1 14 Gas: 0.25 LPM
State: Idle Macro CLP3 79 : F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear
S1	.0000	.0715	.0715	Quadratic
S2	.2000	.2742	.0742	MtdLinear
S3	.5000	.4748	-.0252	C
S4	1.000	.8949	-.1051	Accept o
S5	3.000	2.926	-.0744	n
S6	5.000	5.059	.0590	StdAdd c

A .0000000 r .999201
B 4.20033e-5 C 7.28353e-2



Relative Absorbance

	Mean	%RSD	
S1	-31	0	-31
S2	4795	0	4795
S3	9570	0	9570
S4	19571	0	19571
S5	67917	0	67917
S6	118760	0	118708

New cal coefficients stored

820

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 6 16:58:38 30 Mar 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.32	1.886	2.000	ppb	.0000

94.3%

*** Check Standard: 1 Ck1 Seq: 7 17:01:42 30 Mar 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0523	.2000	ppb	.0000

*** Sample ID: 01 Seq: 8 17:04:02 30 Mar 1995 HG

CRA

Hg	.2207	ppb	.0000	.2207	110.4%

*** Sample ID: 02 Seq: 9 17:06:36 30 Mar 1995 HG

MB1

Hg	.0645	ppb	.0000	.0645	

*** Sample ID: 03 Seq: 10 17:08:56 30 Mar 1995 HG

SOLID LCS (2.0ppb)

Hg	1.685	ppb	.0000	1.685	84.3%

*** Sample ID: 04 Seq: 11 17:11:59 30 Mar 1995 HG

9503G001-017

Hg	.0741	ppb	.0000	.0741	

*** Sample ID: 05 Seq: 12 17:14:18 30 Mar 1995 HG

9503G001-017R

Hg	.0778	ppb	.0000	.0778	NC

*** Sample ID: 06 Seq: 13 17:16:37 30 Mar 1995 HG

9503G001-017S

Hg	.8700	ppb	.0000	.8700	87.0%

*** Sample ID: 07 Seq: 14 17:19:28 30 Mar 1995 HG

9503G001-018

Hg	.0601	ppb	.0000	.0601	

*** Sample ID: 08 Seq: 15 17:21:47 30 Mar 1995 HG

9503G001-019

Hg	.0718	ppb	.0000	.0718	

*** Sample ID: 09 Seq: 16 17:24:07 30 Mar 1995 HG

9503G001-020

Hg	.0871	ppb	.0000	.0871	

*** Sample ID: 10 Seq: 17 17:26:28 30 Mar 1995 HG

9503G001-021

Hg	.1125	ppb	.0000	.1125	

821

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 3 Ck3 Seq: 18 17:28:50 30 Mar 1995 HG
CV1
Line Flag %Rcv. Found True Units SD/RSD
Hg 94.69 .9469 1.000 ppb .0000 94.7%

*** Check Standard: 1 Ck1 Seq: 19 17:31:43 30 Mar 1995 HG
CB1
Line Flag Found Range(+/-) Units SD/RSD
Hg .0670 .2000 ppb .0000

*** Sample ID: 11 Seq: 20 17:34:03 30 Mar 1995 HG
9503G001-022
Hg .0577 ppb .0000 .0577

*** Check Standard: 3 Ck3 Seq: 21 17:36:24 30 Mar 1995 HG
CV2
Line Flag %Rcv. Found True Units SD/RSD
Hg 99.54 .9954 1.000 ppb .0000 99.5%

*** Check Standard: 1 Ck1 Seq: 22 17:39:16 30 Mar 1995 HG
CB2
Line Flag Found Range(+/-) Units SD/RSD
Hg .0725 .2000 ppb .0000

*** Check Standard: 3 Ck3 Seq: 23 17:41:39 30 Mar 1995 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 92.82 .9282 1.000 ppb .0000

*** Check Standard: 1 Ck1 Seq: 24 17:44:35 30 Mar 1995 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .0669 .2000 ppb .0000

SB 3/30/95

OHG196

INTENSITY

08:13:03 31 Mar 1995 Folder: 03.3095D Page 1
Protocol: MERCURY VAPOR AUTOANALYZER

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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 16:41:46 30 Mar 1995 HG

Hg .0000 ppb -31
Ave. Int. = -31 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 16:44:10 30 Mar 1995 HG

Hg .2000 ppb 4795
Ave. Int. = 4795 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 16:46:47 30 Mar 1995 HG

Hg .5000 ppb 9570
Ave. Int. = 9570 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 16:49:32 30 Mar 1995 HG

Hg 1.000 ppb 19571
Ave. Int. = 19571 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 16:52:28 30 Mar 1995 HG

Hg 3.000 ppb 67917
Ave. Int. = 67917 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 16:55:34 30 Mar 1995 HG

Hg 5.000 ppb 118708
Ave. Int. = 118708 S. D. = 0

*** Check Standard: 2 Ck2 Seq: 6 16:58:38 30 Mar 1995 HG
Line Flag Intensities
Hg 43176

*** Check Standard: 1 Ck1 Seq: 7 17:01:42 30 Mar 1995 HG
Line Flag Intensities
Hg -489

*** Sample ID: 01 Seq: 8 17:04:02 30 Mar 1995 HG
CRA
Hg .2207 ppb 3520

*** Sample ID: 02 Seq: 9 17:06:36 30 Mar 1995 HG
MB1
Hg .0645 ppb -199

Cheryl L Boyd 3/31/95

Paul F. Wolaroff 4/8/95

823

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 03 Seq: 10 17:08:56 30 Mar 1995 HG
SOLID LCS (2.0ppb)
Hg 1.685 ppb 38375

*** Sample ID: 04 Seq: 11 17:11:59 30 Mar 1995 HG
9503G001-017
Hg .0741 ppb 29

*** Sample ID: 05 Seq: 12 17:14:18 30 Mar 1995 HG
9503G001-017R
Hg .0778 ppb 119

*** Sample ID: 06 Seq: 13 17:16:37 30 Mar 1995 HG
9503G001-017S
Hg .8700 ppb 18979

*** Sample ID: 07 Seq: 14 17:19:28 30 Mar 1995 HG
9503G001-018
Hg .0601 ppb -303

*** Sample ID: 08 Seq: 15 17:21:47 30 Mar 1995 HG
9503G001-019
Hg .0718 ppb -25

*** Sample ID: 09 Seq: 16 17:24:07 30 Mar 1995 HG
9503G001-020
Hg .0871 ppb 340

*** Sample ID: 10 Seq: 17 17:26:28 30 Mar 1995 HG
9503G001-021
Hg .1125 ppb 945

*** Check Standard: 3 Ck3 Seq: 18 17:28:50 30 Mar 1995 HG
Line Flag Intensities
Hg 20810

*** Check Standard: 1 Ck1 Seq: 19 17:31:43 30 Mar 1995 HG
Line Flag Intensities
Hg -139

*** Sample ID: 11 Seq: 20 17:34:03 30 Mar 1995 HG
9503G001-022
Hg .0577 ppb -361

*** Check Standard: 3 Ck3 Seq: 21 17:36:24 30 Mar 1995 HG
Line Flag Intensities
Hg 21964

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 Seq: 22 17:39:16 30 Mar 1995 HG
Line Flag Intensities
Hg -8

Mercury Report

Run-3 IDL = 012 ug/L

Date of Prep: 04/03/95
Date of Analysis: 04/03/95
Worksheet: GHG197 Run Batch: 95HG197
Test: MHGTO Method: 245.1
Directory: INORGANICS Analyst: CLB
Instrument: HG3

RFW SAMPLE ID	TEST	INSTRUMENT READOUT ug/L	ug/100mL	DILUTION FACTOR	C/D	FINAL RESULT	CRDL EPA 0.200	UNITS	REPLICATE ORIG SAMPLE RESULT	REP % DIFF	SPIKE TCLP 200 TOTAL 1.00	SAMPLE SPIKE AMOUNT	% RECOV	LCS AMT LCS 2.00	% RECOV	SOILS PREP PREP BATCH	INITIAL SAMPLE WT.	FINAL VOL.	% SOLIDS
95HG197-ICV1	MHGLCS	1.9890	0.19890	1	1.0000	1.9890	0.2000	UG/L						2.0	99.5	95HG197			
95HG197-LC1	MHGLCS	1.9890	0.19890	1	1.0000	1.9890	0.2000	UG/L						2.0	99.5	95HG197			
95HG197-ICB1	MHGTO	-0.0296	-0.00296	1	1.0000	-0.0296 u	0.2000	UG/L								95HG197			
95HG197-CRA1	MHGLCS	0.1906	0.01906	1	1.0000	0.1906 u	0.2000	UG/L						0.2	95.3	95HG197			
95HG197-MB1	MHGTO	-0.0188	-0.00188	1	1.0000	-0.0188 u	0.2000	UG/L								95HG197			
95036998-002	MHGTO	-0.0181	-0.00181	1	1.0000	-0.0181 u	0.2000	UG/L								95HG197			
95036998-003	MHGTO	0.0068	0.00068	1	1.0000	0.0068 u	0.2000	UG/L								95HG197			
95036998-004	MHGTO	-0.0138	-0.00138	1	1.0000	-0.0138 u	0.2000	UG/L								95HG197			
95036998-005	MHGTO	-0.0130	-0.00130	1	1.0000	-0.0130 u	0.2000	UG/L								95HG197			
95036998-007	MHGTO	-0.0014	-0.00014	1	1.0000	-0.0014 u	0.2000	UG/L								95HG197			
95036998-009	MHGTO	0.0000	0.00000	1	1.0000	0.0000 u	0.2000	UG/L								95HG197			
95036998-010	MHGTO	-0.0061	-0.00061	1	1.0000	-0.0061 u	0.2000	UG/L								95HG197			
95036998-010R	MHGTOR	-0.0018	-0.00018	1	1.0000	-0.0018 u	0.2000	UG/L	0.000	200.0						95HG197			
95HG197-CV1 1	MHGLCS	1.0610	0.10610	1	1.0000	1.0610	0.2000	UG/L						1.0	106.1	95HG197			
95HG197-LC2	MHGLCS	1.0610	0.10610	1	1.0000	1.0610	0.2000	UG/L						1.0	106.1	95HG197			
95HG197-CB1	MHGTO	-0.0344	-0.00344	1	1.0000	-0.0344 u	0.2000	UG/L								95HG197			
95036998-010S	MHGTOS	1.0310	0.10310	1	1.0000	1.0310	0.2000	UG/L	0.000		1	1.000	103.1			95HG197			
95036998-011	MHGTO	-0.0182	-0.00182	1	1.0000	-0.0182 u	0.2000	UG/L								95HG197			
95036998-012	MHGTO	-0.0037	-0.00037	1	1.0000	-0.0037 u	0.2000	UG/L								95HG197			
95036998-013	MHGTO	-0.0149	-0.00149	1	1.0000	-0.0149 u	0.2000	UG/L								95HG197			
95036998-014	MHGTO	0.0128	0.00128	1	1.0000	0.0128 u	0.2000	UG/L								95HG197			
95036998-016	MHGTO	0.1861	0.01861	1	1.0000	0.1861 u	0.2000	UG/L								95HG197			
95036998-017	MHGTO	-0.0111	-0.00111	1	1.0000	-0.0111 u	0.2000	UG/L								95HG197			
95036998-018	MHGTO	0.0245	0.00245	1	1.0000	0.0245 u	0.2000	UG/L								95HG197			
95036998-006	MHGSO	0.0072	0.00072	1	1.0000	0.0072 u	0.2000	UG/L								95HG197			
95036998-008	MHGSO	0.0064	0.00064	1	1.0000	0.0064 u	0.2000	UG/L								95HG197			
95HG197-CV2 2	MHGLCS	1.0810	0.10810	1	1.0000	1.0810	0.2000	UG/L						1.0	108.1	95HG197			
95HG197-CB2	MHGTO	-0.0241	-0.00241	1	1.0000	-0.0241 u	0.2000	UG/L								95HG197			
95036998-015	MHGSO	-0.0006	-0.00006	1	1.0000	-0.0006 u	0.2000	UG/L								95HG197			
95036001-001	MHGTO	2.9090	0.29090	1	1.0000	2.9090	0.2000	UG/L								95HG197			
95036001-001R	MHGTOR	3.5890	0.35890	1	1.0000	3.5890	0.2000	UG/L	2.909	20.9						95HG197			
95036001-001S	MHGTOS	4.4310	0.44310	1	1.0000	4.4310	0.2000	UG/L	2.909		1	1.000	152.2			95HG197			
95HG197-CV3 3	MHGLCS	1.1060	0.11060	1	1.0000	1.1060	0.2000	UG/L						1.0	110.6	95HG197			
95HG197-CB3	MHGTO	-0.0350	-0.00350	1	1.0000	-0.0350 u	0.2000	UG/L								95HG197			

Cheryl L Boyd 4/6/95

Jodi L Vrojcik 4/12/95

OP No. 21-21G-1502

Page #: 223

Circle Method:
a. H2O (EPA 245.1) / SW846 7470
b. Soil/Solid - EPA 245.5 / SW846 7471
c. Other -

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Book #: 1803
Filename: GHG197

Instrument: Leeman Labs PS200 (HG3) Wavelength: 253.7 nm Optical Cell Length:
Standard/Matrix Spike Source ID#: 756 ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019 Control Limits: 90 C to 95
Thermometer ID: Hg Correction Factor: 0.4 C HNO3 Lot #: 2704KHGD HCL Lot #: H15043
H2SO4 Lot #: 2876KH

AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
Std 1	0.0ppb Std	100ml			
" 2	0.2 "	"		cc= 0.9999	
" 3	0.5 "	"		m= 19161.2	
" 4	1.0 "	"		b= 11.52	
" 5	3.0 "	"		X= -0.0006	
" 6	5.0 "	"			
					4/3/95
197					
QC 2	CCV No. 1W (LCS) Batch 197(2ppb)	100 mls			
QC 1	CCB No. 1B (MB) Batch	100 mls			
1	CRA(0.2ppb)	"			
2	MB1	"			
3	9503G998-002	"			
4	-003	"			
5	-004	"			
6	-005	"			
7	-007	"			
8	-009	"			
9	-010	"			
10	-010R	"			
QC 2	CCV No. 1 (LCS) Batch 197(2ppb)	100 mls			
QC 1	CCB No. 1 (MB) Batch	100 mls			

Preparation Signature: Cheryl L Boyd Date: 4/3/95 Time In: 12:30pm Time Out: 2:30pm
Analyst Signature: Cheryl L Boyd Date Analyzed: 4/3/95A Date LIMS'd:
Reviewer Signature: Jodi L Wolfe Date: 4/12/95

Circle Method:
a. H2O - EPA 245.1 / SW846 7470
b. Soil/Solid - EPA 245.5 / SW846 7471
c. Other - _____

WESTON-Gulf Coast, Inc.
Mercury Digestion Log/Analytical Run Log

Page #: _____
Book #: 1803
Filename: GHG197(cont)

Instrument: Leeman Labs PS200 (HG3)
Wavelength: 253.7 nm
Optical Cell Length: 20.5 cm
Standard/Matrix Spike Source ID#: 756
ICV/CCV/LCS Source ID#: 698
Water Bath Temperature: Initial 95 C Final 95 C Equip.ID #: 1019
Control Limits: 90 C to 95 C
Thermometer ID: Hg
Correction Factor: 0.4 C
HNO3 Lot #: 2704KHGD
HCL Lot #: H15043
H2SO4 Lot #: 2876KHAC

AS Pos.#	RFW # / QC ID	Sample Size (mls or g per 100 ml final vol)	% Solids	Analytical Dilution	Comments
11	9503G998-010S(1ppb)	100ml			
12	-011	"			
13	-012	"			
14	-013	"			
15	-014	"			
16	-016	"			
17	-017	"			
18	-018	"			
SO 19	-006	"			
SO 20	-008	"			
	No. 197 Batch (1ppb)				
QC 2	CCV 2 (LCS)	100 mls			
QC 1	CCB 2 (MB)	100 mls			
SO 21	9503G998-015	"			
22	9503G001-001	"			2nd analysis with inconsistent results - reported.
23	-001R	"			
24	-001S(1ppb)	"			

JO 4/11/95

	No. 197 Batch (1ppb)				
QC 2	CCV 3 (LCS)	100 mls			
QC 1	CCB 3 (MB)	100 mls			

Preparation Signature: Cheryl L Boyd Date: 4/3/95 Time In: 12:30pm Time Out: 2:30pm
Analyst Signature: Cheryl L Boyd Date Analyzed: 4/3/95A Date LIMS'd: /
Reviewer Signature: Jodi L Wojcik Date: 4/12/95

GHG 197

CONCENTRATION

828

Folder: 040395A Page 1

15:07:21 03 Apr 1995 Protocol: MERCURY VAPOR AUTOANALYZER

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 15:07:21 03 Apr 1995 HG

Hg .0000 ppb 240

Ave. Int. = 240 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 15:09:44 03 Apr 1995 HG

Hg .2000 ppb 3667

Ave. Int. = 3667 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 15:12:08 03 Apr 1995 HG

Hg .5000 ppb 9264

Ave. Int. = 9264 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 15:14:33 03 Apr 1995 HG

Hg 1.000 ppb 19507

Ave. Int. = 19507 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 15:17:03 03 Apr 1995 HG

Hg 3.000 ppb 57418

Ave. Int. = 57418 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 15:19:43 03 Apr 1995 HG

Hg 5.000 ppb 95837

Ave. Int. = 95837 S. D. = 0

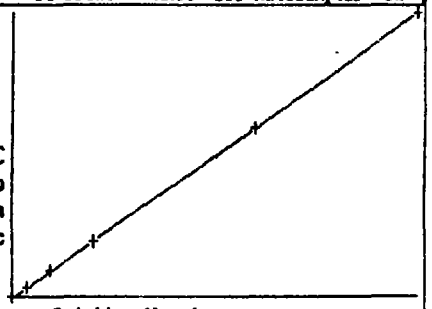
Cheryl L Boyd 4/3/95

Protocol: MERCURY VAPOR AUTOANALYZER
Rev: 2.005 Time: 15:19:56 03 Apr 1995
Folder: 040395A Seq: 6 Print: On
User: BOYD Batch: Id: StdGRepl Cup: Gas: 0.25 LPM
State: Idle Macro CLP3STUP 79 : F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear
S1	.0000	.0120	.0120	Quadratic
S2	.2000	.1908	-.0092	MtdLinear
S3	.5000	.4829	-.0171	C
S4	1.000	1.017	.0175	Accept o
S5	3.000	2.996	-.0041	n
S6	5.000	5.001	.0009	StdAdd c
A	.0000000	r	.999979	
B	5.21865e-5	C	-5.31611e-4	



	Mean	%RSD	
S1	240	0	240
S2	3667	0	3667
S3	9264	0	9264
S4	19587	0	19587
S5	57410	0	57410
S6	95837	0	95837

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 6 15:22:22 03 Apr 1995 HG

ICV LCV

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.46	1.989	2.000	ppb	.0000

99.5%

*** Check Standard: 1 Ck1 Seq: 7 15:24:55 03 Apr 1995 HG

ICB

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0296	.2000	ppb	.0000

*** Sample ID: 01 Seq: 8 15:27:15 03 Apr 1995 HG

CRA

CRA

Hg	.1906	ppb	.0000	.1906	

95.3%

*** Sample ID: 02 Seq: 9 15:29:34 03 Apr 1995 HG

MB1

MB1

Hg	-.0188	L ppb	.0000	-.0188	

*** Sample ID: 03 Seq: 10 15:31:53 03 Apr 1995 HG

9503G998-002

Hg	-.0181	L ppb	.0000	-.0181	

*** Sample ID: 04 Seq: 11 15:34:12 03 Apr 1995 HG

9503G998-003

Hg	.0068	ppb	.0000	.0068	

*** Sample ID: 05 Seq: 12 15:36:31 03 Apr 1995 HG

9503G998-004

Hg	-.0138	L ppb	.0000	-.0138	

*** Sample ID: 06 Seq: 13 15:38:50 03 Apr 1995 HG

9503G998-005

Hg	-.0130	L ppb	.0000	-.0130	

*** Sample ID: 07 Seq: 14 15:41:10 03 Apr 1995 HG

9503G998-007

Hg	-.0014	L ppb	.0000	-.0014	

*** Sample ID: 08 Seq: 15 15:43:30 03 Apr 1995 HG

9503G998-009

Hg	-.0000	L ppb	.0000	-.0000	

*** Sample ID: 09 Seq: 16 15:45:50 03 Apr 1995 HG

9503G998-010

Hg	-.0061	L ppb	.0000	-.0061	

*** Sample ID: 10 Seq: 17 15:48:10 03 Apr 1995 HG

9503G998-010R

Hg	-.0018	L ppb	.0000	-.0018	

NC

Line	Conc.	Units	SD/RSD	1	2	3	4	5

CV1 LCS

*** Check Standard: 3 Ck3 Seq: 18 15:50:31 03 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.1	1.061	1.000	ppb	.0000

106.1%

CB1

*** Check Standard: 1 Ck1 Seq: 19 15:52:57 03 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0344	.2000	ppb	.0000

*** Sample ID: 11 Seq: 20 15:55:17 03 Apr 1995 HG
9503G998-010S

Hg	1.031	ppb	.0000	1.031	

103.1%

*** Sample ID: 12 Seq: 21 15:57:46 03 Apr 1995 HG
9503G998-011

Hg	-.0182 L	ppb	.0000	-.0182	

*** Sample ID: 13 Seq: 22 16:00:03 03 Apr 1995 HG
9503G998-012

Hg	-.0037 L	ppb	.0000	-.0037	

*** Sample ID: 14 Seq: 23 16:02:20 03 Apr 1995 HG
9503G998-013

Hg	-.0149 L	ppb	.0000	-.0149	

*** Sample ID: 15 Seq: 24 16:04:37 03 Apr 1995 HG
9503G998-014

Hg	.0128	ppb	.0000	.0128	

*** Sample ID: 16 Seq: 25 16:06:54 03 Apr 1995 HG
9503G998-016

Hg	.1861	ppb	.0000	.1861	

*** Sample ID: 17 Seq: 26 16:09:13 03 Apr 1995 HG
9503G998-017

Hg	-.0111 L	ppb	.0000	-.0111	

*** Sample ID: 18 Seq: 27 16:11:31 03 Apr 1995 HG
9503G998-018

Hg	.0245	ppb	.0000	.0245	

*** Sample ID: 19 Seq: 28 16:13:49 03 Apr 1995 HG
9503G998-006

Hg	.0072	ppb	.0000	.0072	

*** Sample ID: 20 Seq: 29 16:16:07 03 Apr 1995 HG
9503G998-008

Hg	.0064	ppb	.0000	.0064	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

CW2 *** Check Standard: 3 Ck3 Seq: 30 16:18:27 03 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.1	1.081	1.000	ppb	.0000

108, 1%.

CB2 *** Check Standard: 1 Ck1 Seq: 31 16:20:59 03 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0241	.2000	ppb	.0000

*** Sample ID: 21 Seq: 32 16:23:18 03 Apr 1995 HG
9503G998-015

Hg	-.0006 L	ppb	.0000	-.0006	

*** Sample ID: 22 Seq: 33 16:25:36 03 Apr 1995 HG
9503G001-001

Hg	2.909	ppb	.0000	2.909	

*** Sample ID: 23 Seq: 34 16:28:15 03 Apr 1995 HG
9503G001-001R

Hg	3.589	ppb	.0000	3.589	20.9%

*** Sample ID: 24 Seq: 35 16:30:54 03 Apr 1995 HG
9503G001-001S 152%

Hg	4.431	ppb	.0000	4.431	

CW3 *** Check Standard: 3 Ck3 Seq: 36 16:33:33 03 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		110.6	1.106	1.000	ppb	.0000

110, 6%.

CB3 *** Check Standard: 1 Ck1 Seq: 37 16:36:00 03 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0350	.2000	ppb	.0000

*** Check Standard: 1 Ck1 Seq: 38 16:39:41 03 Apr 1995 HG 4/3/95

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0277	.2000	ppb	.0000

GHG197

INTENSITY

16:41:38 03 Apr 1995 Folder: 040395A Page 1
Protocol: MERCURY VAPOR AUTOANALYZER

Line	Conc.	Units	BD/RBD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 15:07:21 03 Apr 1995 HG

Hg .0000 ppb 240
Ave. Int. = 240 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 15:09:44 03 Apr 1995 HG

Hg .2000 ppb 3667
Ave. Int. = 3667 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 15:12:08 03 Apr 1995 HG

Hg .5000 ppb 9264
Ave. Int. = 9264 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 15:14:33 03 Apr 1995 HG

Hg 1.000 ppb 19507
Ave. Int. = 19507 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 15:17:03 03 Apr 1995 HG

Hg 3.000 ppb 57418
Ave. Int. = 57418 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 15:19:43 03 Apr 1995 HG

Hg 5.000 ppb 95837
Ave. Int. = 95837 S. D. = 0

*** Check Standard: 2 Ck2 Seq: 6 15:22:22 03 Apr 1995 HG
Line Flag Intensities
Hg 38128

*** Check Standard: 1 Ck1 Seq: 7 15:24:55 03 Apr 1995 HG
Line Flag Intensities
Hg -557

*** Sample ID: 01 Seq: 8 15:27:15 03 Apr 1995 HG
CRA
Hg .1906 ppb 3662

*** Sample ID: 02 Seq: 9 15:29:34 03 Apr 1995 HG
MB1
Hg -.0188 L ppb -350

Cheryl L Boyd 4/3/95

833

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 03				Seq: 10	15:31:53 03 Apr 1995 HG			
				9503G998-002				
Hg	-.0181	L ppb		-336				
*** Sample ID: 04				Seq: 11	15:34:12 03 Apr 1995 HG			
				9503G998-003				
Hg	.0068	ppb		140				
*** Sample ID: 05				Seq: 12	15:36:31 03 Apr 1995 HG			
				9503G998-004				
Hg	-.0138	L ppb		-255				
*** Sample ID: 06				Seq: 13	15:38:50 03 Apr 1995 HG			
				9503G998-005				
Hg	-.0130	L ppb		-238				
*** Sample ID: 07				Seq: 14	15:41:10 03 Apr 1995 HG			
				9503G998-007				
Hg	-.0014	L ppb		-16				
*** Sample ID: 08				Seq: 15	15:43:30 03 Apr 1995 HG			
				9503G998-009				
Hg	-.0000	L ppb		10				
*** Sample ID: 09				Seq: 16	15:45:50 03 Apr 1995 HG			
				9503G998-010				
Hg	-.0061	L ppb		-106				
*** Sample ID: 10				Seq: 17	15:48:10 03 Apr 1995 HG			
				9503G998-010R				
Hg	-.0018	L ppb		-25				
*** Check Standard: 3 Ck3				Seq: 18	15:50:31 03 Apr 1995 HG			
Line Flag Intensities								
Hg				20335				
*** Check Standard: 1 Ck1				Seq: 19	15:52:57 03 Apr 1995 HG			
Line Flag Intensities								
Hg				-649				
*** Sample ID: 11				Seq: 20	15:55:17 03 Apr 1995 HG			
				9503G998-010B				
Hg	1.031	ppb		19763				
*** Sample ID: 12				Seq: 21	15:57:46 03 Apr 1995 HG			
				9503G998-011				
Hg	-.0182	L ppb		-338				

835

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 13				Seq: 22	16:00:03 03 Apr 1995 HG			
				9503G998-012				
Hg	-.0037 L	ppb		-61				
*** Sample ID: 14				Seq: 23	16:02:20 03 Apr 1995 HG			
				9503G998-013				
Hg	-.0149 L	ppb		-276				
*** Sample ID: 15				Seq: 24	16:04:37 03 Apr 1995 HG			
				9503G998-014				
Hg	.0128	ppb		256				
*** Sample ID: 16				Seq: 25	16:06:54 03 Apr 1995 HG			
				9503G998-016				
Hg	.1861	ppb		3576				
*** Sample ID: 17				Seq: 26	16:09:13 03 Apr 1995 HG			
				9503G998-017				
Hg	-.0111 L	ppb		-203				
*** Sample ID: 18				Seq: 27	16:11:31 03 Apr 1995 HG			
				9503G998-018				
Hg	.0245	ppb		479				
*** Sample ID: 19				Seq: 28	16:13:49 03 Apr 1995 HG			
				9503G998-006				
Hg	.0072	ppb		149				
*** Sample ID: 20				Seq: 29	16:16:07 03 Apr 1995 HG			
				9503G998-008				
Hg	.0064	ppb		132				
*** Check Standard: 3 Ck3				Seq: 30	16:18:27 03 Apr 1995 HG			
Line Flag Intensities								
Hg			20733					
*** Check Standard: 1 Ck1				Seq: 31	16:20:59 03 Apr 1995 HG			
Line Flag Intensities								
Hg			-451					
*** Sample ID: 21				Seq: 32	16:23:18 03 Apr 1995 HG			
				9503G998-015				
Hg	-.0006 L	ppb		-2				
*** Sample ID: 22				Seq: 33	16:25:36 03 Apr 1995 HG			
				9503G001-001				
Hg	2.909	ppb		55745				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 23 Seq: 34 16:28:15 03 Apr 1995 HG
9503G001-001R
Hg 3.589 ppb 68788

*** Sample ID: 24 Seq: 35 16:30:54 03 Apr 1995 HG
9503G001-001S
Hg 4.431 ppb 84910

*** Check Standard: 3 Ck3 Seq: 36 16:33:33 03 Apr 1995 HG
Line Flag Intensities
Hg 21198

*** Check Standard: 1 Ck1 Seq: 37 16:36:00 03 Apr 1995 HG
Line Flag Intensities
Hg -661

DIGESTION INFORMATION

Weston Environmental Metrics, Inc.

Metals Digestion Standard Spike Concentrations
Revision: 12/16/94

ICAP Spiking Intermediate:

Elements	Concentration
Ca, Mg, K, Na,	1000 ug/ml
Al, Ba, As, Se, Tl	200 ug/ml
Fe, B, Sr, Mo, Si, Sn, Ti	100 ug/ml
Co, Pb, Mn, Ni, V, Zn, Sb, Li	50 ug/ml
Cr	20 ug/ml
Cu	25 ug/ml
Be, Cd, Ag	5 ug/ml

Single Element Spikes

Ba (TCLP)	10000 ug/ml
Cs	1000 ug/ml
Si	1000 ug/ml

GFAA: Predigestion Solution

Elements	Concentration
As	4 ug/ml
Pb	2 ug/ml
Se	1 ug/ml
Tl	5 ug/ml
Cd	0.5 ug/ml

TCLP (MS)

Elements	Concentration
As, Cr, Pb	500 ug/ml
Cd, Se, Ag	100 ug/ml
Hg	20 ug/ml

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Weston-Gulf Coast Laboratories, Inc.
Metals Department
Standard/Receipt/Verification Log

Standard Name	Mfg.	Lot #	Source ID#	Date Received	Date Expired	Date Verified	Verified/ Filename	Certificate Received
Co 1003 mg/ml	Inorg Vent.	I-CO01042	632	12-16-93	1-1-95	12/27/93	REM P10237A	YES
Fe 1009 mg/ml		I-FE01115	633			↓	↓	
K 1002 mg/ml		I-K01094	634					
Li 999 mg/ml		I-LI01035	635			12/27/93	[illegible] P12437C	
Mg 1011 mg/ml		I-MG01081	636			12/27/93	REM P10237A	
Mn 1004 mg/ml		I-MN01042	637					
Mo 1004 mg/ml		I-MO01049	638					
Ag 994 mg/ml		I-AG01057	639					
Na 995 mg/ml		I-NA01059	640					
Ni 1001 mg/ml		I-NI01063	641					
Pb 1009 mg/ml		I-PB01068	642					
Se 1004 mg/ml		I-SE01030	643					
Si 1000 mg/ml		I-SI01059	644					
Sr 1002 mg/ml		I-SR01073	645					
Tl 1003 mg/ml		I-TL01035	646					
Ti 1001 mg/ml		I-TI01060	647					
Sn 999 mg/ml		I-SN01032	648					
V 1002 mg/ml		I-V01062	649					
Zn 998 mg/ml	↓	I-ZN01063	650	↓	↓	↓	↓	↓
WGC-SPK-2A	Inorg Vent.	I-MEB17048	651	12-20-93	1-1-95	12/28/93	[illegible] P11437C	YES
WGC-SPK-2A		I-MEB17048	652			↓	↓	
WGC-SPK-2C		I-MEB27019	653			12/27/93	REM P10237A	
WGC-SPK-2C	↓	I-MEB27019	654	↓	↓	↓	↓	↓
Be 997 mg/l	Inorg Vent	I-BE01042	655	1-10-94	1-1-95	03/23/94	REM P10323D	YES
XWGC-9	SPEX	I-203MM	656	1-24-94	1-95	1/31/94	DLL P20131A	
XWGC-9	↓	I-203MM	657	↓	↓	↓	↓	↓
XWGC-11		I-203MM	658					
XWGC-11	↓	I-203MM	659	↓	↓	↓	↓	↓
Hg 1000 mg/dl	SPEX	3-98 HG	660	3-4-94	3-15-95	4/14/94	Co GHF126	
Cs 1000 mg/ml	SPEX	3-55CS	661	3-4-94	3-15-95	3/23/94	BH CS[illegible]	↓
Cs 993 mg/ml	Inorg Vent	I-CS01094	662	3/1/94	3-1-95	3/23/94	BH CS[illegible]	YES
Sc 999 mg/ml	Inorg Vent	I-SC01035	663	3/17/94	4-1-95	3/24/94	DLL P20131A	YES
Sc 999 mg/ml	↓	I-SC01035	664	3/17/94	4-1-95	3/24/94	DLL P20131A	↓

Reviewer Signature: Jodi L. Wojcik Date: 4/7/94

Form I

1275

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Standard/Receipt/Verification Log

Standard Name	Mfg.	Lot #	Source ID#	Date Received	Date Expired	Date Verified	Verified/ Filename	Certificate Received
V 999 mg/ml	Inorg Vent	I-V01034	665	3-17-94	4-1-95	03/23/94	REM P10323D	YES
V [illegible] 1009 mg/ml	↓	I-V01035	666	3-17-94	4-1-95	03/23/94	REM P10323D	↓
Al 999 mg/ml	Inorg Vent.	I-AL01035	667	4-4-94	4-1-95	4/14/94	DLL P20131A	YES
Si 1000 mg/ml	↓	I-SI01036	668	4-4-94	4-1-95	↓	↓	↓
Al 10.000 mg/ml	SPEX	F-246AL	669	4-7-94	4-15-95	↓	↓	↓
QCS-ICP 1 [illegible]	↓	I-1 ICP-1	670	↓	↓			
QCS-ICP [illegible]	↓	I-2 ICP-2	671	↓	↓			
XWGC-10A	SPEX	I-203MM	672	4-22-94	5-31-95	5/20/94	DLL P20520C	YES
XWGC-10A	↓	I-203MM	673	4-22-94	5-31-95	↓	↓	↓
WGC-SPK-C	Inorg Vent.	I-MEB32053	674	5-20-94	6-1-94	↓	↓	YES
Be 998 mg/l	↓	I-BE01054	675	5-20-94	6-1-95	↓	↓	↓
QCP-60	Inorg Vent	I-MEB32106	676	6-3-94	6-1-95	0		YES
Ca 1004 mg/ml	Inorg Vent	I-CA01109	677	6-24-94	7-1-95	06-30-94	REM P10630B	YES
Fe 1004 mg/ml	↓	I-FE01013	678	↓	↓	↓	↓	↓
K 997 mg/ml	↓	I-K01009	679	↓	↓	↓	↓	↓
WGC CRI-1	Inorg Vent.	I-MEB31C54	680	6-29-94	7-1-95	↓	↓	YES
WGC CRI-2	↓	I-MEB33055	681	↓	↓	↓	↓	↓
Al 1008 mg/ml	Inorg Vent	I-AL01060	682	7-7-94	8-1-95	07-08-94	REM P10708C	YES
↓	↓	↓	683	↓	↓	↓	↓	↓
CLP-ICS-A	Inorg Vent	I-MEB33[illegible]	684	↓	↓	↓	↓	↓
↓	↓	↓	685	↓	↓	↓	↓	↓
EE-ICQ-WGC1	HI PURITY	450322	686	8-25-94	9-1-95	8/25/94	DLL P20825A	YES
EE-ICQ-WGC2	↓	↓	687	↓	↓	↓	↓	↓
" " TL 200ppb			688					
EE-ICQ-WGC3			689					
" " Be 200ppb	↓	↓	690	↓	↓	↓	↓	↓
EE-ICQ-WGCL	HIGH-PURITY	490826	691	8-31-94	9-1-95	8/31/94	DLL P20831R	YES
" " TISI	↓	↓	692	↓	↓	↓	↓	↓
HP1023-C-500	HIGH-PURITY	490902	693	9-6-94	10-1-95	9/14/94	DLL P20914C	YES
WGC-CAL-1C	Inorg Vent	I-MEB36035	694	9-14-94	10-1-95	9/14/94	DLL P20914B	YES
WGC-CAL-1D	↓	I-MEB36056	695	↓	↓	↓	↓	↓
Sc 1001 mg/ml	↓	I-SC01109	696	↓	↓	↓	↓	↓
Si 1000 mg/ml	HIGH-PURITY	490328	697	9/20/94	10-1-95	↓	↓	YES

Reviewer Signature: Jodi L. Wojcik

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Weston-Gulf Coast Laboratories, Inc.
Metals Department
Standard/Receipt/Verification Log

Standard Name	Mfg.	Lot #	Source ID#	Date Received	Date Expired	Date Verified	Verified/ Filename	Certificate Received
Hg 1000 mg/mL	[illegible]	J-HG01070	698	9/26/94	10/1/95	9/29/94	GC GHG548	Yes
Sb 1000 mg/mL	SPEX	4-735B	699	9/30/94	8/31/95	9/30/94	DLL P01020	YES
XWGC-1B	SPEX	2-243MM	700	9/30/94	9/95			
XWGC-1B	SPEX	2-243MM	701	9/30/94	9/95			
Sb 998 mg/mL	II	J-SB01116	702	9/30/94	10/1/95			
Tl 1000 mg/mL	HIGH PURITY	490516	703	9/30/94	10/95			
Tl 1000 mg/mL	HIGH PURITY	490516	704	9/30/94	10/95			
Si 1000 mg/mL	HIGH PURITY	4190906	705	9/30/94	10/95			
CLPP-ICS-B	IV	J-MEB28062	706	9/30/94	10/1/95			
WGC-FCAL-1	IV	J-MEB37AD	707	10/7/94	11/1/95	10/10/94	DLL P1017A	YES
NP1042-A-500	HIGH PURITY	490930	708	10/7/94	11/1/95			YES
* WGC-SPK-2A	IV	J-MEB38130	709	12/19/94	1/1/96	12/19/94	DLL P11229C	YES
WGC-SPK-2C		J-MEB38B31	710		1/1/96			YES
CLPP-ICS-B		J-MEB28062	711	11/94	11/1/95			YES
Y 1000 PPM		J-Y01041	712	12/19/94	1/1/96	12-21-94	REM P11221A	YES
Y 1000 PPM		J-Y01041	713		1/1/96			YES
Sc 1000 PPM		J-SC01107	714		1/1/96	12/21/94	DLL P21218	YES
Sc 1000 PPM		J-SC01107	715		1/1/96			YES
Al 1000 PPM		J-AL02112	716	12/19/94	1/1/96	12-27-94	REM P11227C	YES
Sb 1000 PPM		J-SB01120	717	12/19/94	1/1/96			YES
As 1000 PPM		J-AS01077	718	12/19/94	1/1/96			YES
Ba 1000 PPM		J-BA01090	719	12/19/94				
Be 1000 PPM		J-BE01044	720	12/19/94				
B 1000 PPM		J-BO1071	721	12/19/94				
Cd 1000 PPM		J-CD01074	722	12/19/94				
Ca 1000 PPM		J-CA02013	723	12/19/94				
Cr 1000 PPM		J-CR02003	724	12/19/94				
Co 1000 PPM		J-CO01066	725	12/19/94				
Cu 1000 PPM		J-CU02002	726	12/19/94				
Fe 1000 PPM		J-FE01078	727	12/19/94				
Pb 1000 PPM		J-PB02085	728	12/19/94				
Li 1000 PPM		J-LI01078	729	12/19/94		12/29/94	DLL P11229C	
Mg 1000 PPM		J-MG02001	730	12/19/94		12-29-94	REM P11227C	

Reviewer Signature: Jodi L. Hopkins **Date:** 1/6/95

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* Na missing - K-2X ICAL

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Weston-Gulf Coast Laboratories, Inc.
Metals Department
Standard/Receipt/Verification Log

Standard Name	Mfg.	Lot #	Source ID#	Date Received	Date Expired	Date Verified	Verified/ Filename	Certificate Received
Mn 1000 PPM	IV	J-MN01112	731	12/19/94	1/1/96	12-27-94	REM P11227C	YES
Mo 1000 PPM		J-MO01085	732					
Ni 1000 PPM		J-NI01082	733					
K 1000 PPM		J-KO2008	734					
Se 1000 PPM		J-SE01062	735					
Si 1000 PPM		I-SI01078R	736					
Ag 1000 PPM		J-AG01088	737					
Na 1000 PPM		J-NA02001	738					
Sr 1000 PPM		J-SR01091	739					
Tl 1000 PPM		J-TL01048	740					
Sn 1000 PPM		I-SN01078	741					
Ti 1000 PPM		J-TI01102	742					
V 1000 PPM		J-V01096	743					
Zn 1000 PPM		J-ZN01080	744					
CLPP-ICS-A	IV	J-MEB25066	745	12/27/94	1/1/96	12/27/94	DLL P21229C	YES
CLPP-ICS-A			746					
Si 1000 PPM	IV	J-SI01107	747	1/4/95	1/1/96	1/6/95	REM P10106E	YES
Na 10000 PPM		J-NA01106	748			1/6/95	DLL P01084	
WGC-SPIKE-C	IV	K-MEB39H1	749	1/25/95	2/1/96	1/27/95	DLL P10227B	YES
Ba 10000		J-BA01088	750					
CS 1000 ug/mL	SPEX	4-83CS	751	1/31/95	1/31/96	3/9/95	BH CS030901	Yes
CS 1001 ug/mL	IV	J-CS01028R	752	2/1/95	2/1/96	3/9/95	BH CS030901	Yes
ICQC-7 (ICP7)	HIGH PURITY	49124	753	2/7/95	3/1/96	2/9/95	DLL P10228	YES
ICSAB-A (ICP A)		49102	754		3/1/96	2/9/95	DLL P10228	YES
WGC-SIL-2A	IV	K-MEB40GC	755	2/10/95	3/1/96	2/10/95	DLL P10210C	YES
Al 10000 PPM	IV	J-AL02111	757	2/23/95	3/1/96	3/1/95	DLL P10301B	YES
Zr 10000	IV	J-ZR02028R				3/9/95	BH CS030901	YES
						3/9/95	BH CS030901	YES
Hg 1000 mg/mL	HIGH-PURITY	590130	756	3/13/95	4/1/96	3/13/95	GC GHG154	Yes
Al 10000 PPM	IV	J-AL02111	757	2/23/95	3/1/96	3/1/95	DLL P20301B	YES

Reviewer Signature: _____ **Date:** _____

Form I

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	3030 INT QC 3.5 PPM	11/18/94	#708	3.5 mls	100 mls	2% HNO_3	3.5 ppm	Ronald L Fisher	12/18/94
2.	5100 INT	11/18/94	#707 (STD)	5.0 MLS	500.0 MLS	2% HNO_3	ALL = 1.0 PPM EXCEPT CN = 100	Bonnie Hoff	12/18/94
3.	5100 INT	11/18/94	#708 (QC)	5.0 MLS	500.0 MLS	2% HNO_3	ALL = 1.0 PPM EXCEPT CN = 100.0 PPM	Bonnie Hoff	12/18/94
4.	ICV/CCV (IC2)	11/22/94	694 695 683 696 SC	10.0 MLS 50.0 MLS 10.8 MLS (ON TOP)	1 l	1% HNO_3 + 5% HCl	*	Douglas L Lucas	8/1/95 ~~11/22/95~~ 11/28/94
5.	3.0 ICV (IC2)	11/28/94	694 695 683 696	4 MLS 20 MLS 5 MLS (ON TOP)	500.0 MLS	1% HNO_3 + 5% HCl	*	Douglas L Lucas	8/1/95 ~~11/22/95~~ 11/28
6.	3030 INT Sb STD 1.00 PPM	11/28/94	699	1 ml	1000 mls	2% HNO_3	1.00 PPM	Ronald L Fisher	12/28/94
7.	3030 INT Sb QC	11/28/94	702	3.5 ml	1000 mls	2% HNO_3	3.50 PPM	Ronald L Fisher	12/28/94
8.	CP SPIKE SOLN	12/2/94	#652 #654	100 MLS 100 MLS	1 l	4% HNO_3	*	Douglas L Lucas	1/1/95 12/2/94

Reviewer Signature: Jodi L. Wojcik Date: 12/8/94

* See Table I

Form II

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	Sb pre-digestion Stln	12/5/94	#702	500µl	100ml	2% HNO3	5ppm	Eileen Duke	1/5/95
2.	4100's INT.	12/5/94	#707	5mls	500mls	2% HNO3	1ml all except Cd = 1ppm	Brad Thweatt	1/5/95
3.	4100's INT.	12/5/94	#708	5mls	500mls	2% HNO3	1ml all except Cd = 1ppm	Brad Thweatt	1/5/95
4.	CRI (K2)	12/5/94	688 681 BAL DILS ON	10 mls 10 mls	1L	HNO3+5% H4	*	Douglas Lewis	7/1/95
5.	ISA (K2)	12/5/94	685 68% DILS	100 mls ON ICP	1L	HNO3+5% H4	*	Douglas Lewis	8/1/95
6.	GFAA Spec. Digestion Soln	12/7/94	676 639, 630, 631	1.0ml 200µl	100ml	2% HNO3	* Hg, Cd, Cu 2ppm	Eileen Duke	1/1/95
7.	GFAA Solids	12/7/94	676 639, 630, 631	1.0ml 200µl	100ml	2% HNO3	* Hg, Cd, Cu 2ppm	Eileen Duke	1/1/95
8.	Sb INT 5100	12/7/94	677 (STANDARDS)	1.0 ML.	100 MLS.	2% HNO3	1.0 PPM	[illegible]	1/7/95 BFH 12/16/94

Reviewer Signature: Judy L Wojcik Date: 12/8/94
* See Table I
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Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	Sb INT 5100	12/7/94	707 (QC)	1.0 ML.	100.0 MLS.	2% HNO3	1.0 PPM	[illegible]	1/7/95 BFH 12/15/94
2.	TDS/TSS/V(K1)	12-12-94	694 695 683 Blnk	10 mls(K2) 50 mls 10 mls	1,000 mls	5% HCl + HNO3	*	Ron E Miller	04-01-95
3.	5100 INT.	12/15/94	#707 STANDARD	5.0 MLS.	500 MLS.	2% HNO3	ALL = 1.0 PPM EXCEPT Cd = 100.0 PPB	[illegible]	1/15/95 BFH 12/15/94
4.	5100 INT.	12/15/94	#708 QC	50 MLS.	500 MLS	2% HNO3	ALL = 1.0 PPM Cd = 100.0 PPB	[illegible]	1/15/95 BFH 12/15/94
5.	3030 Spl Std Soln 100 ppm	12/19/94	#707	10.0 mls	1000 mls	2% HNO3	1.00 ppm 0.10 ppm Cd	Randall Fiber	1/19/95
6.	3030 QC Std 2.5 ppm	12/19/94	#708	2.5 mls	100 mls	2% HNO3	2.50 ppm 0.25 ppm Cd	Randall Fiber	1/19/95
7.	3030 QC Std 2.5 ppm	12/19/94	#707	2.5 mls	100 mls	2% HNO3	2.5 ppm 0.25 ppm Cd	Randall Fiber	1/19/95
8.	ISB (K2)	12/19/94	#685 #706 #695 #694 #683	50 mls 50 mls 25 mls 50 mls ON ICP	500 ml 1000 mls	5% HCl + HNO3	*	Douglas Lewis	4/1/95

Reviewer Signature: Judy L Wojcik
* See Table I

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

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Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1. 20 STD (IC2)	1/4/95	657, 672, 679, 672 6%	1mL ea # 5mls pipet	500mls	2%HNO3+5%HCl	*	Douglas L Lueck	1/4/95
2. ICV/CCV (IC2)	12/14/94	694, 695 683 696	20mls each 5mls 20mls on rod	1000mls	2%HNO3+5%HCl	*	Douglas L Lueck	8/1/95
3. 4100's Int.	12/21/94	#707	5mls	500mls	2% HNO3	1ppm all except Cd: 100ppm	Debbie Kelly	1/21/95
4. 4100's Int.	12/21/94	#708	5mls	500mls	2% HNO3	1ppm all except Cd: 100ppm	Debbie Kelly	1/21/95
5. GFAA Pre-digestion Spike	12/29/94	#1676 #728, 732, 737	1.0ml 200µl	100ml	2%HNO3	* Cr, Cu, Fe 200ppm	Edna Duke	1/01/95
6. GFAA Soil ICS	12/29/94	#1676 #728, 732, 737	1.0ml 200µl	100ml	2%HNO3	* Cr, Cu, Fe 200ppm	Edna Duke	1/01/95
7. ICP Spike Soln	1/2/95	# 709 # 710	10ml 10ml	100ml	4% HNO3	* (Na missing)	Edna Duke	1/01/96
8. ISB (IC1)	1-3-95	685 706, 1676 718, 735	100mls (Mo b/c) 5mls (Ca)	1000mls	5%HCl, 1%HNO3	*	Joe E Mills	04-01-95

Reviewer Signature: John L Wojcik Date: 1/9/95
* See Table I

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Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

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Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1. ISB (IC2)	1/3/95	685 706 718, 735 714	100mls 8mls 5mls 8mls on rod	1000mls	2%HNO3+5%HCl	*	Douglas L Lueck	8/1/95
2. 3030 Int Std mix 1.0ppm	1/4/95	694	0.1ml	100ml	HNO3	1ppm	Linda Tabor	3/4/95
3. 3030 Int Std mix 3.5ppm	1/4/95	708	0.35ml	100ml	HNO3	3.5ppm	Linda Tabor	3/4/95
4. ICP SPIKE SOLN	1/6/95	#709 #710 #748	100mls	1l	4%HNO3	*	Douglas L Lueck	1/1/96
5. ICV/CCV (IC1)	01-06-95	694, 695 683 712	10-b(ca) 50mls 10mls	1000mls	5%HCl 1%HNO3	*	Joe E Mills	08-01-95
6. Sb pre-digest 100 Spike	1/11/95	#702	50µl	100ml	2%HNO3	5ppm Sb	Edna Duke	10/01/95
7. 5100 INT.	1/11/95	#707 STANDARD	5.0MLS	500 MLS	2% HNO3	ALL: 1.0PPM EXCEPT Cd: 100.0 PPB	Tonya Stone	2/16/95
5100 INT.	1/16/95	#708 STD	5.0MLS	500MLS	2% HNO3	ALL: 1.0PPM EXCEPT Cd: 100.0 PPB	Tonya Stone	2/16/95

Reviewer Signature: John L Wojcik Date: 1/11/95
* See Table I

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Metals Department

Intermediate Standard/Spiking Solution Preparation Log

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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	4100 INT.	1/16/95	# 707	5.0 mls	500 mls	5% HNO_3	1 ppm all; except Cd = 100 ppb	B. Hamende	2/16/95
2.	4100 INT.	1/16/95	# 708	5.0 mls	500 mls	5% HNO_3	1 ppm all; except Cd = 100 ppb	B. Hamende	2/16/95
3.	Sb INT.	1/16/95	# 699	100 ul	100 mls	4% HNO_3	1 ppm	B. Hamende	2/16/95
4.	Sb INT.	1/16/95	# 702	100 ul	100 mls	4% HNO_3	1 ppm	B. Hamende	2/16/95
5.	3030 Int Std 1.00 PPM	1/19/95	# 707	10.0 ml	1000 ml's	2.0% HNO_3	1.00 PPM 0.10 PPM Cd	Ronald Fisher	2/19/95
6.	3030 Int QC 2.5 ppm	1/19/95	# 708	2.5 ml	100 ml's	2.0% HNO_3	2.5 ppm 0.25 ppm Cd	Ronald Fisher	2/19/95
7.	3030 Int QC 3.5 ppm	1/19/95	# 708	3.5 ml	100 ml's	2.0% HNO_3	3.5 ppm 0.35 ppm Cd	Ronald Fisher	2/19/95
8.	ICV/CCV (IC2)	1/20/95	694, 695 683 714	10 mls 50 mls 10 mls on Top	1,000 mls	5% HCl 1% HNO_3	*	Douglas L Lucas	8/1/95

Reviewer Signature: Jodi L Wojcik Date: 1-22-95

* See Table I

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Metals Department

Intermediate Standard/Spiking Solution Preparation Log

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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	ICV/CCV (IC1)	01-27-95	694, 695 683 712	10 mls (ea) 50 mls 10 mls on top	1,000 mls	5% HCl 1% HNO_3	*	Ron E. Mille	08-01-95
2.	20% STD (IC1)	01-31-95	686, 690, 689 691, 703▲ 712	2 mls each ↓ (4 mls of 703)▲ 10 mls on top	1,000 mls	5% HCl 1% HNO_3	*	Ron E. Mille	09-01-95
3.	50% STD (IC1) ~~IC2~~	01-31-95	686, 690, 689 691, 703▲ 712	5 mls each ↓ (10 mls of 703)▲ 10 mls on top	1,000 mls	5% HCl 1% HNO_3	*	Ron E. Mille	09-01-95
4.	20% STD Si (IC1)	01-31-95	697 712	1 ml 5 mls on top	500 mls	5% HCl 1% HNO_3	*	Ron E. Mille	10-01-95
5.	50% STD Si (IC1)	01-31-95	697 712	2.5 ml 5 mls on top	500 mls	5% HCl 1% HNO_3	*	Ron E. Mille	10-01-95
6.	20% STD (IC2) No Si	1/31/95	686, 689, 690, 691, ~~703~~ 703 714	2 MLS each 4 MLS 10 MLS on Top	1 l	5% HCl / 1% HNO_3	*	Douglas L Lucas	9/1/95
7.	50% STD (IC2) No Si	1/31/95	686, 689, 690, 691, ~~703~~ 703 714	5 MLS each 10 MLS 10 MLS on Top	1 l	5% HCl + 1% HNO_3	*	Douglas L Lucas	9/1/95
8.	20% STD (IC2) Si only	1/31/95	697 714	1 ML 5 MLS on Top	500 mls	5% HCl + 1% HNO_3	*	Douglas L Lucas	10/1/95

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Reviewer Signature: Jodi L Wojcik Date: 2-6-95

* See Table I

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

Box# 1276

	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	50% STD (IC2) Simly	1/31/95	697 / 714	2.5 MLS / 5 MLS on top	500 mls	5% HCl + 1% HNO3	*	Douglas L Lucas	10/1/95
2.	ICV 3.0 (IC1) = 80% of CCV	02-03-95	694 695 / 683 / 7612 (ppm 02-03-95)	4 mls / 20 mls / 5 mls on top	500 mls	5% HCl + 1% HNO3	* = 88% of normal ICV/CCV	Ron E. Miller	08-01-95 ~~02-03-95~~ REM 02-03-95
3.	CRI (IC1)	02-07-95 (ppm 2-6-95 06)	680 681 / 712	10 mls (ea) / 10 mls on top	1,000 mls	5% HCl 1% HNO3	*	Ron E. Miller	07-01-95
4.	ISA (IC1)	02-07-95 (ppm 2-6-95) 06	746 / 712	100 mls / 10 mls on top	1,000 mls	5% HCl 1% HNO3	*	Ron E. Miller	01-01-96
5.	ISB (IC1)	02-07-95 (06 ppm 2-6-95)	746 / 706 / 718 735 / 10 mls 712 on top	100 mls / 10 mls / 5 mls	1,000 mls	5% HCl 1% HNO3	*	Ron E. Miller	10-01-95
6.	GFAA INT. 4100's	2/7/95	707	5 mls	500 mls	5% HNO3	1 ppm all except Cd = 100 ppb	Brian J. Hamerde	3/7/95
7.	GFAA INT. 4100's	2/7/95	708	5 mls	500 mls	5% HNO3	1 ppm all except Cd = 100 ppb	Brian J. Hamerde	3/7/95
8.	SB (IC2)	2/9/95	#85 / 70 711 / 718 735 / 714	100 MLS / 10 / 5 / 10 MLS on top	1 l	5% HCl + 1% HNO3	*	Douglas L Lucas	8 [illegible] 10/1/95

Reviewer Signature: Jodi L Wojcik Date: 2/13/95
* See Table I
Form II

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

Box# 1276

	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	ICP SPIKE SOLN	2/10/95	710 / 755	100 MLS ↓	1 l	4% HNO3	*	Douglas L Lucas	1/1/96
2.	5100 INT	2/15/95	#707 STANDARD	5.0 MLS.	500 MLS.	2% HNO3	ALL = 1.0 PPM EXCEPT Cd = 100.0 PPB	[illegible]	3/15/95
3.	5100 INT	2/15/95	#708 QC	5.0 MLS.	500 MLS.	2% HNO3	ALL = 1.0 PPM EXCEPT Cd = 100.0 PPB	[illegible]	3/15/95
4.	ICV/CCV (IC1)	02-15-95	694, 695 / 716 / 712	10 mls / 50 mls / 10 mls on top	1,000 mls	1% HNO3, 5% HCl	*	Ron E. Miller	10-01-95 ~~02-15-95~~ REM 02-15-95
5.	ICV/CCV (IC2)	2/15/95	694 695 / 716 / 714	5 MLS / 25 MLS / 5 MLS on top	500 mls	1% HNO3, 5% HCl	*	Douglas L Lucas	10/1/95
6.	3030 Int Std 1.00 PPM	2/17/95	#707	10.0 ml	1000 mls	2% HNO3	1.00 PPM 0.10 PPM Cd	[illegible]	3/17/95
7.	3030 Int QC 2.5 PPM	2/17/95	#708	2.5 ml	100 mls	2% HNO3	2.5 PPM 0.25 Cd	[illegible]	3/17/95
8.	3030 Int QC 3.5 PPM	2/17/95	#708	3.5 ml	100 mls	2% HNO3	3.5 PPM 0.25 Cd	[illegible]	3/17/95

Reviewer Signature: Jodi L Wojcik Date: 2-21-95
* See Table I
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Weston-Gulf Coast Laboratories, Inc.
Metals Department
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	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
	3030 Int Sb Std	2/17/95	699	0.1 ml	100 ml	2% HNO_3	1 ppm	[signature]	3/17/95
2.	3030 Int QC Sb 2.5	2/17/95	702	0.25 ml	100 ml	2% HNO_3	2.5 ppm	[signature]	3/17/95
3.	3030 Int QC Sb 3.5	2/17/95	702	0.35 ml	100 ml	2% HNO_3	3.5 ppm	[signature]	3/17/95
4.	Sb INT.	2/22/95	#699	100 ul	100 mls	4% HNO_3	1 ppm	Dettie Kelly	Jak 2/22/95 3/22/95
5.	Sb INT.	2/22/95	#702	100 ul	100 mls	4% HNO_3	1 ppm	Dettie Kelly	3/22/95
6.	CCV/ICV(STD) ICZ	3/2/95	#694, #695 #756 #714	10 MLS 5 MLS 10 MLS ON TOP	1 l	5% HCl/1% HNO_3	*	Douglas L Lucas	10/1/95
7.	5100 INTS	3/6/95	#708 QC	5.0 mls	500 mls	2% HNO_3	All = 1.0 ppm Except Cd = 100.0 ppb	[signature]	4/6/95
8.	GFAA INT. 4100's	3/7/95	#708	5 mls	500 mls	2% HNO_3	All = 1.0 ppm except Cd = 100.0 ppb	[signature]	4/7/95

Reviewer Signature: [signature] Date: 3/8/95
* See Table I

Form II

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

Page: 72

Bk# 1276

	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	GFAA INT	3/7/95	#707	5 mls	500 mls	2% HNO_3	ALL = 1.0 ppm except Cd = 100.0 ppb	[signature]	4/7/95
2.	CRI (ICZ)	3/8/95	680 681 ~~696~~ 714	10 MLS ↓ 10 MLS ON TOP	1 l	5% HCl + 1% HNO_3	*	Douglas L Lucas	7/1/95
3.	ISA (ICZ)	3/8/95	746 ~~696~~ 714	100 MLS 10 MLS ON TOP	1 l	5% HCl + 1% HNO_3	*	Douglas L Lucas	1/1/96
4.	ICV/CCV ~~ICZ~~ (ICI)	3/9/95	694 695 756 713	10 mls 10 mls 5 mls 10 mls	1 l	1% HNO_3 5% HCl	*	[signature]	10/1/95
5.	5100 INT.	3/13/95	#707 STD.	5.0 MLS.	500.0 MLS.	2% HNO_3	ALL 1.0 PPM Cd = 100. PPb	[signature]	4/13/95
6.	ICP SPIKE SOLN.	3/16/95	#710 #755	100 mls ↓	1 l	4% HNO_3	*	Douglas L Lucas	1/1/96
7.	3030 Int Sb Std	3/17/95	699	0.1 ml	100 ml	2% HNO_3	1 ppm	[signature]	4/17/95
8.	3030 Int QC Sb 2.5	3/17/95	702	0.25 ml	100 ml	2% HNO_3	2.5 ppm	[signature]	4/17/95

Reviewer Signature: [signature] Date: 3/27/95
* See Table I

Form II

Weston-Gulf Coast Laboratories, Inc.
Metals Department
Intermediate Standard/Spiking Solution Preparation Log

Dec 1993

	Standard Name	Prep Date	Traceability ID	Initial Volume	Final Volume	Matrix	Final Conc.	Analyst	Expiration Date
1.	3030 Int QC Sb 35	3/17/95	702	0.35 ml	100 ml	2% HNO_3	3.5 ppm	[signature]	4/17/95
2.	3030 Int Std 1.00 ppm	3/17/95	707	10.00 ml	1000 ml	2% HNO_3	1.00 ppm	[signature]	4/17/95
3.	3030 Int QC 2.5 ppm	3/17/95	708	~~2.5~~ 3/17/95 ~~100~~ ml	100 ml	2% HNO_3	2.5 ppm	[signature]	4/17/95
4.	3030 Int QC 3.5 ppm	3/17/95	708	~~3.5~~ 3/17/95 ~~100~~ ml	100 ml	2% HNO_3	3.5 ppm	[signature]	4/17/95
5.	Sb INT	3/23/95	# 699	100 ml	100 ml	4% HNO_3	1 ppm	[signature]	DAK 3/23/95 4/23/95
6.	Sb INT	3/23/95	# 702	100 ml	100 ml	4% HNO_3	1 ppm	[signature]	4/23/95
7.	5100 INT	3/30/95	~~#706~~ QC	5.0 ML.	~~1000~~ 500 ML. BPH 3/30/95	2% HNO_3	ALL 10 PPM Cd = 100.0 PPB	[signature]	4/30/95
8.									

Reviewer Signature: _____ Date: _____

* See Table I

Form II

OP No. 21-21G-1505
Rev. 01; Eff. Date 12/15/94

WESTON Environmental Metrics, Inc.
ICAP/FAA Sample Digestion Record

848

igestion Date: 3/30/95 Digestion Batch No: 95GI566 Client: Techalloy
ompletion Date: 3/30/95 Type of Prep: ICP Method: 3050 CLP Matrix: Soil
rameters: ~~HS~~ APPTI (-As, Se, Pb, Tl) Type of Analysis: Total Continued From:
Start Time: 10:20

Sample Number ED 3/30/95 ED 3/30/95	Init. Wt/Vol g ml	Final Vol ml	pH <2>	% Solids	Parameters
503G001-00	1.05	200	N/A	85.7	
-017R	1.08	↓	↓	↓	
-017S	1.02				
-018	1.06			90.0	
-019	1.24			92.2	
-020	1.16			85.8	
-021	1.09			87.6	
-022	1.14			94.5	
PB1	1.0	200	N/A	100	
LCS1	↓	↓	↓	↓	
D3/30/95 ~~LCS2~~					

ED 3/30/95

Standard Traceability:
Matrix Spike/Std.ID#'s Added:
ICP Soln 1276-~~76-2~~ 2.0ml
-72-6 ED 3/30/95

LCS Spike / Std.ID#'s Added:
ICP Soln 1276-~~76-2~~ 2.0ml
-72-6 ED 3/30/95

Temperature Monitoring:

Hot Plate #	970	
Start Temp. C	94	
End Temp. C	95	

Preservative: Nitric Acid
Lot #: N/A
IP HNO_3: H39028
H_2O_2: G45910
IP HCl: H15043 GI56601

alyst : Eileen Dunk Date: 3/30/95 Updated: N.V.C 3/31/95
viewer: Nila V. Cheksi Date: 3/31/95 Page #: 71

WESTON OP No. 21-21G-1540 CLP - Sample Physical Description Log

Digestion Date: 3/30/95 Digestion Batch No: 95615616 Client: Tech Law

Refer to Book # 1832 Page 71 of the Sample Digestion Record

849

Sample Number	Color * Before	Color * After	Clarity ** Before	Clarity ** After	Texture *** Before	Texture *** After	Artifacts	Comments
95036001-0017	Brown	yellow	N/A	Clear	Medium	N/A		
-018	"	Colorless	"	"	"	"		
-019	"	"	"	"	"	"		
-020	"	yellow	"	"	"	"		
-021	"	"	"	"	"	"		
-022	"	Colorless	"	"	Coarse	"		
ED 3/30/95								

or Water Samples: Report Color and Clarity
or Soil Samples: Report Color; Texture; and Artifacts

ote any artifacts in the artifacts column.
ote any significant changes that occur during sample preparation (i.e. emulsion formation) in the omments Section.

Color: Red; Blue; Yellow; Green; Orange; Violet; White; Colorless; Brown; Grey; Black;
* Clarity: Clear; Cloudy; Opaque;
** Texture: Fine (powdery); Medium (sand); Coarse (large crystals or rocks);

nalyst: Eileen Quirk Date: 3/30/95 Page #: 186

Reviewer: Jodi L. Wojcik Date: 4/7/95

WESTON OP No. 21-21G-1540 CLP - Sample Physical Description Log

OP No. 21-21G-1505
Rev. 01; Eff. Date 12/15/94

WESTON Environmental Metrics, Inc.
ICAP/FAA Sample Digestion Record

gestion Date: 4/4/95 Digestion Batch No: 95GI580 Client: Techalloy
npletion Date: 4/4/95 Type of Prep: ICP Method: 3010CLP Matrix: Water
rameters: APP IC-Asse, Pb, Tl Type of Analysis: Total Continued From:
* Soluble Start Time: 10:15

850

Sample Number	Init. Wt/Vol g (ml)	Final Vol ml	pH <2>	% Solids	Parameters
503G001-001	50	50	<2	N/A	
-001R					
-001S					
* -002					
-002R					
-002S					
-003					
* -004					
-005					
* -006					
-007					
* -008					
-009					
* -010					
-011					
* -012					
-013					
* -014					
-015					
* -016					
PB1	50	50	<2	N/A	
LCS1					
4/4/95 ~~LCS2~~					

Standard Traceability:
Matrix Spike/Std.ID#'s Added:
ICP Soln 1276-72-6 500µl

LCS Spike / Std.ID#'s Added:
ICP Soln 1276-72-6 500µl

Temperature Monitoring:

Hot Plate	#	1256	
Start Temp.	C	95	
End Temp.	C	95	

Preservative: Nitric Acid
Lot #: N/A

IPHNO3: H39028
IPHCl: H15043

GI58001
GI58002

nlyst: Eileen Dunk Date: 4/4/95 Updated: NVC 4/4/95

viewer: Nila v Cheksi Date: 4/4/95 Page #: 85

WESTON OP No. 21-21G-1540

CLP - Sample Physical Description Log

Digestion Date: 4/4/95 Digestion Batch No: 95GI580 Client: Techalloy

Refer to Book # 1832 Page 85 of the Sample Digestion Record

851

Sample Number	Color * Before	Color * After	Clarity ** Before	Clarity ** After	Texture *** Before	Texture *** After	Artifacts	Comments
95036001-001	Brown	Yellow	Cloudy	Opaque	N/A	N/A		
-002	Colorless	Colorless	Clear	Clear				
-003	Brown	Yellow	Cloudy	Opaque				
-004	Colorless	Colorless	Clear					
-005	Brown	Yellow	Cloudy	Opaque				
-006	Colorless	Colorless	Clear					
-007	Brown	Yellow	Opaque					
-008	Colorless	Colorless	Clear					
-009	Brown	Yellow	Opaque					
-010	Colorless	Colorless	Clear					
-011	Brown	Yellow	Opaque					
-012	Colorless	Colorless	Clear					
-013	Brown	Yellow	Opaque					
-014	Colorless	Colorless	Clear					
-015	↓	↓	↓	↓	↓	↓		
-016								
ED 4/4/95								

For Water Samples: Report Color and Clarity
For Soil Samples: Report Color; Texture; and Artifacts

Note any artifacts in the artifacts column.
Note any significant changes that occur during sample preparation (i.e. emulsion formation) in the Comments Section.

* Color: Red; Blue; Yellow; Green; Orange; Violet; White; Colorless; Brown; Grey; Black;
** Clarity: Clear; Cloudy; Opaque;
*** Texture: Fine (powdery); Medium (sand); Coarse (large crystals or rocks);

Analyst: Date: 4/4/95 Page #: 196

Reviewer: Date: 4/4/95

Reviewer: Nila v Cheksi Date: 3/31/95 Page #: 94

OP No. 21-21G-1504
Rev. 01; Eff. Date 12/14/94

WESTON Environmental Metrics, Inc.
GFAA Sample Digestion Record

Digestion Date: 3/30/95 Digestion Batch No: 95GF735 Client: Techalloy
Completion Date: 3/30/95 Type of Prep: AA Method: 3050 CLP Matrix: Soil
Parameters: As, Se, Pb, Tl Type of Analysis: Total Continued From:
Start Time: 10:15

Sample Number	Init. Wt/Vol g ml	Final Vol ml	pH <2>	% Solids	Parameters
95036-001-017	1.02	200	N/A	85.7	
-017R	1.02				
-017S	1.10				
-018	1.10			90.0	
-019	1.25			92.2	
-020	1.08			85.8	
-021	1.02			87.6	
-022	1.11			94.5	
PB1	1.0	200	N/A	100	
LCS1					
~~LCS2~~					

ED 3/30/95

ED 3/30/95

Standard Traceability:
Matrix Spike/Std.ID#'s Added:
GFAA Soln 1276-65-5 2.0ml

LCS Spike / Std.ID#'s Added:
GFAA Soln 1276-65-5 2.0ml

Temperature Monitoring:

Hot Plate #	1023	
Start Temp. C	93	
End Temp. C	95	

Preservative: Nitric Acid
Lot #: N/A
IP HNO_3: H39028
H_2O_2: G45910

GF73501

Analyst: Eileen Dunk Date: 3/~~2~~30/95 Updated: NVC 3/31/95
Reviewer: Nila v Cheksi Date: 3/31/95 Page #: 95

WESTON OP No. 21-21G-1540 CLP - Sample Physical Description Log

Digestion Date: 3/30/95 Digestion Batch No: 950F735 Client: Techally

Refer to Book # 1825 Page 95 of the Sample Digestion Record

Sample Number	Color * Before	Color * After	Clarity ** Before	Clarity ** After	Texture *** Before	Texture *** After	Artifacts	Comments
95036-001-017	Brown	Yellow	N/A	Clear	Medium	N/A		
~~3/30/95 -018~~								
-018		Colorless		Clear				
-019		Yellow						
-020								
-021								
-022		Colorless			Coarse			

ED 3/30/95

For Water Samples: Report Color and Clarity
For Soil Samples: Report Color; Texture; and Artifacts

Note any artifacts in the artifacts column.
Note any significant changes that occur during sample preparation (i.e. emulsion formation) in the Comments Section.

* Color: Red; Blue; Yellow; Green; Orange; Violet; White; Colorless; Brown; Grey; Black;
** Clarity: Clear; Cloudy; Opaque;
*** Texture: Fine (powdery); Medium (sand); Coarse (large crystals or rocks);

Analyst: Eileen Quinn Date: 3/30/95 Page #: ~~184~~ 853

Reviewer: Jodi L Wojcik Date: 4/4/95

WESTON OP No. 21-21G-1540 CLP - Sample Physical Description Log

OP No. 21-21G-1504
Rev. 01; Eff. Date 12/14/94

WESTON Environmental Metrics, Inc.
GFAA Sample Digestion Record

Digestion Date: 4/4/95 Digestion Batch No: 95GF745 Client: Technology
Completion Date: 4/4/95 Type of Prep: AA Method: 3020 CLP Matrix: Water
Parameters: As, Se, Pb, Tl Type of Analysis: Total *Soluble Continued From:
Start Time: 10:15

Sample Number	Init. Wt/Vol g (ml)	Final Vol ml	pH <2>	% Solids	Parameters
9503G001-001	50	50	<2	N/A	
-001R					
-001S					
* -002					
-002R					
-002S					
-003					
* -004					
-005					
* -006					
-007					
* -008					
009					
* -010					
-011					
* -012					
-013					
* -014					
-015					
* -016					
ED 4/4/95					
PB1	50	50	<2	N/A	
LCS1					
ED 4/4/95 LCS2					

Standard Traceability:
Matrix Spike/Std.ID#'s Added:
GFAA Soln 1276-65-5 500µl

LCS Spike / Std.ID#'s Added:
GFAA Soln 1276-65-5 500µl

Temperature Monitoring:

Hot Plate #	889	
Start Temp. C	95	
End Temp. C	95	

Preservative: Nitric Acid
Lot #: N/A
IP HNO_3: H39028
H_2O_2: G45910
GF74501
GF74502

Analyst: Eileen Dunk Date: 4/4/95 Updated: N.V.C 4/4/95
Review: Jodi L Wojcik Date: 4/4/95 Page #: 195

4

Reviewer: Jodi L Wojcik Date: 4/4/95

WESTON OP No. 21-21G-1540

CLP - Sample Physical Description Log

Digestion Date: 4/4/95 Digestion Batch No: 95GF745 Client: Techa Boy

Refer to Book # 1825 Page 105 of the Sample Digestion Record

855

Sample Number	Color * Before	Color * After	Clarity ** Before	Clarity ** After	Texture *** Before	Texture *** After	Artifacts	Comments
95036001-001	Brown	yellow	Opaque	clear	N/A	N/A		
-002	Colorless	Colorless	Clear					
-003	Brown	yellow	Opaque					
-004	Colorless	Colorless	Clear					
-005	Brown	yellow	Opaque					
-006	Colorless	Colorless	Clear					
-007	Brown	yellow	Opaque					
-008	Colorless	Colorless	Clear					
-009	Brown	yellow	Opaque					
-010	Colorless	Colorless	Clear					
-011	Brown	yellow	Opaque					
-012	Colorless	Colorless	Clear					
-013	Brown	yellow	Opaque					
-014	Colorless	Colorless	Clear					
-015								
-016								
~~-017~~								
ED 4/4/95 -018								

For Water Samples: Report Color and Clarity
For Soil Samples: Report Color; Texture; and Artifacts

Note any artifacts in the artifacts column.
Note any significant changes that occur during sample preparation (i.e. emulsion formation) in the Comments Section.

* Color: Red; Blue; Yellow; Green; Orange; Violet; White; Colorless; Brown; Grey; Black;
** Clarity: Clear; Cloudy; Opaque;
*** Texture: Fine (powdery); Medium (sand); Coarse (large crystals or rocks);

Analyst : Eileen [illegible] / Rada Dorri Date: 4/4/95 Page #: 197

Reviewe Jodi L Wojcik Dr : 4/4/95

Weston-Gulf Coast Laboratories, Inc.
% Sol./ % Ash / % Vol. / % Mst.

Method: Solids - 2540 G, Std. Methods 17Ed. LIMS Batch: 95GTS169

Codes:

TARE	= B
WET	= C
DRY	= A
MUFFLE	= D

Calculations:

% Solids = (A - B) / (C - B) X 100
% Ash "A" = (D - B) / (C - B) X 100
% Ash "D" = (D - B) / (A - B) X 100
% Volatiles = (A - D) / (A - B) X 100
% Moisture = 100 - % Solids

INSTRUMENT CHECKS

Control Limits: 10 +/-0.0005 g | 103-105°C | 550 +/-50°C

Balance #	Gram Wt.	Reading	Oven #	Pre Temp\Post Temp	Furnace #	Furnace Temp
253	10.0	10.0001	225	104.8°C 108.8°C		

I have verified that the weights obtained by the balance interface software match the readings from the analytical balance listed above.

Analyst Signature: Jonalee Lucas Date: 3/30/95

Reviewer Signature: Julie G Bullock Date: 3/30/95

RFW	Dish	Tests	Result (%)	RPD	Weight Name	Weights (grams)	Date	Time	Analyst
95GTS169-MB1	1	I%SOL	0.0		TARE:1.2879				
					WET:13.5292		03/30/95	09:51:48	JL
					DRY:1.2874		03/30/95	15:42:10	JL
9503G001-017	2	I%SOL	85.7		TARE:1.2827				
					WET:12.7074		03/30/95	09:53:06	JL
					DRY:11.0739		03/30/95	15:45:26	JL
9503G001-017R	3	I%SOLR	85.2	0.6	TARE:1.2807				
					WET:11.3247		03/30/95	09:54:36	JL
					DRY:9.8403		03/30/95	15:46:16	JL
9503G001-018	4	I%SOL	90.0		TARE:1.2776				
					WET:11.0651		03/30/95	09:55:48	JL
					DRY:10.0870		03/30/95	15:46:38	JL
9503G001-019	5	I%SOL	92.2		TARE:1.2765				
					WET:11.9301		03/30/95	09:56:55	JL
					DRY:11.0980		03/30/95	15:48:20	JL
9503G001-020	6	I%SOL	85.8		TARE:1.2789				
					WET:11.9016		03/30/95	09:58:21	JL
					DRY:10.3895		03/30/95	15:47:00	JL

Weston-Gulf Coast Laboratories, Inc.
% Sol. / % Ash / % Vol. / % Mst.

LIMS Batch: 95GTS169

RFW	Dish	Tests	Result (%)	RPD	Weight Name	Weights (grams)	Date	Time	Analyst
9503G001-021	7	I%SOL	87.6		TARE:	1.2794			
					WET:	13.0614	03/30/95	09:59:57	JL
					DRY:	11.5990	03/30/95	15:44:56	JL
9503G001-022	8	I%SOL	94.5		TARE:	1.2806			
					WET:	12.6783	03/30/95	10:01:18	JL
					DRY:	12.0483	03/30/95	15:45:51	JL
9503G004-001	14	I%SOL	83.1		TARE:	1.2907			
					WET:	11.7016	03/30/95	10:16:10	JL
					DRY:	9.9414	03/30/95	15:49:33	JL
9503G004-002	15	I%SOL	99.7		TARE:	1.2939			
					WET:	12.9945	03/30/95	10:18:39	JL
					DRY:	12.9629	03/30/95	15:47:26	JL
9503G004-003	16	I%SOL	93.4		TARE:	1.2893			
					WET:	12.8388	03/30/95	10:20:35	JL
					DRY:	12.0754	03/30/95	15:49:04	JL
9503G942-016	9	I%SOL	64.3		TARE:	1.2839			
					WET:	15.1072	03/30/95	10:05:52	JL
					DRY:	10.1739	03/30/95	15:50:22	JL
9503G942-016R	10	I%SOLR	72.6	12.1	TARE:	1.2875			
					WET:	12.3465	03/30/95	10:09:39	JL
					DRY:	9.3158	03/30/95	15:50:56	JL
9503G968-001	11	I%SOL	80.0		TARE:	1.2859			
					WET:	13.9796	03/30/95	10:10:57	JL
					DRY:	11.4361	03/30/95	15:49:58	JL
9503G973-006	12	I%SOL	53.6		TARE:	1.2834			
					WET:	13.7182	03/30/95	10:12:18	JL
					DRY:	7.9519	03/30/95	15:48:41	JL
9503G973-007	13	I%SOL	36.9		TARE:	1.2877			
					WET:	11.8562	03/30/95	10:13:56	JL
					DRY:	5.1856	03/30/95	15:47:52	JL

*** End of % Solids Report ***

VOLATILES BY GC/MS DATA PACKAGE
TECHALLOY
RFW# 9503G001

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Chain of Custody 02
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1. Tabulated Results (Form I)
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a. Reconstructed Ion Chromatograms
b. Quantitation Reports
D. Run Log Summary

GC/MS Section Manager

4-25-95
Date

Weston Environmental Metrics, Inc.
VOA ANALYTICAL DATA PACKAGE FOR
Techalloy

RFW LOT # :9503G001

CLIENT ID	RFW #	MTX	PREP #	COLLECTN DATE	REC DATE	EXT/PREP	ANALYSIS
TC2-CP11-GWS	001	W	95GVB076	03/28/95	03/29/95	N/A	04/09/95
TC2-CP11-GWS	001 MS	W	95GVB076	03/28/95	03/29/95	N/A	04/09/95
TC2-CP11-GWS	001 MSD	W	95GVB076	03/28/95	03/29/95	N/A	04/10/95
TC2-CP11-GWD	003	W	95GVB076	03/28/95	03/29/95	N/A	04/10/95
TC2-CP12-GWS	*005*	*W*	*95GVB076*	*03/28/95*	*03/29/95*	*N/A*	*04/10/95*
TC2-CP12-GWD	007	W	95GVB076	03/28/95	03/29/95	N/A	04/10/95
TC2-CP12-GWD-DP	009	W	95GVB076	03/28/95	03/29/95	N/A	04/10/95
TC2-CP13-GWS	011	W	95GVB076	03/27/95	03/29/95	N/A	04/10/95
TC2-CP13-GWS	011 D1	W	95GVB079	03/27/95	03/29/95	N/A	04/11/95
TC2-CP13-GWS	011 D2	W	95GVB080	03/27/95	03/29/95	N/A	04/12/95
TC2-CP13-GWD	013	W	95GVB076	03/27/95	03/29/95	N/A	04/10/95
TC2-CP11-GWD-FB	015	W	95GVB079	03/28/95	03/29/95	N/A	04/11/95
TC2-CP11-GWD-FB	015 R1	W	95GVB080	03/28/95	03/29/95	N/A	04/12/95
TC2-CP11-SBS	*017*	*S*	*95GVF083*	*03/28/95*	*03/29/95*	*N/A*	*04/05/95*
TC2-CP11-SBS	017 MS	S	95GVF087	03/28/95	03/29/95	N/A	04/10/95
TC2-CP11-SBS	017 MSD	S	95GVF087	03/28/95	03/29/95	N/A	04/10/95
TC2-CP11-SBD	018	S	95GVF087	03/28/95	03/29/95	N/A	04/10/95
TC2-CP12-SBS	019	S	95GVF087	03/28/95	03/29/95	N/A	04/10/95
TC2-CP12-SBD	020	S	95GVF087	03/28/95	03/29/95	N/A	04/10/95
TC2-CP13-SBS	021	S	95GVF087	03/27/95	03/29/95	N/A	04/10/95
TC2-CP13-SBD	022	S	95GVF087	03/27/95	03/29/95	N/A	04/10/95
LAB QC:							
VBLK	MB1	W	95GVB076	N/A	N/A	N/A	04/09/95
VBLK	MB1 BS	W	95GVB076	N/A	N/A	N/A	04/09/95
VBLK	MB1 BSD	W	95GVB076	N/A	N/A	N/A	04/10/95
VBLK	MB1	W	95GVB079	N/A	N/A	N/A	04/11/95
VBLK	MB1 BS	W	95GVB079	N/A	N/A	N/A	04/11/95
VBLK	MB1	W	95GVB080	N/A	N/A	N/A	04/11/95
VBLK	MB1 BS	W	95GVB080	N/A	N/A	N/A	04/12/95
VBLK	MB1 BSD	W	95GVB080	N/A	N/A	N/A	04/12/95
VBLK	MB1	S	95GVF083	N/A	N/A	N/A	04/05/95
VBLK	MB1 BS	S	95GVF083	N/A	N/A	N/A	04/05/95
VBLK	MB1 BSD	S	95GVF083	N/A	N/A	N/A	04/05/95
VBLK	MB1	S	95GVF087	N/A	N/A	N/A	04/10/95
VBLK	MB1 BS	S	95GVF087	N/A	N/A	N/A	04/10/95
VBLK	MB1 BSD	S	95GVF087	N/A	N/A	N/A	04/10/95

NY CERTIFICATION # 11006

CHAIN OF CUSTODY

Custody Transfer Record/Lab Work Request

Pg. 1 of 2

WESTON

WESTON Analytics Use Only
95036001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected	Refrigerator#	P	P	CLP	CLP	CLP				
				#/Type Container	3/G	3/G	Yp	Yp	Yp				
				Volume	40ml	40ml	1L	1L	1L				
				Preservative	X	X	X	X					
				ANALYSES REQUESTED	VOA 624N	VOA 624N	TOTAL IX Metals	SOL IX Metals	TSS	REDD			
001	TC2-CP11-GWS MS/MSD	W	3/28/95		X		X		X	X			
002	" " " "	"	"					X					
003	" " GWD	"	"		X		X		X				
004	" " " "	"	"					X					
005	" CP12-GWS	"	"			X	X		X				
006	" "	"	"					X					
007	" " GWD	"	"		X		X		X				
008	" " "	"	"					X					
009	" " GWD-DP	"	"		X		X		X				
010	" " "	"	"					X					
011	" CP13-GWS	"	3/27/95			X	X		X				
012	" "	"	"					X					
013	" " GWD	"	"			X	X		X				
014	" " "	"	"					X					
015	" CP11-GWD-FB	"	3/28/95		X		X		X				

Matrix: W - Water, DS - Drum Solids, X - Other; S - Soil, O - Oil, DL - Drum Liquids; SE - Sediment, A - Air, F - Fish; SO - Solid, WI - Wipe, L - EP/TCLP Leachate

Special Instructions: CLP

2X Volume For ms/msD VOA's

Item/Reason	Relinquished by	Received by	Date	Time
		P. Gould	3/29/95	1240
1-15 all 17-22 VOA	P. Gould	[illegible]	3/30/95	1320
17-22 Metals	P. Gould	Eileen [illegible]	3/30/95	0800
1-16 Hg/Metals	P. Gould	Cheryl Boyd	3/31/95	0940
17-22 Hg/Metals	Eileen [illegible]	[illegible]	3/30/95	0945
11-22 %SI TSS	[illegible]	[illegible]	3/30/95	1030

Item/Reason	Relinquished by	Received by	Date	Time
1-22 Hg/Metals	Cheryl Boyd	[illegible]	3/30/95	1100
11,13 TSS	[illegible]	[illegible]	3/31/95	10:10
11,13 TSS	[illegible]	[illegible]	3/31/95	14:25
1 Hg	[illegible]	Cheryl Boyd	4/3/95	0910
1 Hg	Cheryl Boyd	[illegible]	4/3/95	1350
135,79,11,15 TSS	[illegible]	[illegible]	4/3/95	1600

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed)
Y N
NOTES: SEE SDR

4 Properly Preserved (Labels Indicate)
Y N
NOTES:

5 Received Within Holding Times
Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7-115

Custody Transfer Record/Lab Work Request

Pg. 2 of 2

WESTON

WESTON Analytics Use Only
95036001

Client: Techalloy
Work Order: 01989-009-002
Date Rec'd.: 3/29/95 Date Due: 4/12/95
RFW Contact: Jane Huber
Client Contact/Phone: Carlos Serna

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected	Refrigerator#	CLP	P	CLP						
				#/Type Container	YP	YG	YG						
				Volume	1L	2oz	4oz						
				Preservative	X								
				ANALYSES REQUESTED	SOL II metals	VOA 624/N	II metals ob SOL						
016	TC2-CP11-GWD-FB	W	3/28/95		X								
017	CP11-SBS ms/msd	S				X	X						
018	SBD												
019	CP12-SBS												
020	SBD												
021	CP13-SBS		3/27/95										
022	SBD												
023	TB	W											

PS 3/29/95

Matrix: W - Water; S - Soil; SE - Sediment; SO - Solid; O - Oil; A - Air; WI - Wipe; DS - Drum Solids; DL - Drum Liquids; F - Fish; L - EP/TCLP Leachate; X - Other

Special Instructions: CLP 2X Volume For ms/msd VOA's

Item/Reason	Relinquished by	Received by	Date	Time
		P. Spaulding	3/29/95	1240
1,3,5,7,9,11,15 TSS	[illegible]	[illegible]	4/3/95	18 30
1-Diss Metals	P. Spaulding	[illegible]	4/4/95	0830
1-Hg metals	E. Bolton	[illegible]	4/4/95	1150

Item/Reason	Relinquished by	Received by	Date	Time

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed)
Y N
NOTES: See SDR

4 Properly Preserved (Labels Indicate)
Y N
NOTES:

5 Received Within Holding Times
Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7-115

WESTON Analytics Use Only

95036C01

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client: Techalloy
Est. Final Proj. Sampling Date: 3/29/95
Work Order #: 01989-009-002
Project Contact/Phone #: Carlos Serna/Jameel X4021
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																							
#/Type Container	Liquid	Glass													Plastic		Plastic	Plastic					
	Solid																						
Volume	Liquid	40ml													1L		1L	1L					
	Solid																						
Preservatives		HCl													HNO3		HNO3	—					
ANALYSES REQUESTED →		ORGANIC													INORG								
		VOA	BNA	Pest/PCB	Herb										Metal	CN	Metals						
		WESTON Analytics Use Only																					
		8240 Avinylene													Total		Dissolved	TSS					
001,2	TC2-CP11-GWS	✓	✓	W	3/28	1130	✓								✓		✓	✓					
003,4	TC2-CP11-GWD				3/28	1230	✓								✓		✓	✓					
005,6	TC2-CP12-GWS				3/28	845	✓								✓		✓	✓					
007,8	TC2-CP12-GWD				3/28	910	✓								✓		✓	✓					
009,10	TC2-CP12-GWD-DP				3/28	910	✓								✓		✓	✓					
011,12	TC2-CP13-GWS				3/27	1300	✓								✓		✓	✓					
013,14	TC2-CP13-GWD				3/27	1355	✓								✓		✓	✓					
	~~Field Trip Blank~~			~~W~~	~~3/28~~	—	~~✓~~																
015,16	TC2-CP11-GWD-FB			W	3/28	1230	✓								✓		✓	✓					

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

* Metals are Appendix IX

DATE/REVISIONS:
1.
2.
3.
4.
5.
6.

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Jameel	Gulf Coast	3/29/95	0938				
	[illegible]	3/29/95	1010				

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N SEE SDR
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

5

WESTON Analytics Use Only

9503G001

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 1

Client: Technology
Est. Final Proj. Sampling Date: 3/29/95
Work Order #: 01989-009-002
Project Contact/Phone #: Carlos Serra / Jamel x4021
AD Project Manager:
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																			
#/Type Container	Liquid	Glass										Glass							
	Solid																		
Volume	Liquid	2oz										4oz							
	Solid																		
Preservatives		-																	
ANALYSES REQUESTED →		ORGANIC										INORG							
		VOA	BNA	Pest/PCB	Herb							Metal	CN						
		WESTON Analytics Use Only																	
		8240 AV mg/ml										Agg IX							

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected 95	Time Collected	8240 AV mg/ml							Agg IX							
017	TC2-CP11-SBS	✓	✓	S	3/28	~~950~~ 1150	✓							✓							
018	TC2-CP11-SBD				3/28	~~1000~~ 1100	✓							✓							
019	TC2-CP12-SBS				3/28	820	✓							✓							
020	TC2-CP12-SBD				3/28	828	✓							✓							
021	TC2-CP13-SBS				3/27	950	✓							✓							
022	TC2-CP13-SBD				3/27	1000	✓							✓							

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

DATE/REVISIONS:
~~023~~ 1. TB prep date 3/29/95 PS 3/29/95
2.
3.
4.
5.
6.

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered X
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Relinquished by	Received by	Date	Time
[signature]	Gulfcoast	3/29/95	938
[signature]	[signature]	3/29/95	1010

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Labels and COC Record? Y or N PS
NOTES: TB not listed 3/29/95

Sample Discrepancy Report (SDR) OP No. 21-21G-0007 WESTON

LOG / PM / SM	Initiator: P. Spaulding	RFW # 95036001	Send Response to:
	Date: 3/29/95	Analyses: VOA	Name:
	Client: Techalloy		Address:
	Contact: Carlos / Jameel	Matrix: Water	
	Site: Union, IL	Prep Batch: —	
	Phone # 918-4002	Date Needed: 3-29-95	Phone:
	FAX # 918-4053	Project Type (circle) CLP STD Other	FAX:

JOH

PM / LOG — 1. Type of Sample Deficiency:

- ___ Sample ID Discrepancy
- ___ Client Changed Request
- ___ Received Past Hold Time
- ___ Improper Preservative
- ___ Missing Sample / Extract
- ___ Analyzed Past Hold Time
- ___ Sampler C-O-C Error
- ___ Label ID Unreadable
- ___ Include in Narrative
- ___ Improper Bottle Type
- ___ Insufficient Sample
- ___ Container Broken
- ___ Log-in Error
- ___ Date Discrepancy
- X Bubbles in VOAs

2. Special Problem

	Lab ID	Client ID	Test	Deficiency/Discrepancy
1.	013	TC2-CP13-GWD	VOA	Lg. bubbles in all vials, sample contains
2.				large amount of sediment.
3.				
4.				GC/MS - use vials with
5.				least headspace —
6.				
7.				
8.				

Initiator Sign: P. Spaulding Date: 3/29/95 PM Sign: [signature] Date: 3-29-95

LOG / RG — 3. PM, RG, & SM Establish an Action Plan:

- ___ Cancel
- ___ Add
- ___ Extract & Hold
- ___ Subcontract
- ___ Analyze Past Hold Time
- ___ QC on Sample _____: Org – Inorg
- ___ Preserve in Lab then Analyze
- ___ Change Test Code to: _____
- ___ Change Due Date to: _____

4. Special Action

Name:	Actions Required:	4. Actions Completed Initials:	Date:
1. GC/MS	use vials with least headspace first	JK	3-29-95
2.	analyze ASAP		
3. J. Huber	FAX SDR to Jameel Ahmed/C. Serna	JOH	3-29-95
4.			
5.			
6.			
7.			
8.			

RG — 5. Acknowledge receipt and acceptance of Copies:

Initials:	Date:	Initials:	Date:
1.		4.	
2.		5.	
3.		6.	

RG Signature: Date:

PM — 6. Final Approval of All Actions Taken:

Comments: X Send Copy to Client

Signature: [signature] Date: 3-29-95

7. For Quality Improvement Measurement Only:

Final Distribution – Attach original to worksheet and send a copy to QA 3/29/95

Revision Date: 1/19/94

DATA SUMMARY

WESTON®
MANAGERS DESIGNERS/CONSULTANTS

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-GWS
Project # 01989-009-002-0000
Lab ID: 9503G001-001
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	33	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	BRL	5	U
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Kroeber
5/15/95

Weston Environmental Metrics, Inc.
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Roy F. Weston, Incorporated
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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-001**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	10	5	
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	190	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L Korobka
5/15/95

Weston Environmental Metrics, Inc.
2417 Bond Street
University Park, Illinois 60466-3182
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-GWS
Project # 01989-009-002-0000
Lab ID: 9503G001-001
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

L Kovacs 5/15/95

WESTON®
MANAGERS DESIGNERS/CONSULTANTS

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2417 Bond Street
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Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-001**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L. Korolka 5/15/95

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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-001**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

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University Park, Illinois 60466-3182
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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-003**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	5	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	BRL	5	U
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Korobka
5/15/95

Weston Environmental Metrics, Inc.
2417 Bond Street
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Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-GWD
Project # 01989-009-002-0000
Lab ID: 9503G001-003
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	33	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L Korobka
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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-003**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Project # 01989-009-002-0000
Lab ID: **9503G001-003**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

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Date: Monday April 24th, 1995

RE: TC2-CP11-GWD
Project # 01989-009-002-0000
Lab ID: 9503G001-003
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

1 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

Volatile Compound	Retention Time	Estimated Concentration
Unknown	26.85	8 J

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-GWS
Project # 01989-009-002-0000
Lab ID: 9503G001-005
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	13	5	
1,2-Dichloroethene (total)	10	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	120	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Kosobka
5/15/95

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3 Hawthorn Parkway, Suite 400
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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-005**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	30	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Krooka
5/15/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-005**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-GWS
Project # 01989-009-002-0000
Lab ID: 9503G001-005
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L. Korobka 5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-005**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	4	5	J
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	57	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Kosobka
5/15/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	12	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Korobka
5/15/95

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Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Date: Monday April 24th, 1995

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Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L. Kosobka 5/15/95

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Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-007**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

1 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

Volatile Compound	Retention Time	Estimated Concentration
UNKNOWN HYDROCARBON	25.54	5 J

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD-DP**
Project # 01989-009-002-0000
Lab ID: **9503G001-009**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	5	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	68	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Kowalka
5/2 LK
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Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD-DP**
Project # 01989-009-002-0000
Lab ID: **9503G001-009**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	14	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Kaabba
5/15/95

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Project # 01989-009-002-0000
Lab ID: 9503G001-009
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L. Kosobka 5/15/95

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Date: Monday April 24th, 1995

RE: **TC2-CP12-GWD-DP**
Project # 01989-009-002-0000
Lab ID: **9503G001-009**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

2 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

Volatile Compound	Retention Time	Estimated Concentration
UNKNOWN HYDROCARBON	25.57	10 J
Unknown	26.88	6 J

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	35	10	
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	130	5	
1,1-Dichloroethane	E	5	
1,2-Dichloroethene (total)	E	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	E	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Korobka
5/15/95

Weston Environmental Metrics, Inc.
2417 Bond Street
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Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	140	5	J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	50	5	
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Korobka
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Lab ID: **9503G001-011**
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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

J. Krolka 5/15/95

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RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

1 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

Volatile Compound	Retention Time	Estimated Concentration
Unknown	25.22	6 J

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWS**
Project # 01989-009-002-0000
Lab ID: **9503G001-011 DL**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,1-Dichloroethane	340	25	
1,2-Dichloroethene (total)	650	25	
1,1,1-Trichloroethane	E	25	

L. Krolak 5/15/95

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Lab ID: **9503G001-011 DL**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,1,1-Trichloroethane	1900	50	

K. Krolke 5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP13-GWD**
Project # 01989-009-002-0000
Lab ID: **9503G001-013**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	13	5	
1,1-Dichloroethane	50	5	
1,2-Dichloroethene (total)	72	5	
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U J
1,1,1-Trichloroethane	250	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Kozlika
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Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	9	5	J
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U J
2-Hexanone	BRL	10	U J
Tetrachloroethene	BRL	5	U
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Korabka
5/15/95

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Project # 01989-009-002-0000
Lab ID: **9503G001-013**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U J
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U J
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

K. Kraska 5/15/95

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Project # 01989-009-002-0000
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Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/L

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD-FB**
Project # 01989-009-002-0000
Lab ID: **9503G001-015**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U J
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U J
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	BRL	5	U
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U J
2-Butanone	BRL	10	U
1,1,1-Trichloroethane	BRL	5	U
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Korolka
5/15/95

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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U
2-Hexanone	BRL	10	U
Tetrachloroethene	BRL	5	U
1,1,2,2-Tetrachloroethane	BRL	5	U J
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Kosolka
5/15/95

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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

L. Kolodka
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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U J
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L Kosolka 5/15/95

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Tentatively Identified Compounds

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Lab ID: **9503G001-015 RE**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U
Carbon Disulfide	BRL	5	U
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	BRL	5	U
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U J
2-Butanone	BRL	10	U
1,1,1-Trichloroethane	BRL	5	U
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

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Sample Date: 03/28/95
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Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U J LK
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U
4-Methyl-2-pentanone	BRL	10	U
2-Hexanone	BRL	10	U
Tetrachloroethene	BRL	5	U
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L Kroboka
5/15/95

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Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	500	U
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U J
Dichlorodifluoromethane	BRL	20	U J
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	50	U
3-Chloropropene	BRL	20	U
Methacrylonitrile	BRL	20	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2000	U J
1,2-Dibromoethane	BRL	20	U
1,1,1,2-Tetrachloroethane	BRL	10	U
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	20	U
1,2-Dibromo-3-chloropropane	BRL	20	U
2-Chloro-1,3-Butadiene	BRL	100	U

L. Korobka
5/15/95

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Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP11-GWD-FB**
Project # 01989-009-002-0000
Lab ID: **9503G001-015 RE**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/L

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	20	U
Ethylmethacrylate	BRL	20	U
Pentachloroethane	BRL	20	U

L. Korolika
5/15/95

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To: **Techalloy**
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-017**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	12	U
Bromomethane	BRL	12	U
Vinyl chloride	BRL	12	U
Chloroethane	BRL	12	U
Methylene Chloride	BRL	6	U
Acetone	20	12	~~B~~ U
Carbon Disulfide	BRL	6	U J
1,1-Dichloroethene	BRL	6	U
1,1-Dichloroethane	BRL	6	U
1,2-Dichloroethene (total)	BRL	6	U
Chloroform	BRL	6	U
1,2-Dichloroethane	BRL	6	U
2-Butanone	BRL	12	U J
1,1,1-Trichloroethane	BRL	6	U
Carbon Tetrachloride	BRL	6	U
Vinyl acetate	BRL	12	U
Bromodichloromethane	BRL	6	U

L. Korabka
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-017
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	6	U
cis-1,3-Dichloropropene	BRL	6	U
Trichloroethene	BRL	6	U
Dibromochloromethane	BRL	6	U
1,1,2-Trichloroethane	BRL	6	U
Benzene	BRL	6	U
trans-1,3-Dichloropropene	BRL	6	U
Bromoform	BRL	6	U
4-Methyl-2-pentanone	BRL	12	U J
2-Hexanone	BRL	12	U J
Tetrachloroethene	5	6	J
1,1,2,2-Tetrachloroethane	BRL	6	U
Toluene	BRL	6	U
Chlorobenzene	BRL	6	U
Ethylbenzene	BRL	6	U
Styrene	BRL	6	U
Xylene (total)	BRL	6	U J

L. Korobka 5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-017
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	580	U J
Acrylonitrile	BRL	120	U J
Trichlorofluoromethane	BRL	12	U
Dichlorodifluoromethane	BRL	23	U J
Acetonitrile	BRL	120	U
Iodomethane	BRL	12	U
Propionitrile (Ethyl Cyanide)	BRL	58	U J
3-Chloropropene	BRL	23	U
Methacrylonitrile	BRL	23	U J
Dibromomethane	BRL	12	U
Isobutyl alcohol	BRL	2300	U J
1,2-Dibromoethane	BRL	23	U J
1,1,1,2-Tetrachloroethane	BRL	12	U
1,2,3-Trichloropropane	BRL	12	U
trans-1,4-Dichloro-2-butene	BRL	23	U
1,2-Dibromo-3-chloropropane	BRL	23	U
2-Chloro-1,3-Butadiene	BRL	120	U

L. Kozdeba 5/15/95

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3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-017**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	23	U J
Ethylmethacrylate	BRL	23	U
Pentachloroethane	BRL	23	U

L. Kolodka 5/15/95

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3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP11-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-017
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

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Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	11	U
Bromomethane	BRL	11	U
Vinyl chloride	BRL	11	U
Chloroethane	BRL	11	U
Methylene Chloride	BRL	6	U
Acetone	BRL	11	U J
Carbon Disulfide	BRL	6	U J
1,1-Dichloroethene	BRL	6	U
1,1-Dichloroethane	BRL	6	U
1,2-Dichloroethene (total)	BRL	6	U
Chloroform	BRL	6	U
1,2-Dichloroethane	BRL	6	U
2-Butanone	BRL	11	U
1,1,1-Trichloroethane	BRL	6	U
Carbon Tetrachloride	BRL	6	U
Vinyl acetate	BRL	11	U
Bromodichloromethane	BRL	6	U

L. Korabka 5/15/95

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Date: Monday April 24th, 1995

RE: TC2-CP11-SBD
Project # 01989-009-002-0000
Lab ID: 9503G001-018
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	6	U
cis-1,3-Dichloropropene	BRL	6	U
Trichloroethene	BRL	6	U
Dibromochloromethane	BRL	6	U
1,1,2-Trichloroethane	BRL	6	U
Benzene	BRL	6	U
trans-1,3-Dichloropropene	BRL	6	U
Bromoform	BRL	6	U J
4-Methyl-2-pentanone	BRL	11	U
2-Hexanone	BRL	11	U
Tetrachloroethene	3	6	J
1,1,2,2-Tetrachloroethane	BRL	6	U
Toluene	BRL	6	U
Chlorobenzene	BRL	6	U
Ethylbenzene	BRL	6	U
Styrene	BRL	6	U
Xylene (total)	BRL	6	U

L. Krolopa
5/15/95

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Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	560	U
Acrylonitrile	BRL	110	U
Trichlorofluoromethane	BRL	11	U
Dichlorodifluoromethane	BRL	22	U
Acetonitrile	BRL	110	U
Iodomethane	BRL	11	U
Propionitrile (Ethyl Cyanide)	BRL	56	U
3-Chloropropene	BRL	22	U
Methacrylonitrile	BRL	22	U
Dibromomethane	BRL	11	U
Isobutyl alcohol	BRL	2200	U J
1,2-Dibromoethane	BRL	22	U
1,1,1,2-Tetrachloroethane	BRL	11	U
1,2,3-Trichloropropane	BRL	11	U
trans-1,4-Dichloro-2-butene	BRL	22	U
1,2-Dibromo-3-chloropropane	BRL	22	U
2-Chloro-1,3-Butadiene	BRL	110	U

Z. Krolikowski
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	22	U
Ethylmethacrylate	BRL	22	U
Pentachloroethane	BRL	22	U

L. Kolodka
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP11-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-018**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	11	U
Bromomethane	BRL	11	U
Vinyl chloride	BRL	11	U
Chloroethane	BRL	11	U
Methylene Chloride	BRL	5	U
Acetone	BRL	11	U J
Carbon Disulfide	BRL	5	U J
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	BRL	5	U
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	11	U
1,1,1-Trichloroethane	3	5	J
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	11	U
Bromodichloromethane	BRL	5	U

L. Korolko
5/15/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-019**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U J
4-Methyl-2-pentanone	BRL	11	U
2-Hexanone	BRL	11	U
Tetrachloroethene	3	5	J
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L. Krolak
5/15/95

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Date: Monday April 24th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	540	U
Acrylonitrile	BRL	110	U
Trichlorofluoromethane	BRL	11	U
Dichlorodifluoromethane	BRL	22	U
Acetonitrile	BRL	110	U
Iodomethane	BRL	11	U
Propionitrile (Ethyl Cyanide)	BRL	54	U
3-Chloropropene	BRL	22	U
Methacrylonitrile	BRL	22	U
Dibromomethane	BRL	11	U
Isobutyl alcohol	BRL	2200	U J
1,2-Dibromoethane	BRL	22	U
1,1,1,2-Tetrachloroethane	BRL	11	U
1,2,3-Trichloropropane	BRL	11	U
trans-1,4-Dichloro-2-butene	BRL	22	U
1,2-Dibromo-3-chloropropane	BRL	22	U
2-Chloro-1,3-Butadiene	BRL	110	U

L. Kolodka
5/15/95

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Date: Monday April 24th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	22	U
Ethylmethacrylate	BRL	22	U
Pentachloroethane	BRL	22	U

L Kaubek
5/15/95

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Date: Monday April 24th, 1995

RE: TC2-CP12-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-019
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

L Horalka
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: **TC2-CP12-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-020**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	12	U
Bromomethane	BRL	12	U
Vinyl chloride	BRL	12	U
Chloroethane	BRL	12	U
Methylene Chloride	BRL	6	U
Acetone	BRL	12	U J
Carbon Disulfide	BRL	6	U J
1,1-Dichloroethene	BRL	6	U
1,1-Dichloroethane	BRL	6	U
1,2-Dichloroethene (total)	BRL	6	U
Chloroform	BRL	6	U
1,2-Dichloroethane	BRL	6	U
2-Butanone	BRL	12	U
1,1,1-Trichloroethane	9	6	
Carbon Tetrachloride	BRL	6	U
Vinyl acetate	BRL	12	U
Bromodichloromethane	BRL	6	U

L. Korobka
5/15/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP12-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-020**
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	6	U
cis-1,3-Dichloropropene	BRL	6	U
Trichloroethene	BRL	6	U
Dibromochloromethane	BRL	6	U
1,1,2-Trichloroethane	BRL	6	U
Benzene	BRL	6	U
trans-1,3-Dichloropropene	BRL	6	U
Bromoform	BRL	6	U J
4-Methyl-2-pentanone	BRL	12	U
2-Hexanone	BRL	12	U
Tetrachloroethene	4	6	J
1,1,2,2-Tetrachloroethane	BRL	6	U
Toluene	BRL	6	U
Chlorobenzene	BRL	6	U
Ethylbenzene	BRL	6	U
Styrene	BRL	6	U
Xylene (total)	BRL	6	U

L Korabka
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-SBD
Project # 01989-009-002-0000
Lab ID: 9503G001-020
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	580	U
Acrylonitrile	BRL	120	U
Trichlorofluoromethane	BRL	12	U
Dichlorodifluoromethane	BRL	23	U
Acetonitrile	BRL	120	U
Iodomethane	BRL	12	U
Propionitrile (Ethyl Cyanide)	BRL	58	U
3-Chloropropene	BRL	23	U
Methacrylonitrile	BRL	23	U
Dibromomethane	BRL	12	U
Isobutyl alcohol	BRL	2300	U J
1,2-Dibromoethane	BRL	23	U
1,1,1,2-Tetrachloroethane	BRL	12	U
1,2,3-Trichloropropane	BRL	12	U
trans-1,4-Dichloro-2-butene	BRL	23	U
1,2-Dibromo-3-chloropropane	BRL	23	U
2-Chloro-1,3-Butadiene	BRL	120	U

Y. Kraska
5/15/95

WESTON
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Weston Environmental Metrics, Inc.
2417 Bond Street
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Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533
Fax: (708) 534-5211

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP12-SBD
Project # 01989-009-002-0000
Lab ID: 9503G001-020
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	23	U
Ethylmethacrylate	BRL	23	U
Pentachloroethane	BRL	23	U

L. Korobka
5/15/95

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Lab ID: 9503G001-020
Sample Date: 03/28/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

L Kovalka
5/15/95

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Vernon Hills, IL 60061

Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-021**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	11	U
Bromomethane	BRL	11	U
Vinyl chloride	BRL	11	U
Chloroethane	BRL	11	U
Methylene Chloride	BRL	6	U
Acetone	29	11	~~B~~ UJ
Carbon Disulfide	BRL	6	U J
1,1-Dichloroethene	BRL	6	U
1,1-Dichloroethane	BRL	6	U
1,2-Dichloroethene (total)	BRL	6	U
Chloroform	BRL	6	U
1,2-Dichloroethane	BRL	6	U
2-Butanone	BRL	11	U
1,1,1-Trichloroethane	3	6	J
Carbon Tetrachloride	BRL	6	U
Vinyl acetate	BRL	11	U
Bromodichloromethane	BRL	6	U

L. Kosolka
5/15/95

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Date: Monday April 24th, 1995

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Project # 01989-009-002-0000
Lab ID: 9503G001-021
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	6	U
cis-1,3-Dichloropropene	BRL	6	U
Trichloroethene	BRL	6	U
Dibromochloromethane	BRL	6	U
1,1,2-Trichloroethane	BRL	6	U
Benzene	BRL	6	U
trans-1,3-Dichloropropene	BRL	6	U
Bromoform	BRL	6	U J
4-Methyl-2-pentanone	BRL	11	U
2-Hexanone	BRL	11	U
Tetrachloroethene	BRL	6	U
1,1,2,2-Tetrachloroethane	BRL	6	U
Toluene	BRL	6	U
Chlorobenzene	BRL	6	U
Ethylbenzene	BRL	6	U
Styrene	BRL	6	U
Xylene (total)	BRL	6	U

L Kaolka
5/15/95

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Date: Monday April 24th, 1995

RE: **TC2-CP13-SBS**
Project # 01989-009-002-0000
Lab ID: **9503G001-021**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	570	U
Acrylonitrile	BRL	110	U
Trichlorofluoromethane	BRL	11	U
Dichlorodifluoromethane	BRL	23	U
Acetonitrile	BRL	110	U
Iodomethane	BRL	11	U
Propionitrile (Ethyl Cyanide)	BRL	57	U
3-Chloropropene	BRL	23	U
Methacrylonitrile	BRL	23	U
Dibromomethane	BRL	11	U
Isobutyl alcohol	BRL	2300	U J
1,2-Dibromoethane	BRL	23	U
1,1,1,2-Tetrachloroethane	BRL	11	U
1,2,3-Trichloropropane	BRL	11	U
trans-1,4-Dichloro-2-butene	BRL	23	U
1,2-Dibromo-3-chloropropane	BRL	23	U
2-Chloro-1,3-Butadiene	BRL	110	U

L McRobbie 5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP13-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-021
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	23	U
Ethylmethacrylate	BRL	23	U
Pentachloroethane	BRL	23	U

L. Dorbka
5/15/95

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Date: Monday April 24th, 1995

RE: TC2-CP13-SBS
Project # 01989-009-002-0000
Lab ID: 9503G001-021
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

L Kosolka 5/15/95

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Date: Monday April 24th, 1995

RE: **TC2-CP13-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-022**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Chloromethane	BRL	10	U
Bromomethane	BRL	10	U
Vinyl chloride	BRL	10	U
Chloroethane	BRL	10	U
Methylene Chloride	BRL	5	U
Acetone	BRL	10	U J
Carbon Disulfide	BRL	5	U J
1,1-Dichloroethene	BRL	5	U
1,1-Dichloroethane	BRL	5	U
1,2-Dichloroethene (total)	BRL	5	U
Chloroform	BRL	5	U
1,2-Dichloroethane	BRL	5	U
2-Butanone	BRL	10	U
1,1,1-Trichloroethane	9	5	
Carbon Tetrachloride	BRL	5	U
Vinyl acetate	BRL	10	U
Bromodichloromethane	BRL	5	U

L. Worska
5/15/95

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Attn: **Mr. Carlos Serna**

Date: Monday April 24th, 1995

RE: **TC2-CP13-SBD**
Project # 01989-009-002-0000
Lab ID: **9503G001-022**
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
1,2-Dichloropropane	BRL	5	U
cis-1,3-Dichloropropene	BRL	5	U
Trichloroethene	BRL	5	U
Dibromochloromethane	BRL	5	U
1,1,2-Trichloroethane	BRL	5	U
Benzene	BRL	5	U
trans-1,3-Dichloropropene	BRL	5	U
Bromoform	BRL	5	U J
4-Methyl-2-pentanone	BRL	10	U
2-Hexanone	BRL	10	U
Tetrachloroethene	1	5	J
1,1,2,2-Tetrachloroethane	BRL	5	U
Toluene	BRL	5	U
Chlorobenzene	BRL	5	U
Ethylbenzene	BRL	5	U
Styrene	BRL	5	U
Xylene (total)	BRL	5	U

L Korobka
5/15/95

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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP13-SBD
Project # 01989-009-002-0000
Lab ID: 9503G001-022
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Acrolein	BRL	520	U
Acrylonitrile	BRL	100	U
Trichlorofluoromethane	BRL	10	U
Dichlorodifluoromethane	BRL	21	U
Acetonitrile	BRL	100	U
Iodomethane	BRL	10	U
Propionitrile (Ethyl Cyanide)	BRL	52	U
3-Chloropropene	BRL	21	U
Methacrylonitrile	BRL	21	U
Dibromomethane	BRL	10	U
Isobutyl alcohol	BRL	2100	U J
1,2-Dibromoethane	BRL	21	U
1,1,1,2-Tetrachloroethane	BRL	10	U
1,2,3-Trichloropropane	BRL	10	U
trans-1,4-Dichloro-2-butene	BRL	21	U
1,2-Dibromo-3-chloropropane	BRL	21	U
2-Chloro-1,3-Butadiene	BRL	100	U

L Korotka
5/15/95

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Date: Monday April 24th, 1995

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Lab ID: 9503G001-022
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

VOLATILES BY GC/MS, APPENDIX IX LIST

Volatile Compound	Result	Reporting Limit	Flag
Methylmethacrylate	BRL	21	U
Ethylmethacrylate	BRL	21	U
Pentachloroethane	BRL	21	U

L. Krabbe
5/15/95

Weston Environmental Metrics, Inc.
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Attn: Mr. Carlos Serna

Date: Monday April 24th, 1995

RE: TC2-CP13-SBD
Project # 01989-009-002-0000
Lab ID: 9503G001-022
Sample Date: 03/27/95
Date Received: 03/29/95
Units: UG/KG

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

I. CASE NARRATIVE

Weston Environmental Metrics, Inc.
GC/MS Case Narrative

Techalloy
RFW# 9503G001
VOA DATA:

1. All initial analyses were performed within the Method hold times. REPREP analyses were required on samples 011 and 015. The reanalyses or dilutions were conducted just beyond the Method hold time.

2. All Method Blank target compounds were below Contract Required Quantitation Limits (CRQL). (**or five times the CRQL for the compounds acetone, methylene chloride, and 2-butanone).

3. All LCS (Method Blank Spike) recoveries and %RPD values in the volatile analyses were within Method QC limits. LCS samples 95GVF083-MB1T and 95GVF087-MB1T were analyzed just beyond the 12 hour tune limit.

4. Matrix Spike analyses were conducted on samples 9503G001-001 and 017. All recoveries and %RPD values were within Method QC limits.

5. All surrogate recoveries in the volatile analyses were within Method QC limits except for samples 011 and 015. Each of these samples was reanalyzed, 011 at a necessary dilution, and the surrogates were good. Both sets of data have been included.

6. All analyses were performed following SW846 Method 8240 and the data package has been prepared to comply with the USEPA CLP protocol OLM01.8 SOW 3/90. All of the internal standard areas and retention times have been labeled by name.

7. All of the samples were analyzed as either low level soils or waters and therefore normal detection limits apply. Secondary dilutions were necessary on sample 011 (1/5 & 1/10) in order to accurately quantitate several compounds. The soil samples are reported on a dry weight basis.

Jeff A. Kaczinski
GC/MS Section Manager

4-24-95
Date

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit or a tenatively identified compound (TIC)
NQ	Result was qualitatively confirmed, but not quantified
P	The percent difference between the results from two GC columns is greater than 25%, the lower of the two values is reported
SP	Blank Spike, Blank Spike Duplicate, Matrix Spike or Matrix Spike Duplicate
T	Compound was found in the TCLP extraction blank and the sample
U	Compound was not detected at or above the reporting limit
X	Other specific flags may be required to properly qualify the result
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
Batch	Identifies a specific extraction, digestion or preparation set (equivalent to Prep Batch)
CD	Calculation Factor used by the laboratory's Information Management System (LIMS)
Contract	Contract Laboratory Identification Code
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS/LC	Denotes Laboratory Control Standard
LAB ID	The full 12 character WESTON Laboratory Identification Number (equivalent to RFW#)
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
Reprep	Sample was reprepared and then reanalyzed
RFW#	The full 12 character WESTON Laboratory Identification Number (equivalent to LAB ID)
RFW Lot	The first 8 characters of the RFW#
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time/Retention Time Window
WO#	Work Order No. Weston Code used to define a specific clinet, job phase and task

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

II. QC Summary

Weston Environmental Metrics, Inc. (Gulf Coast)
VOLATILES BY GC/MS, APPENDIX IX LIST

RFW Batch Number: 9503G001 Client: Techalloy Work Order: 01989-009-002-0 Report Date: 04/24/95 12:57 Page: 1a

	Cust ID:	TC2-CP11-GWS	TC2-CP11-GWS	TC2-CP11-GWS	TC2-CP11-GWD	TC2-CP12-GWS	TC2-CP12-GWD
Sample Information	RFW#:	001	001 MS	001 MSD	003	005	007
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.0	1.0	1.0	1.0	1.0	1.0
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate Recovery	Toluene-d8	96 %	98 %	100 %	103 %	99 %	97 %
	4-Bromofluorobenzene	97 %	100 %	102 %	103 %	101 %	101 %
	1,2-Dichloroethane-d4	101 %	99 %	105 %	109 %	104 %	102 %
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		5 U	5 U	5 U	5 U	5 U	5 U
Acetone		10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	86 %	90 %	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	13	5 U
1,2-Dichloroethene (total)		33	32	34	5	10	4 J
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	120	57
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		10 J	84 %	85 %	5 UJ	5 UJ	5 UJ
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	95 %	96 %	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
2-Hexanone		10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Tetrachloroethene		190	190	200	33	30	12
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9503G001 Client: Techalloy Work Order: 01989-009-002-0 Page: 1b

Cust ID:	TC2-CP11-GWS	TC2-CP11-GWS	TC2-CP11-GWS	TC2-CP11-GWD	TC2-CP12-GWS	TC2-CP12-GWD
RFW#:	001	001 MS	001 MSD	003	005	007
Toluene	5 U	95 %	95 %	5 U	5 U	5 U
Chlorobenzene	5 U	94 %	93 %	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	500 UJ	500 U	500 U	500 UJ	500 UJ	500 UJ
Acrylonitrile	100 U	100 U	100 U	100 U	100 U	100 U
Trichlorofluoromethane	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Dichlorodifluoromethane	20 UJ	20 U	20 U	20 UJ	20 UJ	20 UJ
Acetonitrile	100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane	10 U	10 U	10 U	10 U	10 U	10 U
Propionitrile (Ethyl Cyanide)	50 U	50 U	50 U	50 U	50 U	50 U
3-Chloropropene	20 U	20 U	20 U	20 U	20 U	20 U
Methacrylonitrile	20 U	20 U	20 U	20 U	20 U	20 U
Dibromomethane	10 U	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,2-Dibromoethane	20 U	20 U	20 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
1,2,3-Trichloropropane	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,4-Dichloro-2-butene	20 U	20 U	20 U	20 U	20 U	20 U
1,2-Dibromo-3-chloropropane	20 U	20 U	20 U	20 U	20 U	20 U
2-Chloro-1,3-Butadiene	100 U	100 U	100 U	100 U	100 U	100 U
Methylmethacrylate	20 U	20 U	20 U	20 U	20 U	20 U
Ethylmethacrylate	20 U	20 U	20 U	20 U	20 U	20 U
Pentachloroethane	20 U	20 U	20 U	20 U	20 U	20 U

*= Outside of EPA CLP QC limits.

	Cust ID:	TC2-CP12-GWD-DP		TC2-CP13-GWS		TC2-CP13-GWS		TC2-CP13-GWS		TC2-CP13-GWD		TC2-CP11-GWD-FB	
Sample Information	RFW#:	009		011		011 DL		011 DL		013		015	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.0		1.0		5.0		10.0		1.0		1.0	
	Units:	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	97	%	127 *	%	95	%	98	%	97	%	102	%
	4-Bromofluorobenzene	98	%	123 *	%	101	%	109	%	102	%	111	%
	1,2-Dichloroethane-d4	104	%	136 *	%	107	%	106	%	114	%	116 *	%
Chloromethane		10	U	10	U	NA		NA		10	U	10	U
Bromomethane		10	U	10	U	NA		NA		10	U	10	U
Vinyl chloride		10	U	10	U	NA		NA		10	U	10	U
Chloroethane		10	U	35		NA		NA		10	U	10	UJ
Methylene Chloride		5	U	5	U	NA		NA		5	U	5	U
Acetone		10	UJ	10	UJ	NA		NA		10	UJ	10	UJ
Carbon Disulfide		5	U	5	U	NA		NA		5	U	5	UJ
1,1-Dichloroethene		5	U	130		NA		NA		13		5	U
1,1-Dichloroethane		5	U		E	340		NA		50		5	U
1,2-Dichloroethene (total)		5			E	650		NA		72		5	U
Chloroform		5	U	5	U	NA		NA		5	U	5	U
1,2-Dichloroethane		5	U	5	U	NA		NA		5	U	5	UJ
2-Butanone		10	UJ	10	UJ	NA		NA		10	UJ	10	U
1,1,1-Trichloroethane		68			E		E	1900		250		5	U
Carbon Tetrachloride		5	U	5	U	NA		NA		5	U	5	U
Vinyl acetate		10	U	10	U	NA		NA		10	U	10	U
Bromodichloromethane		5	U	5	U	NA		NA		5	U	5	U
1,2-Dichloropropane		5	U	5	U	NA		NA		5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	NA		NA		5	U	5	U
Trichloroethene		5	UJ	140	J	NA		NA		9	J	5	U
Dibromochloromethane		5	U	5	U	NA		NA		5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	NA		NA		5	U	5	U
Benzene		5	U	5	U	NA		NA		5	U	5	U
trans-1,3-Dichloropropene		5	U	5	U	NA		NA		5	U	5	U
Bromoform		5	U	5	U	NA		NA		5	U	5	U
4-Methyl-2-pentanone		10	UJ	10	UJ	NA		NA		10	UJ	10	U
2-Hexanone		10	UJ	10	UJ	NA		NA		10	UJ	10	U
Tetrachloroethene		14		50		NA		NA		5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	NA		NA		5	U	5	UJ

*= Outside of EPA CLP QC limits.

Cust ID:	TC2-CP12-GWD -DP		TC2-CP13-GWS		TC2-CP13-GWS		TC2-CP13-GWS		TC2-CP13-GWD		TC2-CP11-GWD -FB	
RFW#:	009		011		011 DL		011 DL		013		015	
Toluene	5	U	5	U	NA		NA		5	U	5	U
Chlorobenzene	5	U	5	U	NA		NA		5	U	5	U
Ethylbenzene	5	U	5	U	NA		NA		5	U	5	U
Styrene	5	U	5	U	NA		NA		5	U	5	U
Xylene (total)	5	U	5	U	NA		NA		5	U	5	U
Acrolein	500	UJ	500	UJ	NA		NA		500	UJ	500	U
Acrylonitrile	100	U	100	U	NA		NA		100	U	100	U
Trichlorofluoromethane	10	UJ	10	UJ	NA		NA		10	UJ	10	UJ
Dichlorodifluoromethane	20	UJ	20	UJ	NA		NA		20	UJ	20	UJ
Acetonitrile	100	U	100	U	NA		NA		100	U	100	U
Iodomethane	10	U	10	U	NA		NA		10	U	10	U
Propionitrile (Ethyl Cyanide)	50	U	50	U	NA		NA		50	U	50	U
3-Chloropropene	20	U	20	U	NA		NA		20	U	20	U
Methacrylonitrile	20	U	20	U	NA		NA		20	U	20	U
Dibromomethane	10	U	10	U	NA		NA		10	U	10	U
Isobutyl alcohol	2000	U	2000	U	NA		NA		2000	U	2000	U
1,2-Dibromoethane	20	U	20	U	NA		NA		20	U	20	U
1,1,1,2-Tetrachloroethane	10	UJ	10	UJ	NA		NA		10	UJ	10	U
1,2,3-Trichloropropane	10	U	10	U	NA		NA		10	U	10	U
trans-1,4-Dichloro-2-butene	20	U	20	U	NA		NA		20	U	20	U
1,2-Dibromo-3-chloropropane	20	U	20	U	NA		NA		20	U	20	U
2-Chloro-1,3-Butadiene	100	U	100	U	NA		NA		100	U	100	U
Methylmethacrylate	20	U	20	U	NA		NA		20	U	20	UJ
Ethylmethacrylate	20	U	20	U	NA		NA		20	U	20	U
Pentachloroethane	20	U	20	U	NA		NA		20	U	20	U

*= Outside of EPA CLP QC limits.

Weston Environmental Metrics, Inc. (Gulf Coast)
VOLATILES BY GC/MS, APPENDIX IX LIST

RFW Batch Number: 9503G001 Client: Techalloy Work Order: 01989-009-002-0 Report Date: 04/24/95 12:57 Page: 3a

Sample Information	Cust ID:	TC2-CP11-GWD-FB		TC2-CP11-SBS		TC2-CP11-SBS		TC2-CP11-SBS		TC2-CP11-SBD		TC2-CP12-SBS	
	RFW#:	015		017		017 MS		017 MSD		018		019	
	Matrix:	WATER		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.0		1.0		1.0		1.0		1.0		1.0	
	Units:	UG/L		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
		REPREP											
Surrogate Recovery	Toluene-d8	99	%	100	%	104	%	104	%	103	%	99	%
	4-Bromofluorobenzene	108	%	93	%	109	%	112	%	93	%	109	%
	1,2-Dichloroethane-d4	107	%	116	%	101	%	109	%	95	%	104	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	12	U	12	U	12	U	11	U	11	U
Bromomethane		10	U	12	U	12	U	12	U	11	U	11	U
Vinyl chloride		10	U	12	U	12	U	12	U	11	U	11	U
Chloroethane		10	U	12	U	12	U	12	U	11	U	11	U
Methylene Chloride		5	U	6	U	6	U	6	U	6	U	5	U
Acetone		10	U	20	~~B~~ U	12	U	12	U	11	U UJ	11	U UJ
Carbon Disulfide		5	U	6	U J	6	U	6	U	6	U UJ	5	U UJ
1,1-Dichloroethene		5	U	6	U	85	%	72	%	6	U	5	U
1,1-Dichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloroethene (total)		5	U	6	U	6	U	6	U	6	U	5	U
Chloroform		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloroethane		5	U J	6	U	6	U	6	U	6	U	5	U
2-Butanone		10	U	12	U J	12	U	12	U	11	U	11	U
1,1,1-Trichloroethane		5	U	6	U	6	U	6	U	6	U	3	J
Carbon Tetrachloride		5	U	6	U	6	U	6	U	6	U	5	U
Vinyl acetate		10	U	12	U	12	U	12	U	11	U	11	U
Bromodichloromethane		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloropropane		5	U	6	U	6	U	6	U	6	U	5	U
cis-1,3-Dichloropropene		5	U	6	U	6	U	6	U	6	U	5	U
Trichloroethene		5	U	6	U	87	%	77	%	6	U	5	U
Dibromochloromethane		5	U	6	U	6	U	6	U	6	U	5	U
1,1,2-Trichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
Benzene		5	U	6	U	92	%	82	%	6	U	5	U
trans-1,3-Dichloropropene		5	U	6	U	6	U	6	U	6	U	5	U
Bromoform		5	U	6	U	6	U	6	U	6	U J	5	U J
4-Methyl-2-pentanone		10	U	12	U J	12	U	12	U	11	U	11	U
2-Hexanone		10	U	12	U J	12	U	12	U	11	U	11	U
Tetrachloroethene		5	U	5	J	6	U	6	U	3	J	3	J
1,1,2,2-Tetrachloroethane		5	U	6	U	6	U	6	U	6	U	5	U

*= Outside of EPA CLP QC Limits.

Cust ID:	TC2-CP11-GWD -FB		TC2-CP11-SBS		TC2-CP11-SBS		TC2-CP11-SBS		TC2-CP11-SBD		TC2-CP12-SBS	
RFW#:	015 REPREP		017		017 MS		017 MSD		018		019	
Toluene	5	U	6	U	91	%	78	%	6	U	5	U
Chlorobenzene	5	U	6	U	90	%	77	%	6	U	5	U
Ethylbenzene	5	U	6	U	6	U	6	U	6	U	5	U
Styrene	5	U	6	U	6	U	6	U	6	U	5	U
Xylene (total)	5	U	6	UJ	6	U	6	U	6	U	5	U
Acrolein	500	U	580	UJ	580	U	580	U	560	U	540	U
Acrylonitrile	100	U	120	UJ	120	U	120	U	110	U	110	U
Trichlorofluoromethane	10	UJ	12	U	12	U	12	U	11	U	11	U
Dichlorodifluoromethane	20	UJ	23	UJ	23	U	23	U	22	U	22	U
Acetonitrile	100	U	120	U	120	U	120	U	110	U	110	U
Iodomethane	10	U	12	U	12	U	12	U	11	U	11	U
Propionitrile (Ethyl Cyanide)	50	U	58	UJ	58	U	58	U	56	U	54	U
3-Chloropropene	20	U	23	U	23	U	23	U	22	U	22	U
Methacrylonitrile	20	U	23	UJ	23	U	23	U	22	U	22	U
Dibromomethane	10	U	12	U	12	U	12	U	11	U	11	U
Isobutyl alcohol	2000	UJ	2300	UJ	2300	U	2300	U	2200	UJ	2200	UJ
1,2-Dibromoethane	20	U	23	UJ	23	U	23	U	22	U	22	U
1,1,1,2-Tetrachloroethane	10	U	12	U	12	U	12	U	11	U	11	U
1,2,3-Trichloropropane	10	U	12	U	12	U	12	U	11	U	11	U
trans-1,4-Dichloro-2-butene	20	U	23	U	23	U	23	U	22	U	22	U
1,2-Dibromo-3-chloropropane	20	U	23	U	23	U	23	U	22	U	22	U
2-Chloro-1,3-Butadiene	100	U	120	U	120	U	120	U	110	U	110	U
Methylmethacrylate	20	U	23	UJ	23	U	23	U	22	U	22	U
Ethylmethacrylate	20	U	23	UJ	23	U	23	U	22	U	22	U
Pentachloroethane	20	U	23	UJ	23	U	23	U	22	U	22	U

*= Outside of EPA CLP QC limits.

Weston Environmental Metrics, Inc. (Gulf Coast)
VOLATILES BY GC/MS, APPENDIX IX LIST

RFW Batch Number: 9503G001 Client: Techalloy Work Order: 01989-009-002-0 Report Date: 04/24/95 12:57 Page: 4a

	Cust ID:	TC2-CP12-SBD		TC2-CP13-SBS		TC2-CP13-SBD		VBLK		VBLK BS		VBLK BSD	
Sample Information	RFW#:	020		021		022		95GVB076-MB1		95GVB076-MB1		95GVB076-MB1	
	Matrix:	SOIL		SOIL		SOIL		WATER		WATER		WATER	
	D.F.:	1.0		1.0		1.0		1.0		1.0		1.0	
	Units:	UG/KG		UG/KG		UG/KG		UG/L		UG/L		UG/L	
Surrogate Recovery	Toluene-d8	111	%	108	%	102	%	100	%	104	%	96	%
	4-Bromofluorobenzene	111	%	114	%	113	%	103	%	108	%	100	%
	1,2-Dichloroethane-d4	104	%	104	%	104	%	108	%	107	%	101	%
			fl		fl		fl		fl		fl		fl
Chloromethane		12	U	11	U	10	U	10	U	10	U	10	U
Bromomethane		12	U	11	U	10	U	10	U	10	U	10	U
Vinyl chloride		12	U	11	U	10	U	10	U	10	U	10	U
Chloroethane		12	U	11	U	10	U	10	U	10	U	10	U
Methylene Chloride		6	U	6	U	5	U	5	U	5	U	5	U
Acetone		12	UJ	29	B UJ	10	UJ	10	U	10	U	10	U
Carbon Disulfide		6	UJ	6	U J	5	U J	5	U	5	U	5	U
1,1-Dichloroethene		6	U	6	U	5	U	5	U	91	%	88	%
1,1-Dichloroethane		6	U	6	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		6	U	6	U	5	U	5	U	5	U	5	U
Chloroform		6	U	6	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		6	U	6	U	5	U	5	U	5	U	5	U
2-Butanone		12	U	11	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		9		3	J	9		5	U	5	U	5	U
Carbon Tetrachloride		6	U	6	U	5	U	5	U	5	U	5	U
Vinyl acetate		12	U	11	U	10	U	10	U	10	U	10	U
Bromodichloromethane		6	U	6	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		6	U	6	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		6	U	6	U	5	U	5	U	5	U	5	U
Trichloroethene		6	U	6	U	5	U	5	U	90	%	92	%
Dibromochloromethane		6	U	6	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		6	U	6	U	5	U	5	U	5	U	5	U
Benzene		6	U	6	U	5	U	5	U	99	%	99	%
trans-1,3-Dichloropropene		6	U	6	U	5	U	5	U	5	U	5	U
Bromoform		6	UJ	6	UJ	5	UJ	5	U	5	U	5	U
4-Methyl-2-pentanone		12	U	11	U	10	U	10	U	10	U	10	U
2-Hexanone		12	U	11	U	10	U	10	U	10	U	10	U
Tetrachloroethene		4	J	6	U	1	J	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		6	U	6	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

	Cust ID:	TC2-CP12-SBD	TC2-CP13-SBS	TC2-CP13-SBD	VBLK	VBLK BS	VBLK BSD
	RFW#:	020	021	022	95GVB076-MB1	95GVB076-MB1	95GVB076-MB1
Toluene		6 U	6 U	5 U	5 U	98 %	97 %
Chlorobenzene		6 U	6 U	5 U	5 U	97 %	97 %
Ethylbenzene		6 U	6 U	5 U	5 U	5 U	5 U
Styrene		6 U	6 U	5 U	5 U	5 U	5 U
Xylene (total)		6 U	6 U	5 U	5 U	5 U	5 U
Acrolein		580 U	570 U	520 U	500 U	500 U	500 U
Acrylonitrile		120 U	110 U	100 U	100 U	100 U	100 U
Trichlorofluoromethane		12 U	11 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane		23 U	23 U	21 U	20 U	20 U	20 U
Acetonitrile		120 U	110 U	100 U	100 U	100 U	100 U
Iodomethane		12 U	11 U	10 U	10 U	10 U	10 U
Propionitrile (Ethyl Cyanide)		58 U	57 U	52 U	50 U	50 U	50 U
3-Chloropropene		23 U	23 U	21 U	20 U	20 U	20 U
Methacrylonitrile		23 U	23 U	21 U	20 U	20 U	20 U
Dibromomethane		12 U	11 U	10 U	10 U	10 U	10 U
Isobutyl alcohol		2300 U*	2300 U*	2100 U*	2000 U	2000 U	2000 U
1,2-Dibromoethane		23 U	23 U	21 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane		12 U	11 U	10 U	10 U	10 U	10 U
1,2,3-Trichloropropane		12 U	11 U	10 U	10 U	10 U	10 U
trans-1,4-Dichloro-2-butene		23 U	23 U	21 U	20 U	20 U	20 U
1,2-Dibromo-3-chloropropane		23 U	23 U	21 U	20 U	20 U	20 U
2-Chloro-1,3-Butadiene		120 U	110 U	100 U	100 U	100 U	100 U
Methylmethacrylate		23 U	23 U	21 U	20 U	20 U	20 U
Ethylmethacrylate		23 U	23 U	21 U	20 U	20 U	20 U
Pentachloroethane		23 U	23 U	21 U	20 U	20 U	20 U

*= Outside of EPA CLP QC limits.

Weston Environmental Metrics, Inc. (Gulf Coast)
VOLATILES BY GC/MS, APPENDIX IX LIST

RFW Batch Number: 9503G001 Client: Techalloy Work Order: 01989-009-002-0 Report Date: 04/24/95 12:57 Page: 5a

Sample Information	Cust ID:	VBLK	VBLK BS	VBLK	VBLK BS	VBLK BSD	VBLK
	RFW#:	95GVB079-MB1	95GVB079-MB1	95GVB080-MB1	95GVB080-MB1	95GVB080-MB1	95GVF083-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	SOIL
	D.F.:	1.0	1.0	1.0	1.0	1.0	1.0
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/KG
Surrogate Recovery	Toluene-d8	97 %	96 %	97 %	99 %	96 %	95 %
	4-Bromofluorobenzene	105 %	106 %	104 %	107 %	105 %	101 %
	1,2-Dichloroethane-d4	109 %	106 %	105 %	107 %	106 %	110 %
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		5 U	5 U	5 U	5 U	5 U	3 J
Acetone		10 U	10 U	10 U	10 U	10 U	48
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	83 %	5 U	123 %	124 %	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		5 U	81 %	5 U	96 %	94 %	5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	92 %	5 U	107 %	104 %	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	5 U	5	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

	Cust ID:	VBLK	VBLK BS	VBLK	VBLK BS	VBLK BSD	VBLK
	RFW#:	95GVB079-MB1	95GVB079-MB1	95GVB080-MB1	95GVB080-MB1	95GVB080-MB1	95GVF083-MB1
Toluene		5 U	90 %	5 U	100 %	98 %	5 U
Chlorobenzene		5 U	91 %	5 U	101 %	97 %	5 U
Ethylbenzene		5 U	5 U	5 U	5 U	5 U	5 U
Styrene		5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)		5 U	5 U	5 U	5 U	5 U	5 U
Acrolein		500 U	500 U	500 U	500 U	500 U	500 U
Acrylonitrile		100 U	100 U	100 U	100 U	100 U	100 U
Trichlorofluoromethane		10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane		20 U	20 U	20 U	20 U	20 U	20 U
Acetonitrile		100 U	100 U	100 U	100 U	100 U	100 U
Iodomethane		10 U	10 U	10 U	10 U	10 U	10 U
Propionitrile (Ethyl Cyanide)		50 U	50 U	50 U	50 U	50 U	50 U
3-Chloropropene		20 U	20 U	20 U	20 U	20 U	20 U
Methacrylonitrile		20 U	20 U	20 U	20 U	20 U	20 U
Dibromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol		2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,2-Dibromoethane		20 U	20 U	20 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane		10 U	10 U	10 U	10 U	10 U	10 U
1,2,3-Trichloropropane		10 U	10 U	10 U	10 U	10 U	10 U
trans-1,4-Dichloro-2-butene		20 U	20 U	20 U	20 U	20 U	20 U
1,2-Dibromo-3-chloropropane		20 U	20 U	20 U	20 U	20 U	20 U
2-Chloro-1,3-Butadiene		100 U	100 U	100 U	100 U	100 U	100 U
Methylmethacrylate		20 U	20 U	20 U	20 U	20 U	20 U
Ethylmethacrylate		20 U	20 U	20 U	20 U	20 U	20 U
Pentachloroethane		20 U	20 U	20 U	20 U	20 U	20 U

*= Outside of EPA CLP QC limits.

	Cust ID:	VBLK BS		VBLK BSD		VBLK		VBLK BS		VBLK BSD	
Sample Information	RFW#:	95GVF083-MB1		95GVF083-MB1		95GVF087-MB1		95GVF087-MB1		95GVF087-MB1	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.0		1.0		1.0		1.0		1.0	
	Units:	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
	Toluene-d8	94	%	97	%	96	%	97	%	104	%
Surrogate Recovery	4-Bromofluorobenzene	98	%	95	%	109	%	103	%	107	%
	1,2-Dichloroethane-d4	116	%	110	%	94	%	95	%	106	%
Chloromethane		10	U	10	U	10	U	10	U	10	U
Bromomethane		10	U	10	U	10	U	10	U	10	U
Vinyl chloride		10	U	10	U	10	U	10	U	10	U
Chloroethane		10	U	10	U	10	U	10	U	10	U
Methylene Chloride		5	U	5	U	5	U	5	U	5	U
Acetone			E	5	JB	5	J	4	JB	3	JB
Carbon Disulfide		5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		112	%	114	%	5	U	96	%	81	%
1,1-Dichloroethane		5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	5	U	5	U	5	U	5	U
Chloroform		5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		5	U	5	U	5	U	5	U	5	U
2-Butanone		10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		5	U	5	U	5	U	5	U	5	U
Vinyl acetate		10	U	10	U	10	U	10	U	10	U
Bromodichloromethane		5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U
Trichloroethene		101	%	91	%	5	U	95	%	86	%
Dibromochloromethane		5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	5	U	5	U	5	U
Benzene		102	%	93	%	5	U	97	%	88	%
trans-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U
Bromoform		5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	10	U	10	U	10	U	10	U
2-Hexanone		10	U	10	U	10	U	10	U	10	U
Tetrachloroethene		5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

Cust ID:	VBLK BS	VBLK BSD	VBLK	VBLK BS	VBLK BSD
RFW#:	95GVF083-MB1	95GVF083-MB1	95GVF087-MB1	95GVF087-MB1	95GVF087-MB1
Toluene	94 %	88 %	5 U	96 %	86 %
Chlorobenzene	94 %	86 %	5 U	93 %	85 %
Ethylbenzene	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U
Acrolein	500 U	500 U	500 U	500 U	500 U
Acrylonitrile	100 U	100 U	100 U	100 U	100 U
Trichlorofluoromethane	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	20 U	20 U	20 U	20 U	20 U
Acetonitrile	100 U	100 U	100 U	100 U	100 U
Iodomethane	10 U	10 U	10 U	10 U	10 U
Propionitrile (Ethyl Cyanide)	50 U	50 U	50 U	50 U	50 U
3-Chloropropene	20 U	20 U	20 U	20 U	20 U
Methacrylonitrile	20 U	20 U	20 U	20 U	20 U
Dibromomethane	10 U	10 U	10 U	10 U	10 U
Isobutyl alcohol	2000 U	2000 U	2000 U	2000 U	2000 U
1,2-Dibromoethane	20 U	20 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U
1,2,3-Trichloropropane	10 U	10 U	10 U	10 U	10 U
trans-1,4-Dichloro-2-butene	20 U	20 U	20 U	20 U	20 U
1,2-Dibromo-3-chloropropane	20 U	20 U	20 U	20 U	20 U
2-Chloro-1,3-Butadiene	100 U	100 U	100 U	100 U	100 U
Methylmethacrylate	20 U	20 U	20 U	20 U	20 U
Ethylmethacrylate	20 U	20 U	20 U	20 U	20 U
Pentachloroethane	20 U	20 U	20 U	20 U	20 U

*= Outside of EPA CLP QC limits.

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

RFW Lot No.: 9503G001

	CLIENT SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	TC2-CP11-GWS	96	97	101		0
02	TC2-CP11-GWSMS	98	100	99		0
03	TC2-CP11-GWSMSD	100	102	105		0
04	TC2-CP11-GWD	103	103	109		0
05	TC2-CP12-GWS	99	101	104		0
06	TC2-CP12-GWD	97	101	102		0
07	TC2-CP12-GWD-DP	97	98	104		0
08	TC2-CP13-GWS	127 *	123 *	136 *		3
09	TC2-CP13-GWSDL	95	101	107		0
10	TC2-CP13-GWSDL	98	109	106		0
11	TC2-CP13-GWD	97	102	114		0
12	TC2-CP11-GWD-FB	102	111	116 *		1
13	TC2-CP11-GWD-FBRE	99	108	107		0
14	VBLKGVB076-MB1	100	103	108		0
15	VBLKGVB076-MB1 BS	104	108	107		0
16	VBLKGVB076-MB1 BSD	96	100	101		0
17	VBLKGVB079-MB1	97	105	109		0
18	VBLKGVB079-MB1 BS	96	106	106		0
19	VBLKGVB080-MB1	97	104	105		0
20	VBLKGVB080-MB1 BS	99	107	107		0
21	VBLKGVB080-MB1 BSD	96	105	106		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(88-110)
S2 (BFB) = 4-Bromofluorobenzene	(86-115)
S3 (DCE) = 1.2-Dichloroethane-d4	(76-114)

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

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

RFW Lot No.: 9503G001

	CLIENT SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	TC2-CP11-SBS	100	93	116		0
02	TC2-CP11-SBSMS	104	109	101		0
03	TC2-CP11-SBSMSD	104	112	109		0
04	TC2-CP11-SBD	103	93	95		0
05	TC2-CP12-SBS	99	109	104		0
06	TC2-CP12-SBD	111	111	104		0
07	TC2-CP13-SBS	108	114	104		0
08	TC2-CP13-SBD	102	113	104		0
09	VBLKGVF083-MB1	95	101	110		0
10	VBLKGVF083-MB1 BS	94	98	116		0
11	VBLKGVF083-MB1 BSD	97	95	110		0
12	VBLKGVF087-MB1	96	109	94		0
13	VBLKGVF087-MB1 BS	97	103	95		0
14	VBLKGVF087-MB1 BSD	104	107	106		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = 4-Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

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

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot No.: 9503G001-001

MATRIX Spike - Sample No.: TC2-CP11-GWS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	43.1	86	61-145
Trichloroethene	50.0	9.57	51.5	84	71-120
Benzene	50.0	0	47.4	95	76-127
Toluene	50.0	0	47.6	95	76-125
Chlorobenzene	50.0	0	46.9	94	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	45.2	90	4	14	61-145
Trichloroethene	50.0	52.1	85	1	14	71-120
Benzene	50.0	47.8	96	1	11	76-127
Toluene	50.0	47.6	95	0	13	76-125
Chlorobenzene	50.0	46.5	93	1	13	75-130

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

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

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot No.: 9503G001-017

MATRIX Spike - Sample No.: TC2-CP11-SBS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	58.5	0	49.8	85	59-172
Trichloroethene	58.5	0	51.1	87	62-137
Benzene	58.5	0	54.1	92	66-142
Toluene	58.5	0	53.5	91	59-139
Chlorobenzene	58.5	0	52.4	90	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	58.5	42.2	72	16	22	59-172
Trichloroethene	58.5	45.0	77	12	24	62-137
Benzene	58.5	47.7	82	11	21	66-142
Toluene	58.5	45.6	78	15	21	59-139
Chlorobenzene	58.5	45.0	77	15	21	60-133

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

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

COMMENTS:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: NONE

Case No.: Techalloy RFW Lot No.: 9503G001

MATRIX Spike - Sample No.: VBLKGVB076-MB1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	45.6	91	61-145
Trichloroethene	50.0	0	45.1	90	71-120
Benzene	50.0	0	49.6	99	76-127
Toluene	50.0	0	49.2	98	76-125
Chlorobenzene	50.0	0	48.4	97	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	43.9	88	3	14	61-145
Trichloroethene	50.0	45.8	92	2	14	71-120
Benzene	50.0	49.5	99	0	11	76-127
Toluene	50.0	48.5	97	1	13	76-125
Chlorobenzene	50.0	48.4	97	0	13	75-130

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

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

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: NONE

Case No.: Techalloy RFW Lot No.: 9503G001

MATRIX Spike - Sample No.: VBLKGVB079-MB1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	41.5	83	61-145
Trichloroethene	50.0	0	40.6	81	71-120
Benzene	50.0	0	46.1	92	76-127
Toluene	50.0	0	45.2	90	76-125
Chlorobenzene	50.0	0	45.4	91	75-130

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

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: NONE

Case No.: Techalloy RFW Lot No.: 9503G001

MATRIX Spike - Sample No.: VBLKGVB080-MB1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	61.7	123	61-145
Trichloroethene	50.0	0	47.9	96	71-120
Benzene	50.0	0	53.5	107	76-127
Toluene	50.0	0	50.1	100	76-125
Chlorobenzene	50.0	0	50.6	101	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	62.0	124	0	14	61-145
Trichloroethene	50.0	46.8	94	2	14	71-120
Benzene	50.0	52.2	104	2	11	76-127
Toluene	50.0	49.0	98	2	13	76-125
Chlorobenzene	50.0	48.5	97	4	13	75-130

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

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

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: NONE

Case No.: Techalloy RFW Lot No.: 9503G001

MATRIX Spike - Sample No.: VBLKGVF083-MB1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	56.0	112	59-172
Trichloroethene	50.0	0	50.3	101	62-137
Benzene	50.0	0	50.8	102	66-142
Toluene	50.0	0	47.2	94	59-139
Chlorobenzene	50.0	0	47.0	94	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	56.8	114	1	22	59-172
Trichloroethene	50.0	45.4	91	10	24	62-137
Benzene	50.0	46.5	93	9	21	66-142
Toluene	50.0	44.2	88	6	21	59-139
Chlorobenzene	50.0	42.8	86	8	21	60-133

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

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

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: NONE

Case No.: Techalloy RFW Lot No.: 9503G001

MATRIX Spike - Sample No.: VBLKGVF087-MB1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	48.0	96	59-172
Trichloroethene	50.0	0	47.3	95	62-137
Benzene	50.0	0	48.4	97	66-142
Toluene	50.0	0	48.2	96	59-139
Chlorobenzene	50.0	0	46.7	93	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	40.5	81	17	22	59-172
Trichloroethene	50.0	43.2	87	8	24	62-137
Benzene	50.0	44.2	89	8	21	66-142
Toluene	50.0	43.0	86	10	21	59-139
Chlorobenzene	50.0	42.6	85	8	21	60-133

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

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

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BZA409 Lab Sample ID: 95GVB076-MB1

Date Analyzed: 04/09/95 Time Analyzed: 1917

Matrix:(Soil/Water) WATER Level:(low/med) LOW

Instrument ID: gc12

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TC2-CP11-GWS	9503G001-001	BWIV01	2253
02	TC2-CP11-GWSMS	9503G001-001S	BWIV02	2330
03	TC2-CP11-GWSMSD	9503G001-001T	BWIV03	0007
04	TC2-CP11-GWD	9503G001-003	BWIV04	0044
05	TC2-CP12-GWS	9503G001-005	BWIV05	0123
06	TC2-CP12-GWD	9503G001-007	BWIV06	0201
07	TC2-CP12-GWD-DP	9503G001-009	BWIV07	0239
08	TC2-CP13-GWS	9503G001-011	BWIV08	0317
09	TC2-CP13-GWD	9503G001-013	BWIV09	0354
10	VBLKGVB076-MB1 BS	95GVB076-MB1S	BZB409	2009
11	VBLKGVB076-MB1 BSD	95GVB076-MB1T	BZC409	0433

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BZA411 Lab Sample ID: 95GVB079-MB1

Date Analyzed: 04/11/95 Time Analyzed: 0931

Matrix:(Soil/Water) WATER Level:(low/med) LOW

Instrument ID: gc12

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TC2-CP11-GWD-FB	9503G001-015	BWIV19	1305
02	TC2-CP13-GWSDL	9503G001-011	BWIV20	1349
03	VBLKGVB079-MB1 BS	95GVB079-MB1S	BZB411	1036

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BZH411 Lab Sample ID: 95GVB080-MB1

Date Analyzed: 04/11/95 Time Analyzed: 2352

Matrix:(Soil/Water) WATER Level:(low/med) LOW

Instrument ID: gc12

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TC2-CP13-GWSDL	9503G001-011	BWIV21	0304
02	TC2-CP11-GWD-FB	9503G001-015	BWIV22	0215
03	VBLKGVB080-MB1 BS	95GVB080-MB1S	BZE411	0043
04	VBLKGVB080-MB1 BSD	95GVB080-MB1T	BZF411	0820

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: FPA405 Lab Sample ID: 95GVF083-MB1

Date Analyzed: 04/05/95 Time Analyzed: 0858

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Instrument ID: GCL#6

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKGVF083-MB1 BS	95GVF083-MB1S	FPB405	1008
02	VBLKGVF083-MB1 BSD	95GVF083-MB1T	FPC405	2006
03	TC2-CP11-SBS	9503G001-017	FWHV03	1920

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: FPD410 Lab Sample ID: 95GVF087-MB1

Date Analyzed: 04/10/95 Time Analyzed: 1010

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Instrument ID: GCL#6

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKGVF087-MB1 BS	95GVF087-MB1S	FPB410	1102
02	VBLKGVF087-MB1 BSD	95GVF087-MB1T	FPC410	1958
03	TC2-CP13-SBS	9503G001-021	FWIV10	1201
04	TC2-CP13-SBD	9503G001-022	FWIV11	1242
05	TC2-CP11-SBSMS	9503G001-017S	FWIV12	1325
06	TC2-CP11-SBSMSD	9503G001-017T	FWIV13	1405
07	TC2-CP11-SBD	9503G001-018	FWIV14	1446
08	TC2-CP12-SBS	9503G001-019	FWIV15	1526
09	TC2-CP12-SBD	9503G001-020	FWIV16	1632

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BXA403 BFB Injection Date: 04/03/95

Instrument ID: gc12 BFB Injection Time: 0929

GC Column: Cap ID: 0.53 (mm) Heated Purge: (Y/N) N

JK 4-24-95

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.1
75	30.0 - 66.0% of mass 95	47.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	68.7
175	4.0 - 9.0% of mass 174	5.1(7.5)1
176	93.0 - 101.0% of mass 174	66.7(97.1)1
177	5.0 - 9.0% of mass 176	4.4(6.7)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD50+A	STD50+A	BYA403	04/03/95	1034
02	STD20+A	STD20+A	BYB403	04/03/95	1252
03	STD100+	STD100+	BYC403	04/03/95	1336
04	STD150	STD150	BYD403	04/03/95	1421
05	STD200	STD200	BYE403	04/03/95	1506
06					
07					
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20					

5A

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

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: FNA329 BFB Injection Date: 03/29/95

Instrument ID: GCL#6 BFB Injection Time: 1010

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	43.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	4.9(7.3)1
176	Greater than 95.0% but less than 101.0% of mass 174	65.4(96.8)1
177	5.0 - 9.0% of mass 176	4.8(7.4)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD20++	STD20++	FOB329	03/29/95	1302
02	STD50++	STD50++	FOC329	03/29/95	1343
03	STD100+	STD100+	FOD329	03/29/95	1424
04	STD150+	STD150+	FOE329	03/29/95	1506
05	STD200+	STD200+	FOG329	03/29/95	1711
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BXB409 BFB Injection Date: 04/09/95

Instrument ID: gc12 BFB Injection Time: 1724

GC Column: Cap ID: 0.53 (mm) Heated Purge: (Y/N) N

JK 4-24-95

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	41.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.8
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	75.1
175	4.0 - 9.0% of mass 174	6.3(8.4)1
176	93.0 - 101.0% of mass 174	73.5(98.0)1
177	5.0 - 9.0% of mass 176	5.2(7.1)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD50++	STD50++	BYB409	04/09/95	1818
02	VBLKGVB076-MB1	95GVB076-MB1	BZA409.	04/09/95	1917
03	VBLKGVB076-MB1 BS	95GVB076-MB1S	BZB409.	04/09/95	2009
04	TC2-CP11-GWS	9503G001-001	BWIV01.	04/09/95	2253
05	TC2-CP11-GWSMS	9503G001-001S	BWIV02.	04/09/95	2330
06	TC2-CP11-GWSMSD	9503G001-001T	BWIV03.	04/10/95	0007
07	TC2-CP11-GWD	9503G001-003	BWIV04.	04/10/95	0044
08	TC2-CP12-GWS	9503G001-005	BWIV05.	04/10/95	0123
09	TC2-CP12-GWD	9503G001-007	BWIV06.	04/10/95	0201
10	TC2-CP12-GWD-DP	9503G001-009	BWIV07.	04/10/95	0239
11	TC2-CP13-GWS	9503G001-011	BWIV08.	04/10/95	0317
12	TC2-CP13-GWD	9503G001-013	BWIV09.	04/10/95	0354
13	VBLKGVB076-MB1 BSD	95GVB076-MB1T	BZC409.	04/10/95	0433
14					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BXA411 BFB Injection Date: 04/11/95

Instrument ID: gc12 BFB Injection Time: 0712

GC Column: Cap ID: 0.53 (mm) Heated Purge: (Y/N) N

JK 4-24-95

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.2
75	30.0 - 66.0% of mass 95	44.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	72.4
175	4.0 - 9.0% of mass 174	6.0(8.2)1
176	93.0 - 101.0% of mass 174	70.3(97.1)1
177	5.0 - 9.0% of mass 176	4.5(6.4)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD50+N	STD50+N	BYA411	04/11/95	0808
02	VBLKGVB079-MB1	95GVB079-MB1	BZA411.	04/11/95	0931
03	VBLKGVB079-MB1 BS	95GVB079-MB1S	BZB411.	04/11/95	1036
04	TC2-CP11-GWD-FB	9503G001-015	BWIV19.	04/11/95	1305
05	TC2-CP13-GWSDL	9503G001-011	BWIV20.	04/11/95	1349
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: BXC411 BFB Injection Date: 04/11/95

Instrument ID: gc12 BFB Injection Time: 2059

GC Column: Cap ID: 0.53 (mm) Heated Purge: (Y/N) N

JK
4-24-95

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.1
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	68.5
175	4.0 - 9.0% of mass 174	4.5(6.6)1
176	93.0 - 101.0% of mass 174	66.0(96.4)1
177	5.0 - 9.0% of mass 176	4.8(7.2)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD50++	STD50++	BYB411	04/11/95	2139
02	VBLKGVB080-MB1	95GVB080-MB1	BZH411.	04/11/95	2352
03	VBLKGVB080-MB1 BS	95GVB080-MB1S	BZE411.	04/12/95	0043
04	TC2-CP11-GWD-FBRE	9503G001-015	BWIV22.	04/12/95	0215
05	TC2-CP13-GWSDL	9503G001-011	BWIV21.	04/12/95	0304
06	VBLKGVB080-MB1 BSD	95GVB080-MB1T	BZF411.	04/12/95	0820
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5A

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

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: FNA405 BFB Injection Date: 04/05/95

Instrument ID: GCL#6 BFB Injection Time: 0727

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	45.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.06(0.090)1
174	Greater than 50.0% of mass 95	68.7
175	5.0 - 9.0% of mass 174	4.4(6.5)1
176	Greater than 95.0% but less than 101.0% of mass 174	66.4(96.6)1
177	5.0 - 9.0% of mass 176	4.4(6.7)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD50++	STD50++	FOA405	04/05/95	0800
02	VBLKGVF083-MB1	95GVF083-MB1	FPA405.	04/05/95	0858
03	VBLKGVF083-MB1 BS	95GVF083-MB1S	FPB405.	04/05/95	1008
04	TC2-CP11-SBS	9503G001-017	FWHV03.	04/05/95	1920
05	VBLKGVF083-MB1 BSD	95GVF083-MB1T	FPC405.	04/05/95	2006
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5A

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

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy

Lab File ID: FNA410 BFB Injection Date: 04/10/95

Instrument ID: GCL#6 BFB Injection Time: 0740

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.0
75	30.0 - 60.0% of mass 95	43.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	73.0
175	5.0 - 9.0% of mass 174	5.6(7.6)1
176	Greater than 95.0% but less than 101.0% of mass 174	71.8(98.4)1
177	5.0 - 9.0% of mass 176	4.5(6.3)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	STD 50	STD 50	FOA410	04/10/95	0815
02	VBLKGVF087-MB1	95GVF087-MB1	FPD410.	04/10/95	1010
03	VBLKGVF087-MB1 BS	95GVF087-MB1S	FPB410.	04/10/95	1102
04	TC2-CP13-SBS	9503G001-021	FWIV10.	04/10/95	1201
05	TC2-CP13-SBD	9503G001-022	FWIV11.	04/10/95	1242
06	TC2-CP11-SBSMS	9503G001-017S	FWIV12.	04/10/95	1325
07	TC2-CP11-SBSMSD	9503G001-017T	FWIV13.	04/10/95	1405
08	TC2-CP11-SBD	9503G001-018	FWIV14.	04/10/95	1446
09	TC2-CP12-SBS	9503G001-019	FWIV15.	04/10/95	1526
10	TC2-CP12-SBD	9503G001-020	FWIV16.	04/10/95	1632
11	VBLKGVF087-MB1 BSD	95GVF087-MB1T	FPC410.	04/10/95	1958
12					
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III. Sample Data Package

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV01

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	33	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	10	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	190	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV01

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec.

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP11-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV01

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

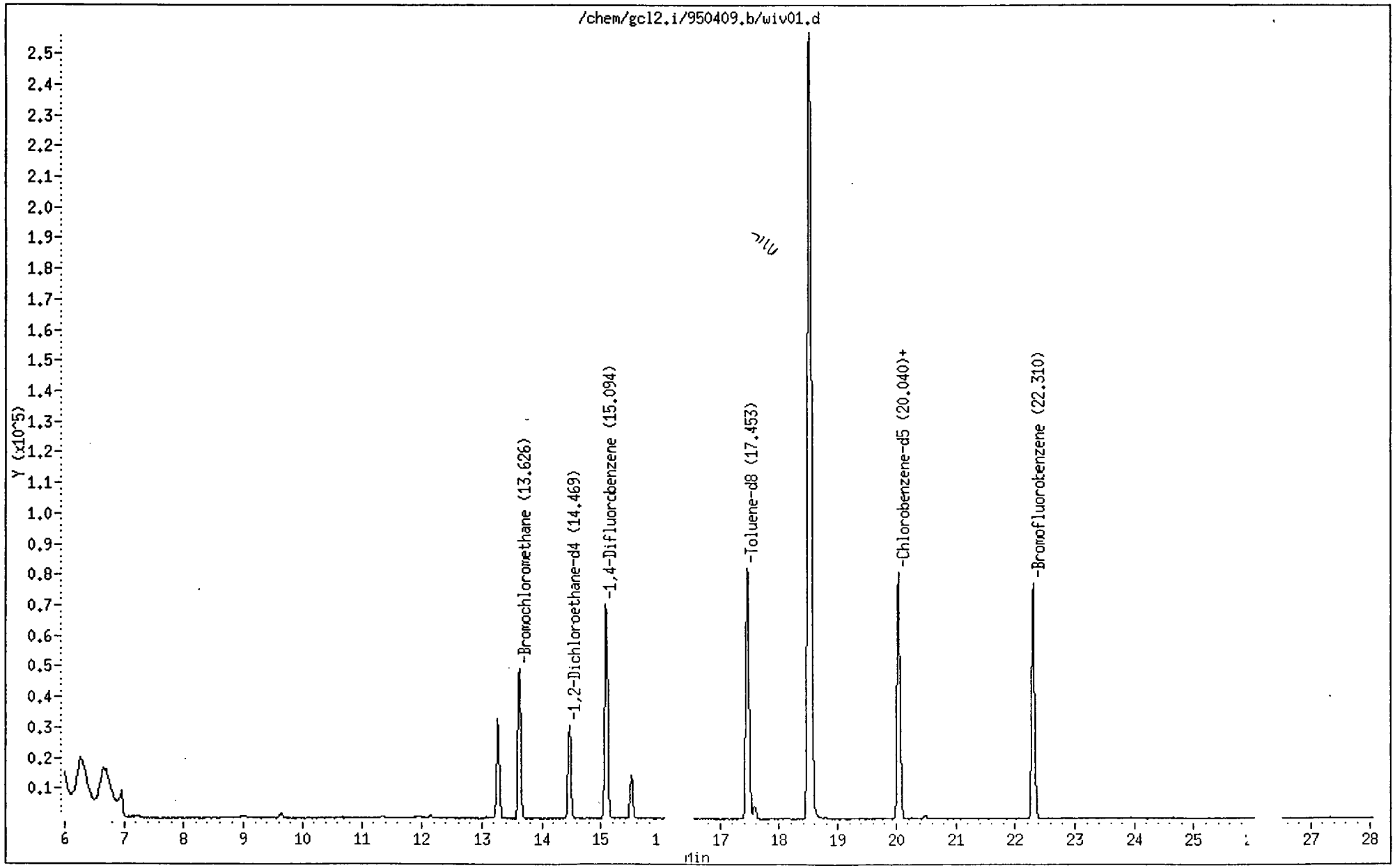
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gcl2.i/950409.b/wiv01.d
Date : 09-APR-1995 22:53
Client ID:
Sample Info: 9503G001-001 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv01.d
Lab Smp Id:
Inj Date : 09-APR-1995 22:53
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-001 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mic

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	21 1,2-Dichloroethene (total)	96.00	13.269	13.258	(0.975)	24768	33.25	6.65
	22 cis-1,2-Dichloroethene	96.00	13.269	13.258	(0.975)	24768	26.26	5.25
*	27 Bromochloromethane	127.80	13.616	13.615	(1.000)	20647	50.00	
$	33 1,2-Dichloroethane-d4	65.00	14.469	14.468	(1.063)	31860	50.26	10.05
*	36 1,4-Difluorobenzene	114.00	15.094	15.082	(1.000)	106484	50.00	
	38 Trichloroethene	130.00	15.510	15.499	(1.028)	10358	9.57	1.91
$	46 Toluene-d8	98.00	17.453	17.443	(0.871)	105635	48.03	9.60
	52 Tetrachloroethene	164.00	18.524	18.504	(0.924)	176920	189.6	37.93
*	56 Chlorobenzene-d5	117.00	20.040	20.031	(1.000)	95915	50.00	
	59 Ethylbenzene	106.00	20.486	20.260	(1.022)	1104	1.29	0.258
	60 m,p-xylene	91.00	20.486	20.479	(1.022)	2495	1.04	0.208
	61 Xylene (total)	91.00	21.269	21.252	(1.061)	294	0.117	0.0235 (M)
$	64 Bromofluorobenzene	95.00	22.310	22.293	(1.113)	63391	48.55	9.71

QC Flag Legend

M Compound response manually integrated.

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv01.d
Lab Smp Id:
Inj Date : 09-APR-1995 22:53
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-001 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 7 Bromochloromethane	13.616	160568	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide					CAS #: 124-38-9		
4.728	423263	131.8	26.36	5	NBS75K.l	34	27
Carbon dioxide					CAS #: 124-38-9		
5.125	319469	99.48	19.90	3	NBS75K.l	34	27
Carbon dioxide					CAS #: 124-38-9		
5.502	241907	75.33	15.06	3	NBS75K.l	34	27
Carbon dioxide					CAS #: 124-38-9		
5.888	255445	79.54	15.91	5	NBS75K.l	34	27
Carbon dioxide					CAS #: 124-38-9		
6.265	220214	68.57	13.71	3	NBS75K.l	62263	27
Carbon dioxide					CAS #: 124-38-9		
6.661	207201	64.52	12.90	3	NBS75K.l	34	27

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Acetaldehyde					CAS #: 75-07-0		
6.959	36792	11.46	2.29	3	NBS75K.l	62264	27

Data File: /chem/gcl2.i/950409.b/wiv01.d

Date : 09-APR-1995 22:53

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-001 BXB409

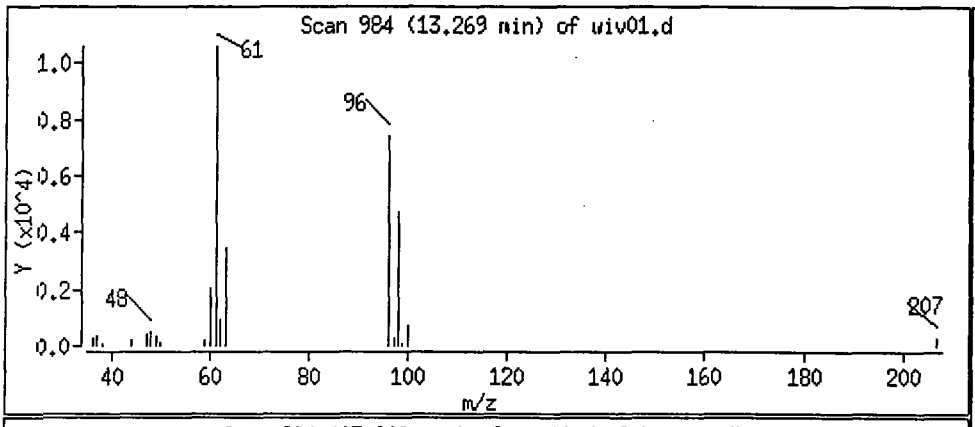
Purge Volume: 5.0

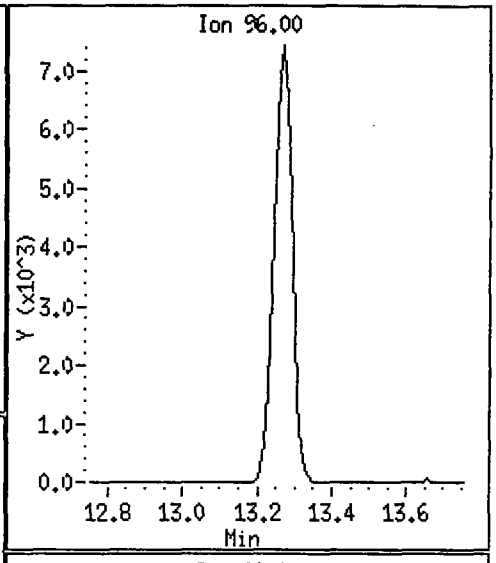
Operator: MANAGER MS

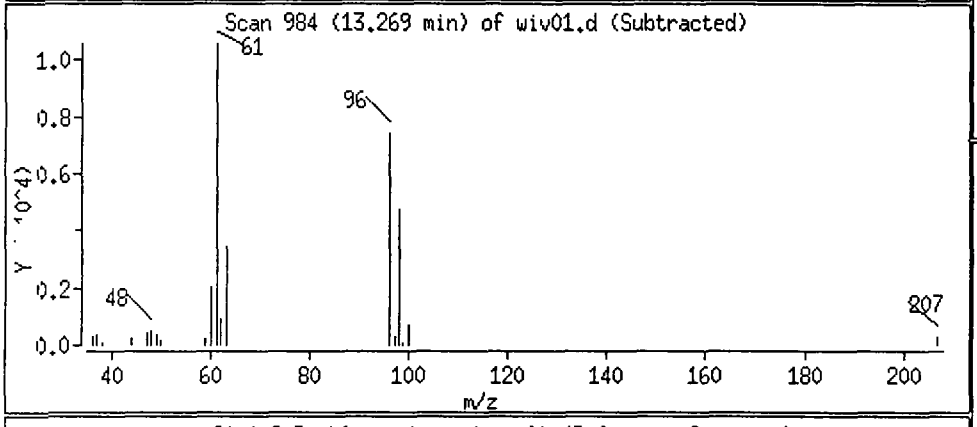
Column phase:

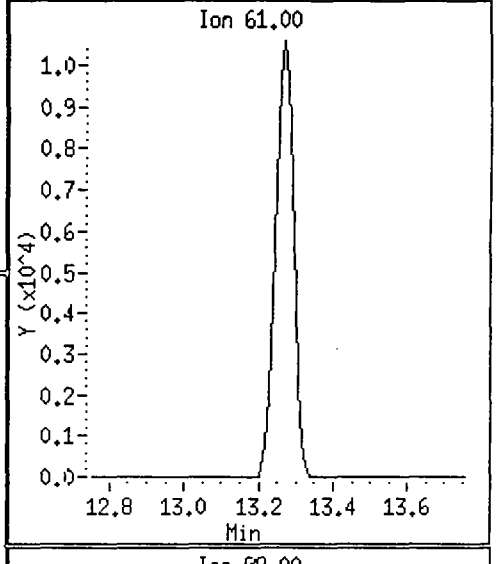
Column diameter: 2.00

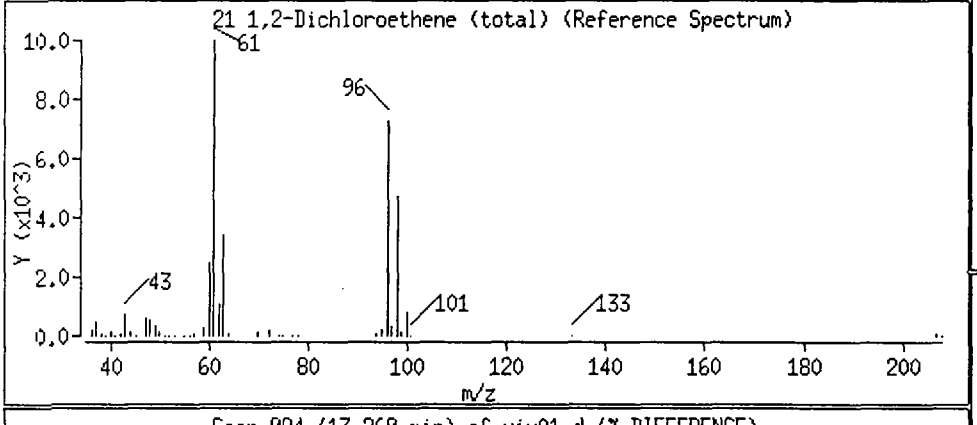
21 1,2-Dichloroethene (total)

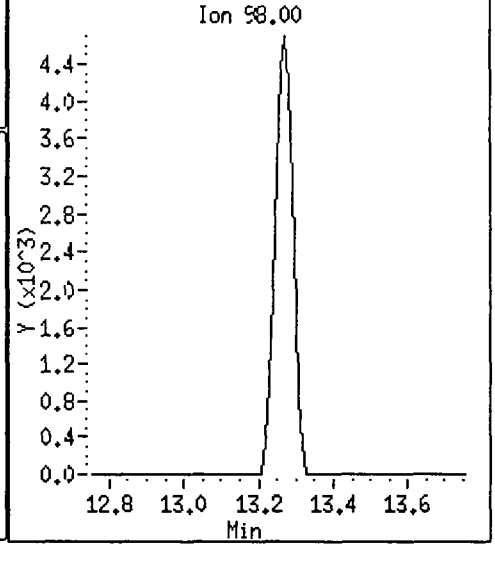


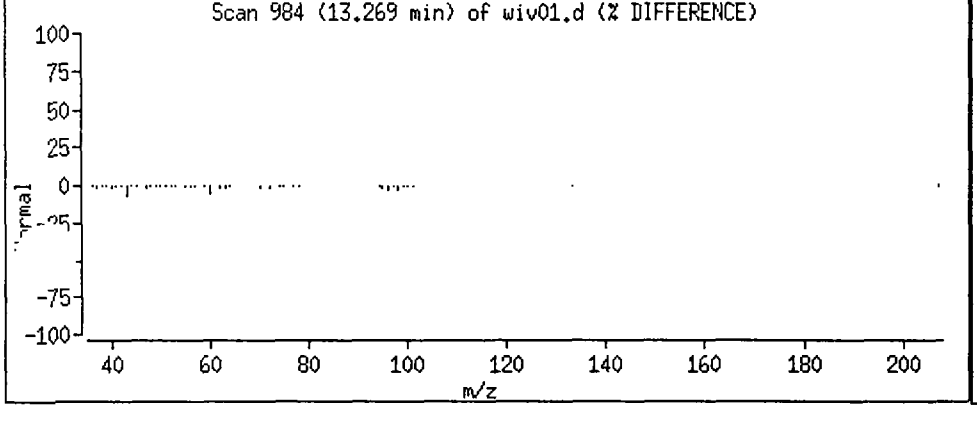












Data File: /chem/gcl2.i/950409.b/wiv01.d

Date : 09-APR-1995 22:53

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-001 BXB409

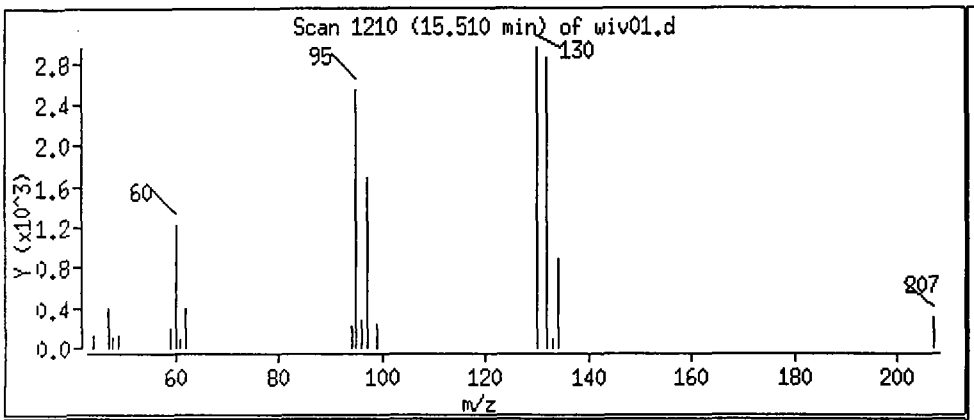
Purge Volume: 5.0

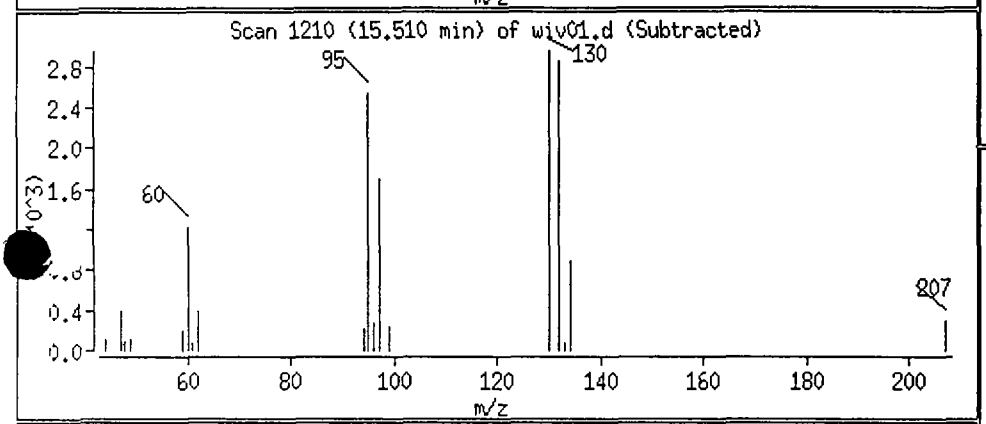
Operator: MANAGER MS

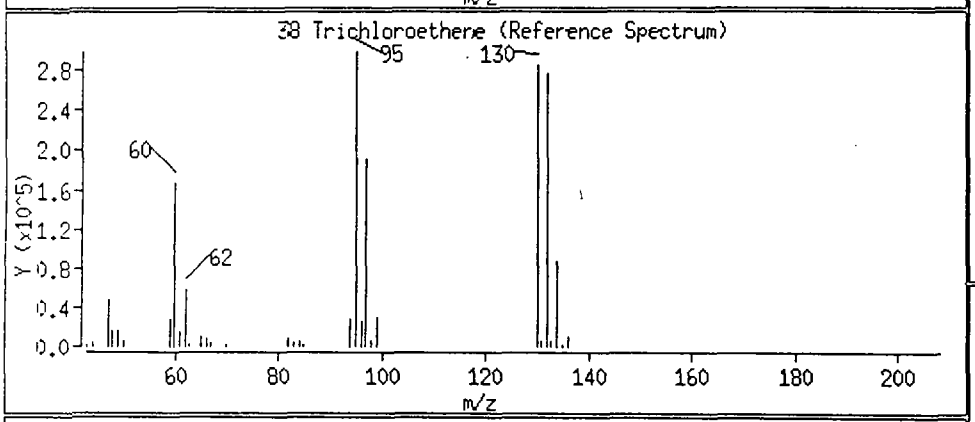
Column phase:

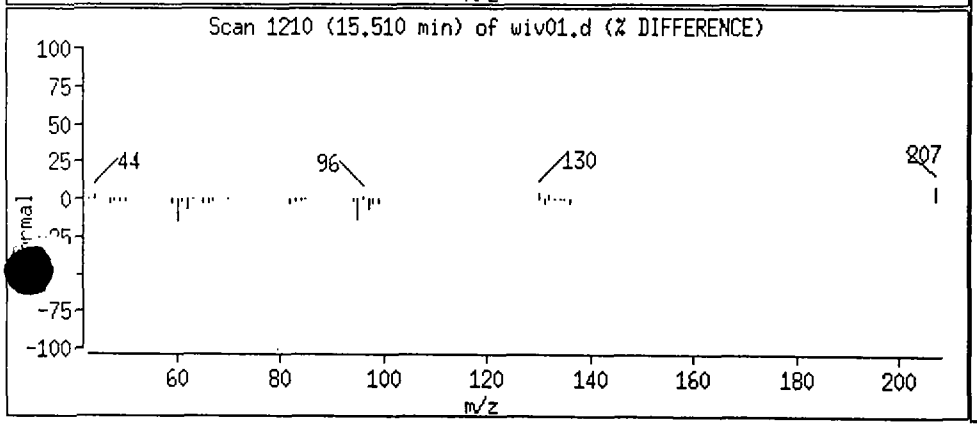
Column diameter: 2.00

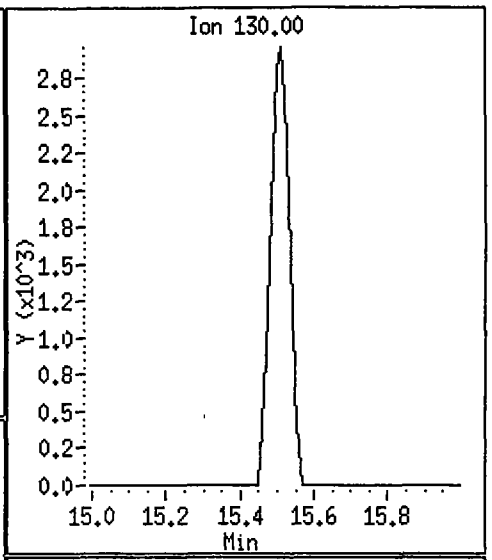
38 Trichloroethene

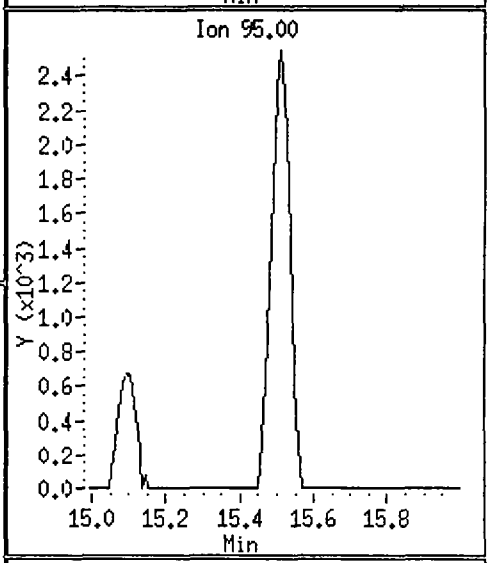


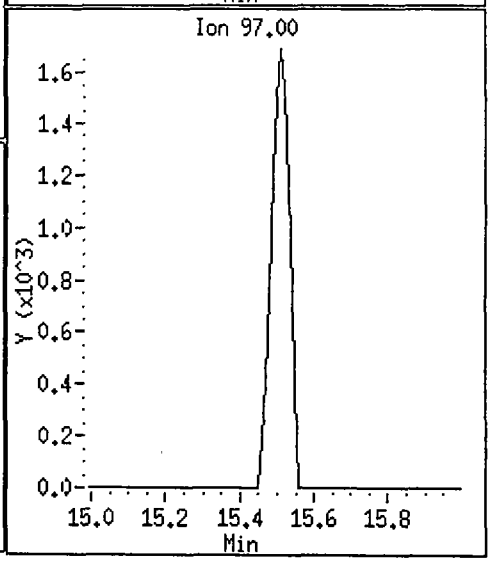












Data File: /chem/gcl2.i/950409.b/wiv01.d

Date : 09-APR-1995 22:53

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-001 BXB409

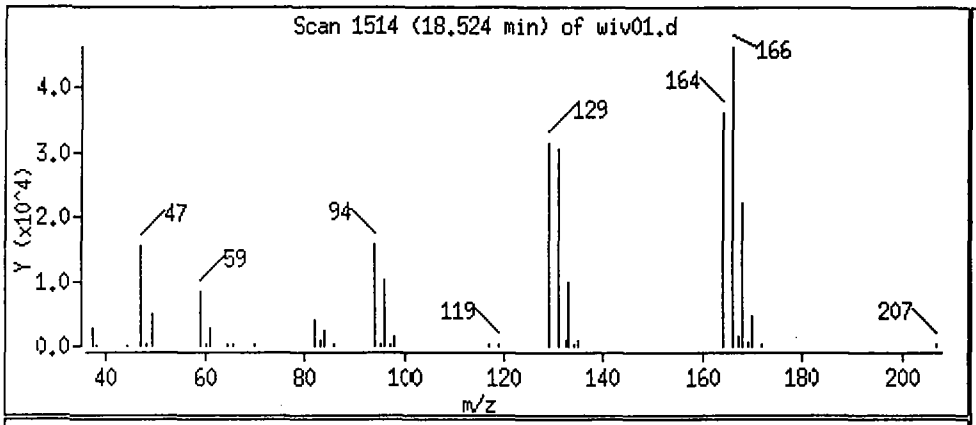
Purge Volume: 5.0

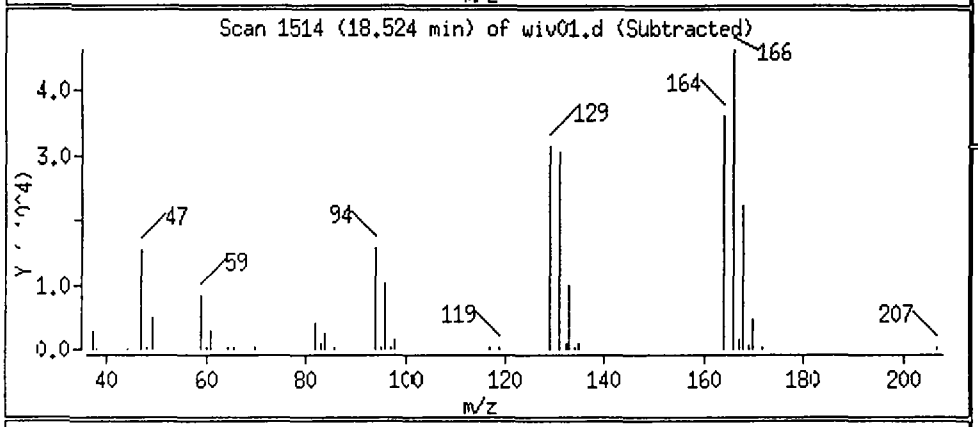
Operator: MANAGER MS

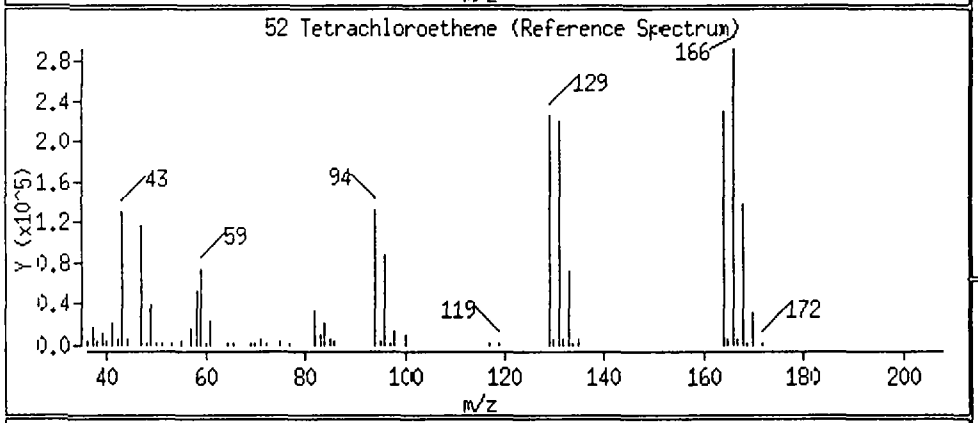
Column phase:

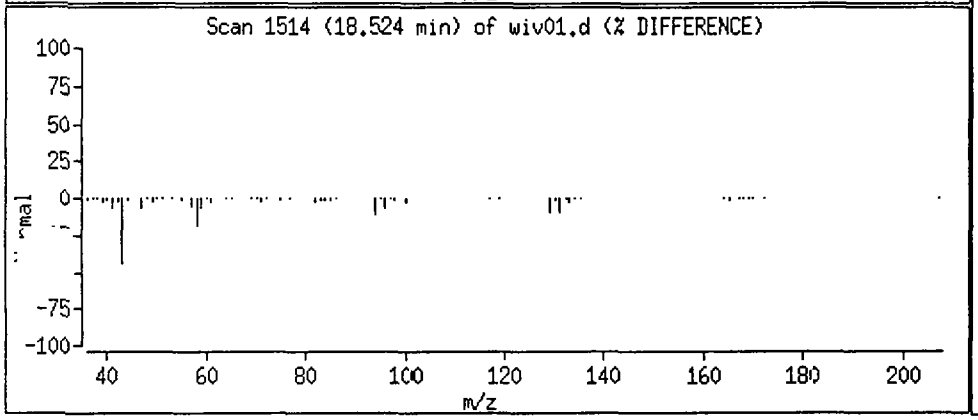
Column diameter: 2.00

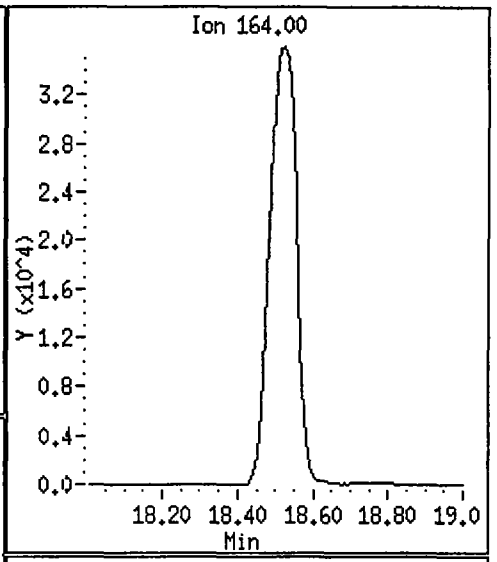
52 Tetrachloroethene

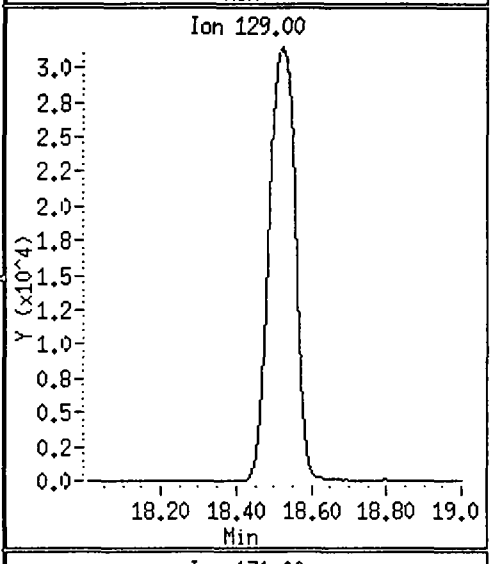


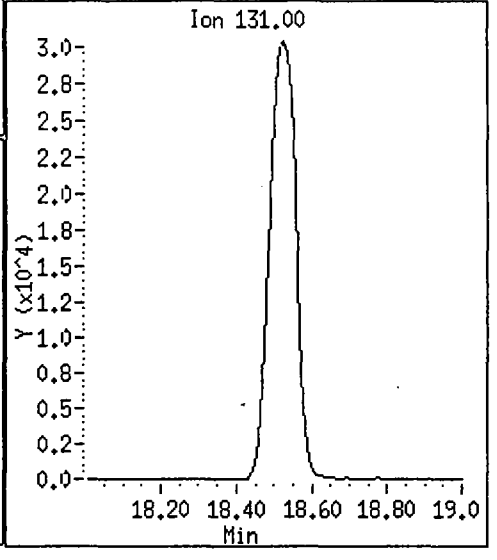












1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-003

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV04

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	33	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-003

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV04

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP11-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-003

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV04

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 1

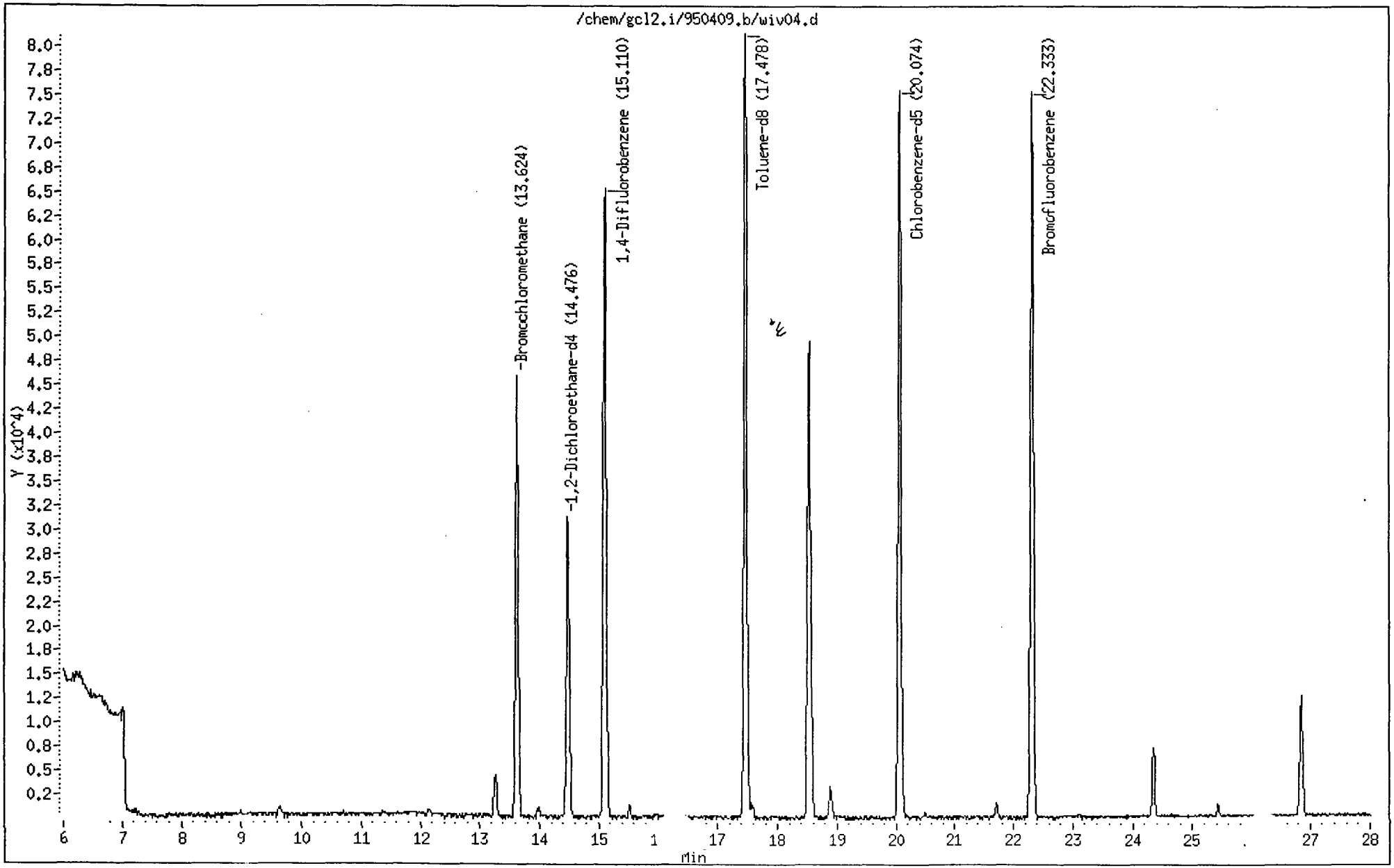
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	26.85	8	J

Data File: /chem/gcl2.i/950409.b/wiv04.d
Date : 10-APR-1995 00:44
Client ID:
Sample Info: 9503G001-003 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv04.d
Lab Smp Id:
Inj Date : 10-APR-1995 00:44
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-003 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	21 1,2-Dichloroethene (total)	96.00	13.267	13.258	(0.974)	3832	5.49	1.10
	22 cis-1,2-Dichloroethene	96.00	13.267	13.258	(0.974)	3832	4.33	0.867
*	27 Bromochloromethane	127.80	13.624	13.615	(1.000)	19353 ✓	50.00	
$	33 1,2-Dichloroethane-d4	65.00	14.476	14.468	(1.063)	32456	54.63 ✓	10.92
*	36 1,4-Difluorobenzene	114.00	15.110	15.082	(1.000)	100967 ✓	50.00	
$	46 Toluene-d8	98.00	17.478	17.443	(0.871)	105239	51.29 ✓	10.26
	52 Tetrachloroethene	164.00	18.548	18.504	(0.924)	29005	33.33	6.66
*	56 Chlorobenzene-d5	117.00	20.074	20.031	(1.000)	89478 ✓	50.00	
$	64 Bromofluorobenzene	95.00	22.333	22.293	(1.113)	62504	51.31 ✓	10.26

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv04.d
Lab Smp Id:
Inj Date : 10-APR-1995 00:44
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-003 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 7 Bromochloromethane	13.624	148793	50.000
* 56 Chlorobenzene-d5	20.074	276389	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide					CAS #: 124-38-9		
3.652	14742259	4954	990.8	5	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
7.013	39177	13.16	2.63	3	NBS75K.1	62263	27
Nonanal					CAS #: 124-19-6		
26.851	43285	7.83	1.57	72	NBS75K.1	66172	56

Data File: /chem/gcl2.i/950409.b/wiv04.d

Date : 10-APR-1995 00:44

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-003 BXB409

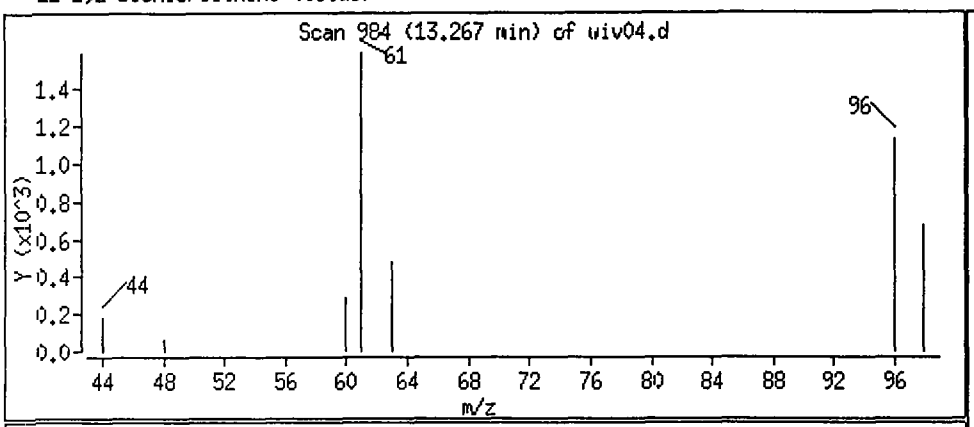
Purge Volume: 5.0

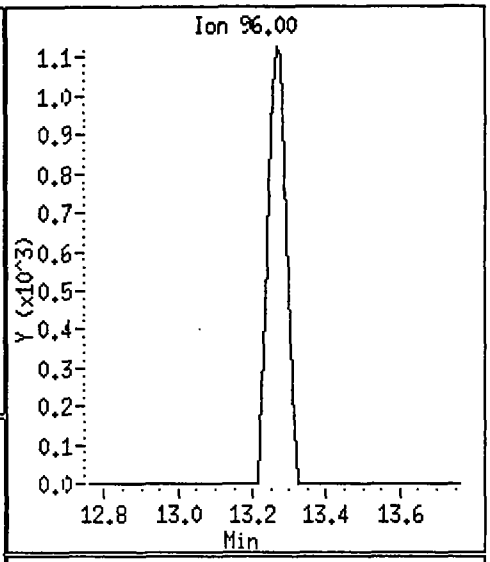
Operator: MANAGER MS

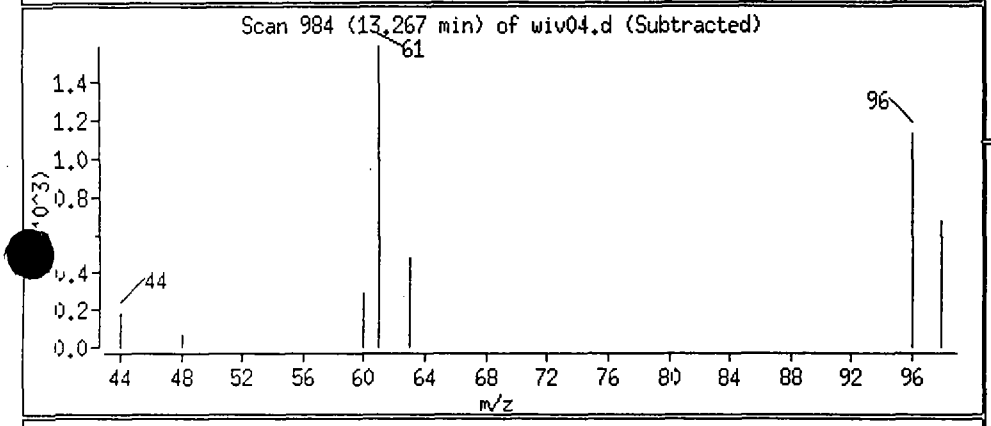
Column phase:

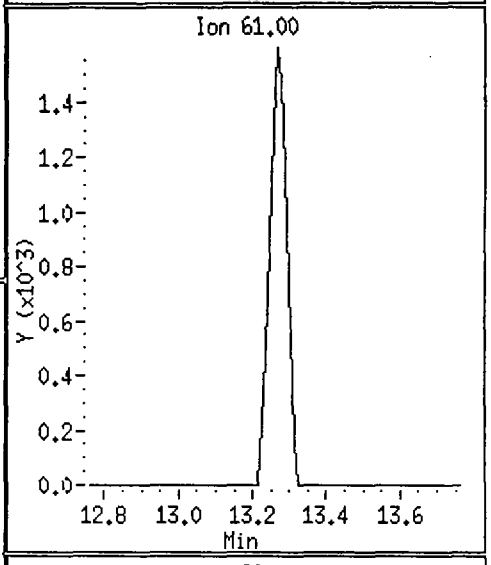
Column diameter: 2.00

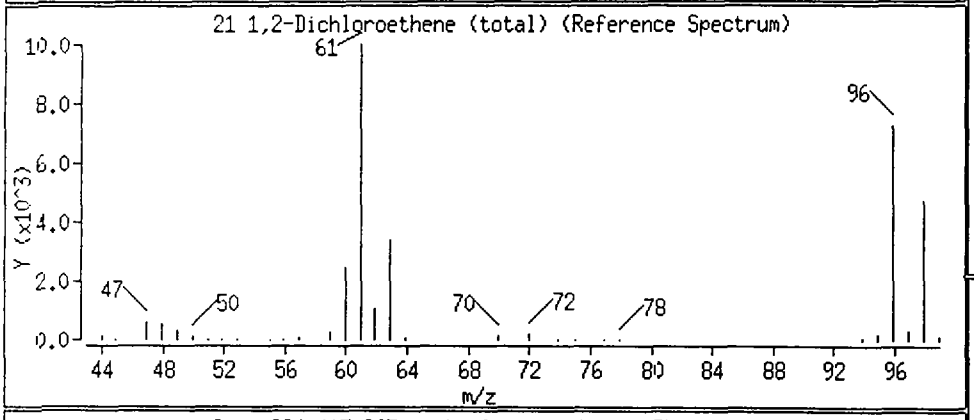
21 1,2-Dichloroethene (total)

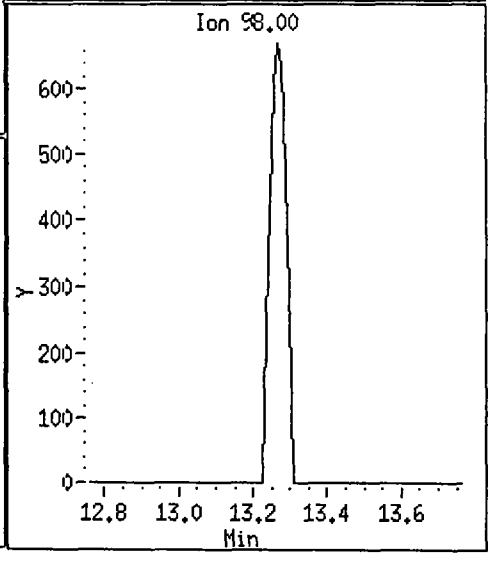


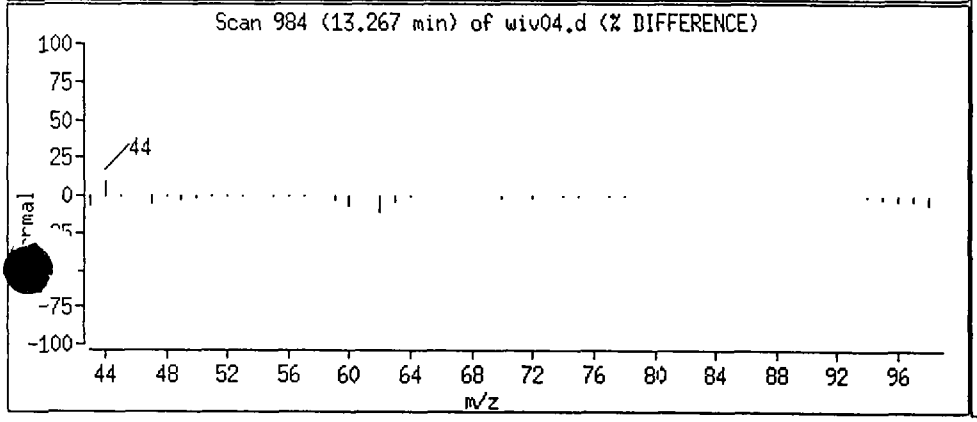












Data File: /chem/gcl2.i/950409.b/wiv04.d

Date : 10-APR-1995 00:44

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-003 BXB409

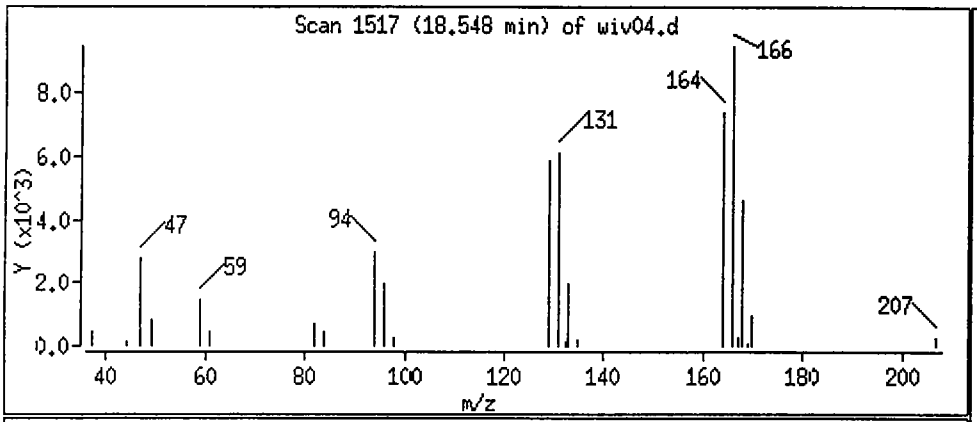
Purge Volume: 5.0

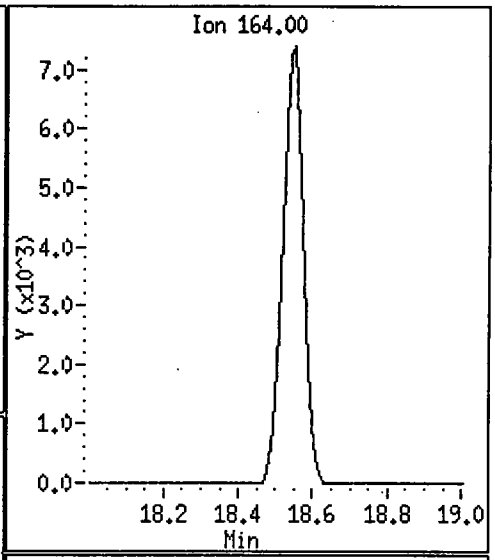
Operator: MANAGER MS

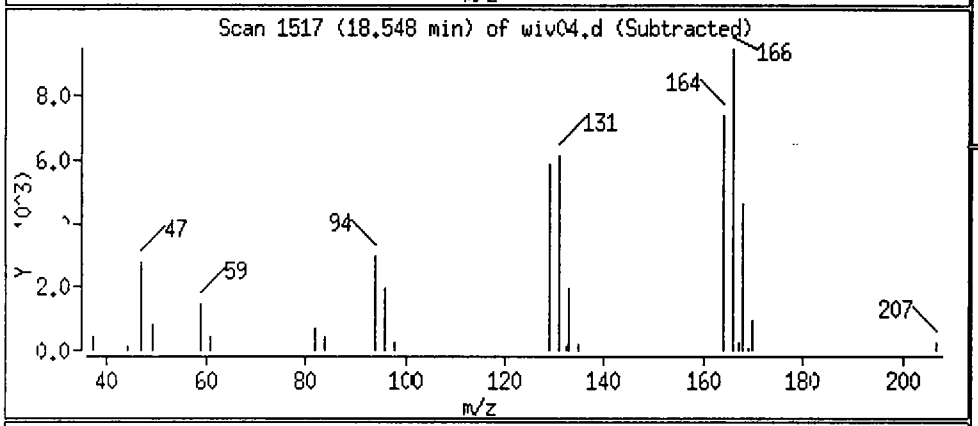
Column phase:

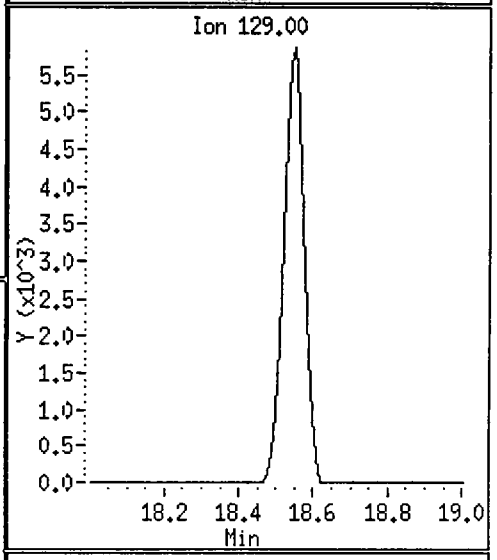
Column diameter: 2.00

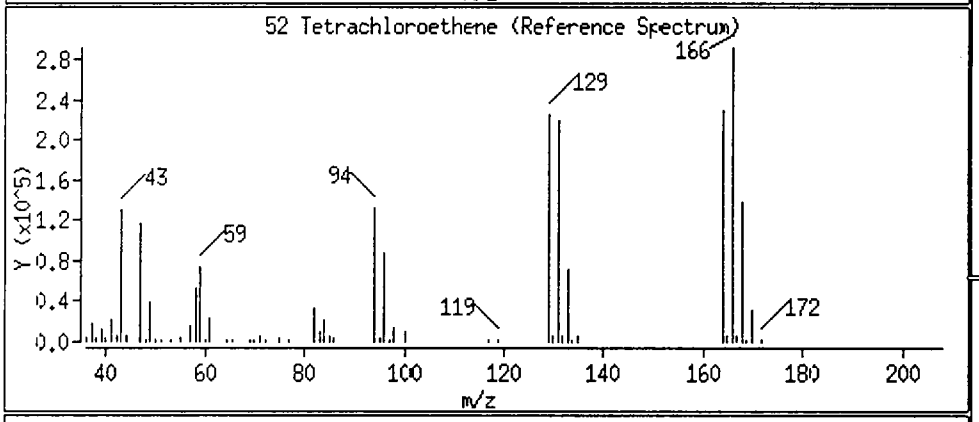
52 Tetrachloroethene

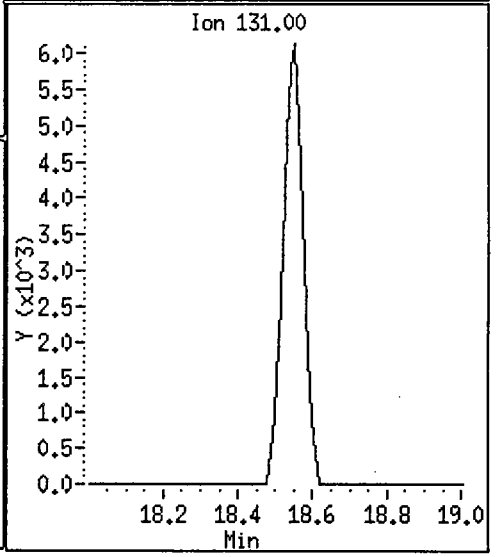


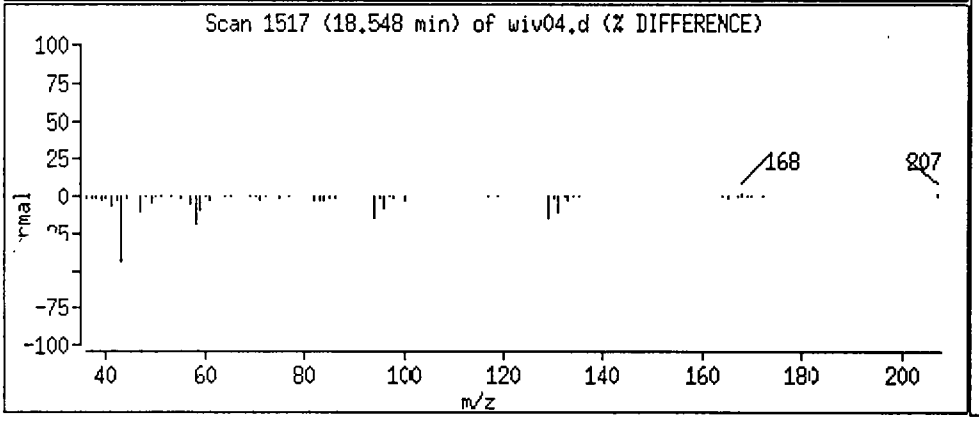












Data File: /chem/gcl2.i/950409.b/wiv04.d

Date : 10-APR-1995 00:44

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-003 BXB409

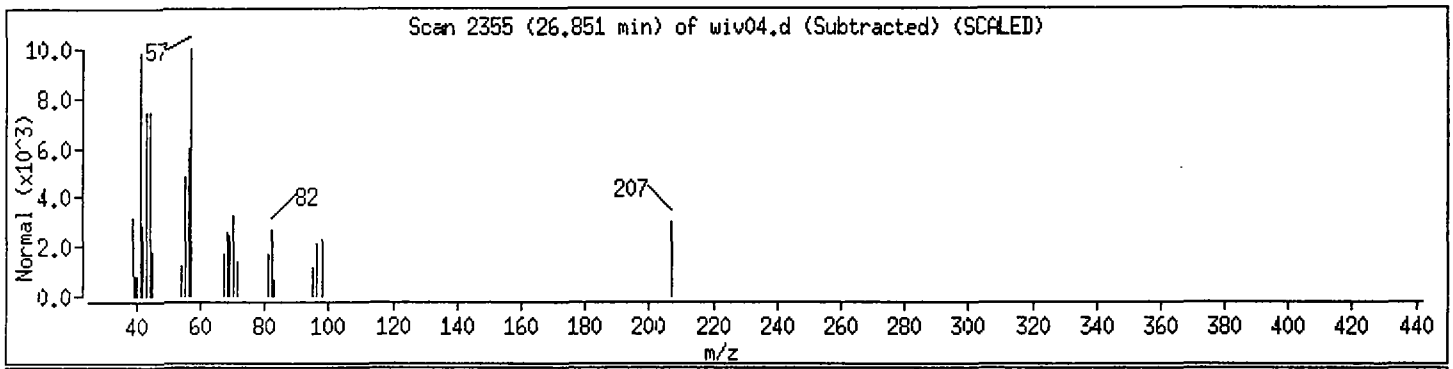
Purge Volume: 5.0

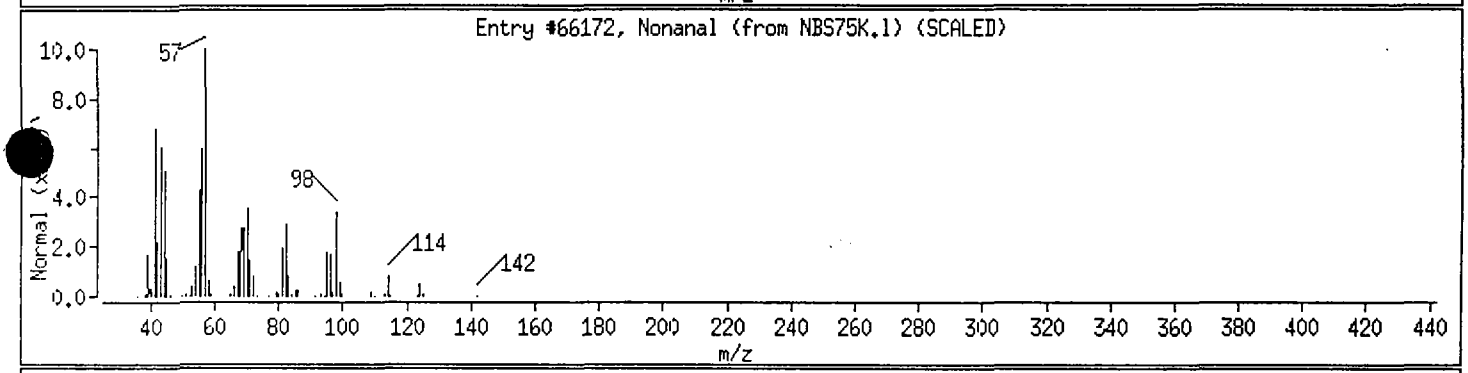
Operator: MANAGER MS

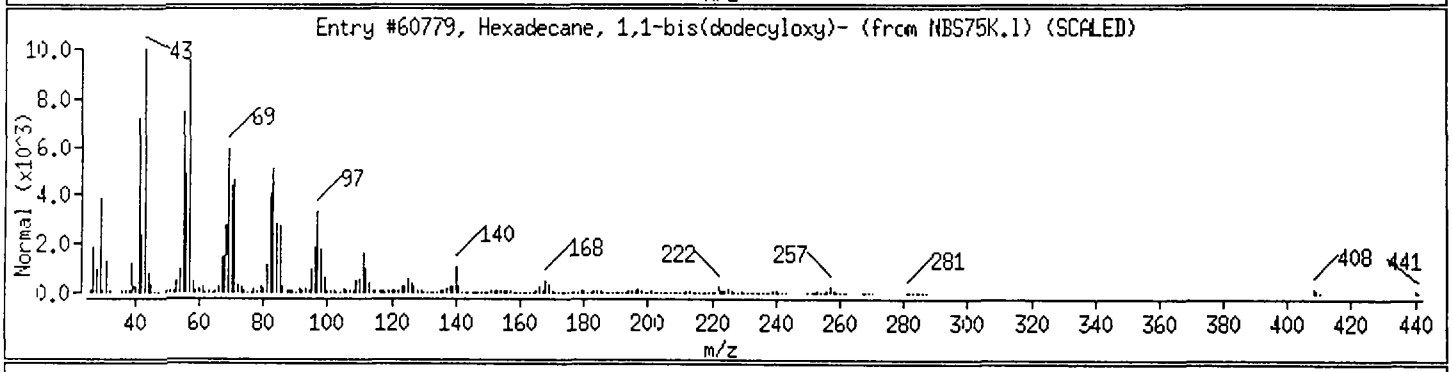
Column phase:

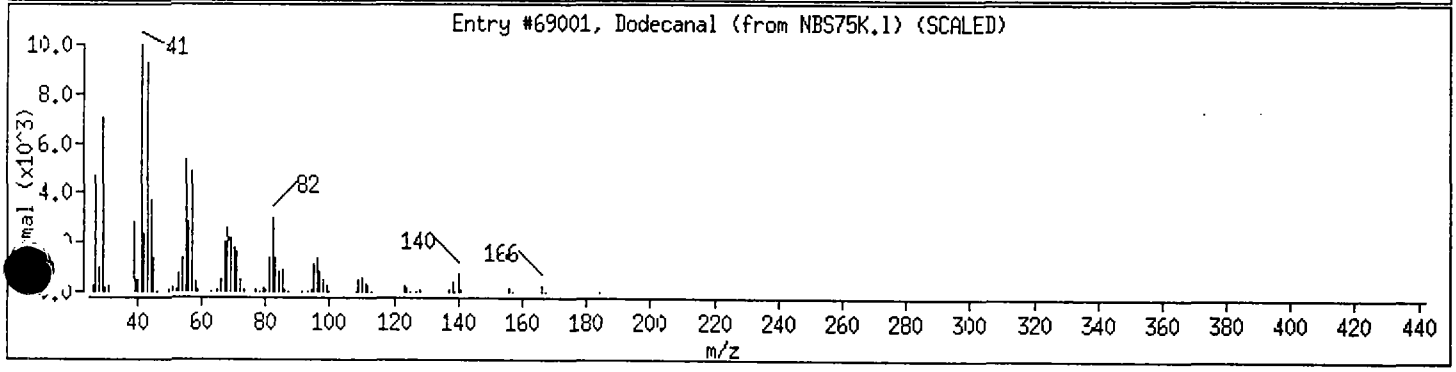
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NBS75K.l	66172	72	C9H18O	142
Hexadecane, 1,1-bis(dodecyloxy)-	56554-64-4	NBS75K.l	60779	25	C40H82O2	595
Dodecanal	112-54-9	NBS75K.l	69001	22	C12H24O	184









1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-005

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV05

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	13	
540-59-0	1,2-Dichloroethene (total)	10	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	120	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	30	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-005

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV05

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. _____ Date Analyzed: 04/10/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP12-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-005

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV05

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

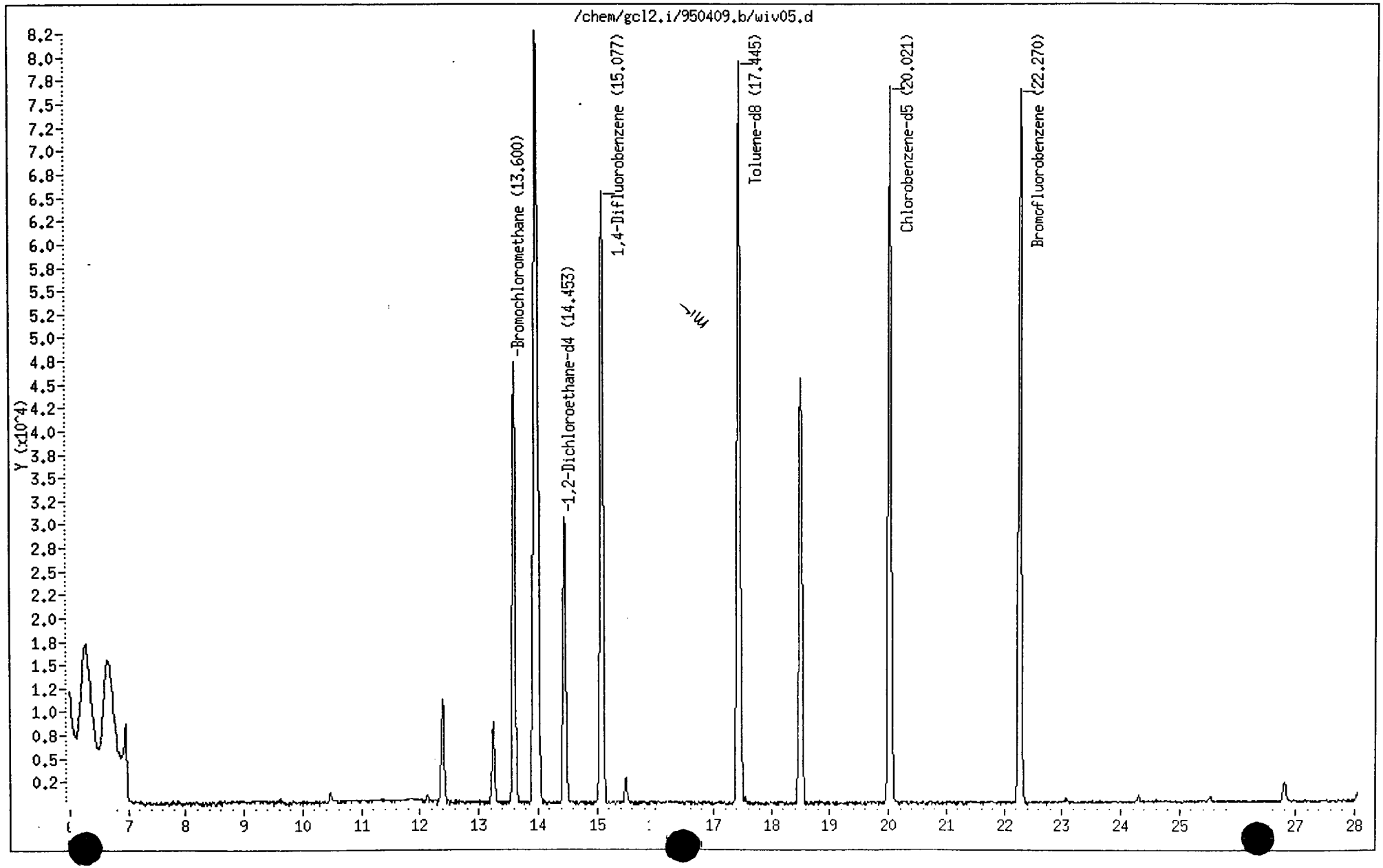
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gcl2.i/950409.b/wiv05.d
Date : 10-APR-1995 01:23
Client ID:
Sample Info: 9503G001-005 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv05.d
Lab Smp Id:
Inj Date : 10-APR-1995 01:23
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-005 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	19 1,1-Dichloroethane	63.00	12.392	12.405	(0.911)	21404	13.21	2.64
	21 1,2-Dichloroethene (total)	96.00	13.244	13.258	(0.974)	7219	10.07	2.01
	22 cis-1,2-Dichloroethene	96.00	13.244	13.258	(0.974)	7219	7.95	1.59
*	27 Bromochloromethane	127.80	13.600	13.615	(1.000)	19867	50.00	
	29 1,1,1-Trichloroethane	97.00	13.967	13.982	(0.926)	114866	123.4	24.68
	30 Carbon Tetrachloride	116.80	13.967	14.220	(0.926)	17939	21.56	4.31
$	33 1,2-Dichloroethane-d4	65.00	14.453	14.468	(1.063)	31837	52.20	10.44
*	36 1,4-Difluorobenzene	114.00	15.077	15.082	(1.000)	101440	50.00	
$	46 Toluene-d8	98.00	17.435	17.443	(0.871)	102845	49.69	9.94
	52 Tetrachloroethene	164.00	18.505	18.504	(0.924)	26584	30.28	6.06
*	56 Chlorobenzene-d5	117.00	20.021	20.031	(1.000)	90262	50.00	
$	64 Bromofluorobenzene	95.00	22.270	22.293	(1.112)	62058	50.50	10.10

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv05.d
Lab Smp Id:
Inj Date : 10-APR-1995 01:23
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-005 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 27 Bromochloromethane	13.600	153768	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide					CAS #: 124-38-9		
4.734	396544	128.9	25.79	3	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
5.121	264730	86.08	17.22	5	NBS75K.1	62263	27
Carbon dioxide					CAS #: 124-38-9		
5.498	243784	79.27	15.85	5	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
5.884	230930	75.09	15.02	5	NBS75K.1	62263	27
Carbon dioxide					CAS #: 124-38-9		
6.271	201794	65.62	13.12	3	NBS75K.1	62263	27
Carbon dioxide					CAS #: 124-38-9		
6.638	201098	65.39	13.08	3	NBS75K.1	34	27

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Carbon dioxide					CAS #: 124-38-9		
6.955	33940	11.04	2.21	3	NBS75K.1	34	27

Data File: /chem/gcl2.i/950409.b/wiv05.d

Date : 10-APR-1995 01:23

lient ID:

Sample Info: 9503G001-005 BXB409

Purge Volume: 5.0

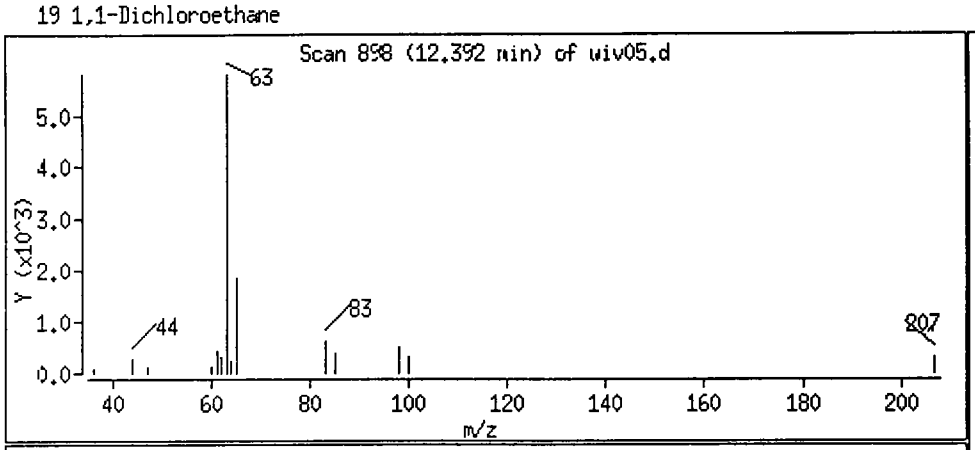
Column phase:

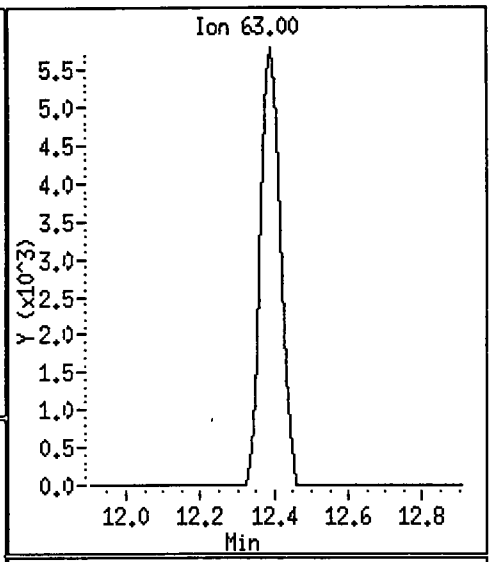
Instrument: gcl2.i

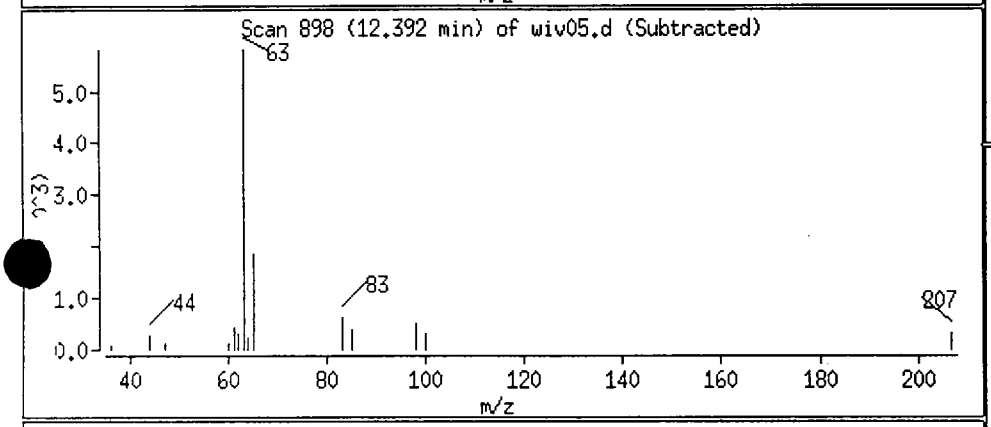
Operator: MANAGER MS

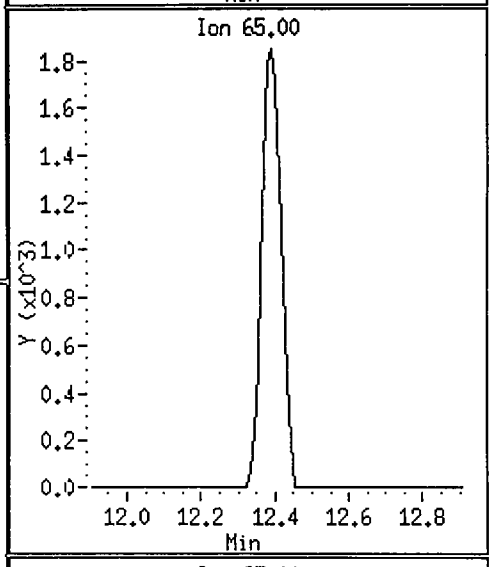
Column diameter: 2.00

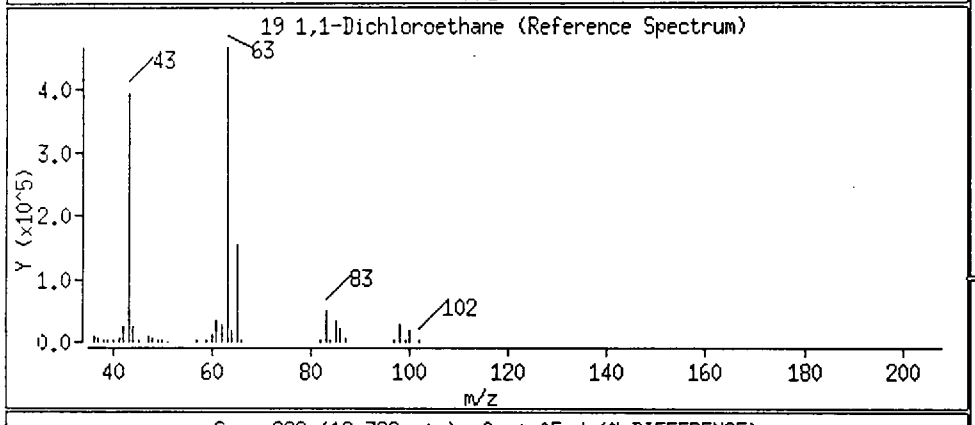
19 1,1-Dichloroethane

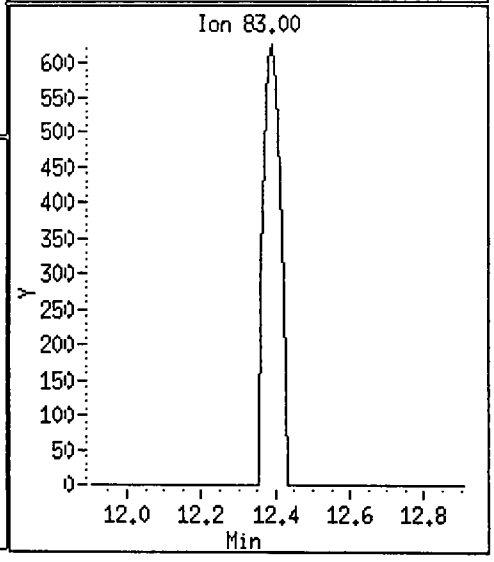


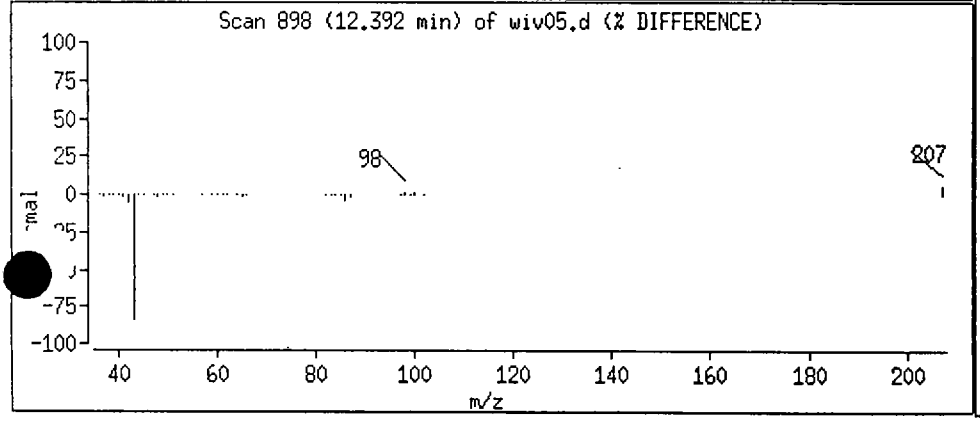












Data File: /chem/gcl2.i/950409.b/wiv05.d

Date : 10-APR-1995 01:23

lient ID:

Instrument: gcl2.i

Sample Info: 9503G001-005 BXB409

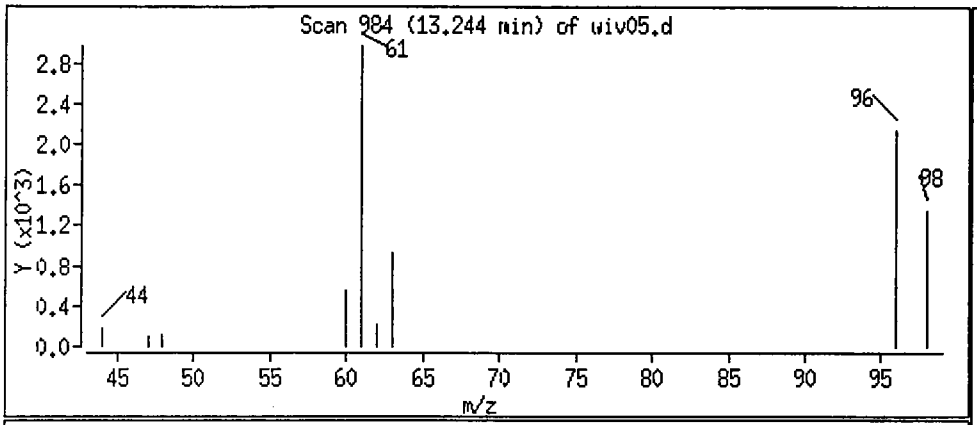
Purge Volume: 5.0

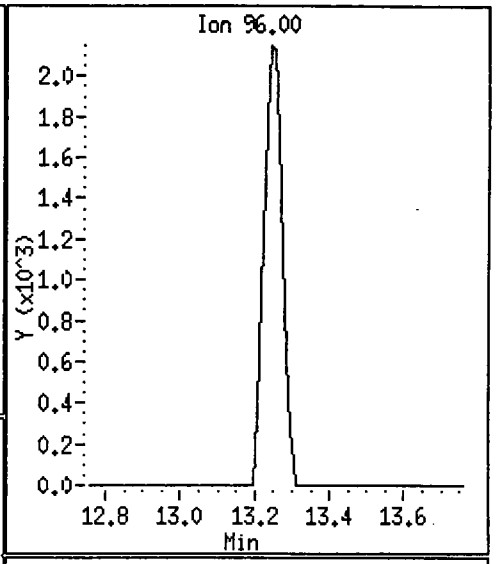
Operator: MANAGER MS

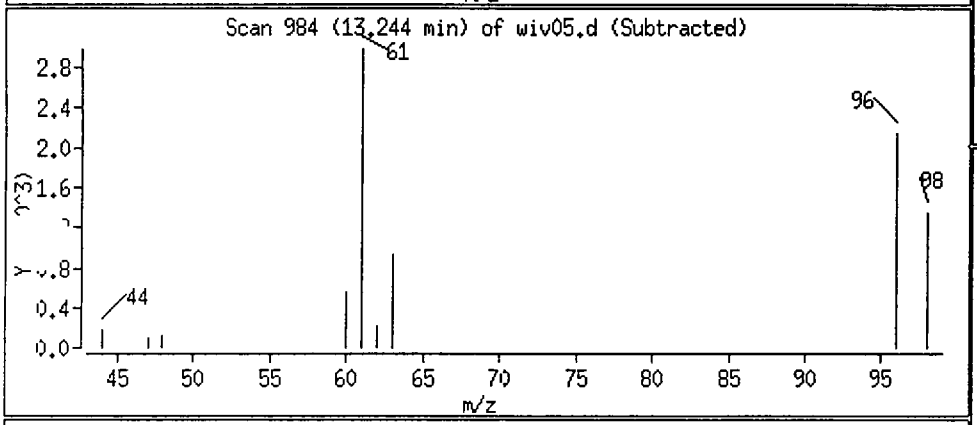
Column phase:

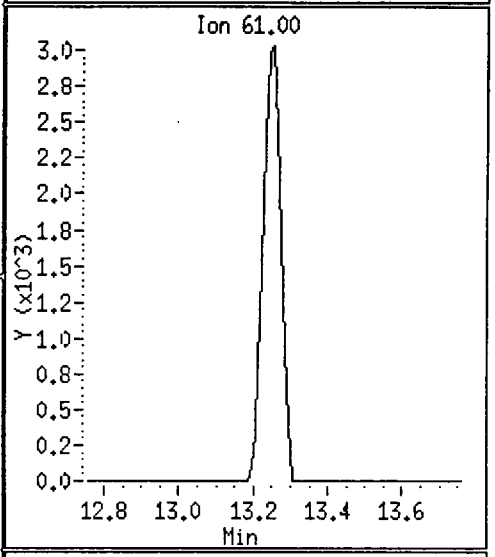
Column diameter: 2.00

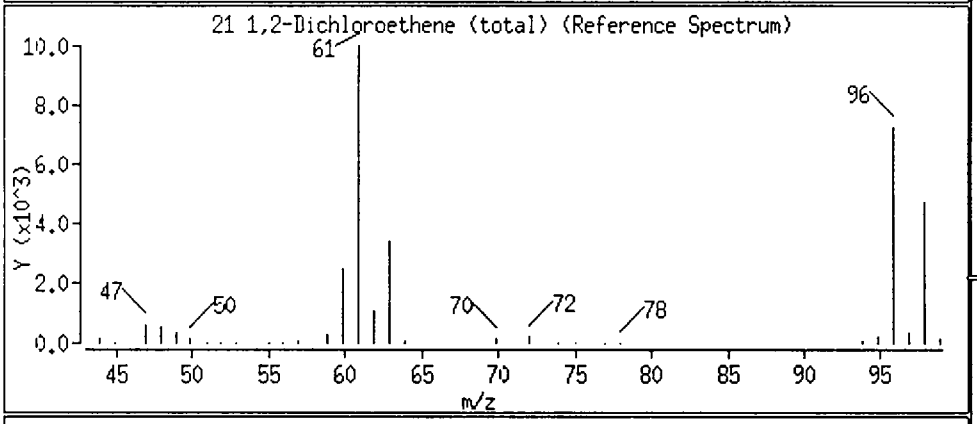
21 1,2-Dichloroethene (total)

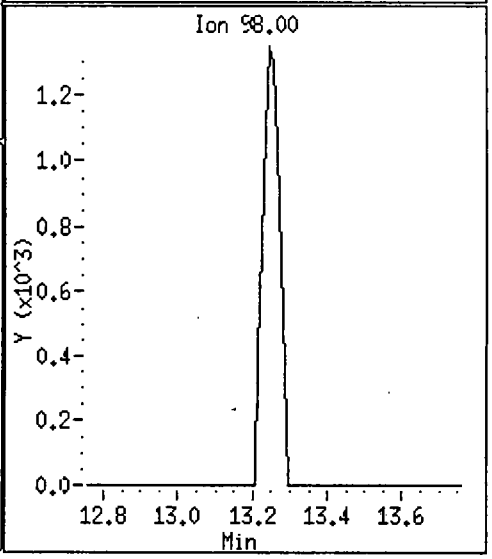


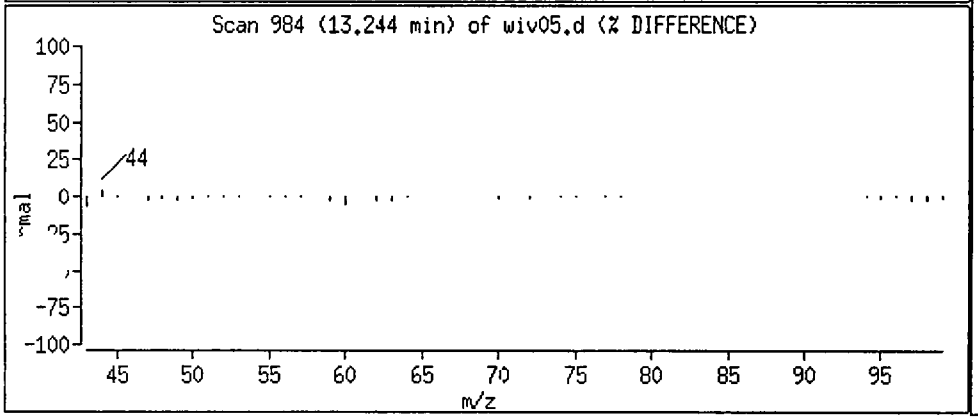












Data File: /chem/gcl2.i/950409.b/wiv05.d

Date : 10-APR-1995 01:23

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-005 BXB409

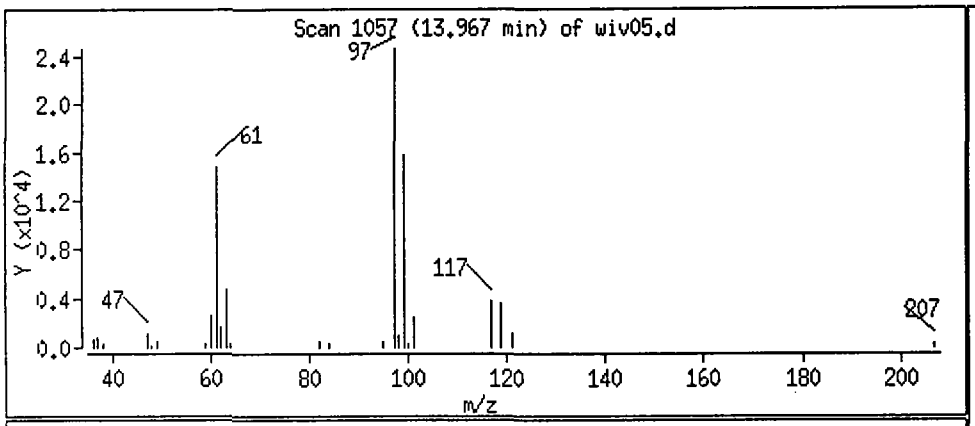
Purge Volume: 5.0

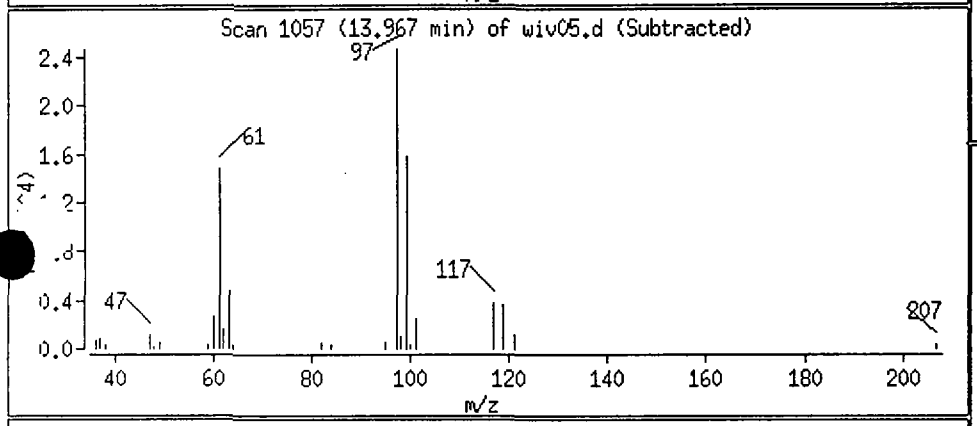
Operator: MANAGER MS

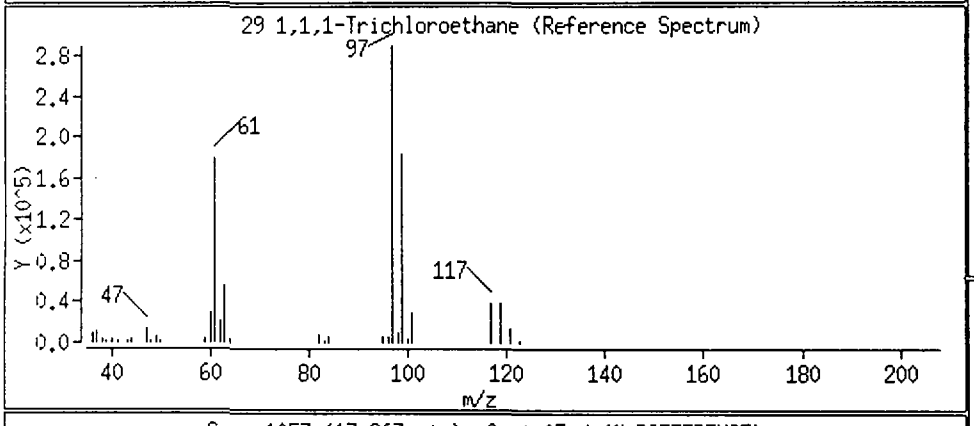
Column phase:

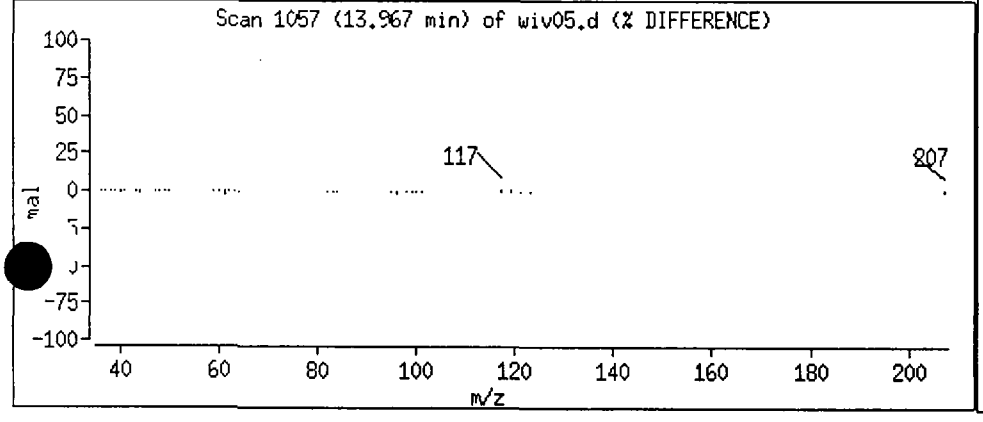
Column diameter: 2.00

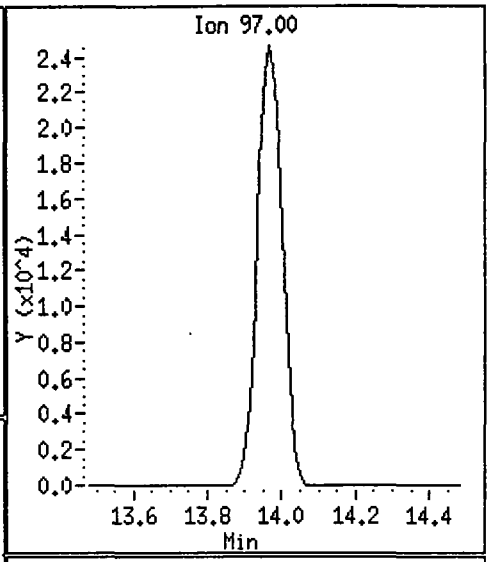
29 1,1,1-Trichloroethane

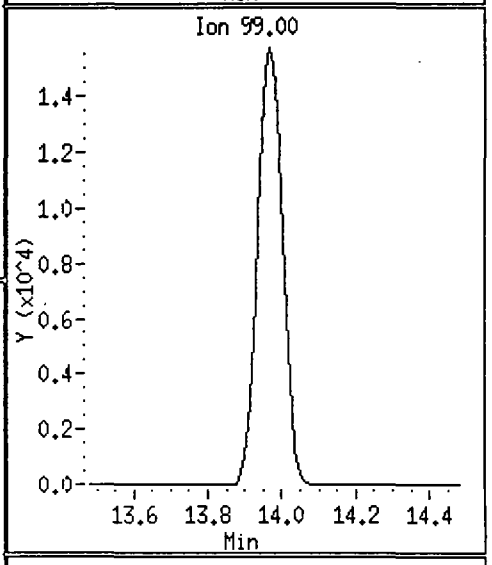


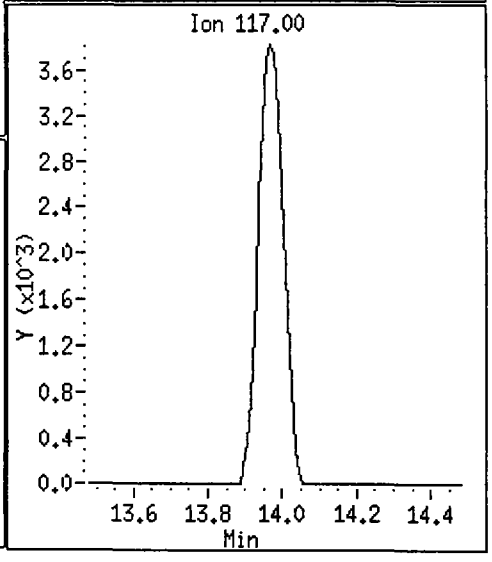












Data File: /chem/gcl2.i/950409.b/wiv05.d

Date : 10-APR-1995 01:23

.ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-005 BXB409

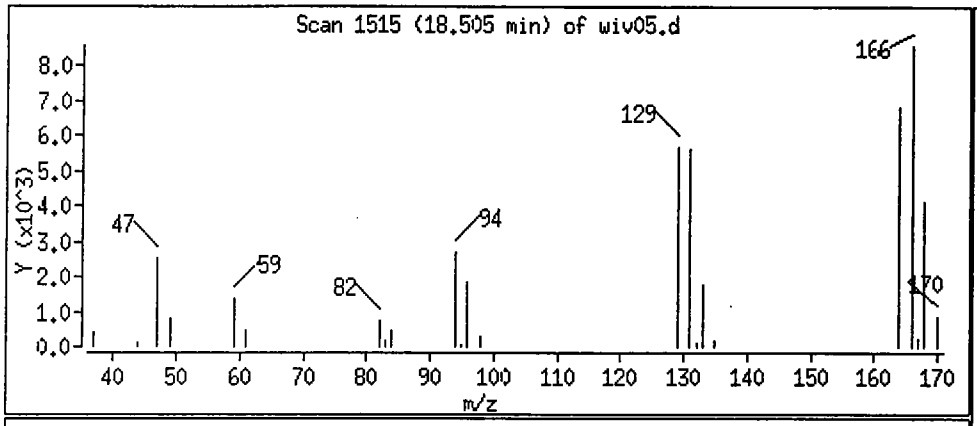
Purge Volume: 5.0

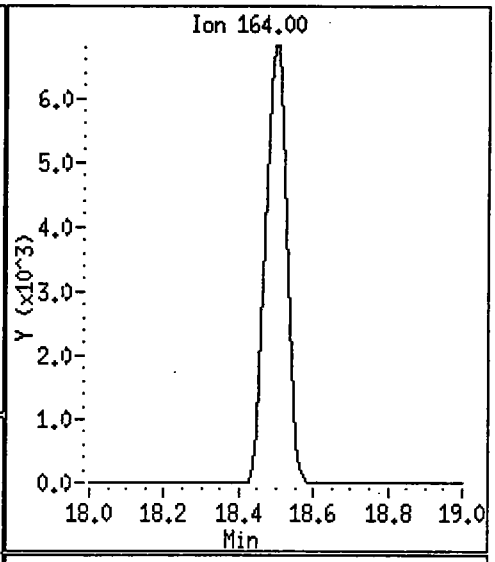
Operator: MANAGER MS

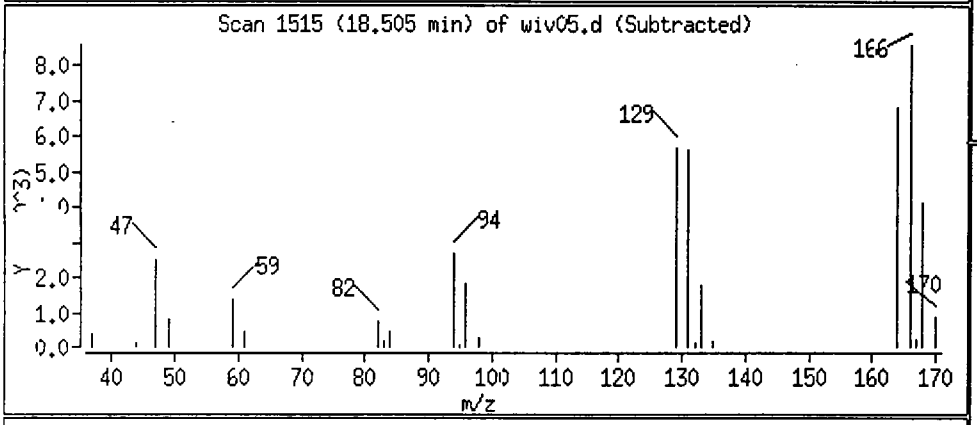
Column phase:

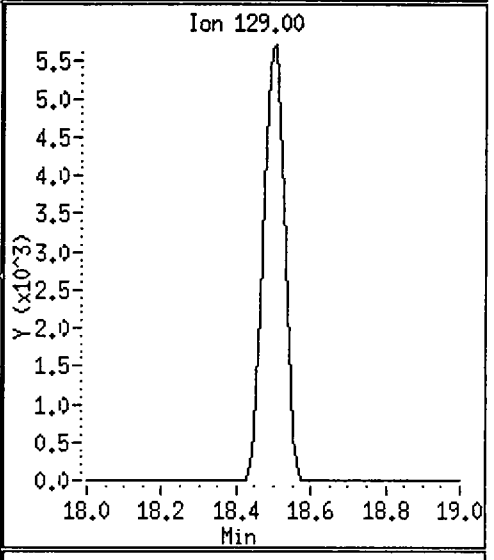
Column diameter: 2.00

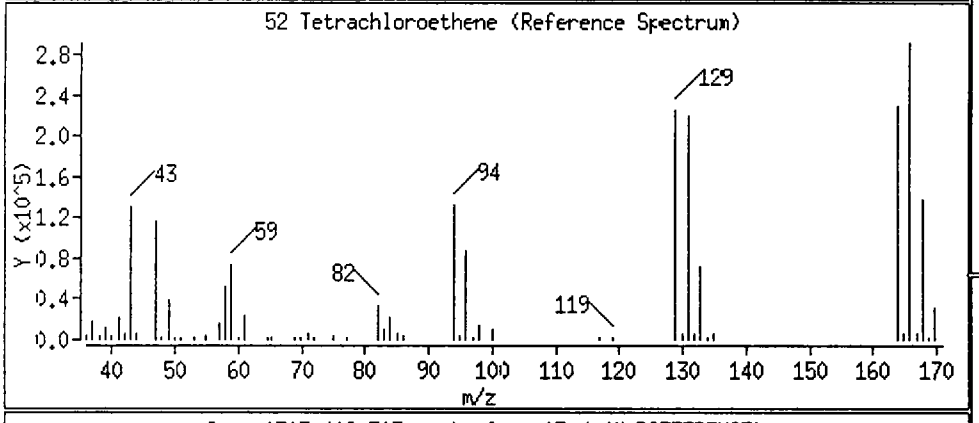
52 Tetrachloroethene

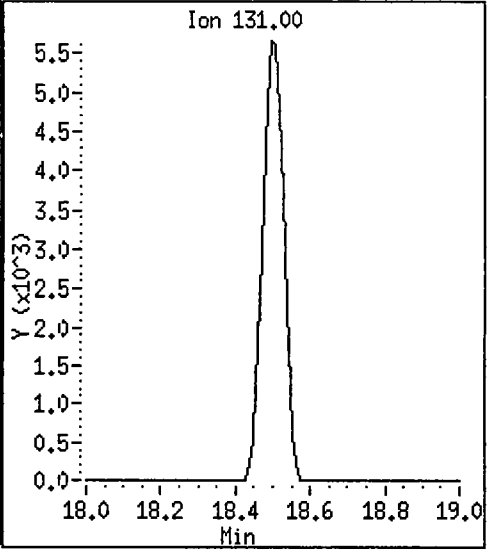


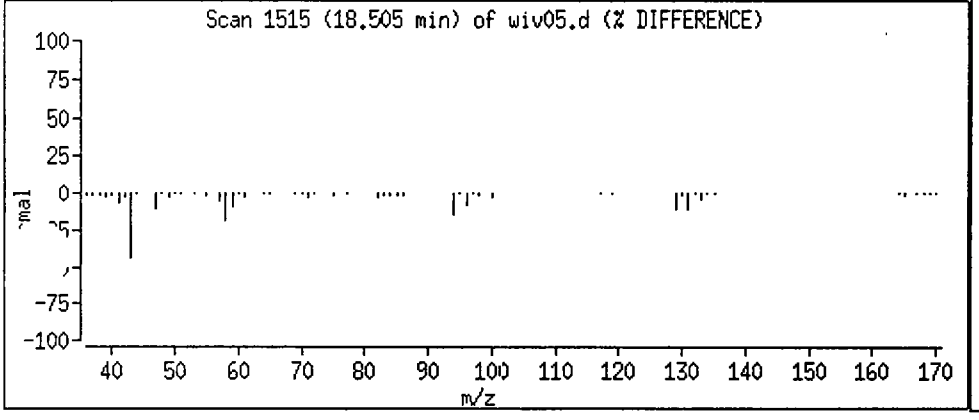












1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-007

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV06

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	4	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	12	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-007

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV06

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP12-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-007

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV06

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 1

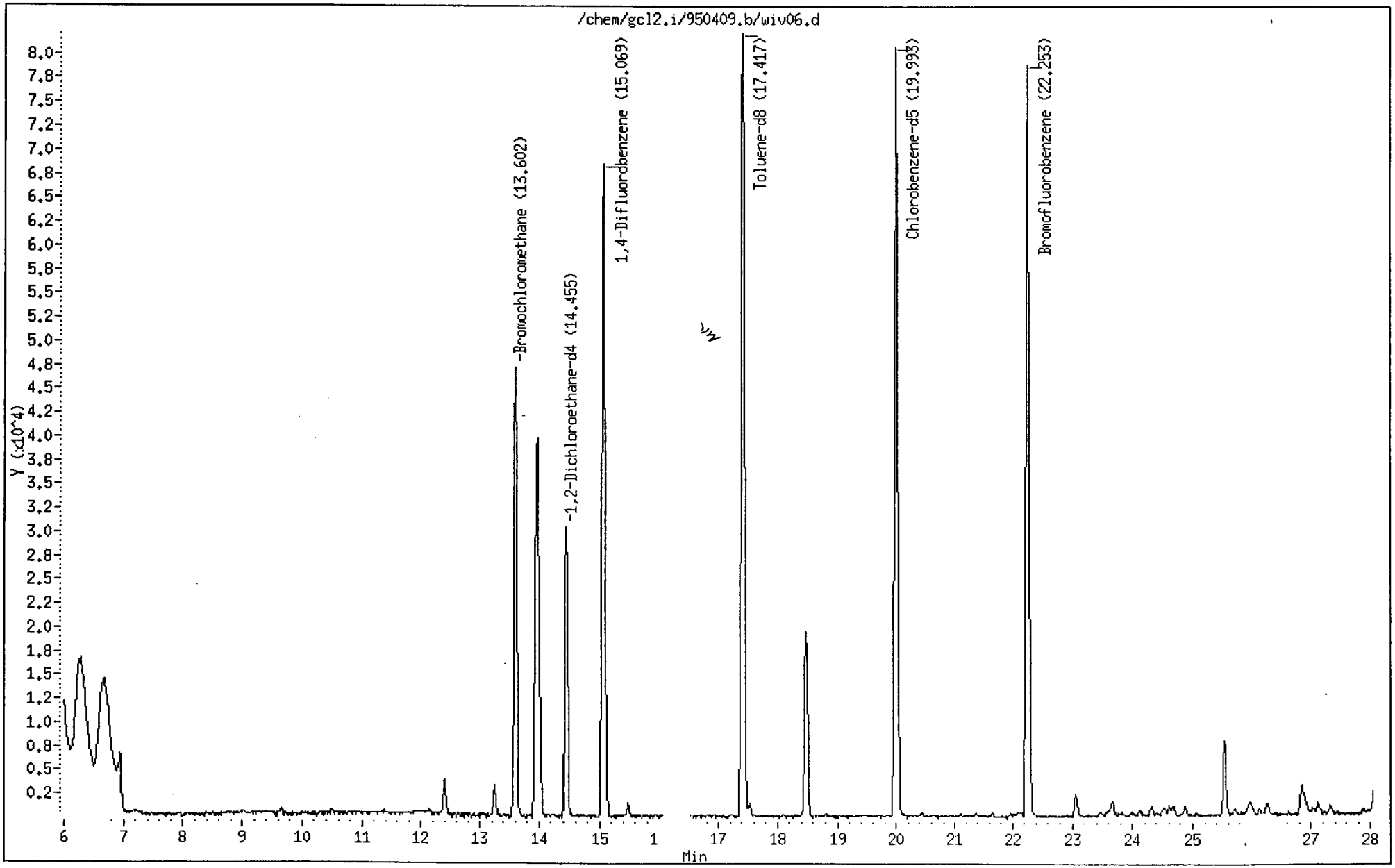
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	25.54	5	J

Data File: /chem/gcl2.i/950409.b/wiv06.d
Date : 10-APR-1995 02:01
Client ID:
Sample Info: 9503G001-007 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv06.d
Lab Smp Id:
Inj Date : 10-APR-1995 02:01
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-007 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	21 1,2-Dichloroethene (total) ✓	96.00	13.255	13.258	(0.974)	2879	3.96	0.793
	22 cis-1,2-Dichloroethene	96.00	13.255	13.258	(0.974)	2879	3.13	0.626
*	27 Bromochloromethane	127.80	13.602	13.615	(1.000)	20127 ✓	50.00	
	29 1,1,1-Trichloroethane	97.00	13.969	13.982	(0.927)	53941	56.70	11.34
	30 Carbon Tetrachloride	116.80	13.969	14.220	(0.927)	8142	9.57	1.91
$	33 1,2-Dichloroethane-d4	65.00	14.445	14.468	(1.062)	31479	50.95 ✓	10.19
*	36 1,4-Difluorobenzene	114.00	15.069	15.082	(1.000)	103673 ✓	50.00	
$	46 Toluene-d8	98.00	17.417	17.443	(0.871)	105759	48.53 ✓	9.71
	52 Tetrachloroethene	164.00	18.477	18.504	(0.924)	10827	11.71	2.34
*	56 Chlorobenzene-d5	117.00	19.993	20.031	(1.000)	95029 ✓	50.00	
$	64 Bromofluorobenzene	95.00	22.263	22.293	(1.113)	65026	50.26 ✓	10.05

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv06.d
Lab Smp Id:
Inj Date : 10-APR-1995 02:01
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-007 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 7 Bromochloromethane	13.602	153750	50.000
* 56 Chlorobenzene-d5	19.993	291924	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide				CAS #: 124-38-9			
4.725	385407	125.3	25.07	5	NBS75K.1	62263	27
Carbon dioxide				CAS #: 124-38-9			
5.111	276765	90.00	18.00	5	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
5.498	219542	71.40	14.28	3	NBS75K.1	62263	27
Carbon dioxide				CAS #: 124-38-9			
5.885	215348	70.03	14.01	3	NBS75K.1	62263	27
Carbon dioxide				CAS #: 124-38-9			
6.271	191835	62.38	12.48	3	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
6.678	193081	62.79	12.56	3	NBS75K.1	34	27

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Ethylene oxide					CAS #: 75-21-8		
6.945	27018	8.79	1.76	2	NBS75K.1	62267	27
Dodecane					CAS #: 112-40-3		
25.543	29250	5.01	1.00	59	NBS75K.1	68251	56

Data File: /chem/gcl2.i/950409.b/wiv06.d

Date : 10-APR-1995 02:01

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-007 BXB409

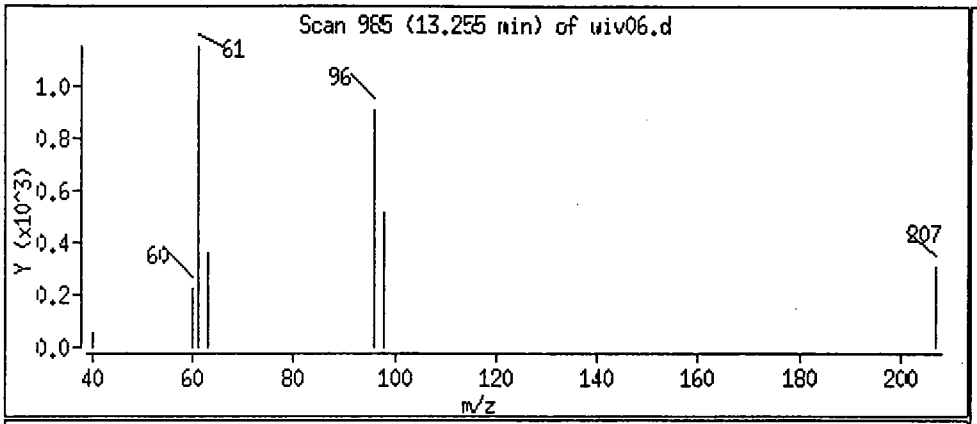
Purge Volume: 5.0

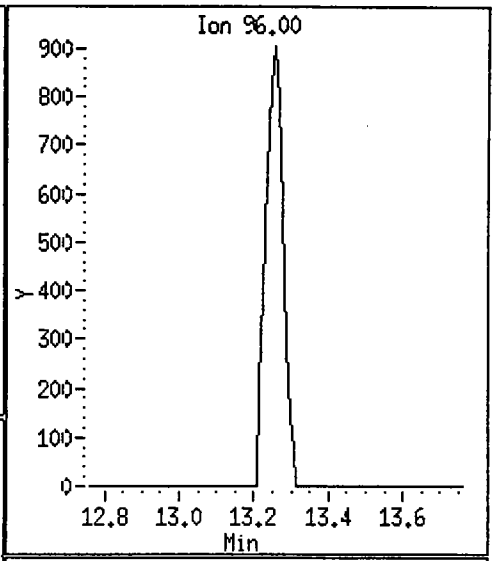
Operator: MANAGER MS

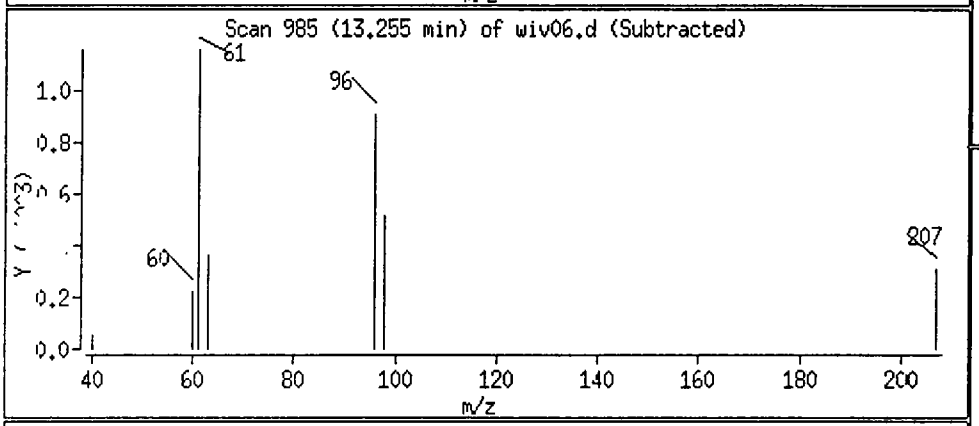
Column phase:

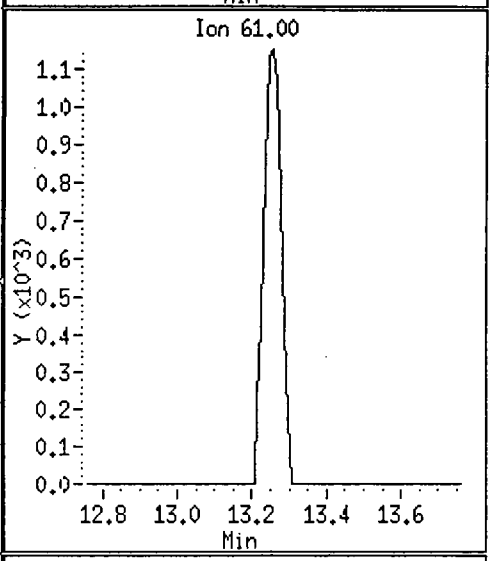
Column diameter: 2.00

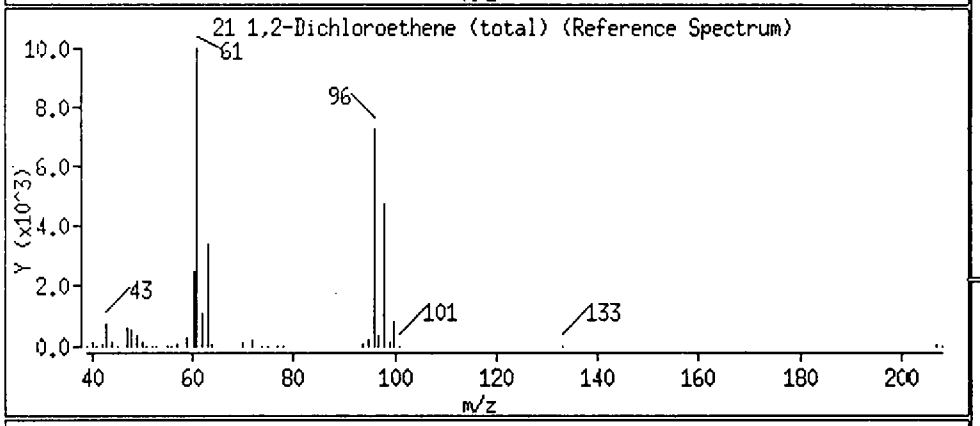
21 1,2-Dichloroethene (total)

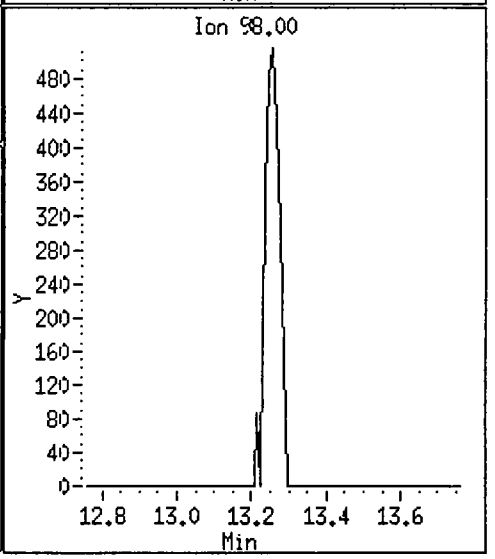


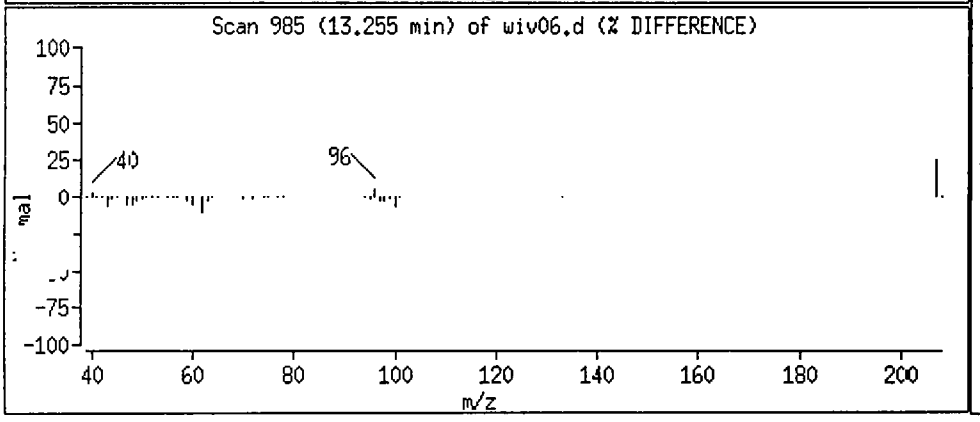












Data File: /chem/gcl2.i/950409.b/wiv06.d

Date : 10-APR-1995 02:01

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-007 BXB409

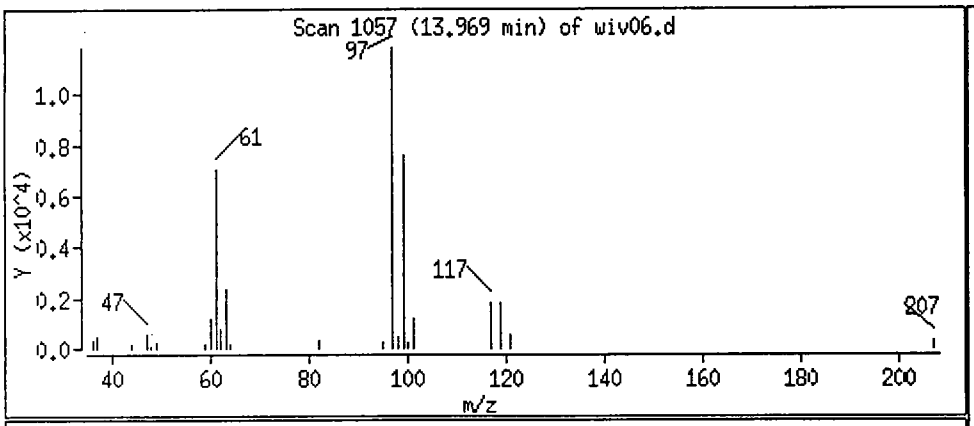
Purge Volume: 5.0

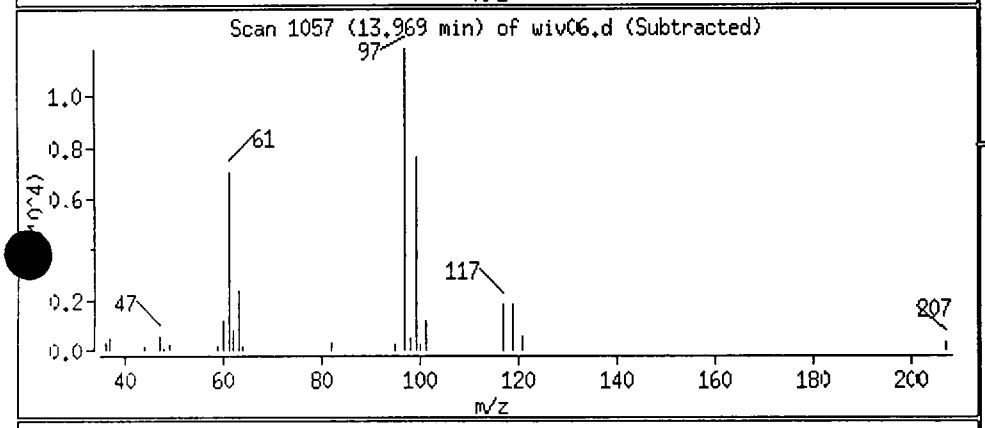
Operator: MANAGER MS

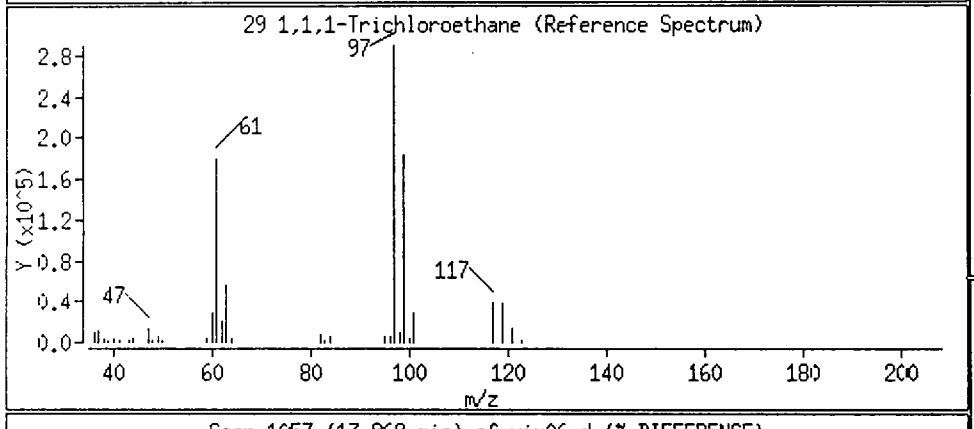
Column phase:

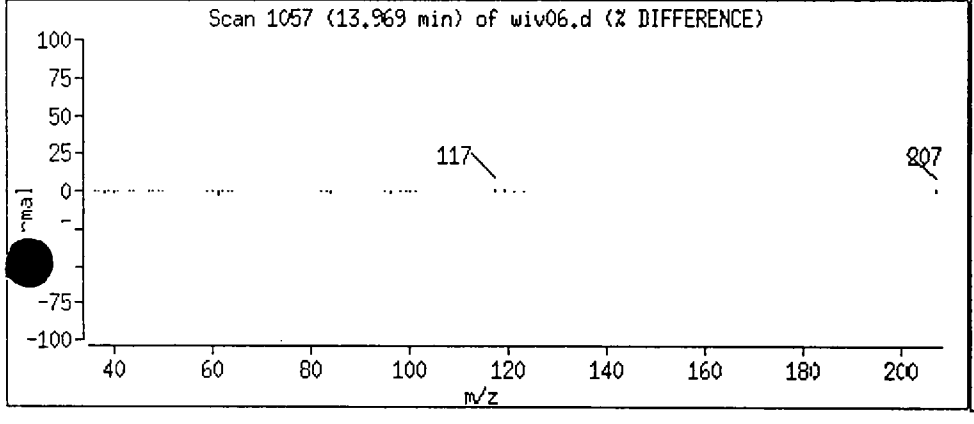
Column diameter: 2.00

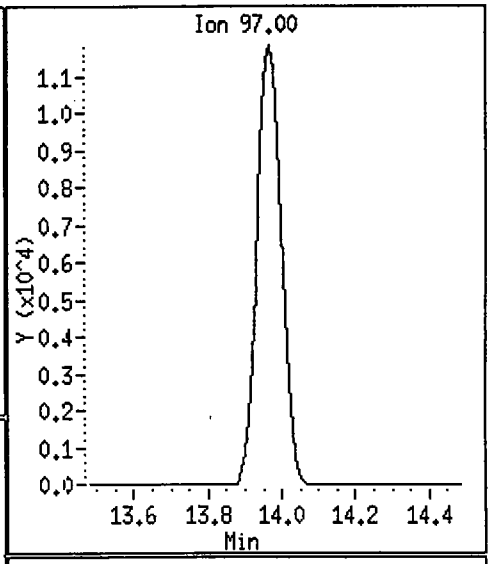
29 1,1,1-Trichloroethane

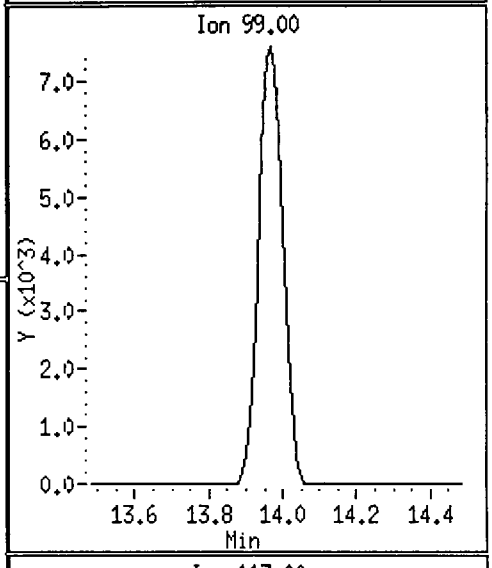


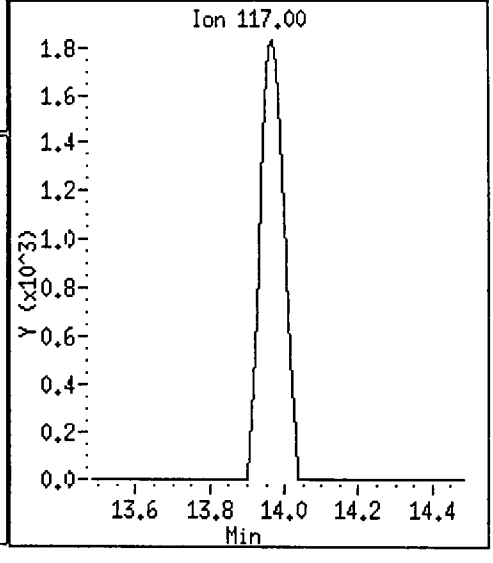












Data File: /chem/gcl2.i/950409.b/wiv06.d

Date : 10-APR-1995 02:01

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-007 BXB409

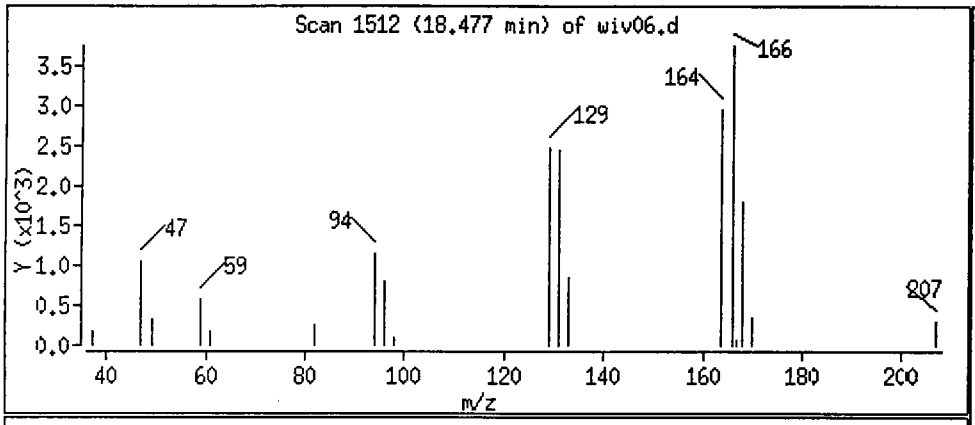
Purge Volume: 5.0

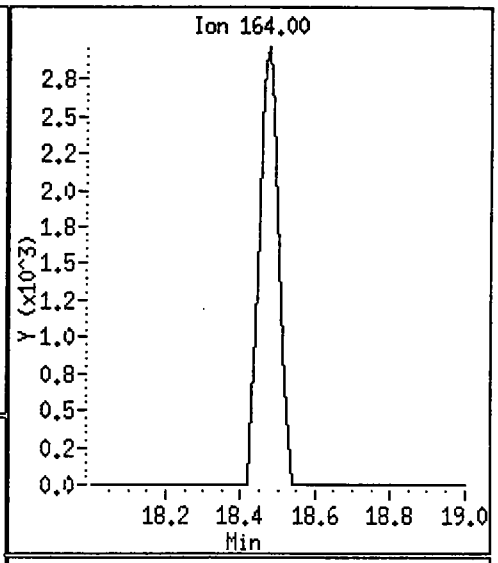
Operator: MANAGER MS

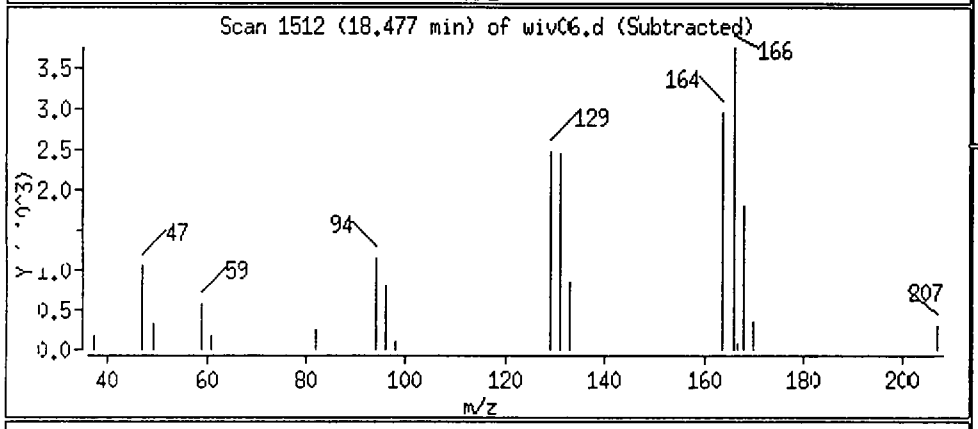
Column phase:

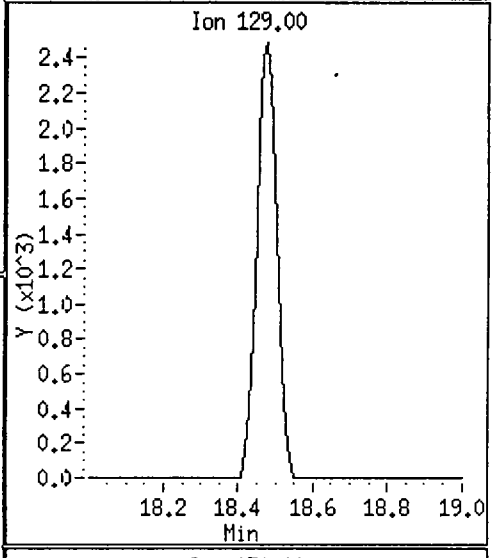
Column diameter: 2.00

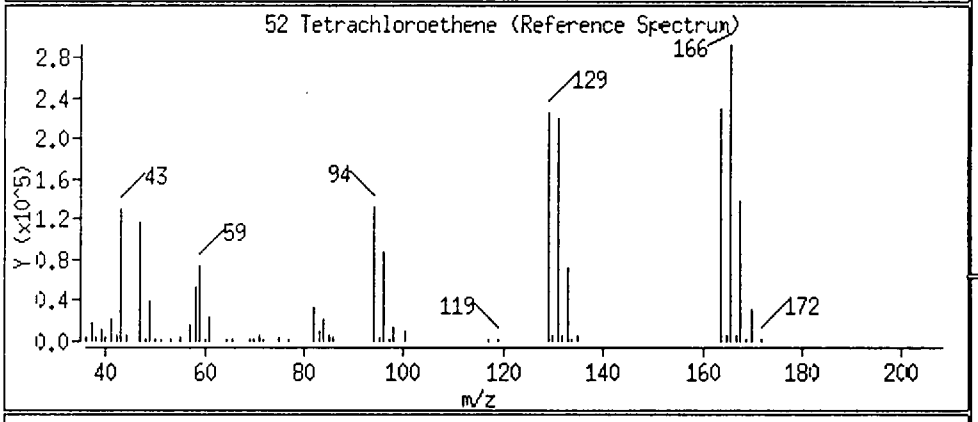
52 Tetrachloroethene

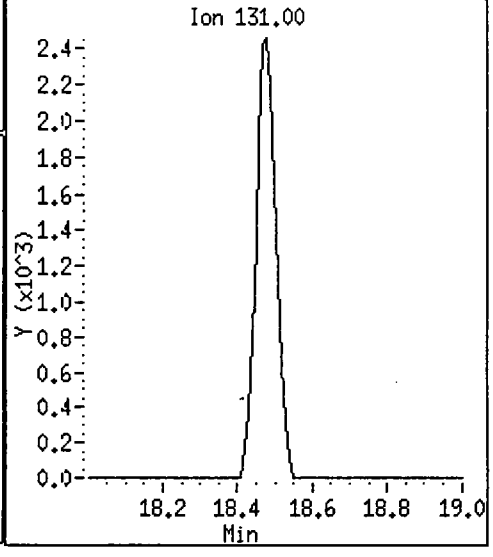


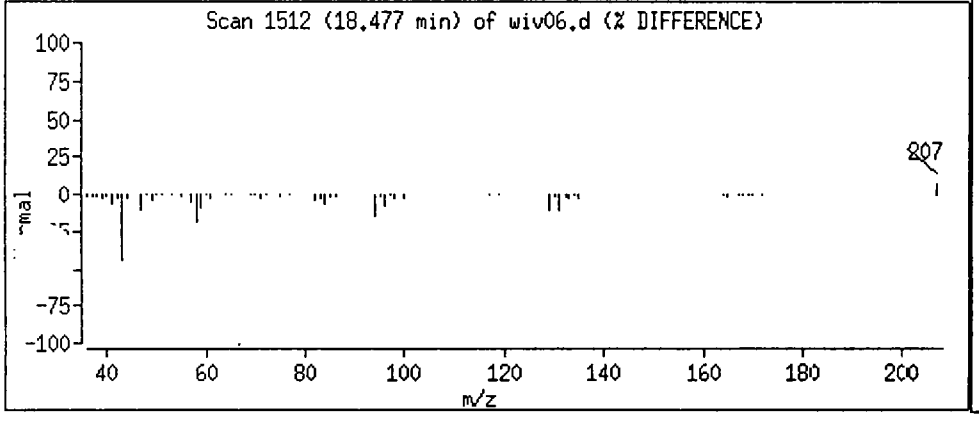












Data File: /chem/gcl2.i/950409.b/wiv06.d

Date : 10-APR-1995 02:01

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-007 BXB409

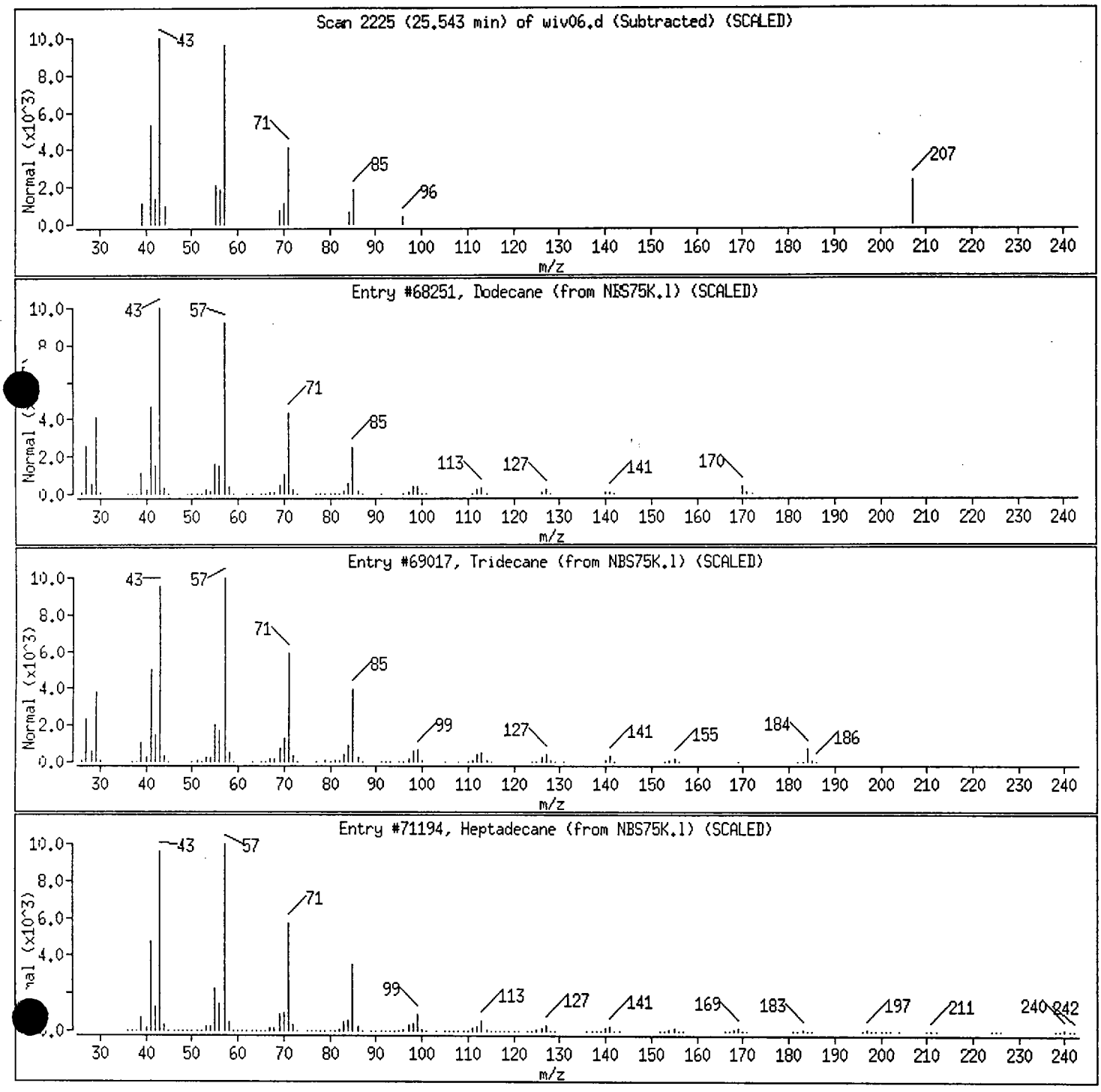
Purge Volume: 5.0

Operator: MANAGER MS

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	NBS75K.l	68251	59	C12H26	170
Tridecane	629-50-5	NBS75K.l	69017	59	C13H28	184
Heptadecane	629-78-7	NBS75K.l	71194	59	C17H36	240



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWD-DP

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-009

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV07

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. _____ Date Analyzed: 04/10/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	68	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	14	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-GWD-DP

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-009

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV07

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP12-GWD-DP

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-009

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV07

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 2

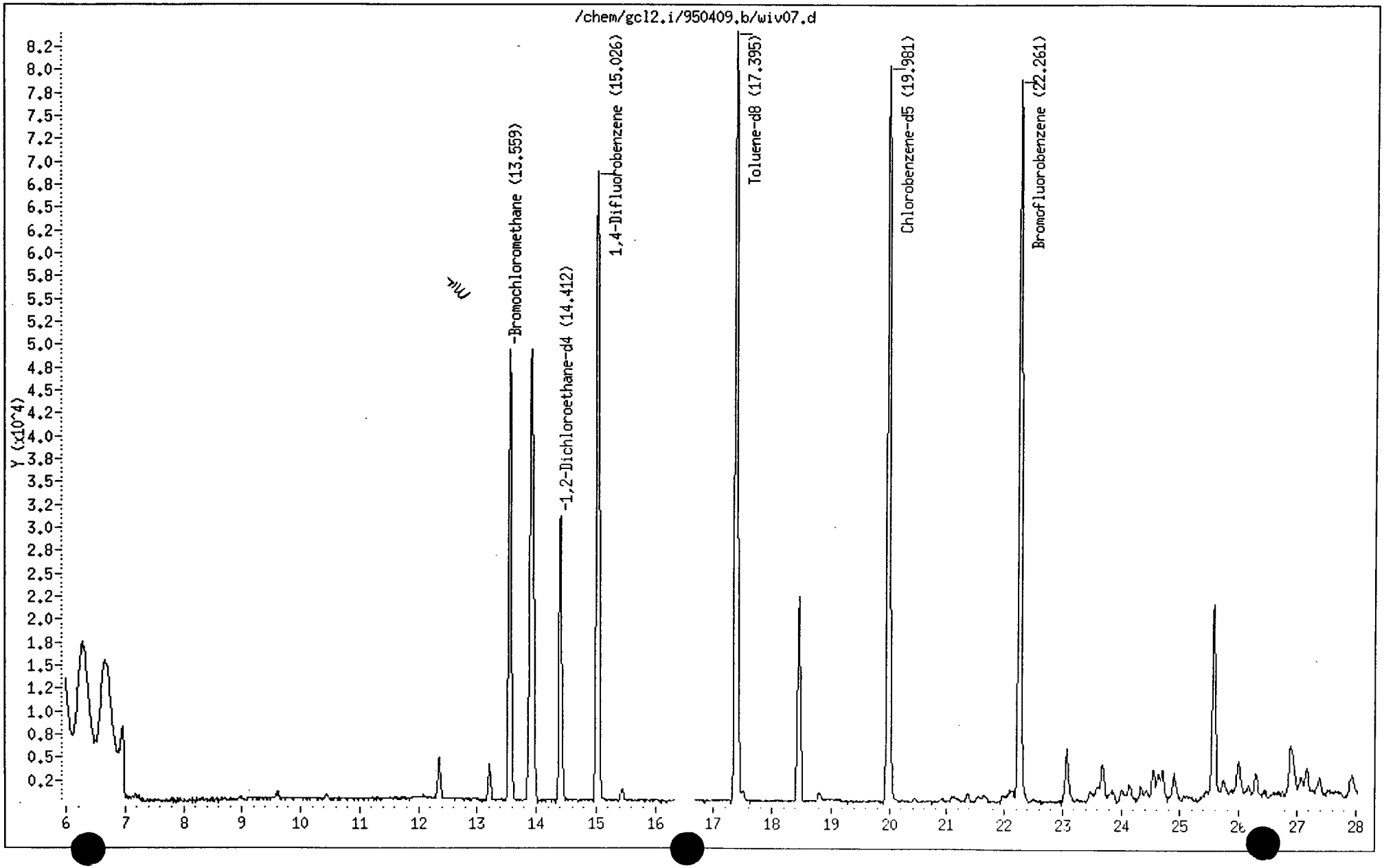
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	25.57	10	J
2.	UNKNOWN	26.88	6	J

Data File: /chem/gcl2.i/950409.b/wiv07.d
Date : 10-APR-1995 02:39
Client ID:
Sample Info: 9503G001-009 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv07.d
Lab Smp Id:
Inj Date : 10-APR-1995 02:39
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-009 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	21 1,2-Dichloroethene (total)	96.00	13.202	13.258	(0.974)	3524	4.76	0.952
	22 cis-1,2-Dichloroethene	96.00	13.202	13.258	(0.974)	3524	3.76	0.752
*	27 Bromochloromethane	127.80	13.559	13.615	(1.000)	20514	50.00	
	29 1,1,1-Trichloroethane	97.00	13.926	13.982	(0.927)	65920	67.60	13.52
	30 Carbon Tetrachloride	116.80	13.916	14.220	(0.926)	10155	11.65	2.33
$	33 1,2-Dichloroethane-d4	65.00	14.412	14.468	(1.063)	32654	51.85	10.37
*	36 1,4-Difluorobenzene	114.00	15.026	15.082	(1.000)	106263	50.00	
$	46 Toluene-d8	98.00	17.395	17.443	(0.871)	107496	48.63	9.73
	52 Tetrachloroethene	164.00	18.455	18.504	(0.924)	12770	13.62	2.72
*	56 Chlorobenzene-d5	117.00	19.981	20.031	(1.000)	96394	50.00	
$	64 Bromofluorobenzene	95.00	22.261	22.293	(1.114)	64557	49.20	9.84

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv07.d
Lab Smp Id:
Inj Date : 10-APR-1995 02:39
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-009 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 27 Bromochloromethane	13.559	157618	50.000
* 56 Chlorobenzene-d5	19.981	301949	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide					CAS #: 124-38-9		
4.751	427748	135.7	27.14	5	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
5.138	249376	79.11	15.82	5	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
5.515	220389	69.91	13.98	5	NBS75K.1	62263	27
Carbon dioxide					CAS #: 124-38-9		
5.901	215006	68.20	13.64	3	NBS75K.1	62263	27
Carbon dioxide					CAS #: 124-38-9		
6.278	201358	63.88	12.78	3	NBS75K.1	34	27
Carbon dioxide					CAS #: 124-38-9		
6.654	209967	66.61	13.32	3	NBS75K.1	34	27

	CONCENTRATIONS				QUANT		
	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Acetaldehyde					CAS #: 75-07-0		
6.952	40204	12.75	2.55	2	NBS75K.1	62264	27
Undecane					CAS #: 1120-21-4		
25.573	76355	12.64	2.53	95	NBS75K.1	11611	56
Nonanal					CAS #: 124-19-6		
26.882	37120	6.15	1.23	50	NBS75K.1	66173	56

Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-009 BXB409

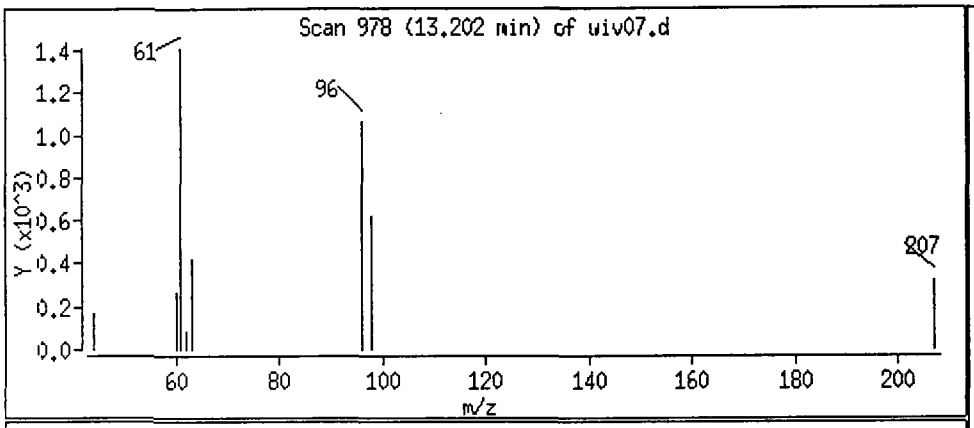
Purge Volume: 5.0

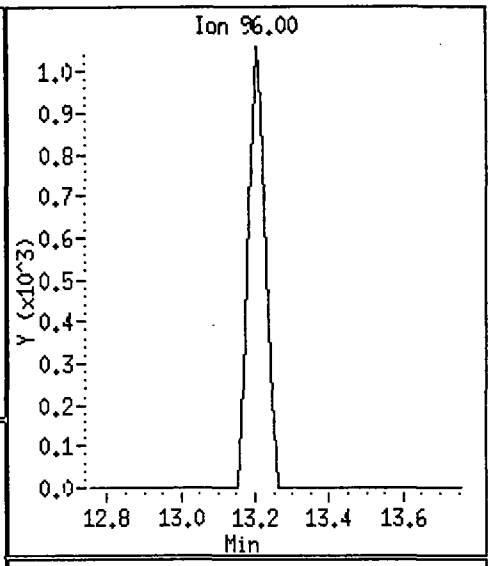
Operator: MANAGER MS

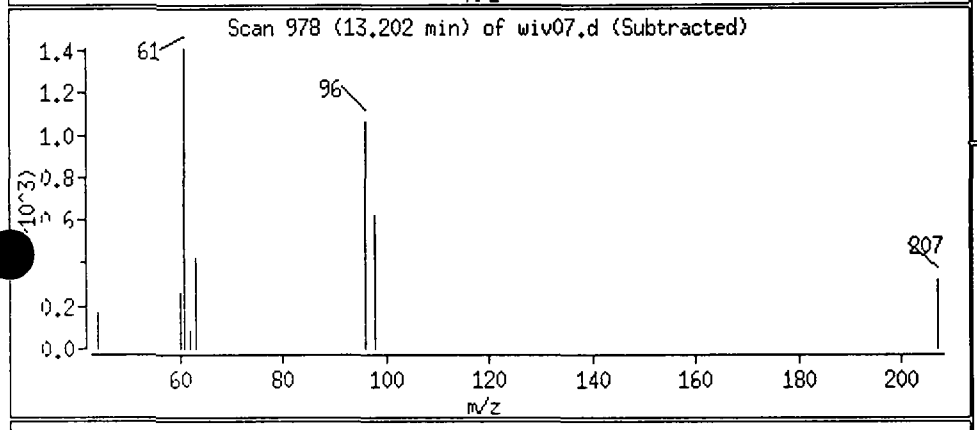
Column phase:

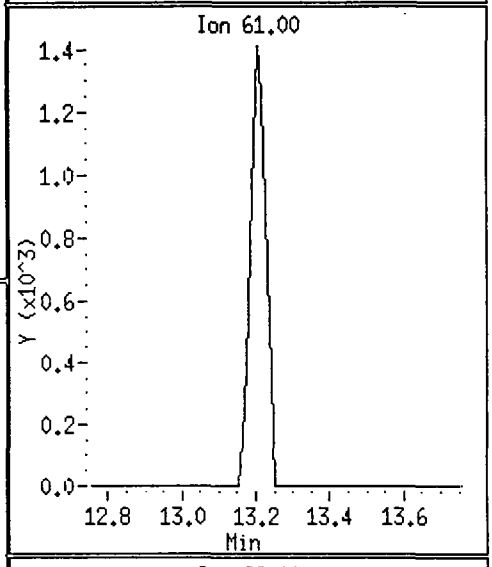
Column diameter: 2.00

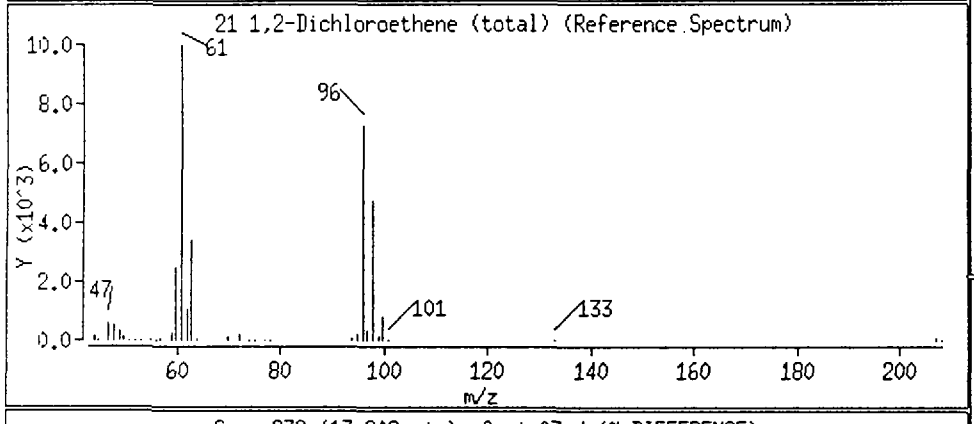
21 1,2-Dichloroethene (total)

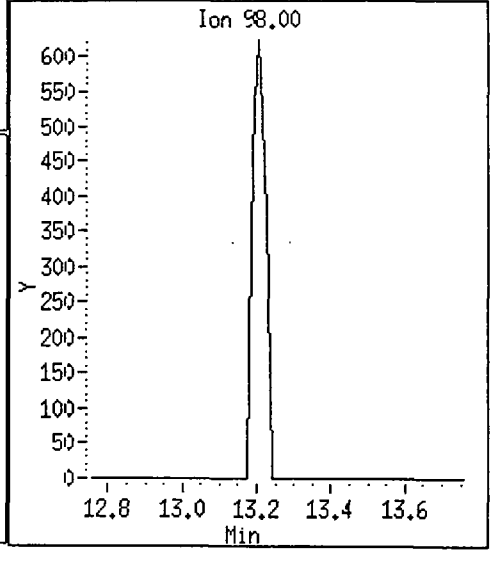


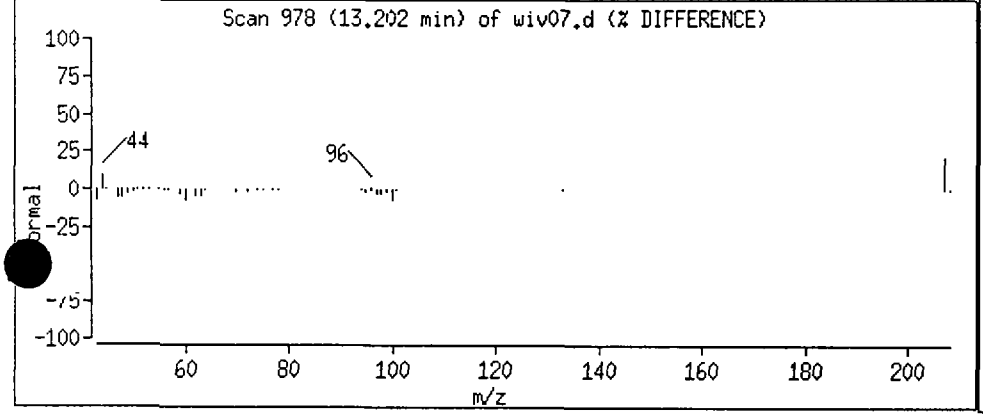












Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

Client ID:

Sample Info: 9503G001-009 BXB409

Purge Volume: 5.0

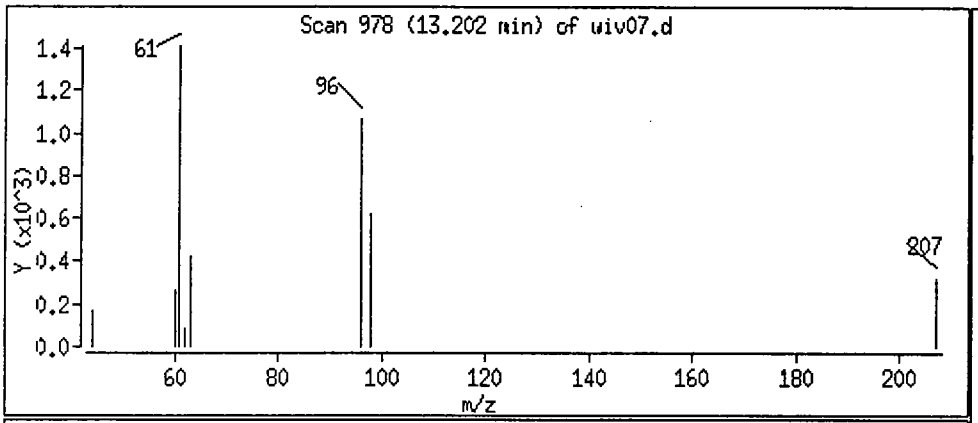
Column phase:

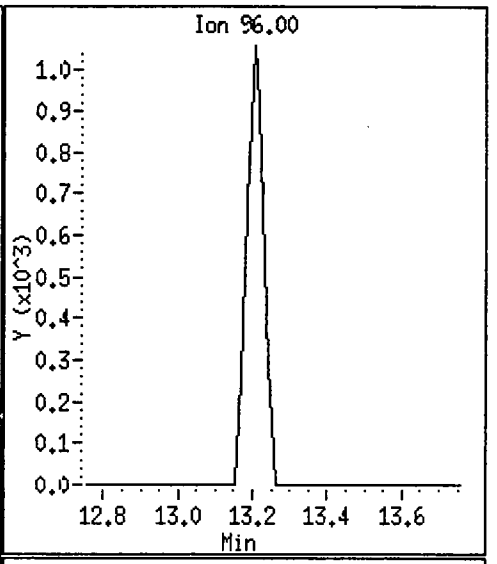
Instrument: gcl2.i

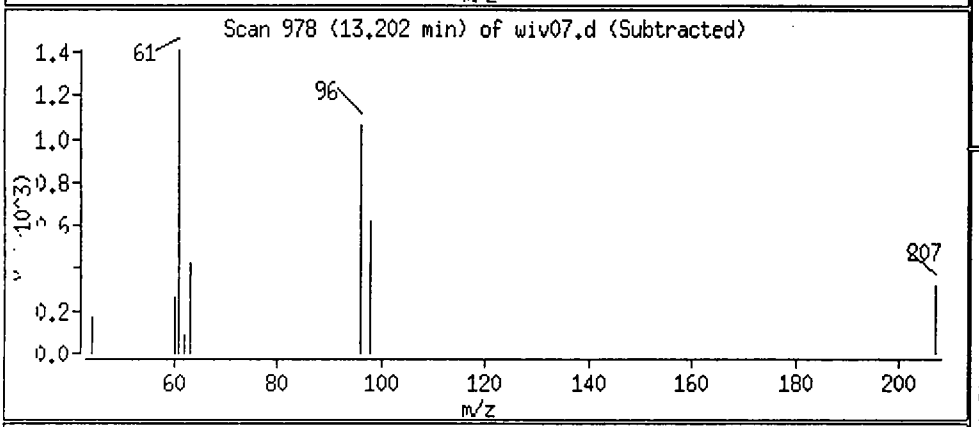
Operator: MANAGER MS

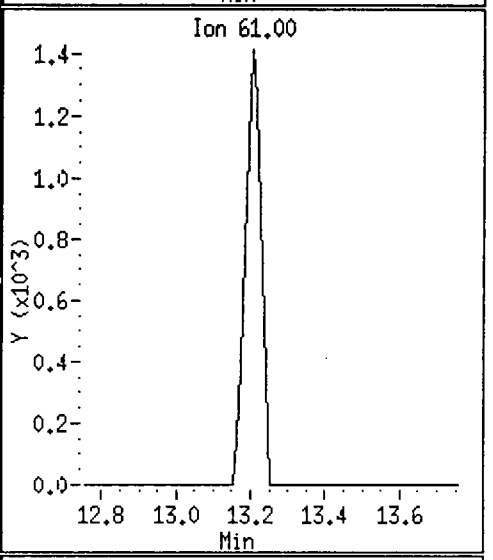
Column diameter: 2.00

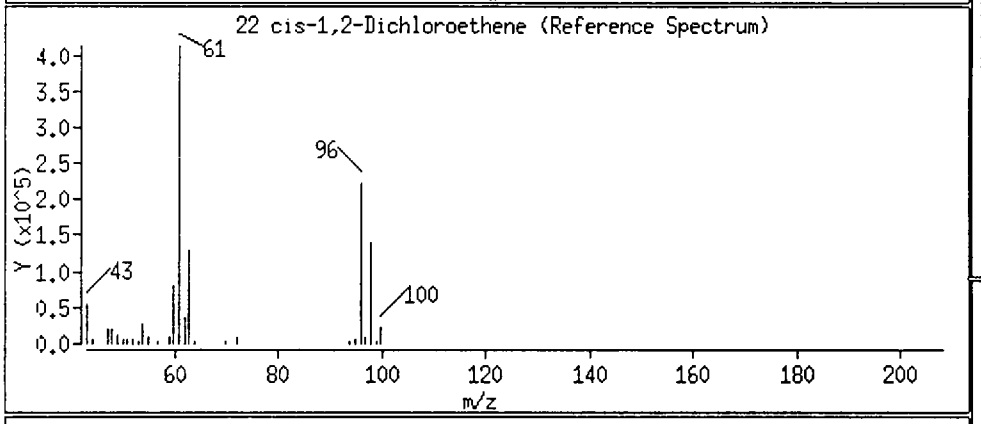
22 cis-1,2-Dichlorcethene

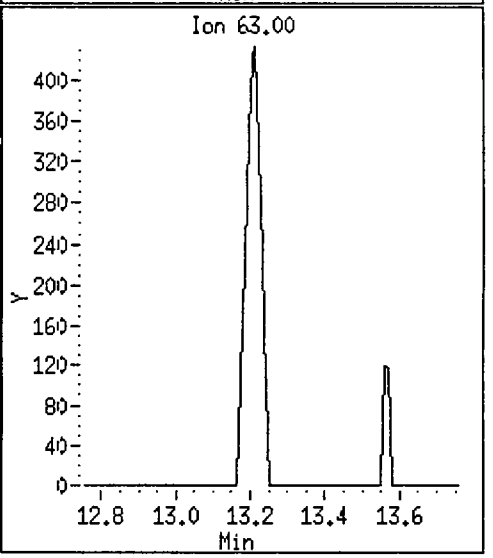


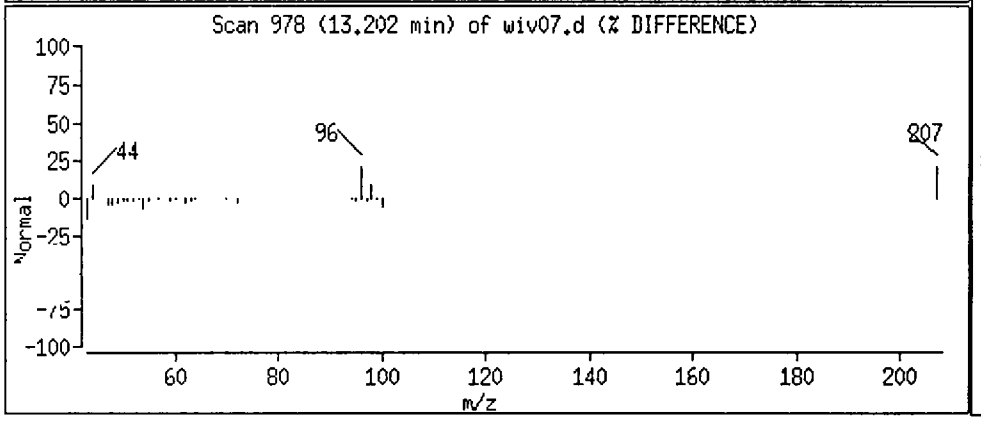












Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-009 BXB409

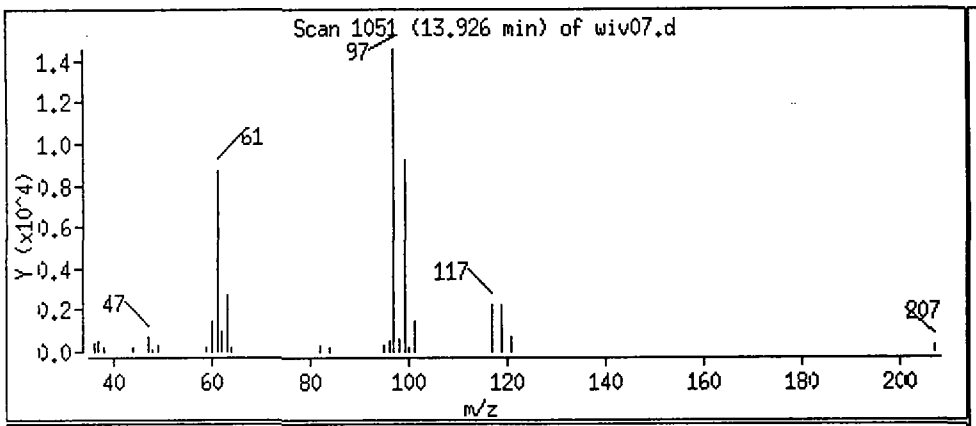
Purge Volume: 5.0

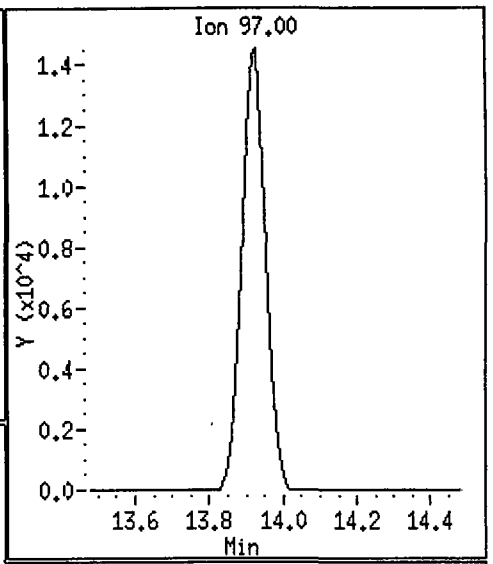
Operator: MANAGER MS

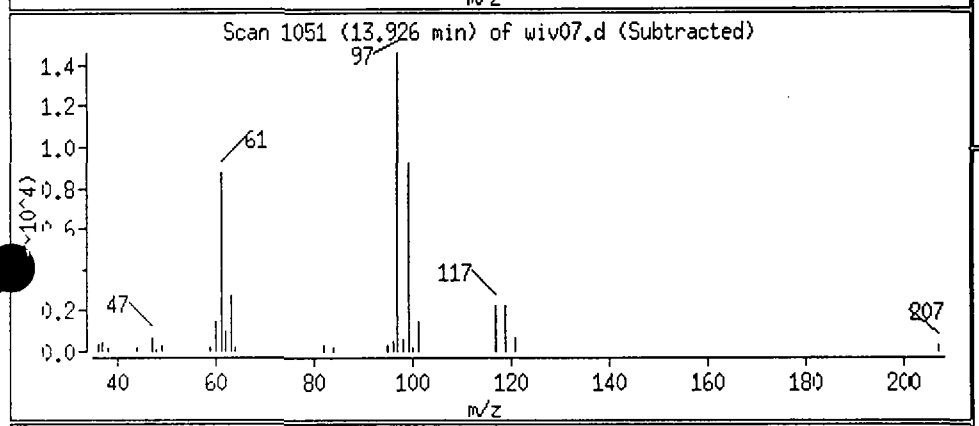
Column phase:

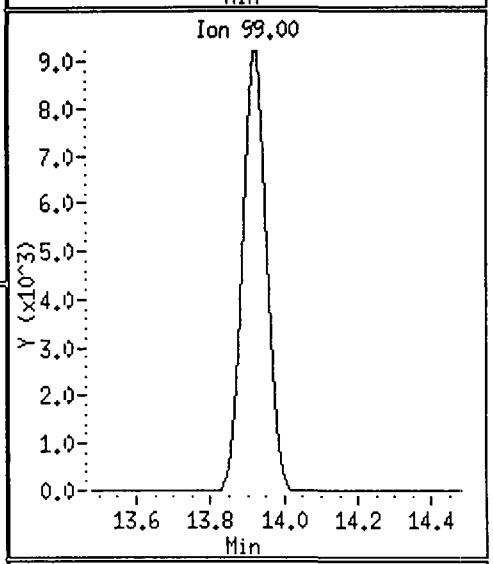
Column diameter: 2.00

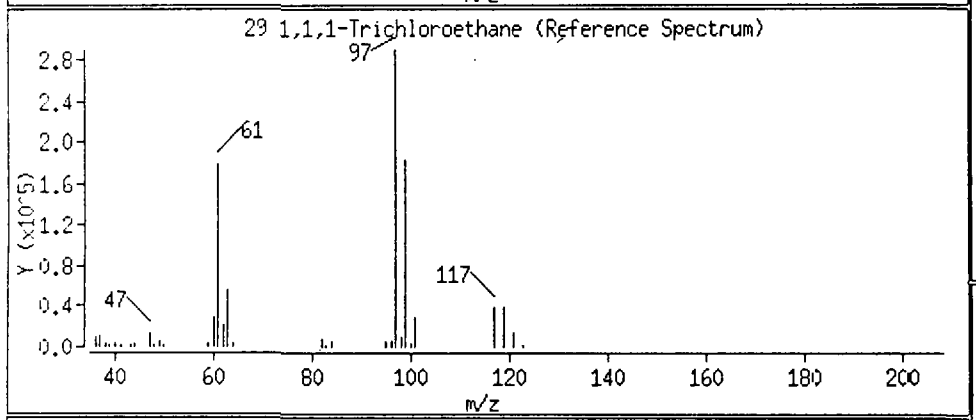
29 1,1,1-Trichloroethane

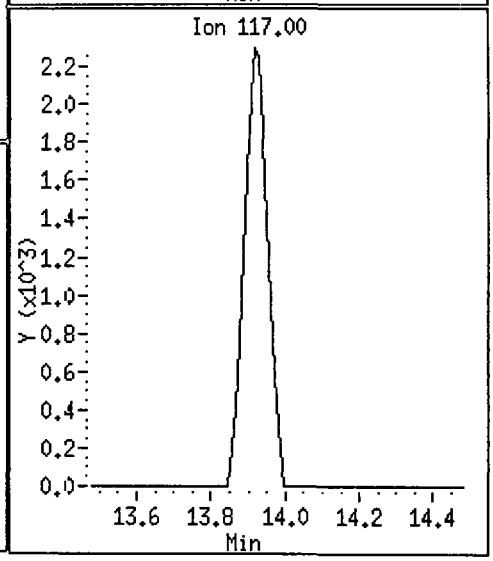


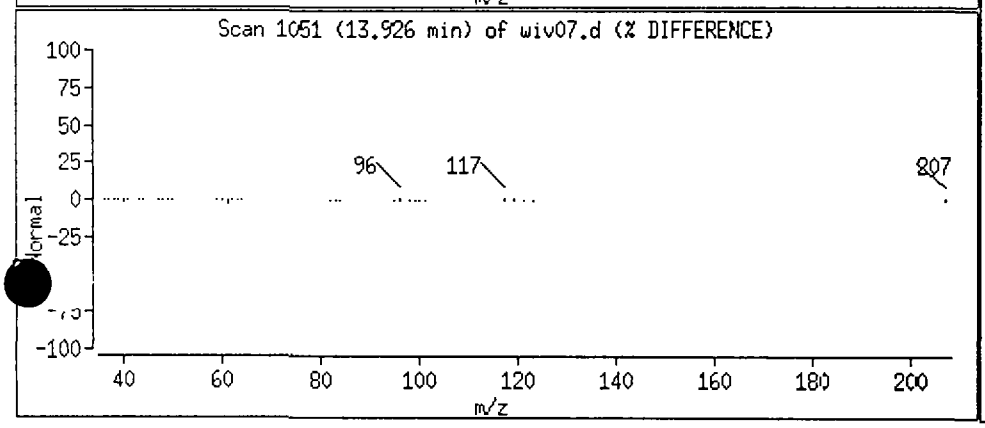












Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-009 BXB409

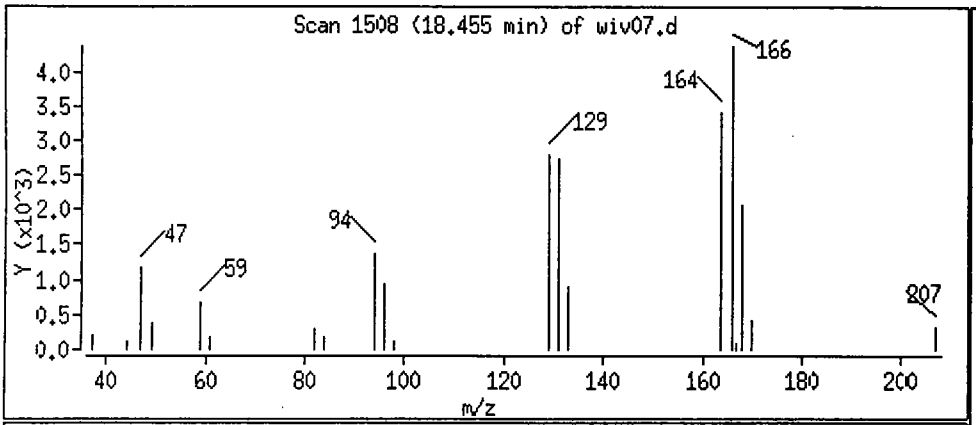
Purge Volume: 5.0

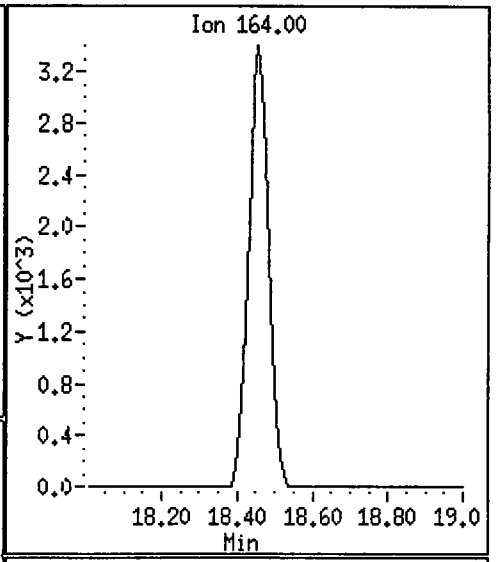
Operator: MANAGER MS

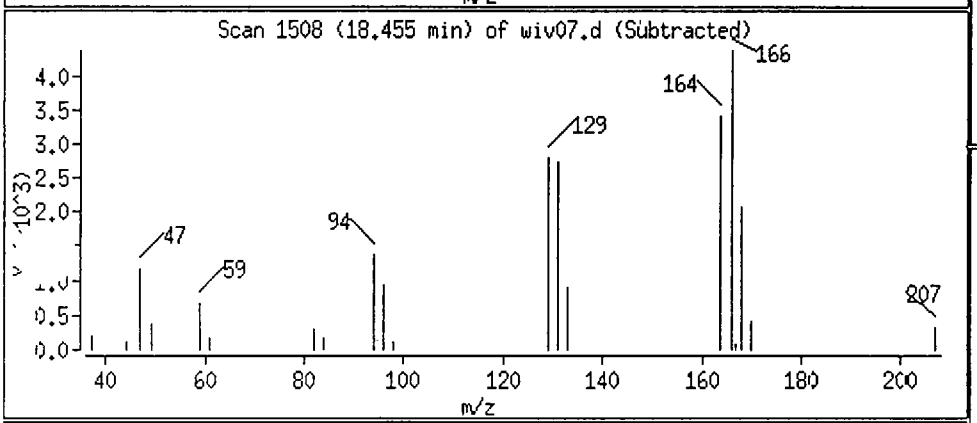
Column phase:

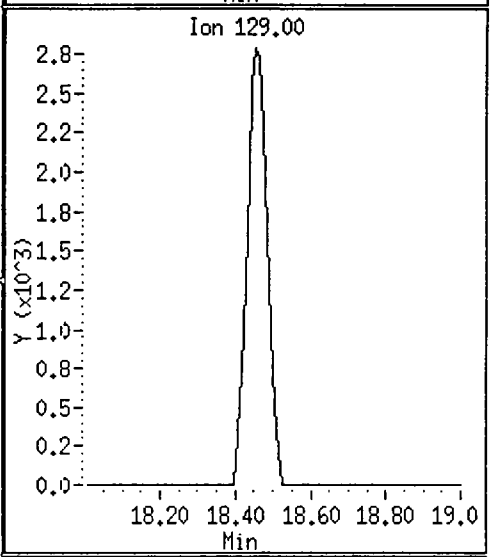
Column diameter: 2.00

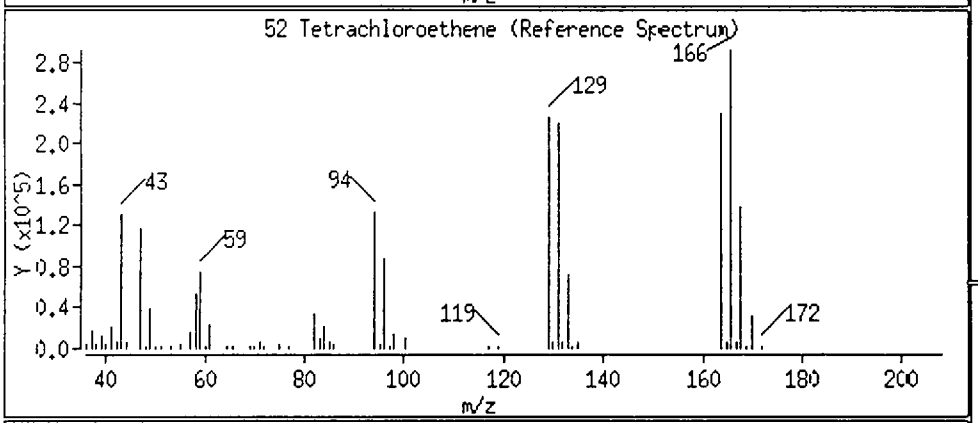
52 Tetrachloroethene

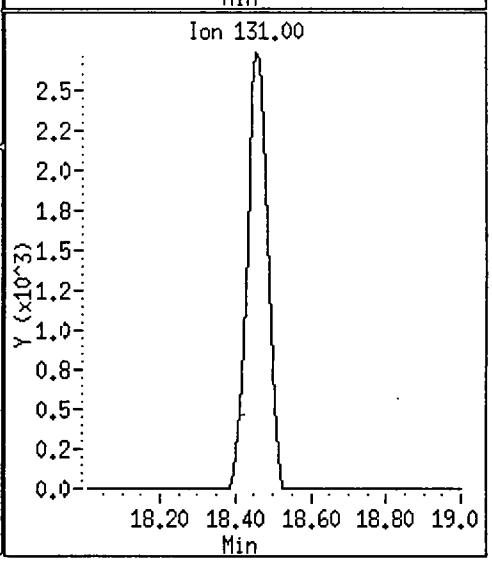


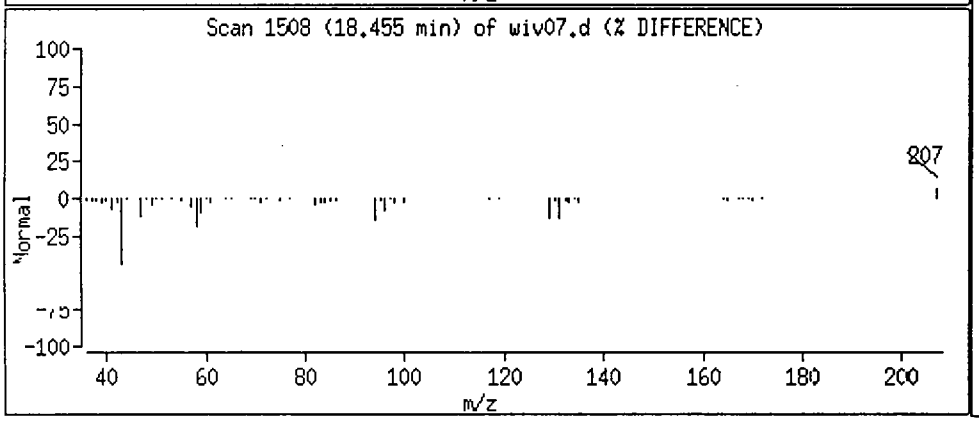












Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-009 BXB409

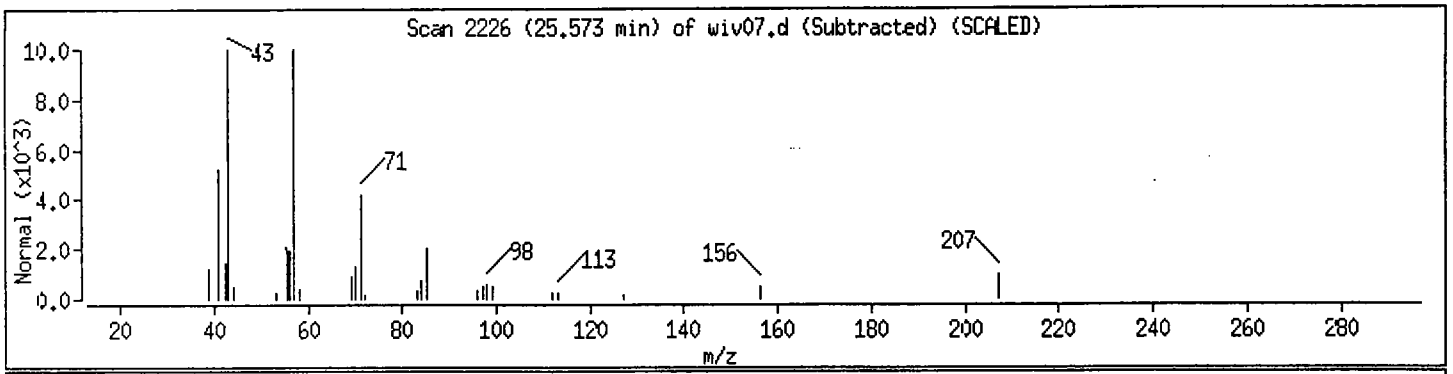
Purge Volume: 5.0

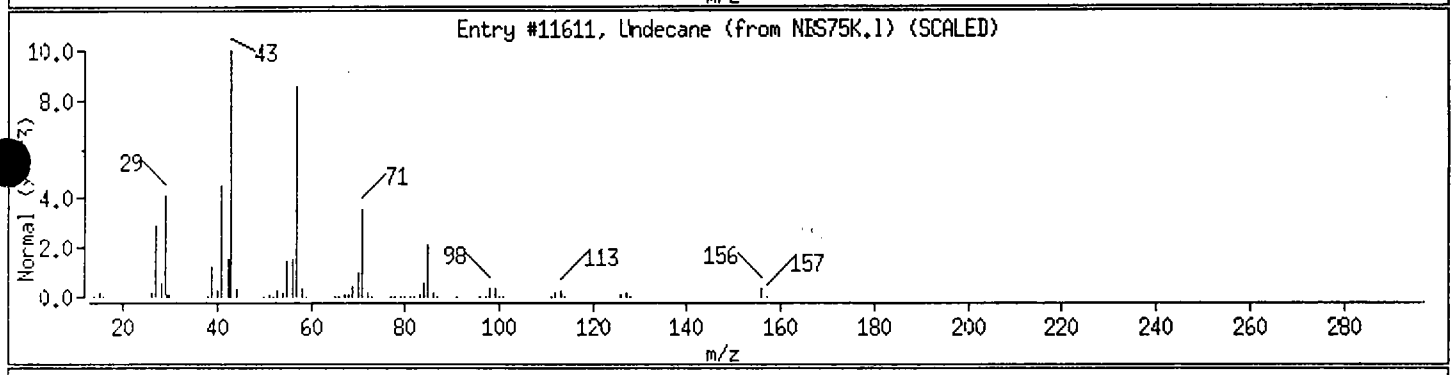
Operator: MANAGER MS

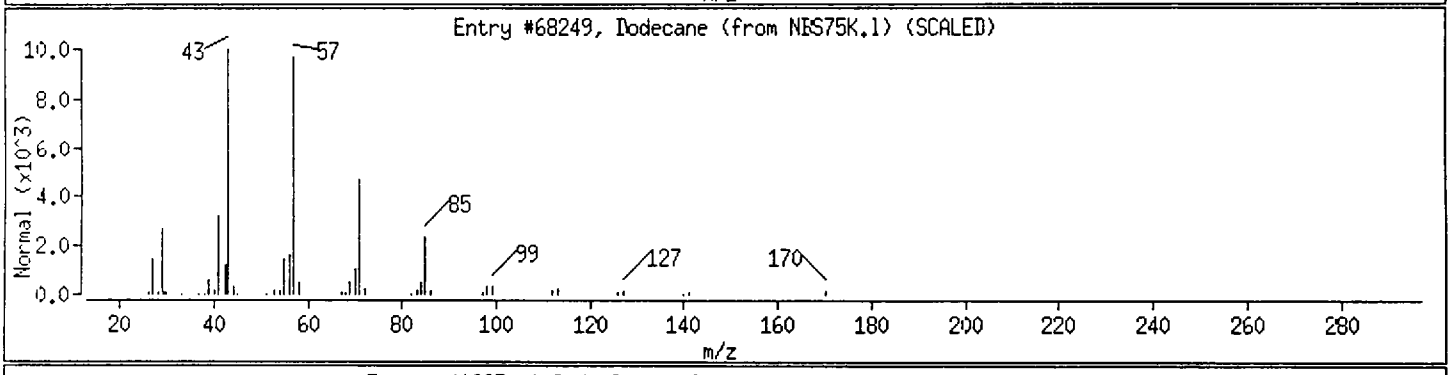
Column phase:

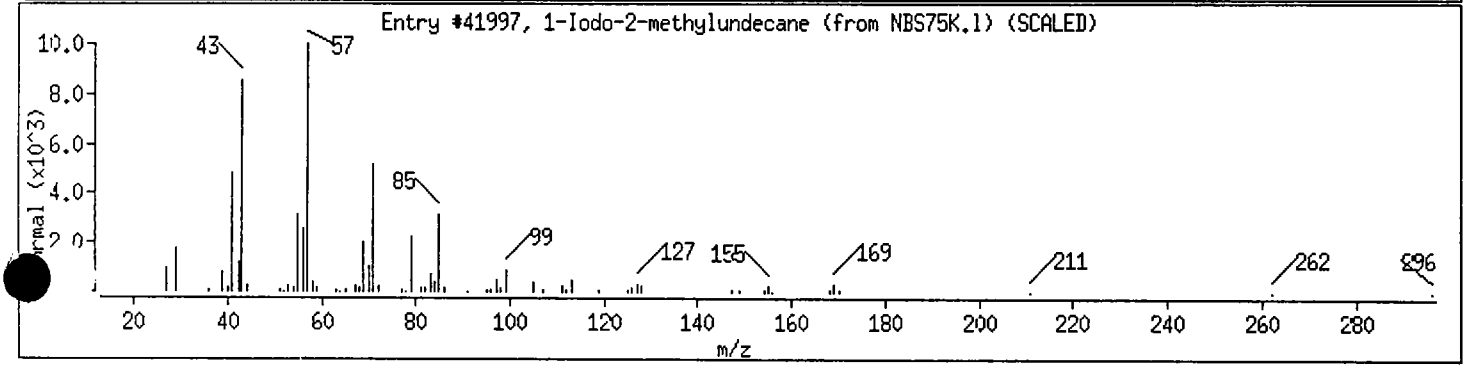
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	NBS75K.l	11611	95	C11H24	156
Dodecane	112-40-3	NBS75K.l	68249	72	C12H26	170
1-Iodo-2-methylundecane	73105-67-6	NBS75K.l	41997	64	C12H25I	296









Data File: /chem/gcl2.i/950409.b/wiv07.d

Date : 10-APR-1995 02:39

`lient ID:

Instrument: gcl2.i

.ample Info: 9503G001-009 BXB409

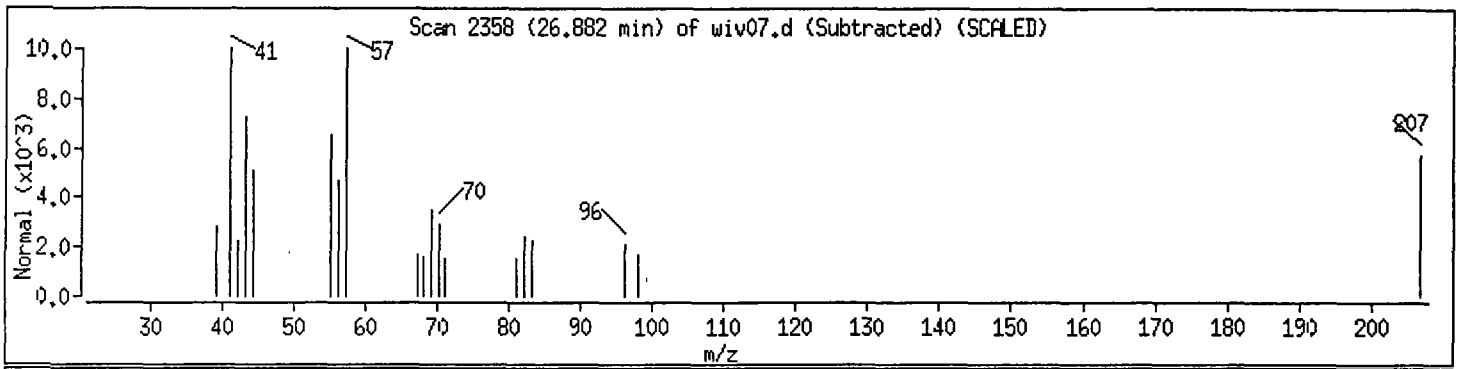
Purge Volume: 5.0

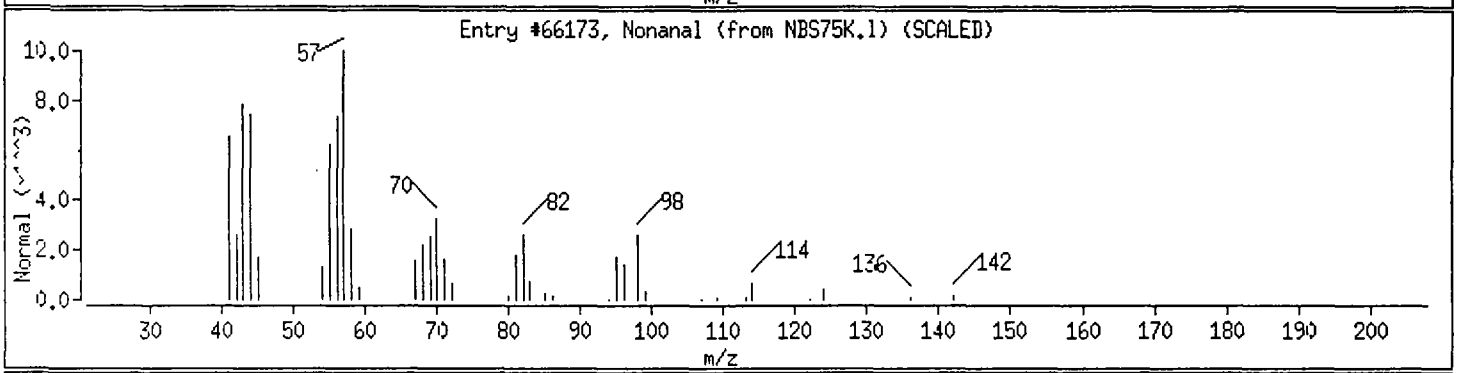
Operator: MANAGER MS

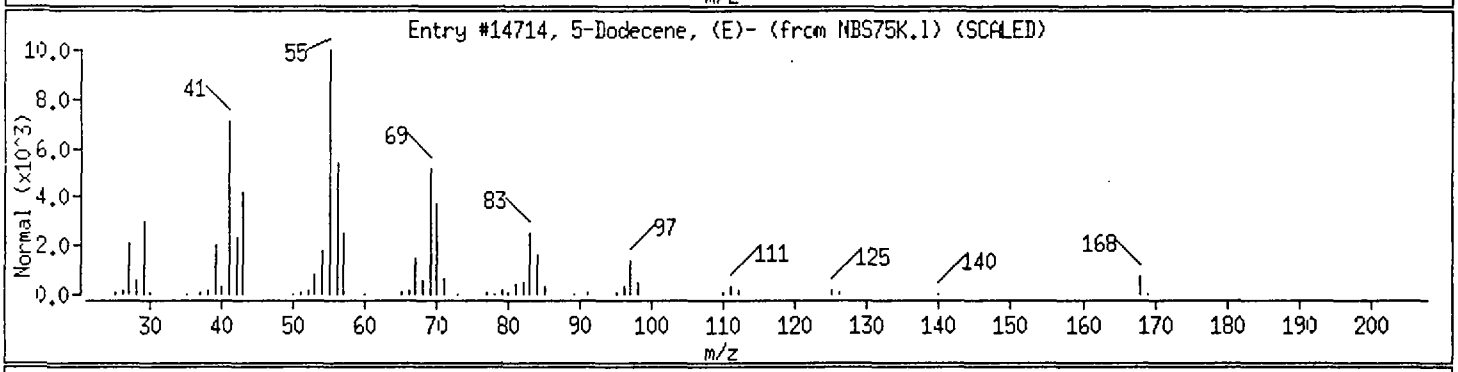
Column phase:

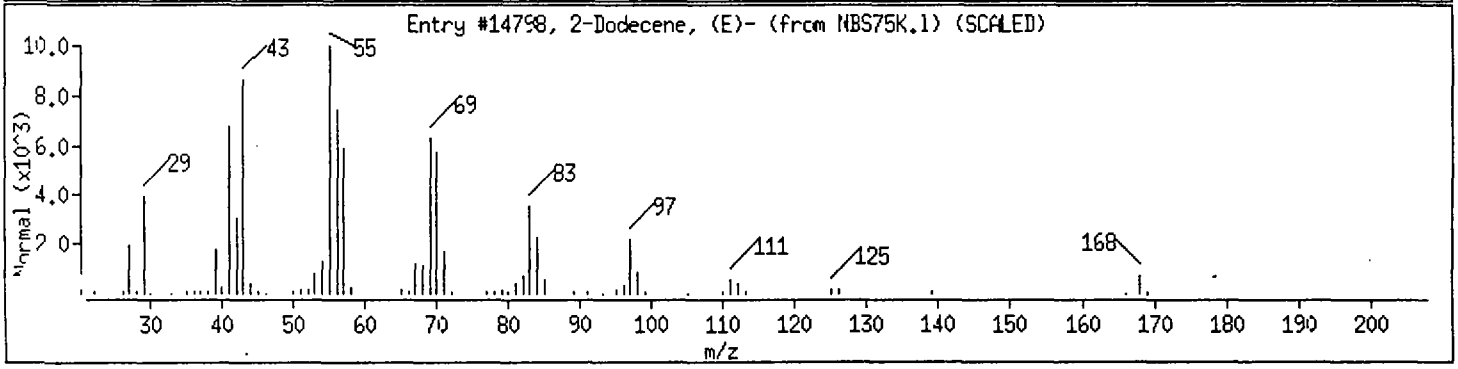
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NBS75K.l	66173	50	C9H18O	142
5-Dodecene, (E)-	7206-16-8	NBS75K.l	14714	27	C12H24	168
2-Dodecene, (E)-	7206-13-5	NBS75K.l	14798	27	C12H24	168









1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV08

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. ____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	35	
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	130	
75-34-3	1,1-Dichloroethane		E
540-59-0	1,2-Dichloroethene (total)		E
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane		E
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	140	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-011

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV08

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. Date Analyzed: 04/10/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP13-GWS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV08

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 1

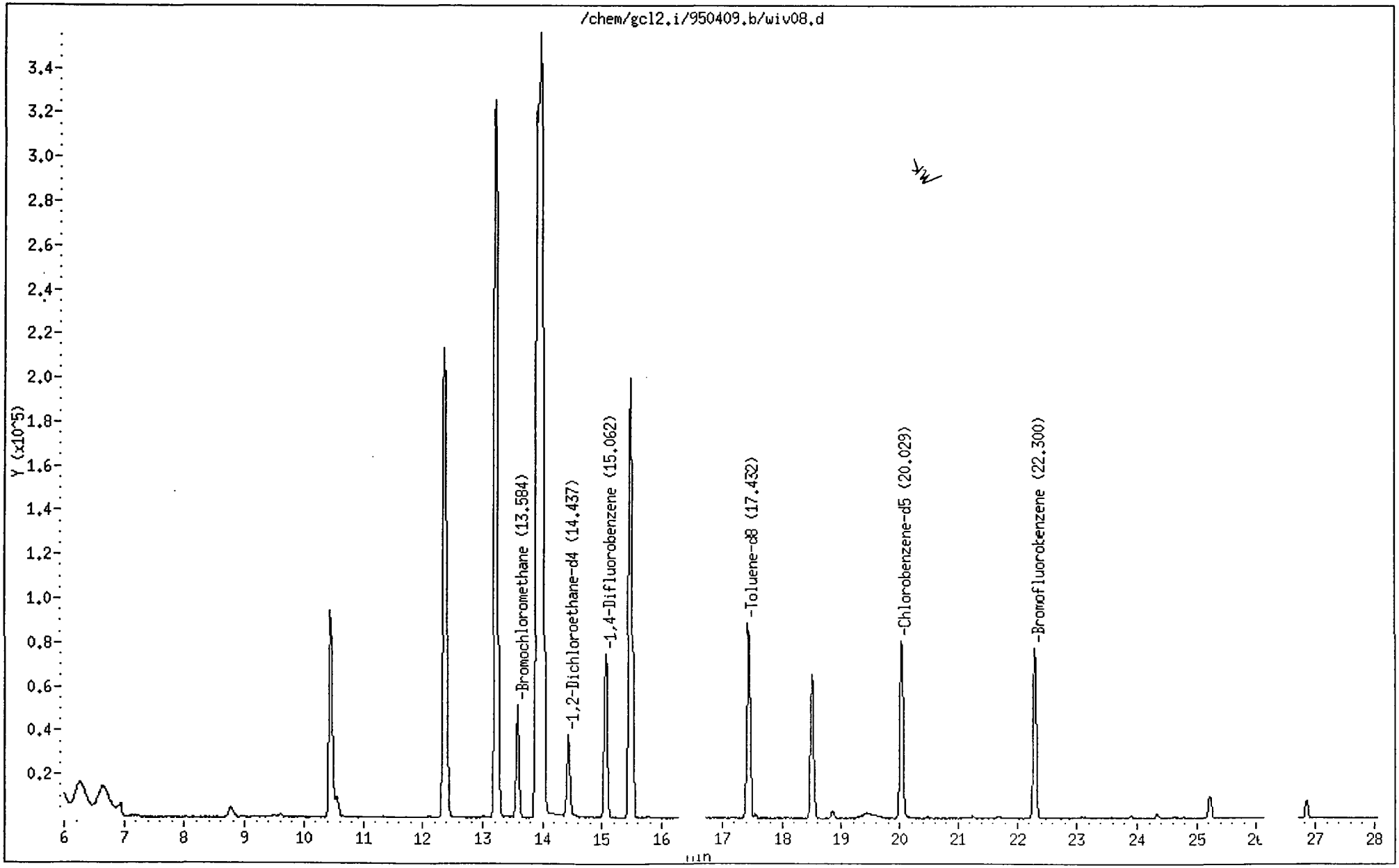
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	25.22	6	J

Data File: /chem/gcl2.i/950409.b/wiv08.d
Date : 10-APR-1995 03:17
Client ID:
Sample Info: 9503G001-011 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv08.d
Lab Smp Id:
Inj Date : 10-APR-1995 03:17
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-011 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Re10DL

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
	5 Chloroethane	64.00	8.757	8.787	(0.645)	15843	34.66	6.93	
	11 1,1-Dichloroethene	96.00	10.452	10.482	(0.770)	73695	134.9	26.99	(M)
	19 1,1-Dichloroethane	63.00	12.374	12.405	(0.912)	457592	284.0 (E)	56.81	
	21 1,2-Dichloroethene (total) vipl	96.00	13.227	13.258	(0.974)	268415	376.5 (E)	75.30	
	22 cis-1,2-Dichloroethene	96.00	13.227	13.258	(0.974)	268415	297.4	59.47	
*	27 Bromochloromethane	127.80	13.574	13.615	(1.000)	19759	50.00		
	29 1,1,1-Trichloroethane	97.00	13.991	13.982	(0.929)	771660	815.2 (E)	163.0	(M)
	30 Carbon Tetrachloride	116.80	14.001	14.220	(0.930)	93203	110.1	22.03	(M)
$	33 1,2-Dichloroethane-d4	65.00	14.437	14.468	(1.064)	41224	67.96	13.59	S.D.
	35 1,2-Dichloroethane	62.00	13.941	14.577	(1.027)	66374	77.98	15.60	(M)
*	36 1,4-Difluorobenzene	114.00	15.062	15.082	(1.000)	103155	50.00		
	38 Trichloroethene	130.00	15.469	15.499	(1.027)	148975	142.1	28.41	
$	46 Toluene-d8	98.00	17.432	17.443	(0.870)	108657	63.63	12.72	S.D.
	47 Toluene	91.00	17.551	17.562	(0.876)	3123	1.48	0.295	(M)
	49 4-Methyl-2-pentanone	43.00	17.432	17.235	(0.870)	929	1.52	0.304	(M)
	52 Tetrachloroethene	164.00	18.502	18.504	(0.924)	36150	49.91	9.98	
*	56 Chlorobenzene-d5	117.00	20.029	20.031	(1.000)	74473	50.00		
$	64 Bromofluorobenzene	95.00	22.300	22.293	(1.113)	62351	61.50	12.30	S.D.

Q. Flag Legend

M - Compound response manually integrated.

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv08.d
Lab Smp Id:
Inj Date : 10-APR-1995 03:17
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-011 BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 27 Bromochloromethane	13.574	167181	50.000
* 56 Chlorobenzene-d5	20.029	301288	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide				CAS #: 124-38-9			
4.745	358228	107.1	21.43	5	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
5.131	262721	78.57	15.71	5	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
5.498	214534	64.16	12.83	3	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
5.865	201458	60.25	12.05	3	NBS75K.1	62263	27
Carbon dioxide				CAS #: 124-38-9			
6.272	190487	56.97	11.39	3	NBS75K.1	34	27
Carbon dioxide				CAS #: 124-38-9			
6.638	186376	55.74	11.15	3	NBS75K.1	34	27

	CONCENTRATIONS				QUANT		
R	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Acetaldehyde					CAS #: 75-07-0		
6.946	27577	8.25	1.65	3	NBS75K.l	62264	27
Ethene, 1,1-dichloro-					CAS #: 75-35-4		
10.551	39592	11.84	2.37	91	NBS75K.l	63091	27
1-Propene, 3,3,3-trichloro-2-methyl-					CAS #: 4749-27-3		
25.224	37661	6.25	1.25	10	NBS75K.l	11779	56

Data File: /chem/gc12.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gc12.i

Sample Info: 9503G001-011 BXB409

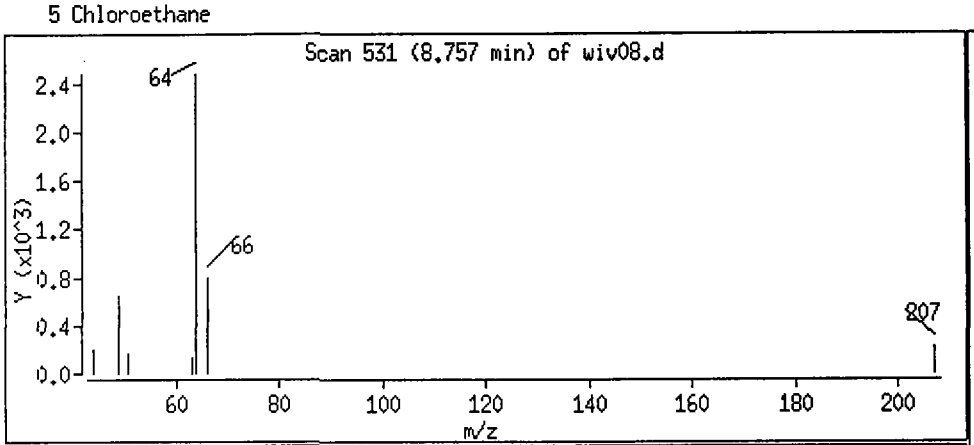
Purge Volume: 5.0

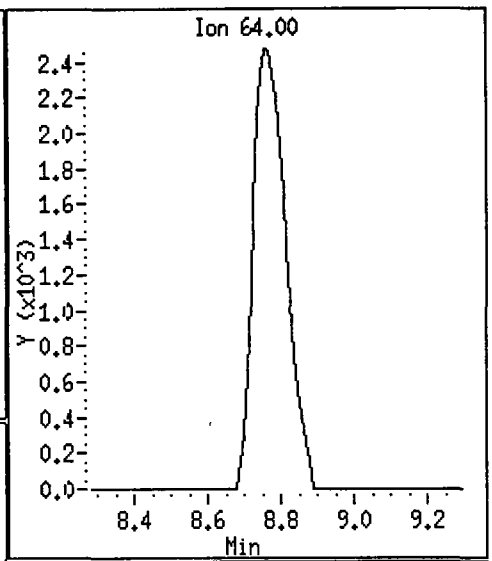
Operator: MANAGER MS

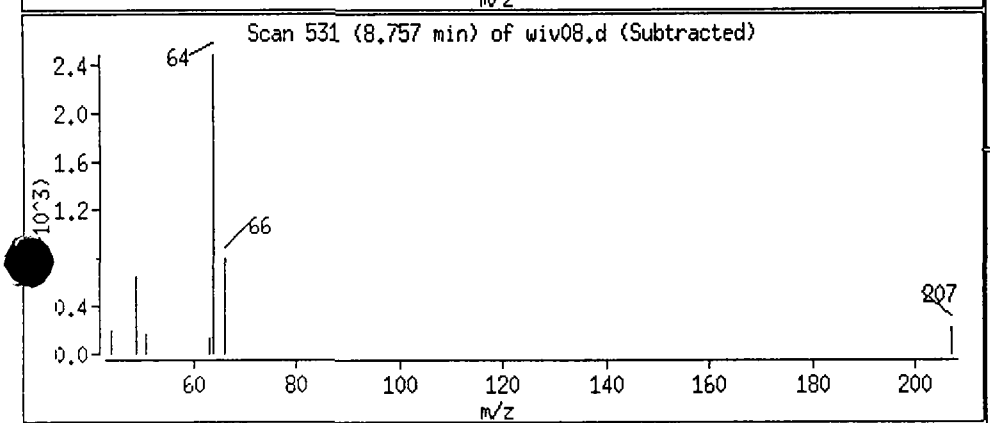
Column phase:

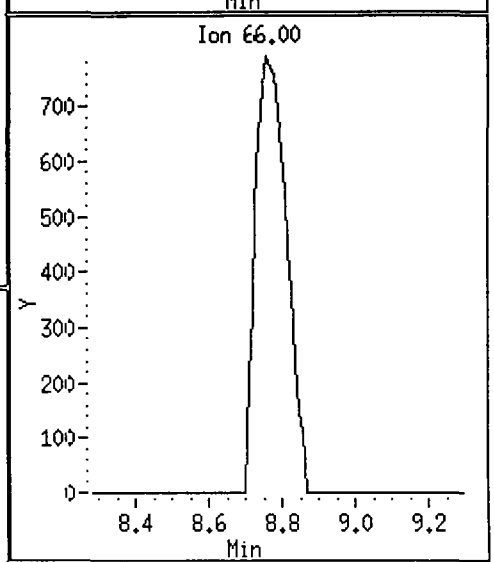
Column diameter: 2.00

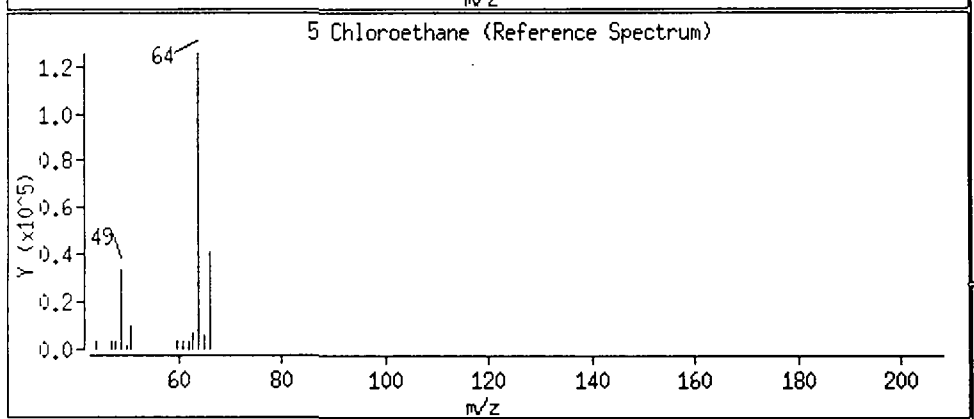
5 Chloroethane

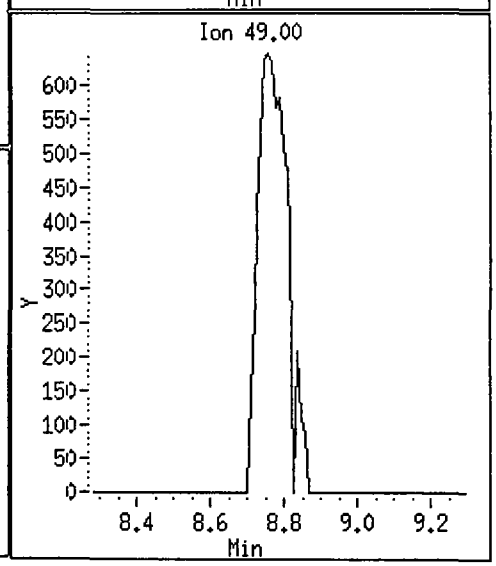


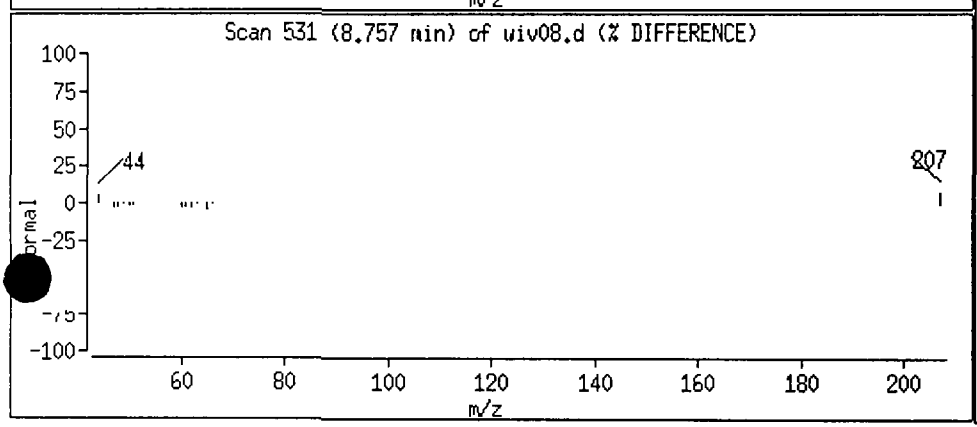












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

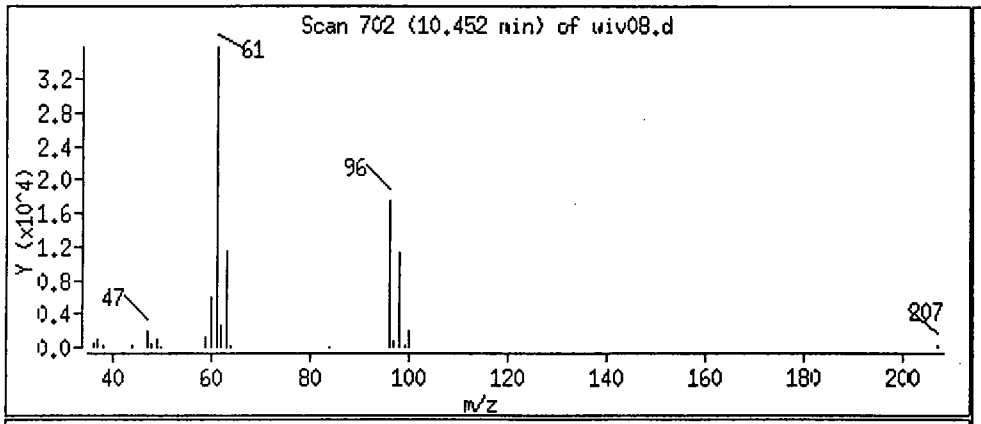
Purge Volume: 5.0

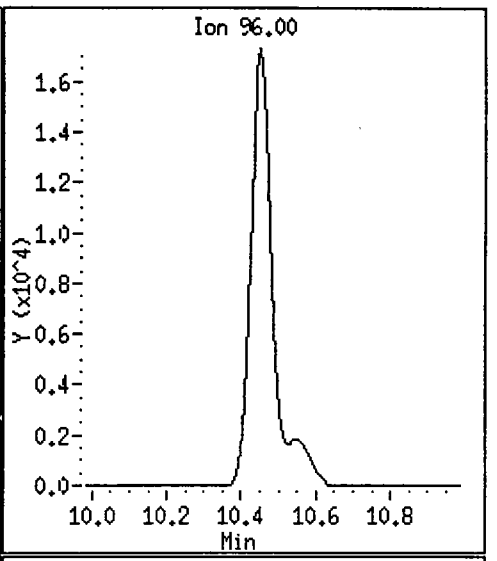
Operator: MANAGER MS

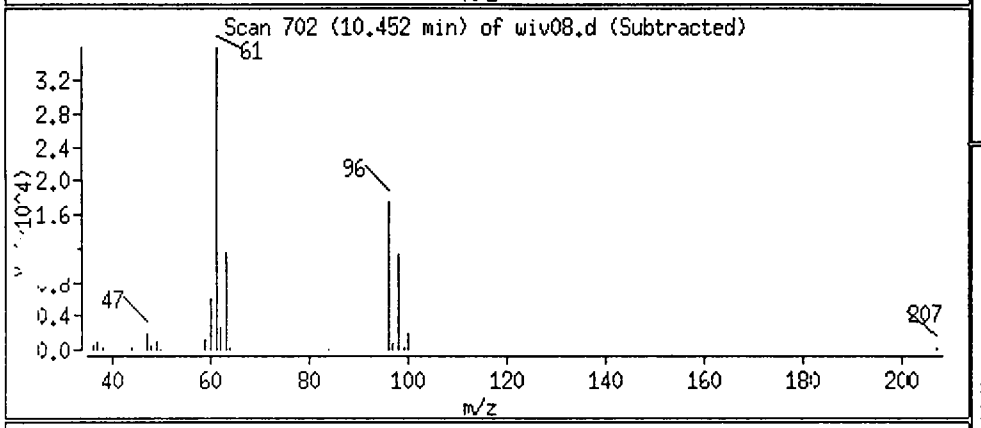
Column phase:

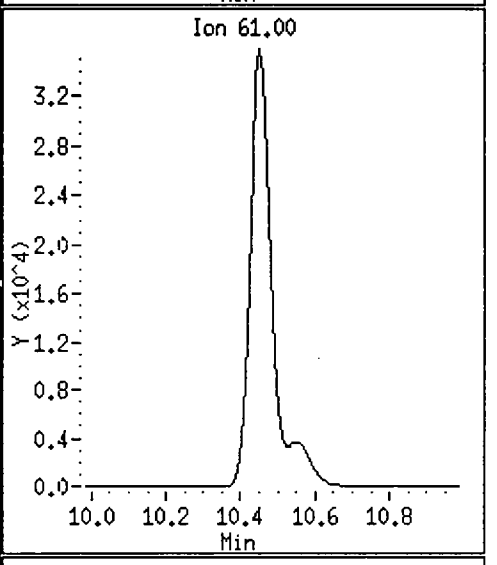
Column diameter: 2.00

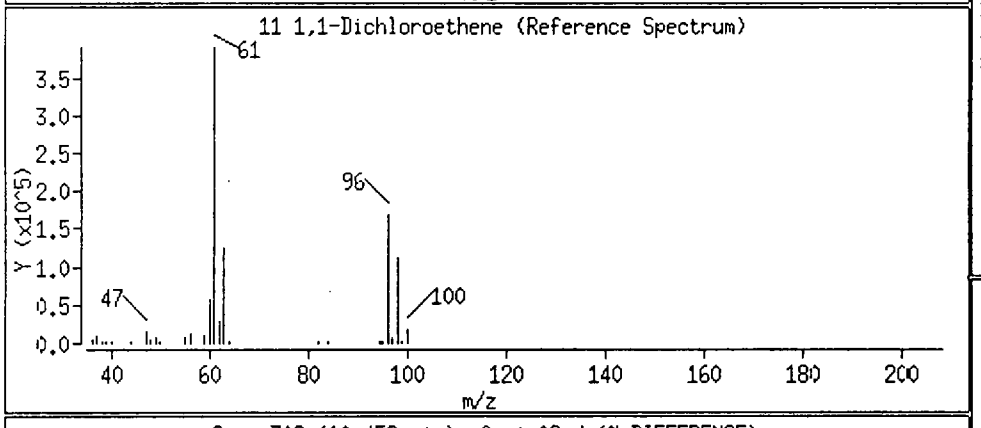
11 1,1-Dichloroethene

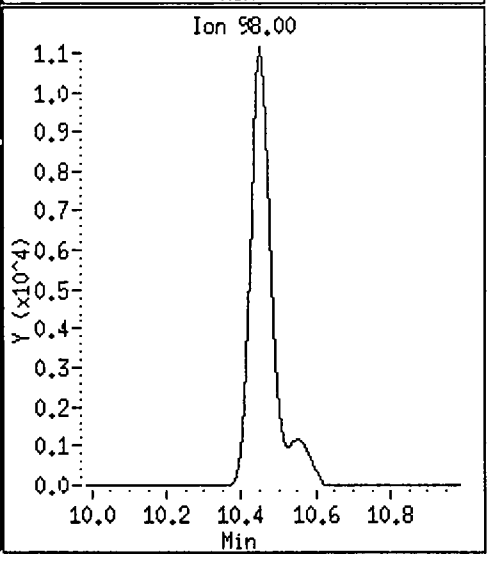


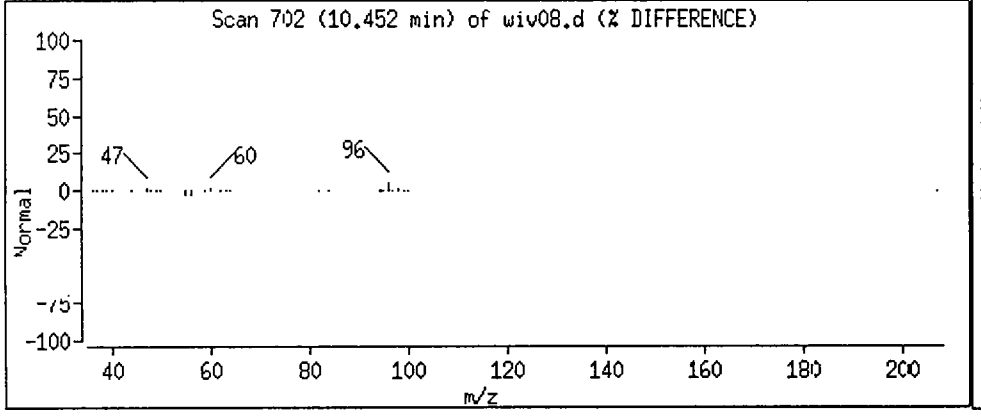












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

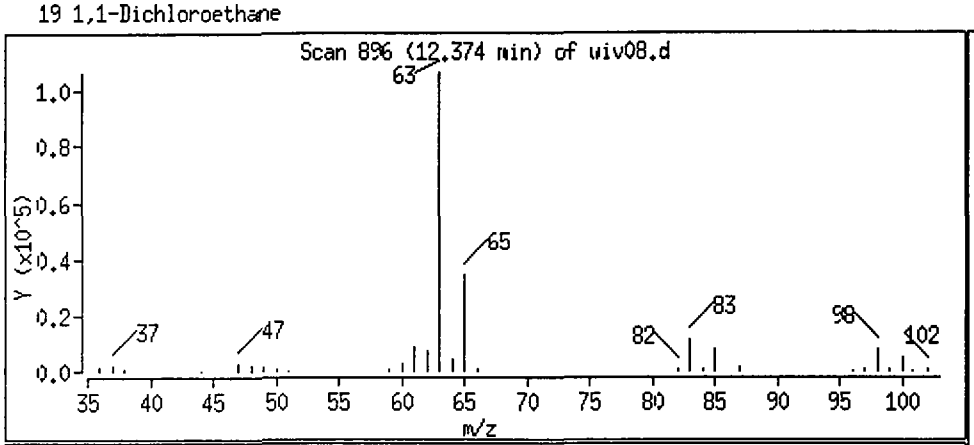
Purge Volume: 5.0

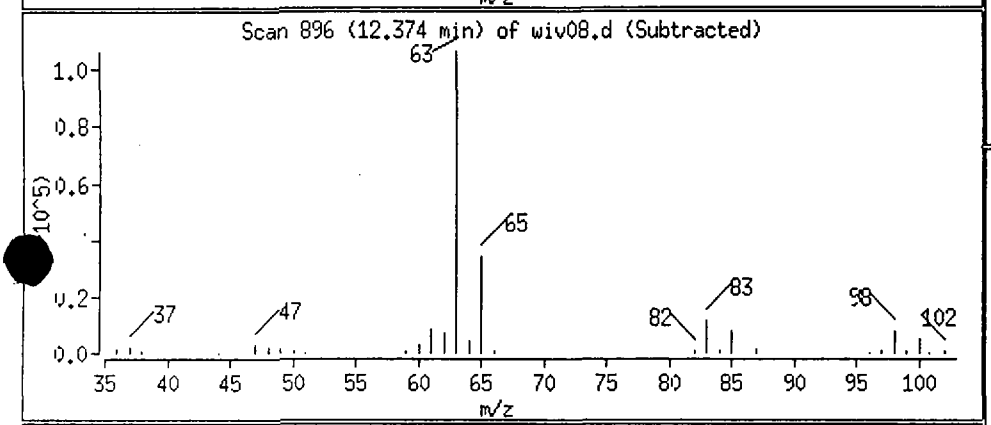
Operator: MANAGER MS

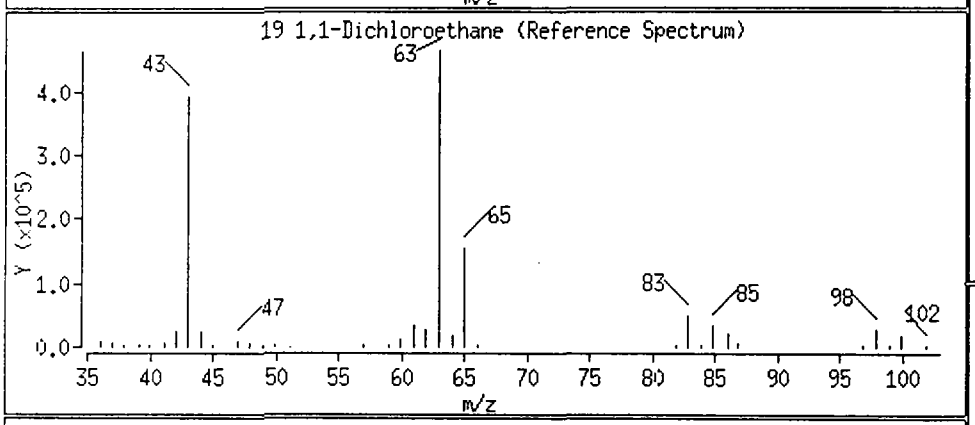
Column phase:

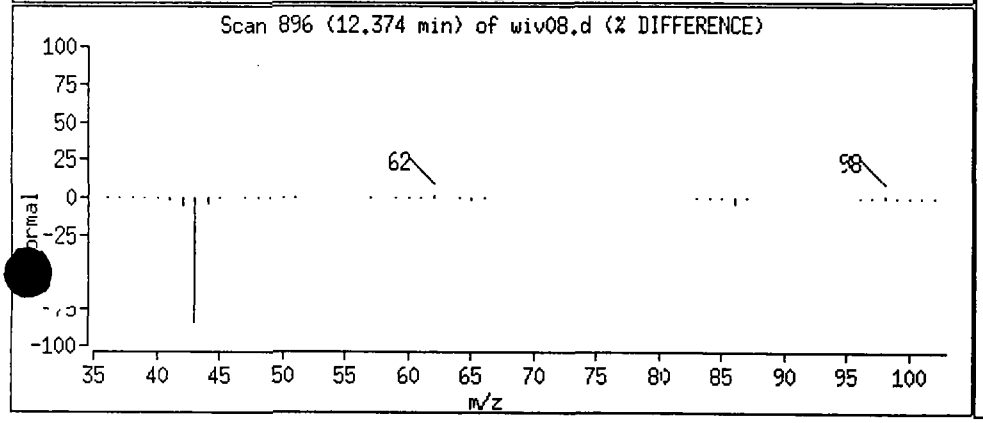
Column diameter: 2.00

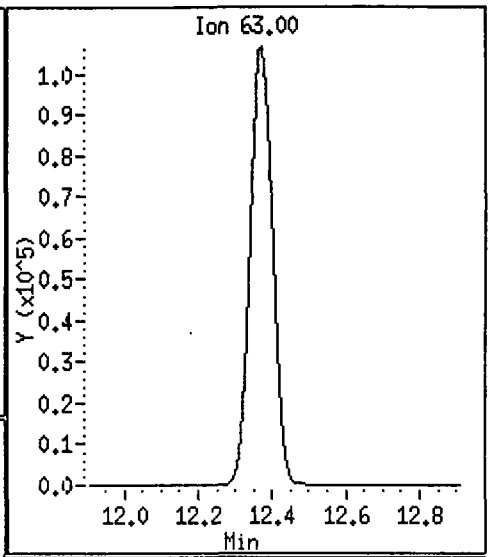
19 1,1-Dichloroethane

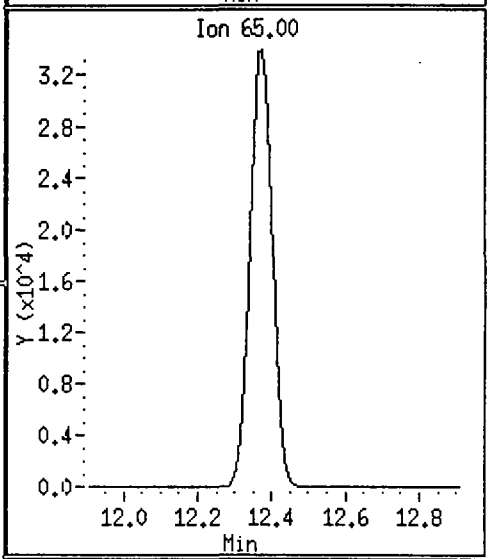


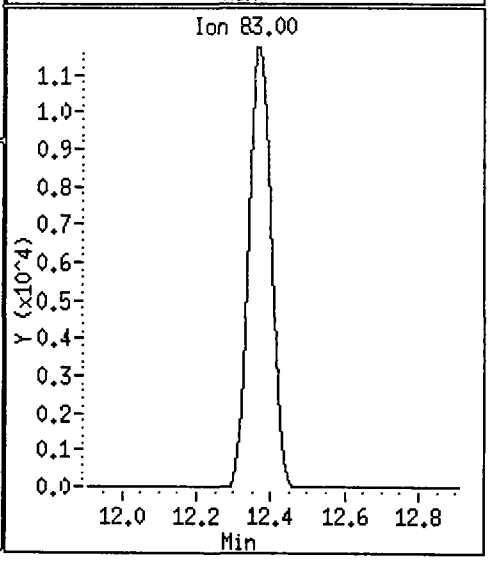












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

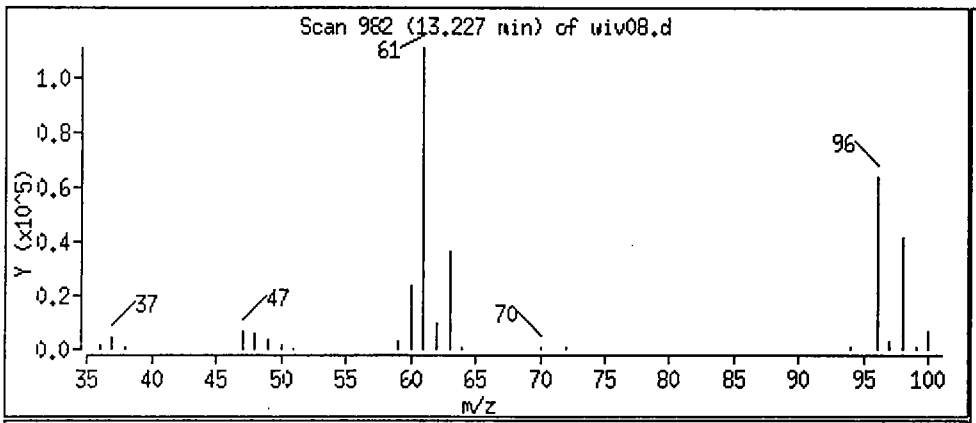
Purge Volume: 5.0

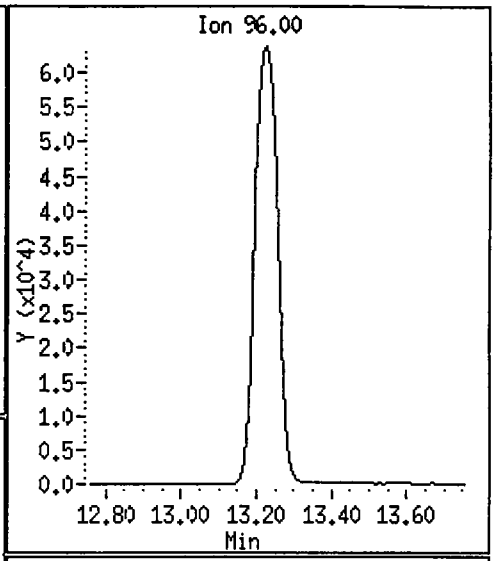
Operator: MANAGER MS

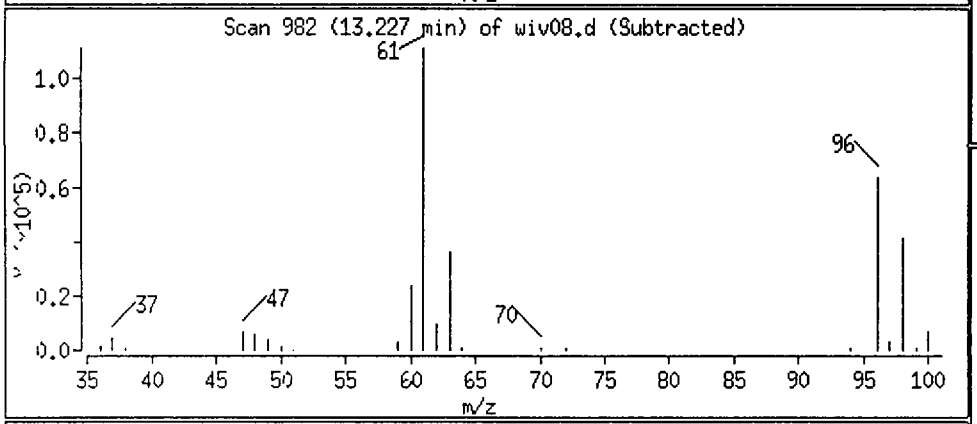
Column phase:

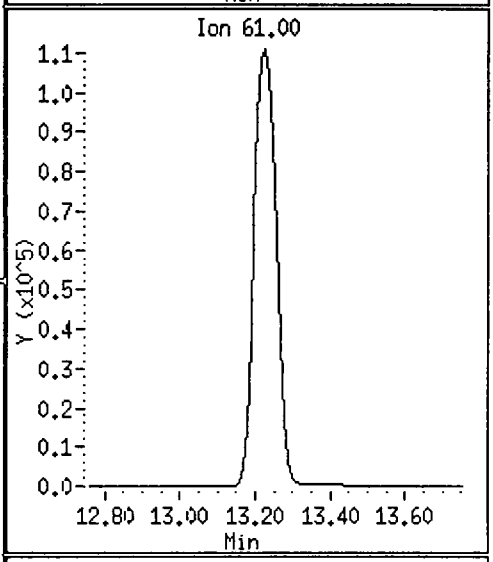
Column diameter: 2.00

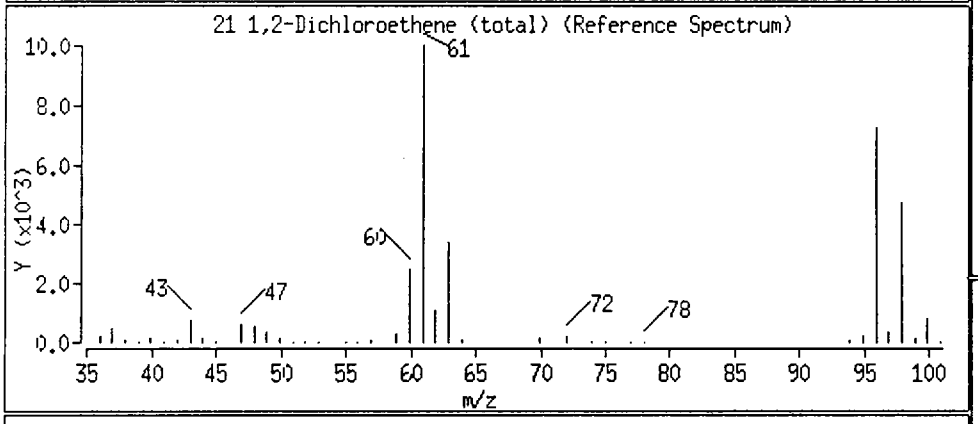
21 1,2-Dichloroethene (total)

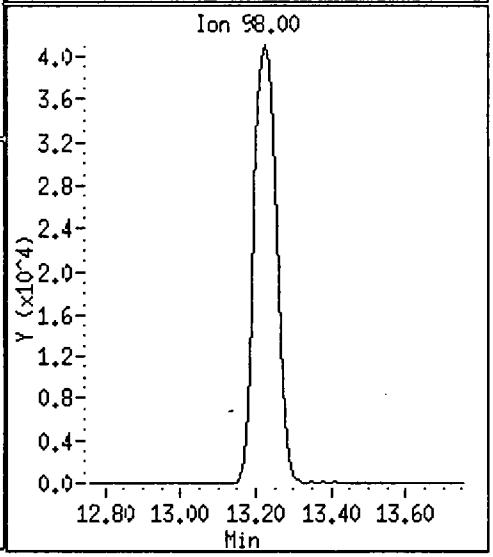


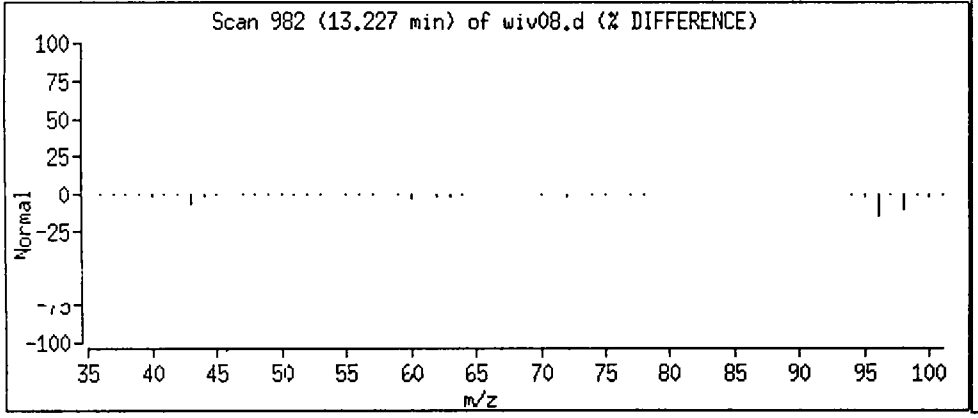












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

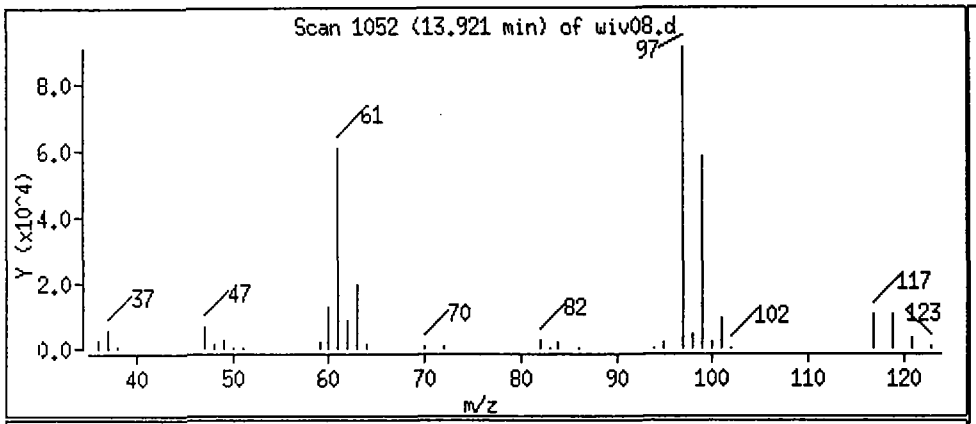
Purge Volume: 5.0

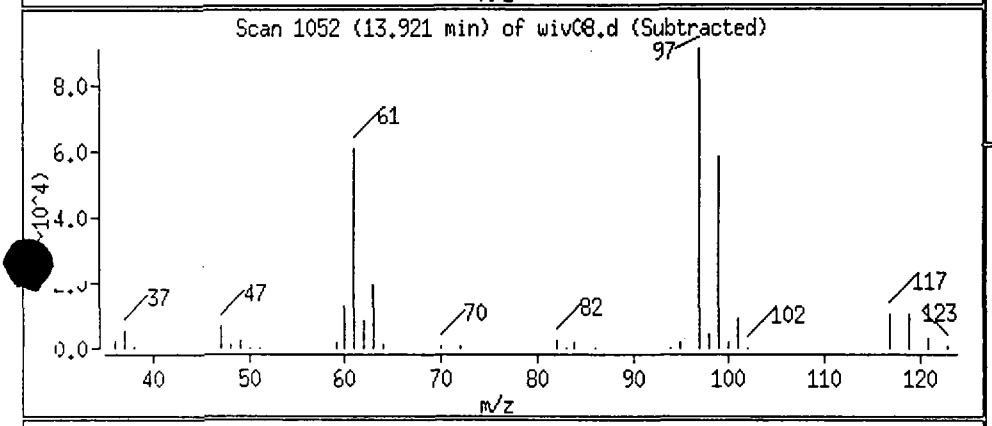
Operator: MANAGER MS

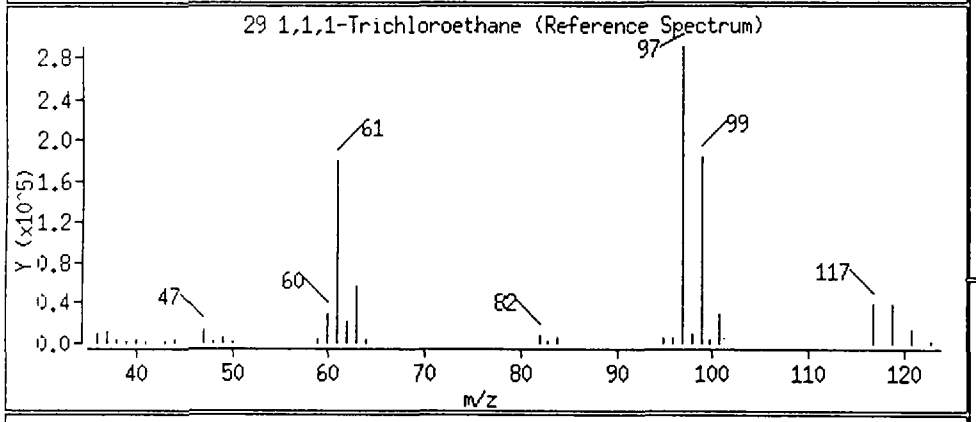
Column phase:

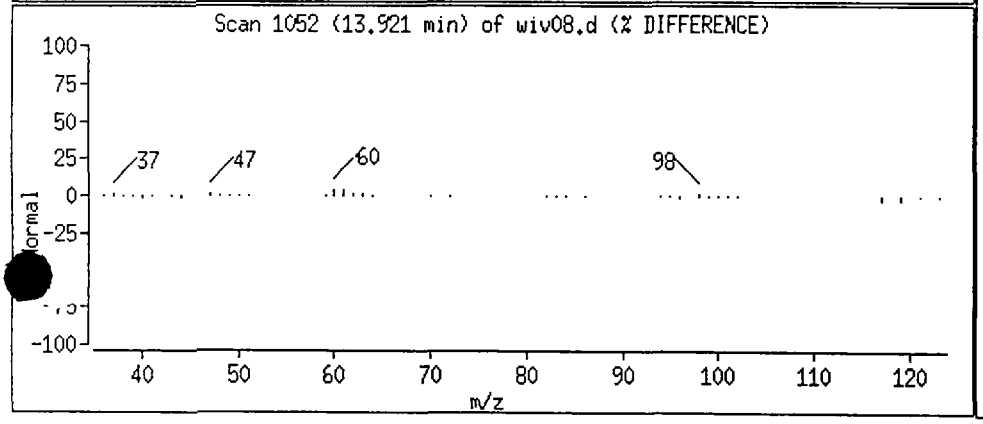
Column diameter: 2.00

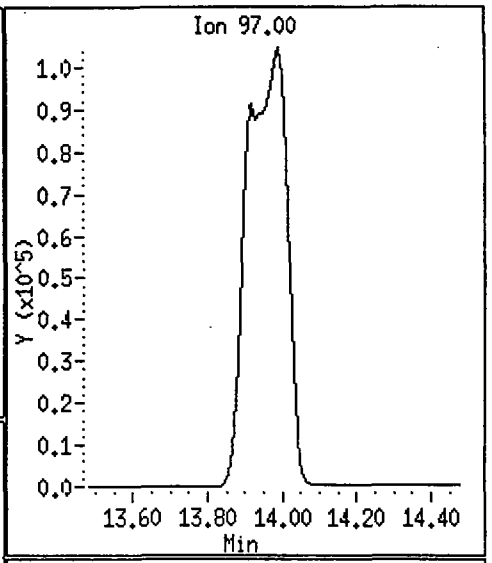
29 1,1,1-Trichloroethane

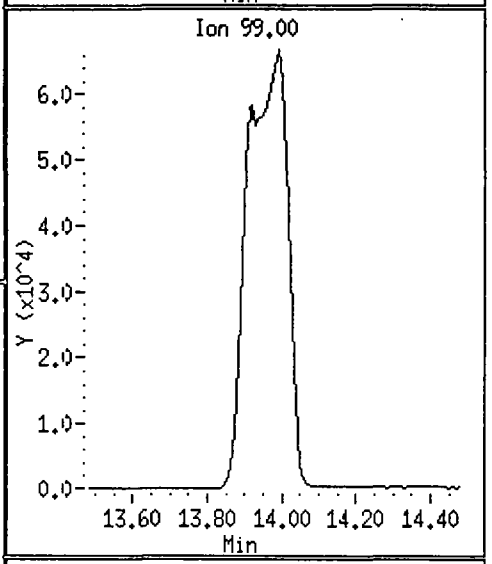


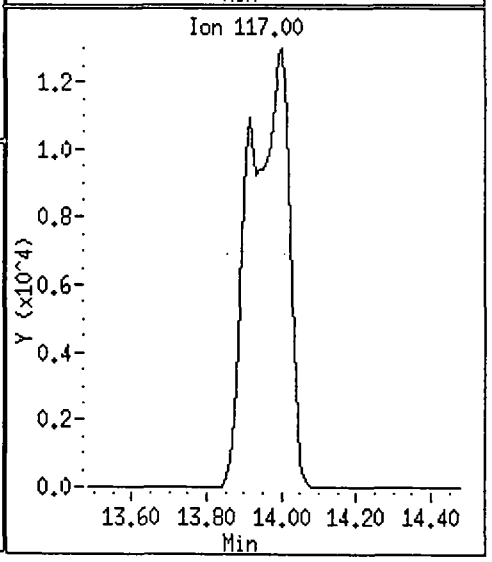












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

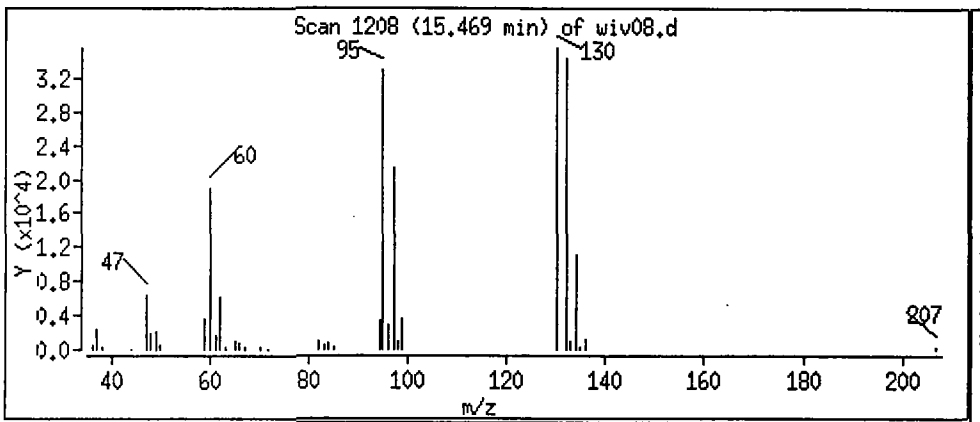
Purge Volume: 5.0

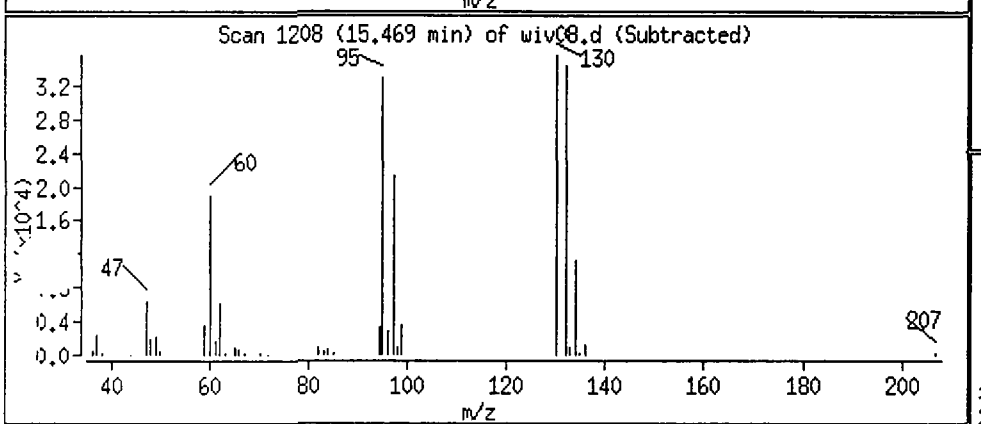
Operator: MANAGER MS

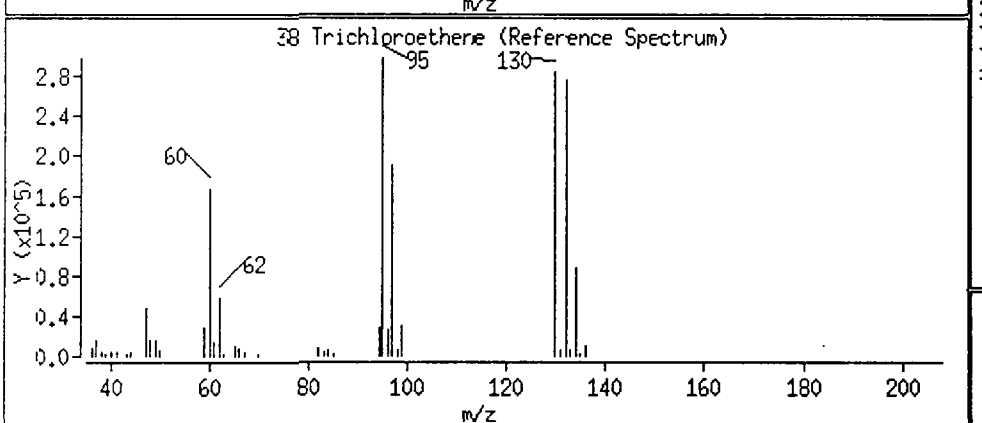
Column phase:

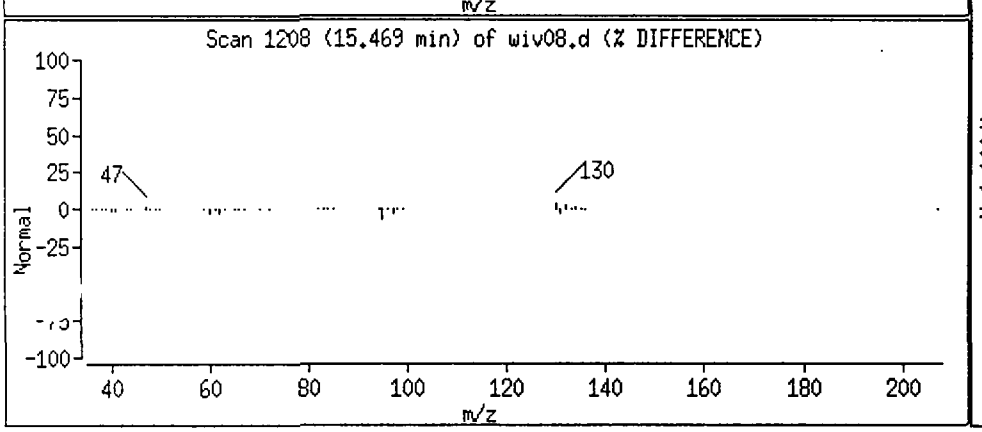
Column diameter: 2.00

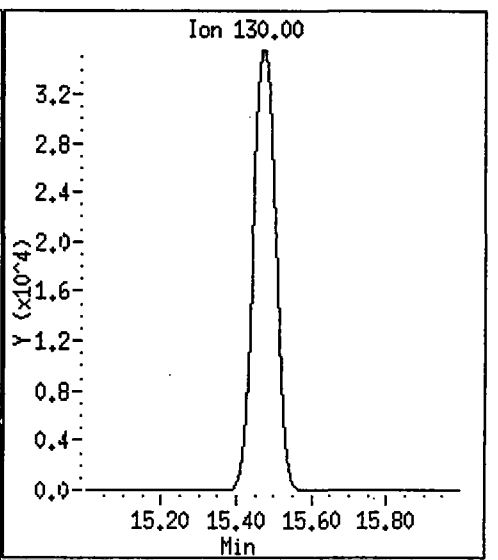
38 Trichloroethene

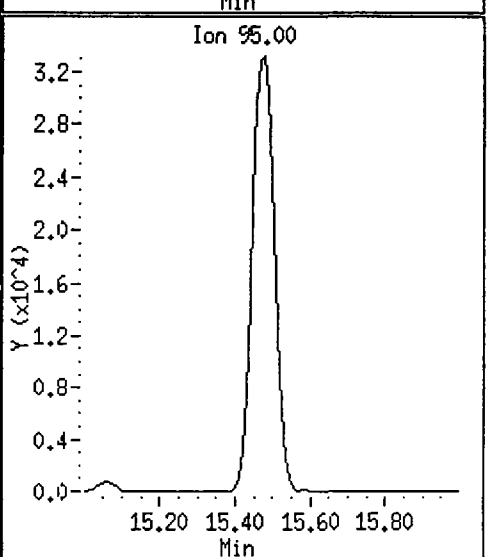


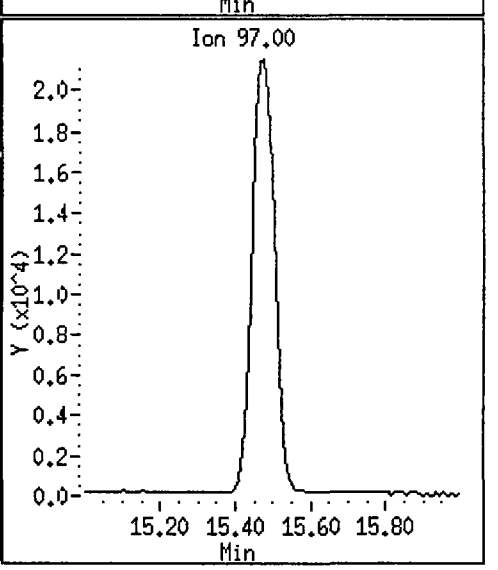












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXB409

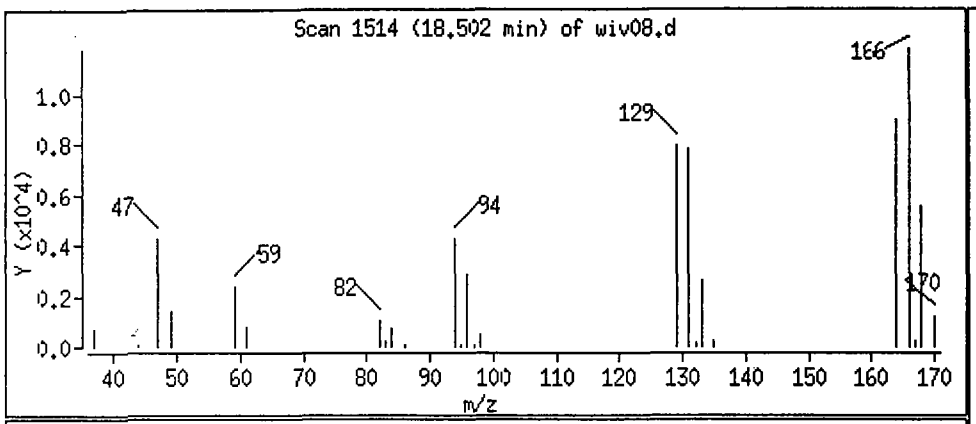
Purge Volume: 5.0

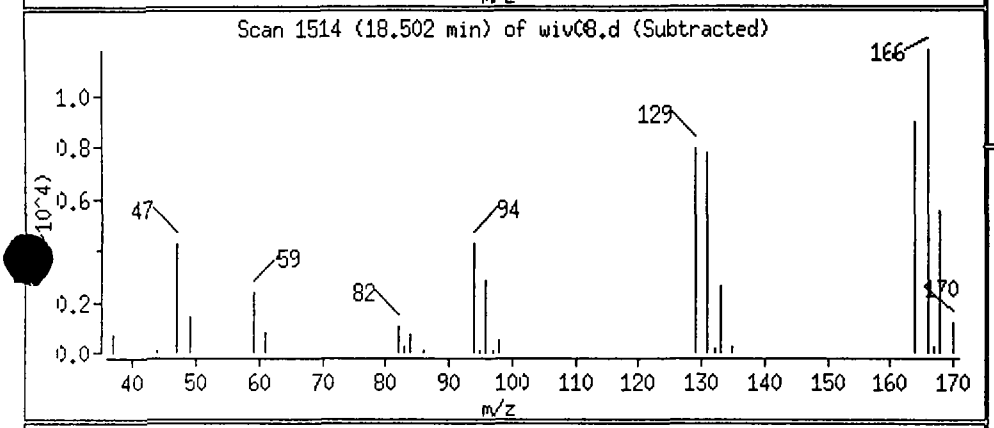
Operator: MANAGER MS

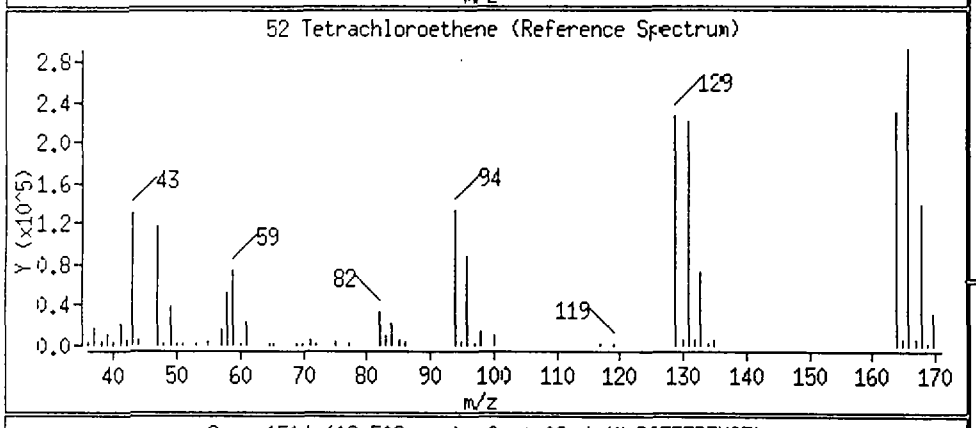
Column phase:

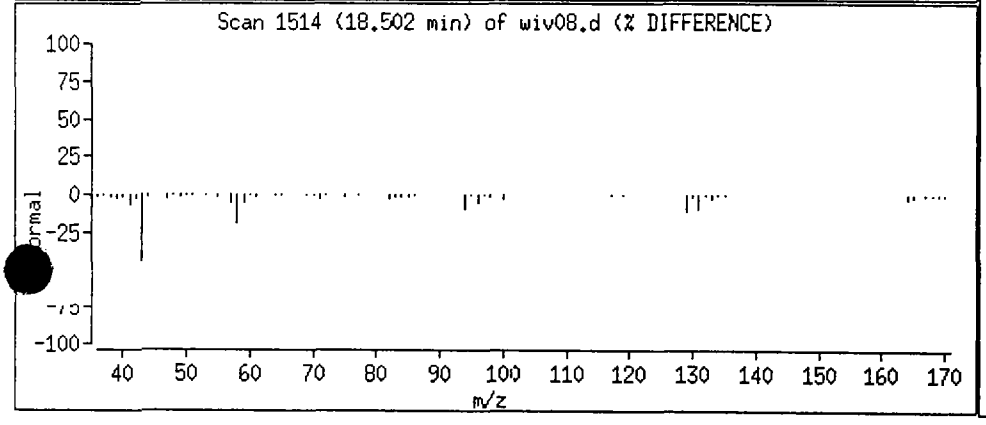
Column diameter: 2.00

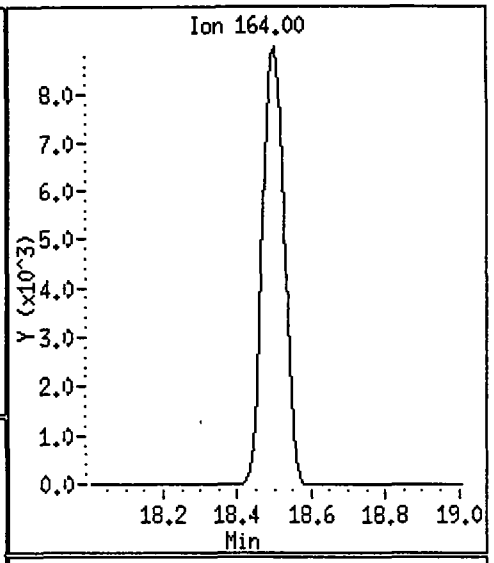
52 Tetrachloroethene

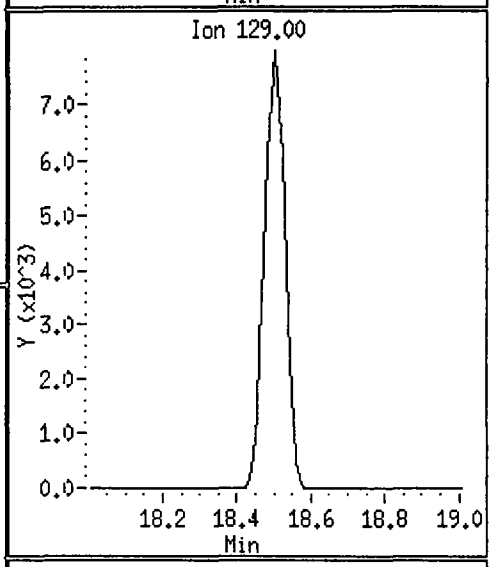


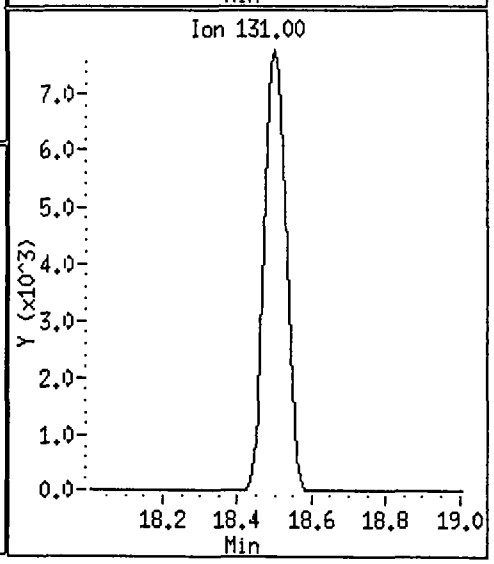












Data File: /chem/gcl2.i/950409.b/wiv08.d

Date : 10-APR-1995 03:17

Client ID:

Sample Info: 9503G001-011 BXB409

Purge Volume: 5.0

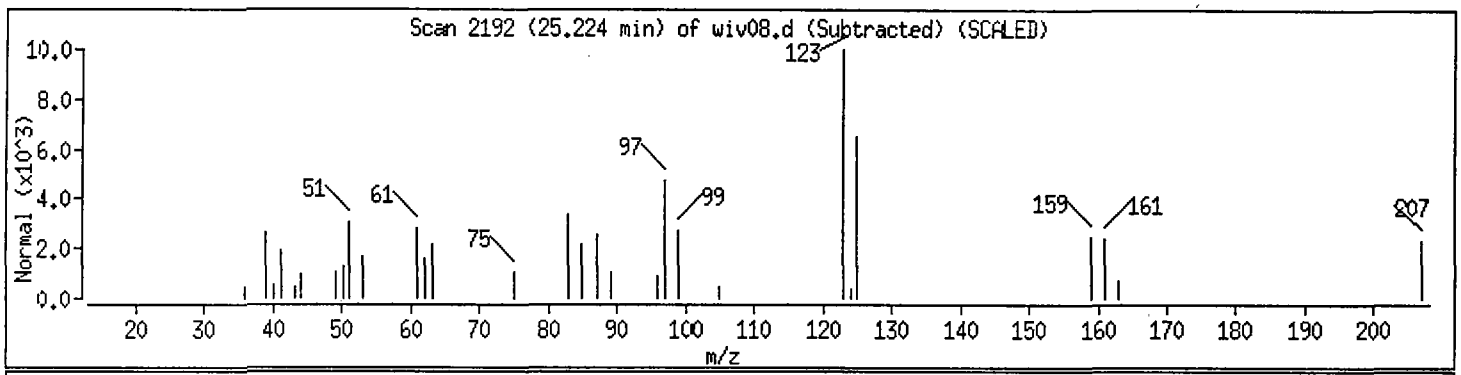
Column phase:

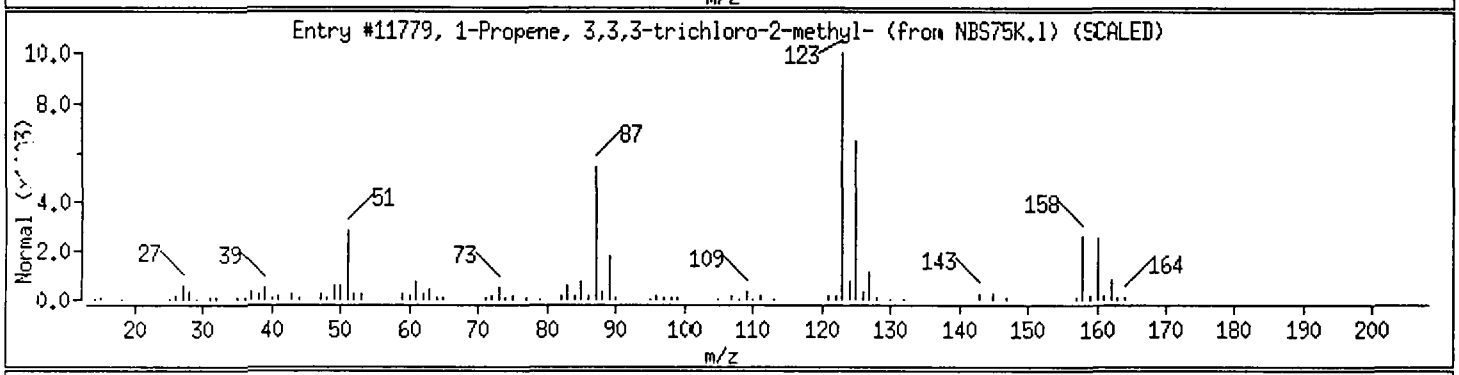
Instrument: gcl2.i

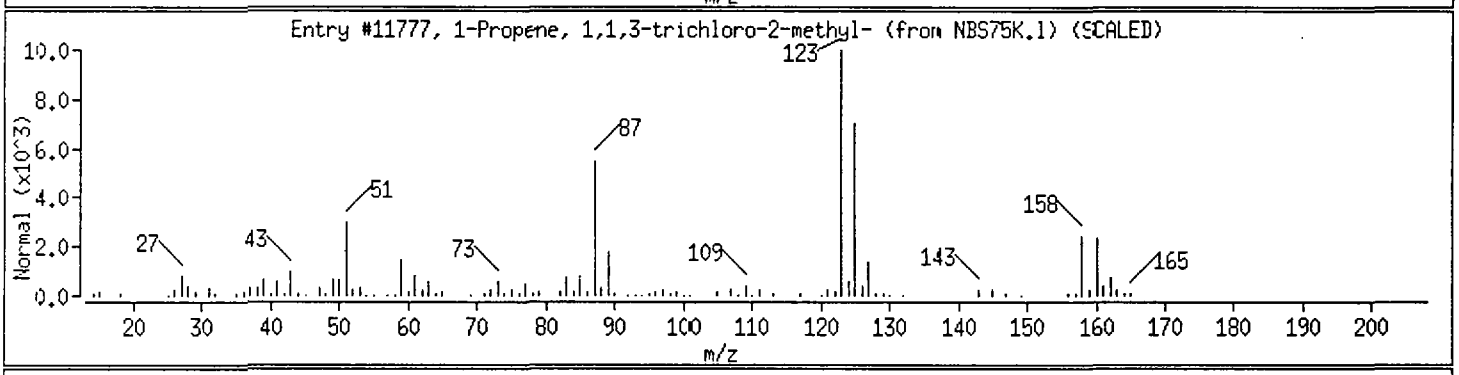
Operator: MANAGER MS

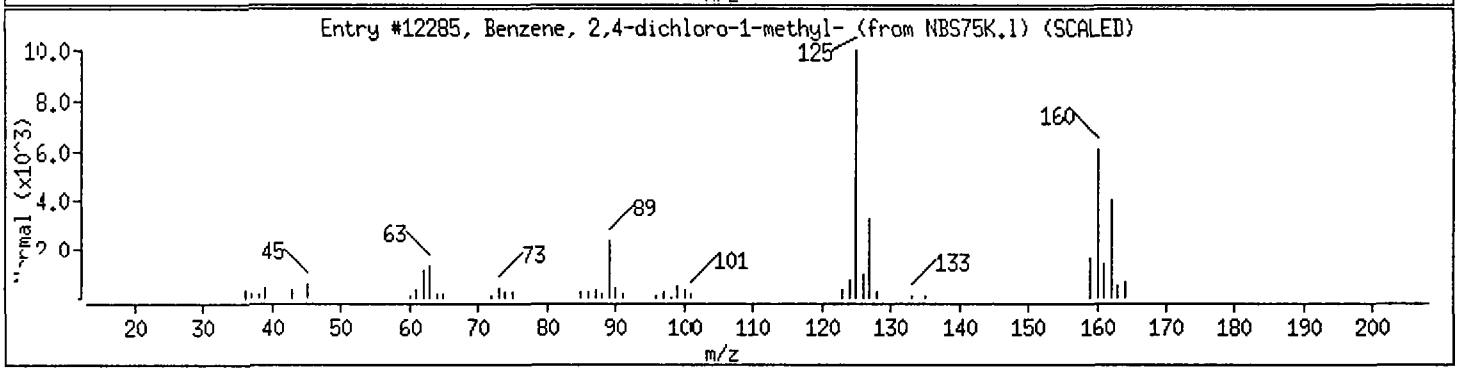
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Propene, 3,3,3-trichloro-2-methyl-	4749-27-3	NBS75K.1	11779	10	C4H5Cl3	158
1-Propene, 1,1,3-trichloro-2-methyl-	31702-33-7	NBS75K.1	11777	10	C4H5Cl3	158
Benzene, 2,4-dichloro-1-methyl-	95-73-8	NBS75K.1	12285	9	C7H6Cl2	160









1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWSDL

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011 DL

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV20

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	340	
540-59-0	1,2-Dichloroethene (total)	650	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane		E
56-23-5	Carbon Tetrachloride	NA	
108-05-4	Vinyl acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWSDL

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011 DL

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV20

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 5.0

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

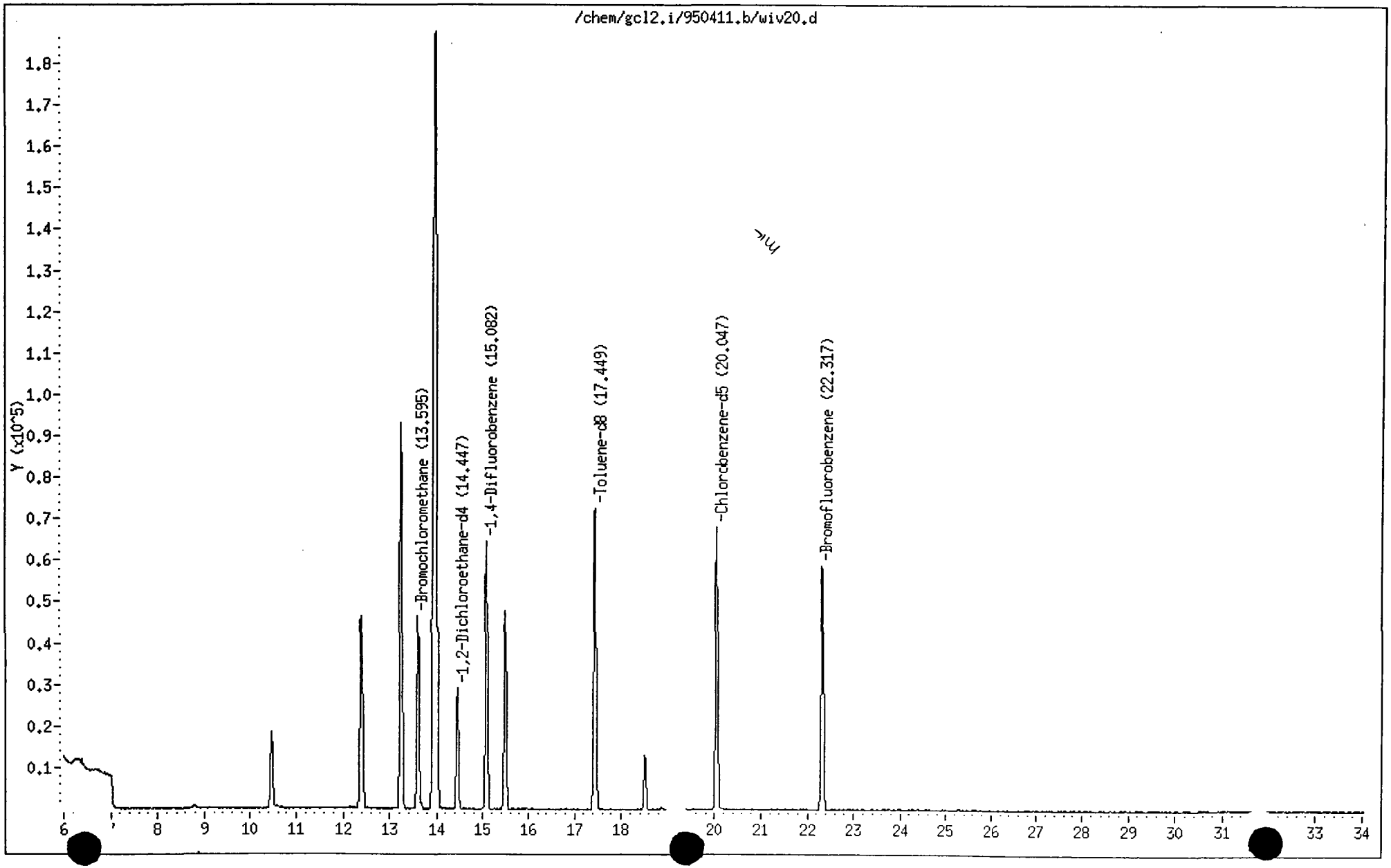
CAS NO.	COMPOUND		
107-02-8	Acrolein	NA	
107-13-1	Acrylonitrile	NA	
75-69-4	Trichlorofluoromethane	NA	
75-71-8	Dichlorodifluoromethane	NA	
75-05-8	Acetonitrile	NA	
74-88-4	Iodomethane	NA	
107-12-0	Propionitrile (Ethyl Cyanide)	NA	
107-05-1	3-Chloropropene	NA	
126-98-7	Methacrylonitrile	NA	
74-95-3	Dibromomethane	NA	
78-83-1	Isobutyl alcohol	NA	
106-93-4	1,2-Dibromoethane	NA	
630-20-6	1,1,1,2-Tetrachloroethane	NA	
96-18-4	1,2,3-Trichloropropane	NA	
110-57-6	trans-1,4-Dichloro-2-butene	NA	
96-12-8	1,2-Dibromo-3-chloropropane	NA	
126-99-8	2-Chloro-1,3-Butadiene	NA	
80-62-6	Methylmethacrylate	NA	
97-63-2	Ethylmethacrylate	NA	
76-01-7	Pentachloroethane	NA	

FORM 1 V-2 12/88 Rev.

Data File: /chem/gcl2.i/950411.b/wiv20.d
Date : 11-APR-1995 13:49
Client ID:
Sample Info: 9503G001-011 BXA411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411.b/wiv20.d
Lab Smp Id:
Inj Date : 11-APR-1995 13:49
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-011 BXA411
Misc Info : GCL#2,DIL=5,1ML SMP + 5UL IS,SS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
11 1,1-Dichloroethene	96.00	10.464	10.490	(0.770)	14195	36.53	7.30
19 1,1-Dichloroethane	63.00	12.386	12.433	(0.911)	91869	67.17	13.43
21 1,2-Dichloroethene (total)	96.00	13.238	13.296	(0.974)	71535	130.8	26.16
22 cis-1,2-Dichloroethene	96.00	13.238	13.296	(0.974)	71535	97.75	19.55
* 27 Bromochloromethane	127.80	13.595	13.653	(1.000)	19139	50.00	
29 1,1,1-Trichloroethane	97.00	13.962	14.020	(0.926)	299910	328.1 (E)	65.61
30 Carbon Tetrachloride	116.80	13.962	14.258	(0.926)	44481	55.56	11.11
$ 33 1,2-Dichloroethane-d4	65.00	14.447	14.506	(1.063)	31007	53.51	10.70
* 36 1,4-Difluorobenzene	114.00	15.082	15.130	(1.000)	95445	50.00	
38 Trichloroethene	130.00	15.488	15.547	(1.027)	33963	39.64	7.93
$ 46 Toluene-d8	98.00	17.449	17.511	(0.870)	91367	47.45	9.49
52 Tetrachloroethene	164.00	18.509	18.572	(0.923)	7243	10.24	2.05
* 56 Chlorobenzene-d5	117.00	20.047	20.109	(1.000)	78631	50.00	
$ 64 Bromofluorobenzene	95.00	22.327	22.380	(1.114)	49555	50.48	10.10

Data File: /chem/gcl2.i/950411.b/wiv20.d

Date : 11-APR-1995 13:49

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXA411

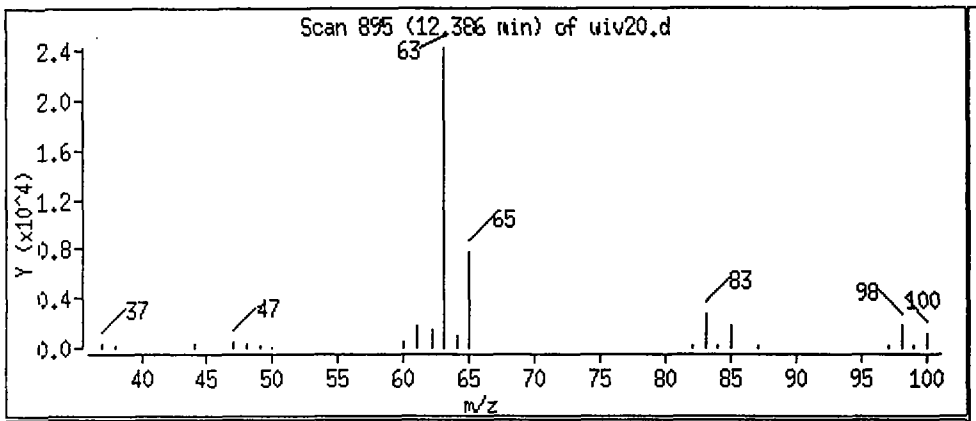
Purge Volume: 5.0

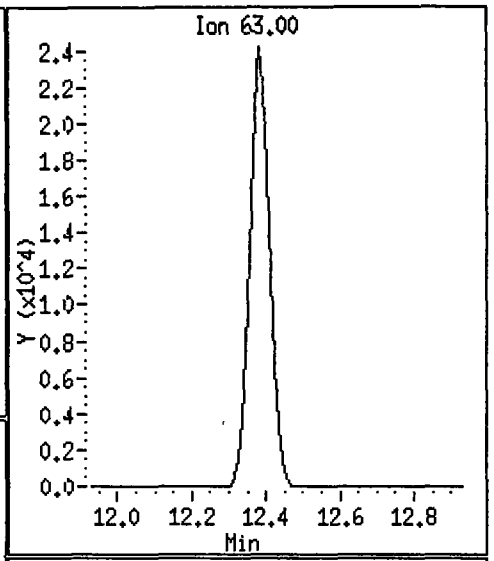
Operator: MANAGER MS

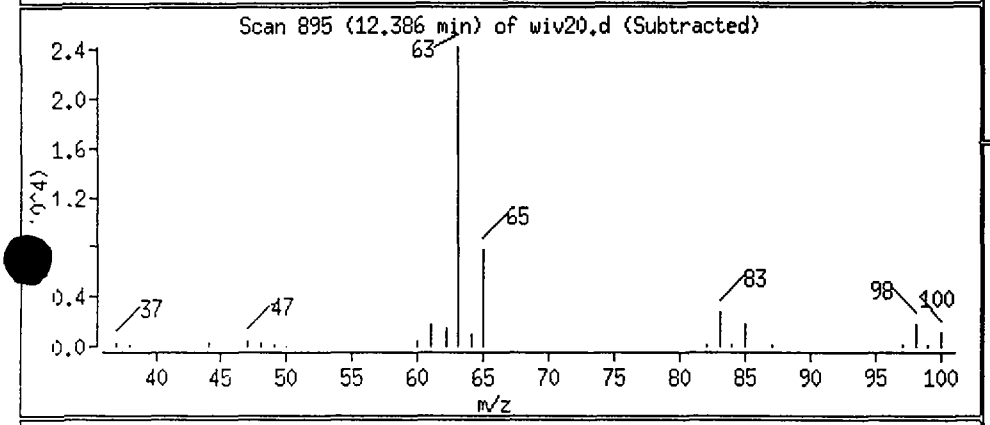
Column phase:

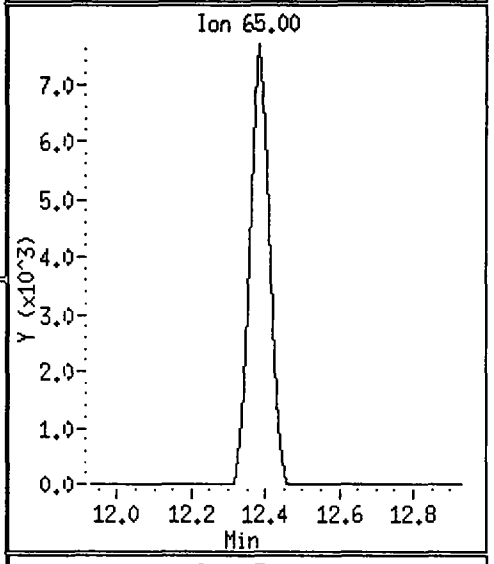
Column diameter: 2.00

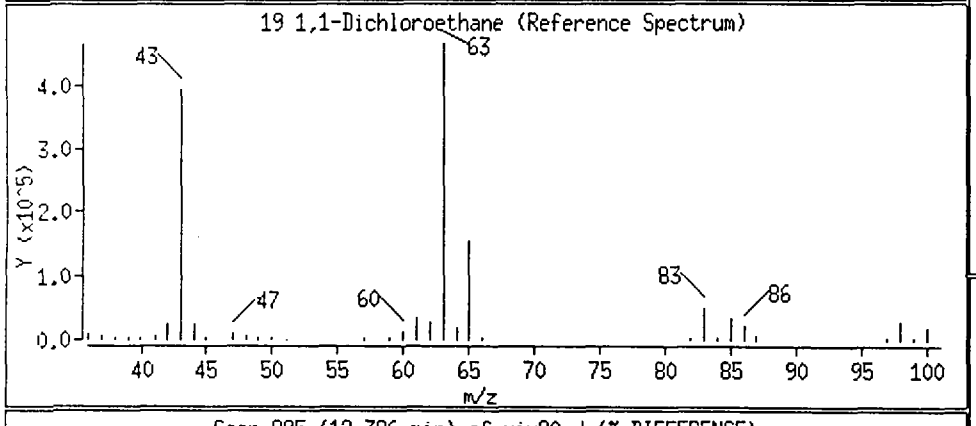
19 1,1-Dichloroethane

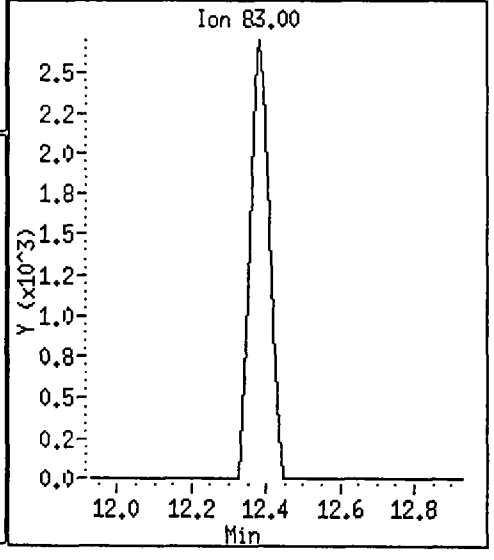


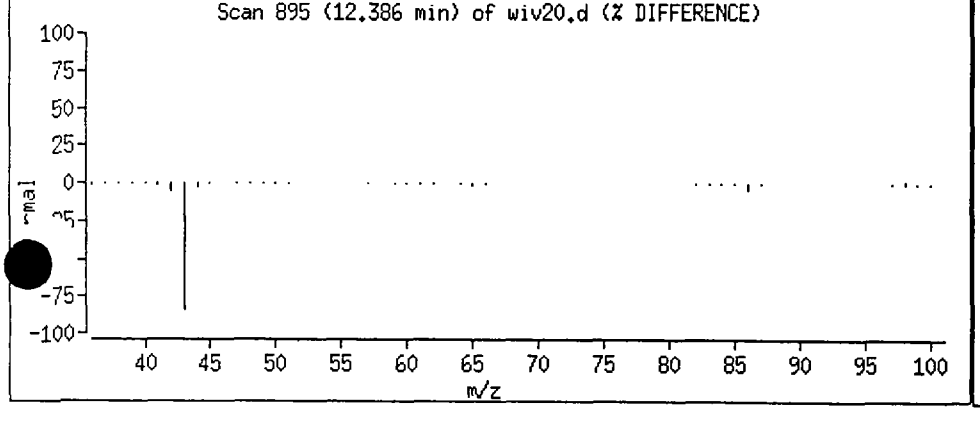












Data File: /chem/gcl2.i/950411.b/wiv20.d

Date : 11-APR-1995 13:49

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXA411

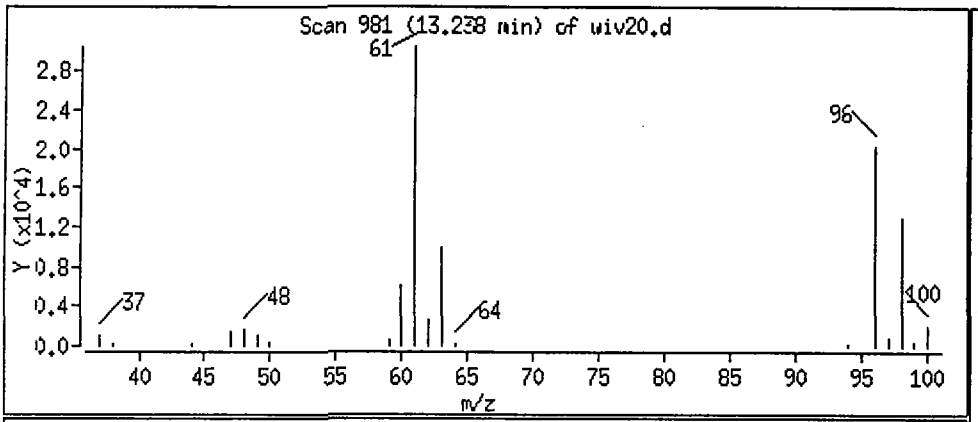
Purge Volume: 5.0

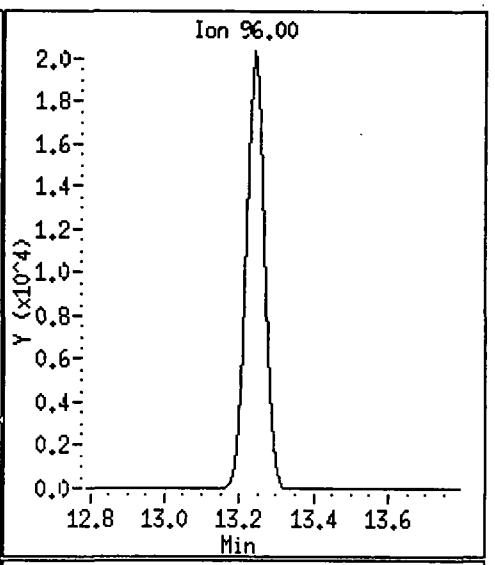
Operator: MANAGER MS

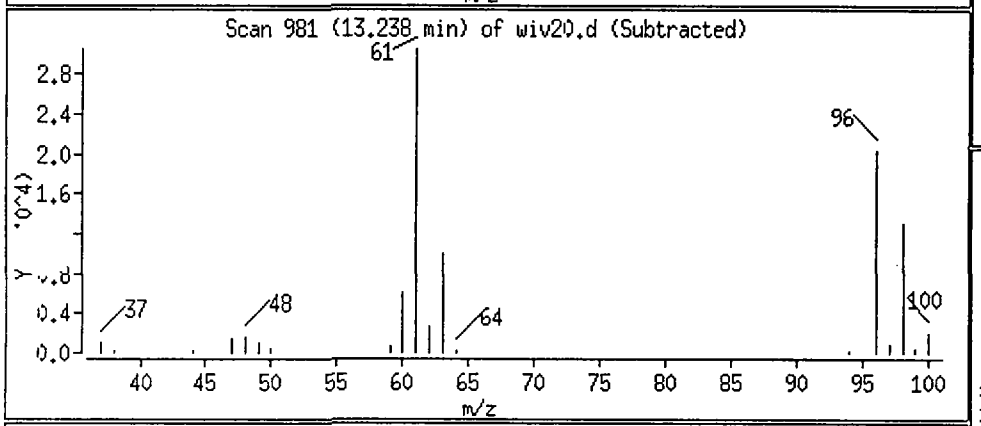
Column phase:

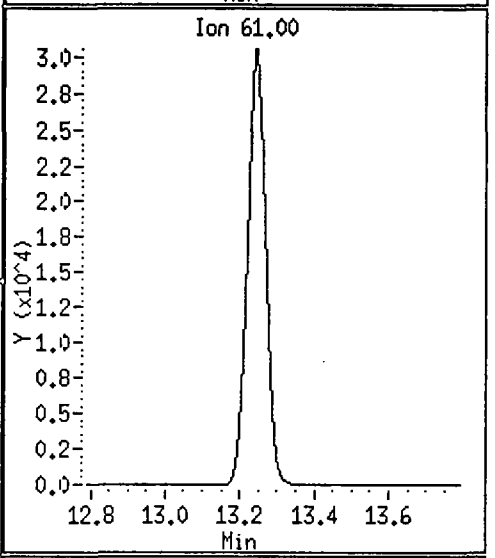
Column diameter: 2.00

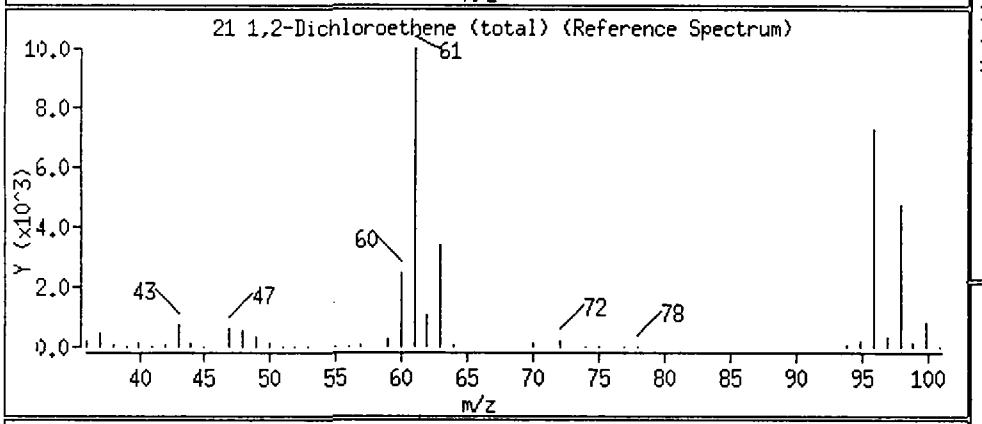
21 1,2-Dichloroethene (total)

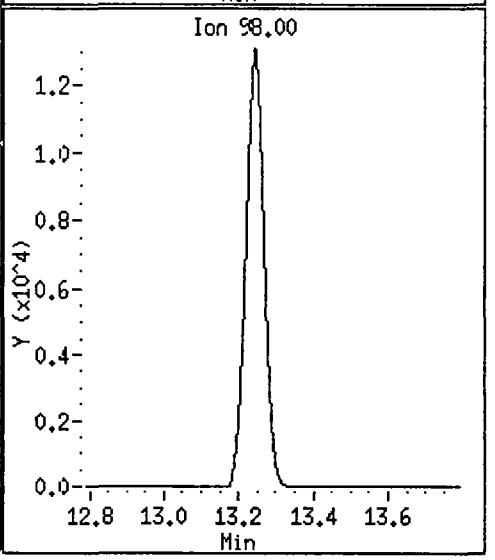


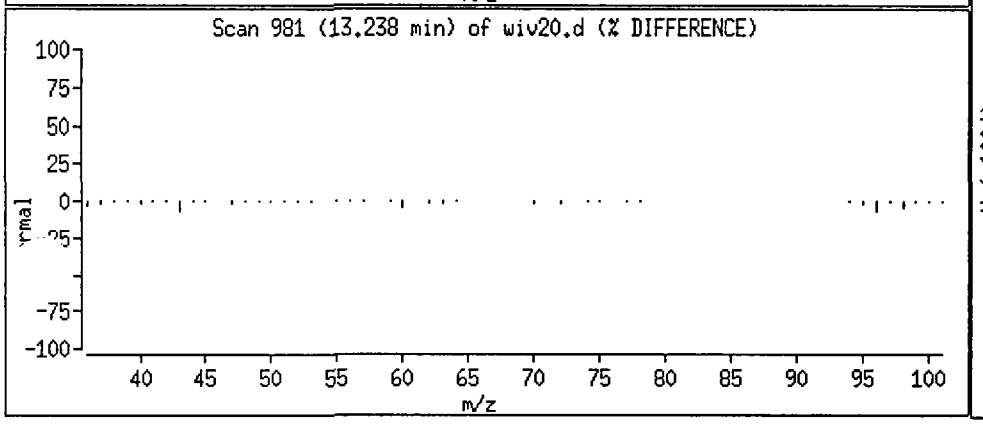












Data File: /chem/gcl2.i/950411.b/wiv20.d

Date : 11-APR-1995 13:49

Client ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXA411

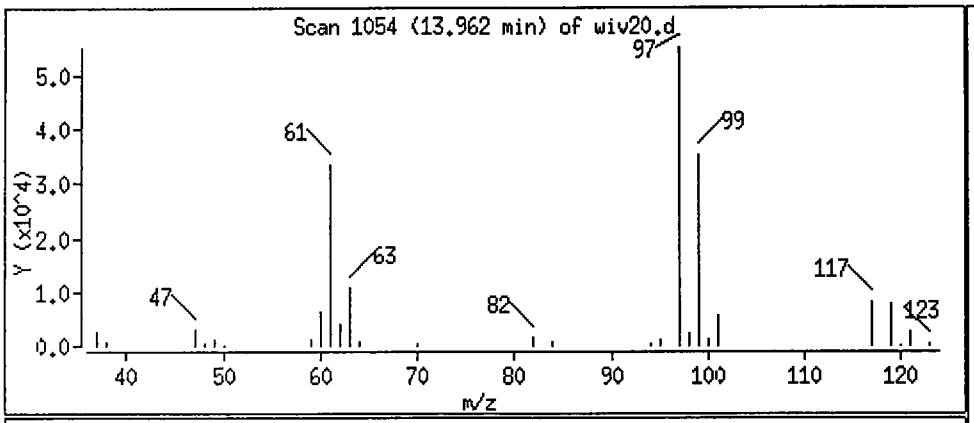
Purge Volume: 5.0

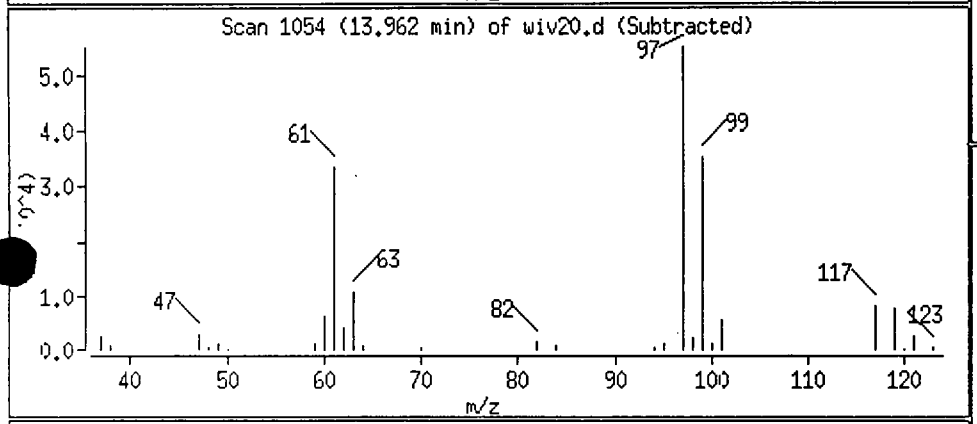
Operator: MANAGER MS

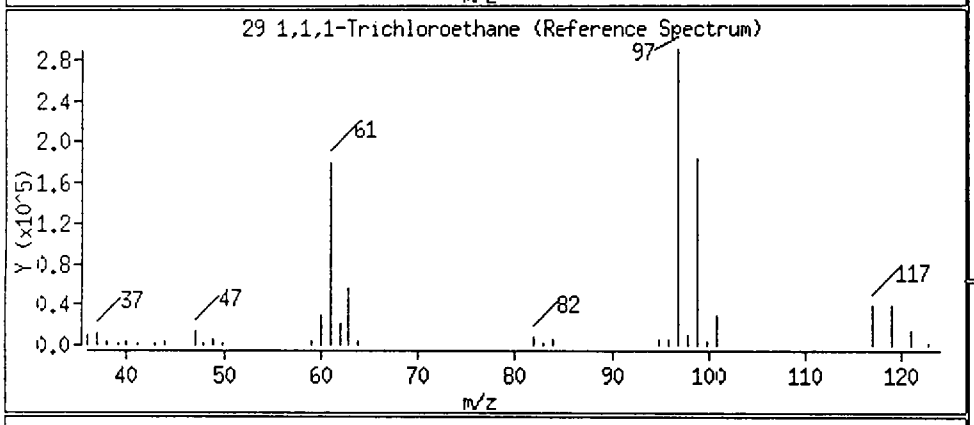
Column phase:

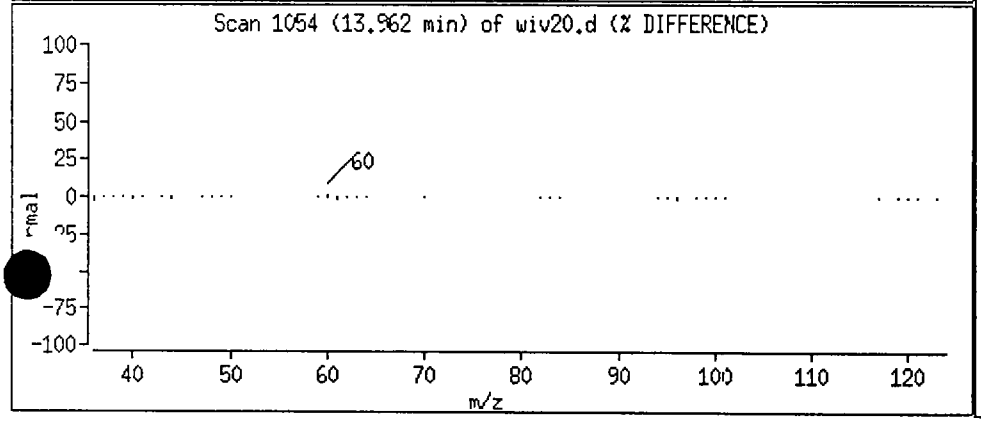
Column diameter: 2.00

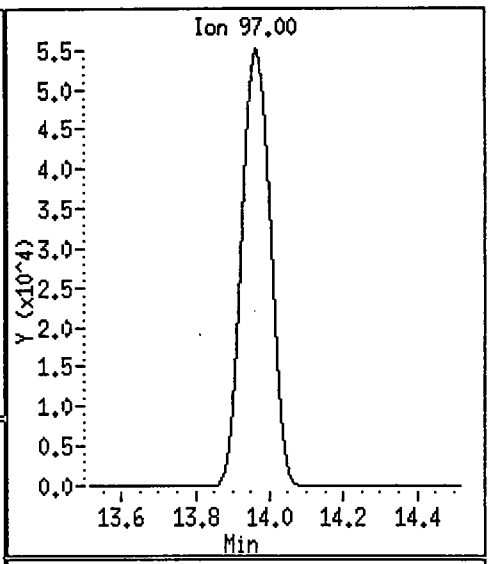
29 1,1,1-Trichloroethane

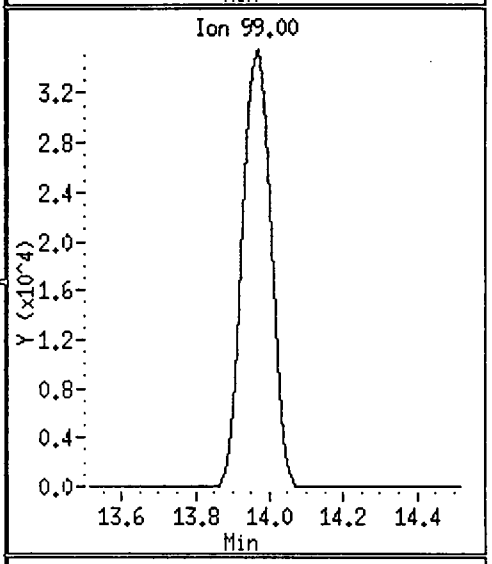


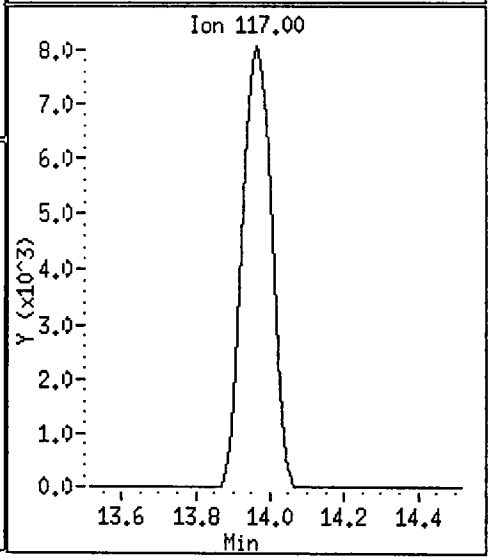












1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWSDL

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011 DL

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV21

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane	1900	
56-23-5	Carbon Tetrachloride	NA	
108-05-4	Vinyl acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWSDL

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-011 DL

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV21

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 10.0

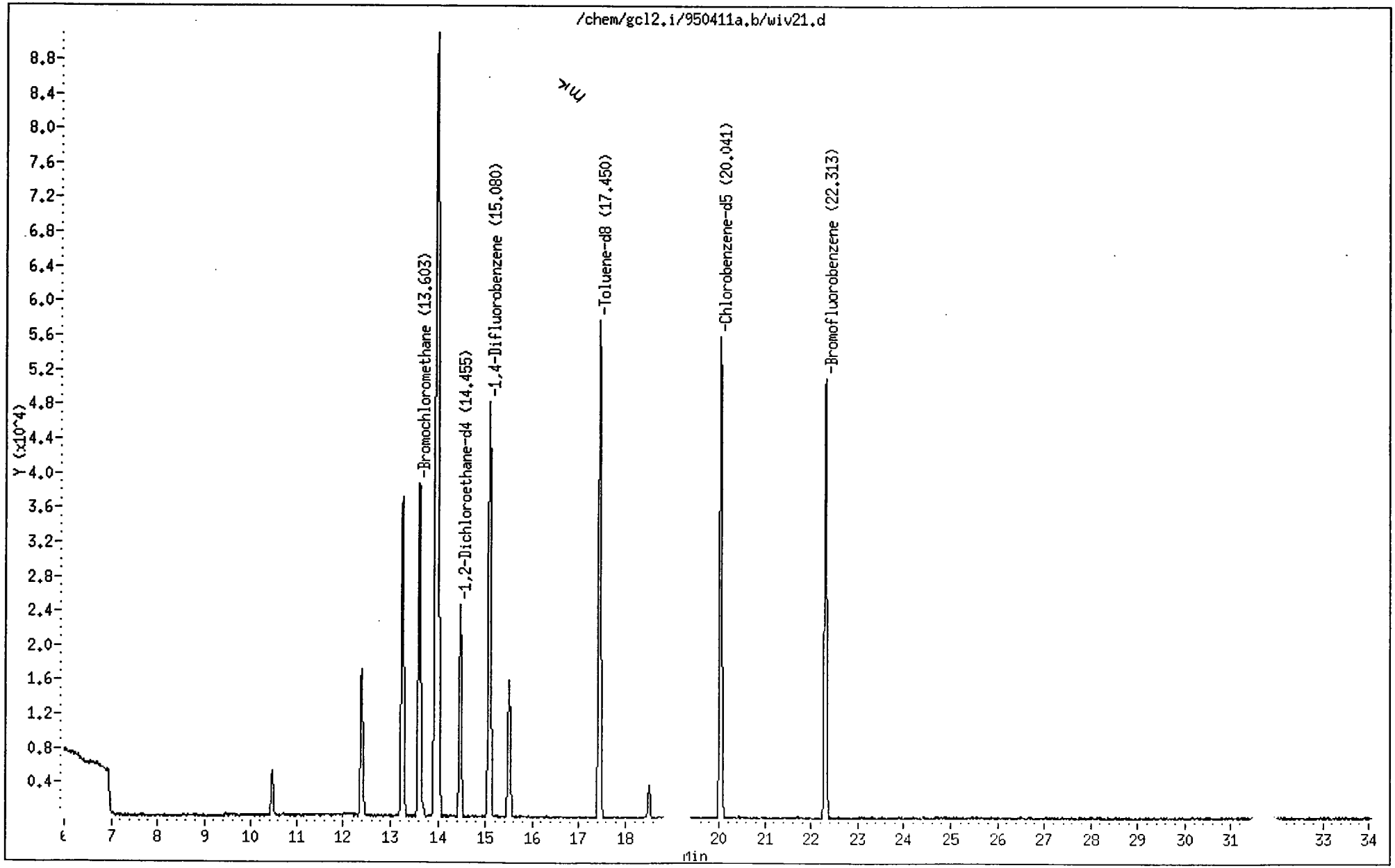
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	NA	
107-13-1	Acrylonitrile	NA	
75-69-4	Trichlorofluoromethane	NA	
75-71-8	Dichlorodifluoromethane	NA	
75-05-8	Acetonitrile	NA	
74-88-4	Iodomethane	NA	
107-12-0	Propionitrile (Ethyl Cyanide)	NA	
107-05-1	3-Chloropropene	NA	
126-98-7	Methacrylonitrile	NA	
74-95-3	Dibromomethane	NA	
78-83-1	Isobutyl alcohol	NA	
106-93-4	1,2-Dibromoethane	NA	
630-20-6	1,1,1,2-Tetrachloroethane	NA	
96-18-4	1,2,3-Trichloropropane	NA	
110-57-6	trans-1,4-Dichloro-2-butene	NA	
96-12-8	1,2-Dibromo-3-chloropropane	NA	
126-99-8	2-Chloro-1,3-Butadiene	NA	
80-62-6	Methylmethacrylate	NA	
97-63-2	Ethylmethacrylate	NA	
76-01-7	Pentachloroethane	NA	

FORM 1 V-2 12/88 Rev.

Data File: /chem/gcl2.i/950411a.b/wiv21.d
Date : 12-APR-1995 03:04
Client ID:
Sample Info: 9503G001-011 BXC411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/wiv21.d
Lab Smp Id:
Inj Date : 12-APR-1995 03:04
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-011 BXC411
Misc Info : GCL#2,DIL=10,500ULSMP+5ULIS,SS+4.5MLOFW
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk DL

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1,1-Dichloroethene	96.00	10.461	10.486	(0.769)	4135	11.51	2.30
	1,1-Dichloroethane	63.00	12.394	12.428	(0.911)	34562	28.86	5.77
	1,2-Dichloroethene (total)	96.00	13.256	13.280	(0.975)	27512	54.95	10.99
	cis-1,2-Dichloroethene	96.00	13.256	13.280	(0.975)	27512	42.20	8.44
*	27 Bromochloromethane	127.80	13.603	13.627	(1.000)	16070 ✓	50.00	
	29 1,1,1-Trichloroethane	97.00	13.970	14.004	(0.926)	130600	190.5	38.10
	Carbon Tetrachloride	116.80	13.970	14.242	(0.926)	19454	33.62	6.72
S	33 1,2-Dichloroethane-d4	65.00	14.455	14.480	(1.063)	26487	53.18 ✓	10.64
*	36 1,4-Difluorobenzene	114.00	15.080	15.104	(1.000)	72787 ✓	50.00	
	Trichloroethene	130.00	15.496	15.521	(1.028)	11218	17.39	3.48
S	46 Toluene-d8	98.00	17.450	17.464	(0.871)	73223	49.05 ✓	9.81
	Tetrachloroethene	164.00	18.513	18.525	(0.924)	2109	3.91	0.782
*	56 Chlorobenzene-d5	117.00	20.041	20.041	(1.000)	63660 ✓	50.00	
S	64 Bromofluorobenzene	95.00	22.313	22.321	(1.113)	42475	54.74 ✓	10.95

Data File: /chem/gcl2.i/950411a.b/wiv21.d

Date : 12-APR-1995 03:04

ient ID:

Instrument: gcl2.i

Sample Info: 9503G001-011 BXC411

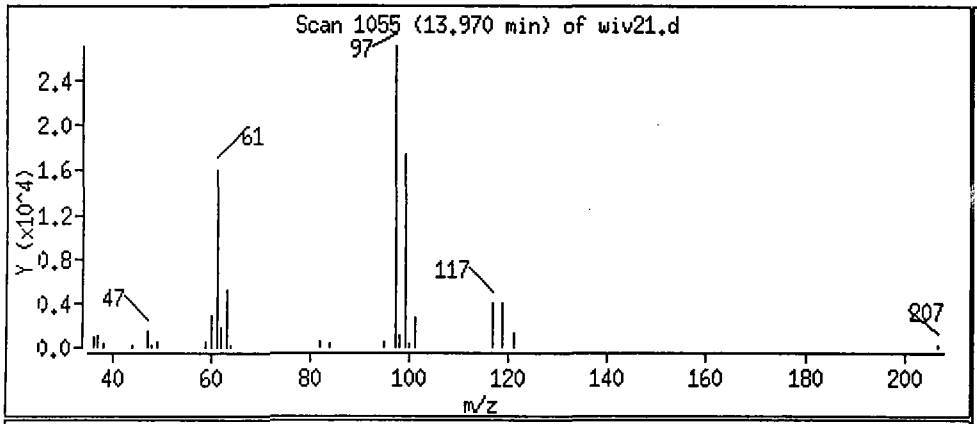
Purge Volume: 5.0

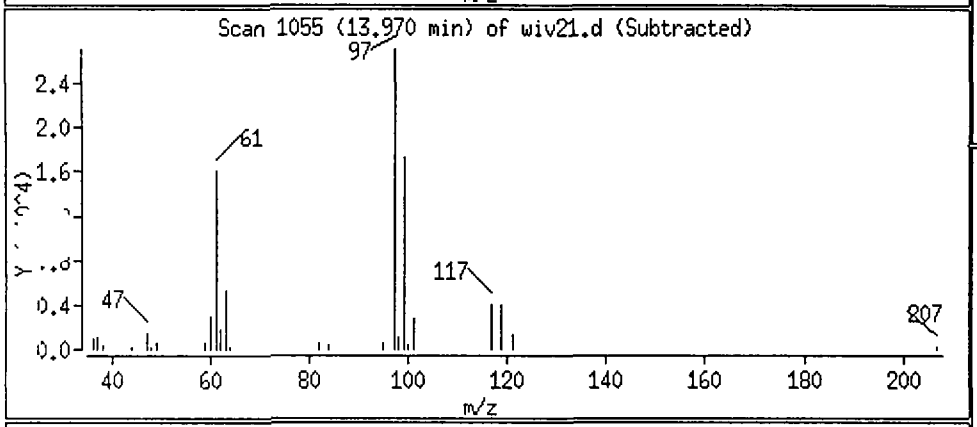
Operator: MANAGER MS

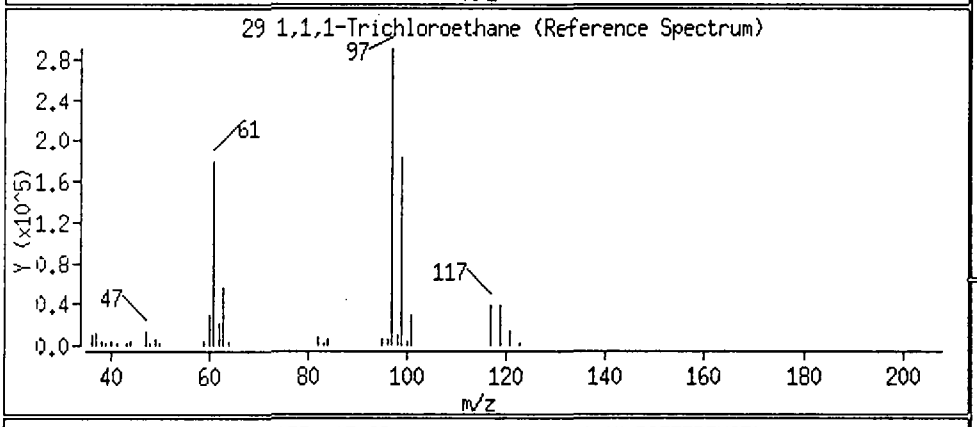
Column phase:

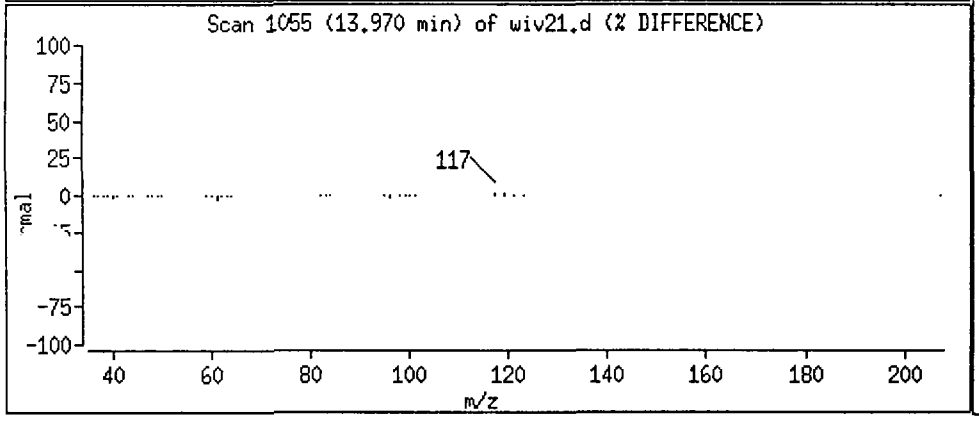
Column diameter: 2.00

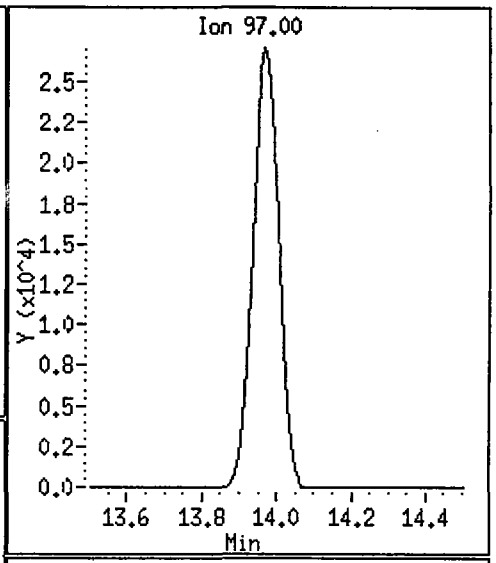
29 1,1,1-Trichloroethane

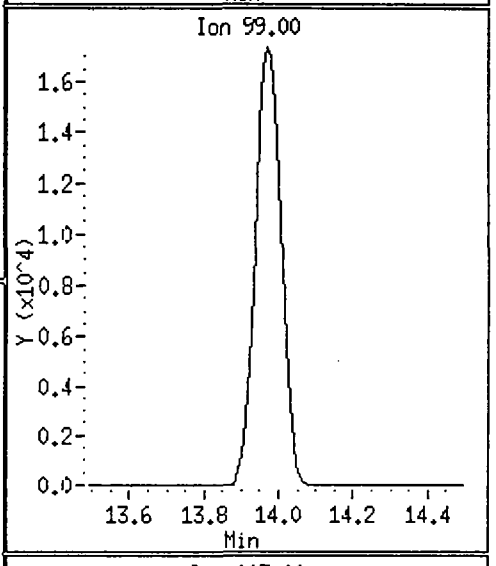


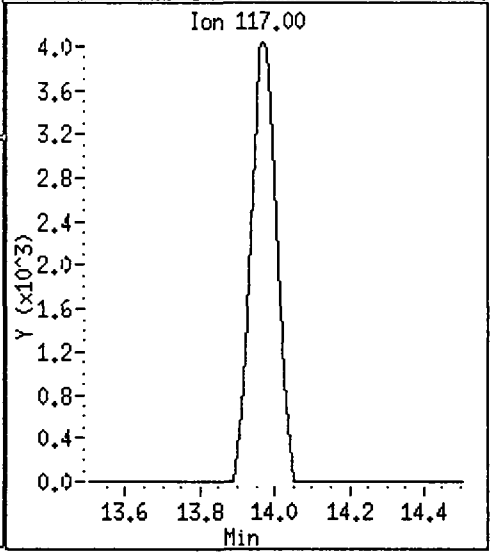












1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-013

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV09

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	13	
75-34-3	1,1-Dichloroethane	50	
540-59-0	1,2-Dichloroethene (total)	72	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	250	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	9	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-013

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV09

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. _____ Date Analyzed: 04/10/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP13-GWD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-013

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV09

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

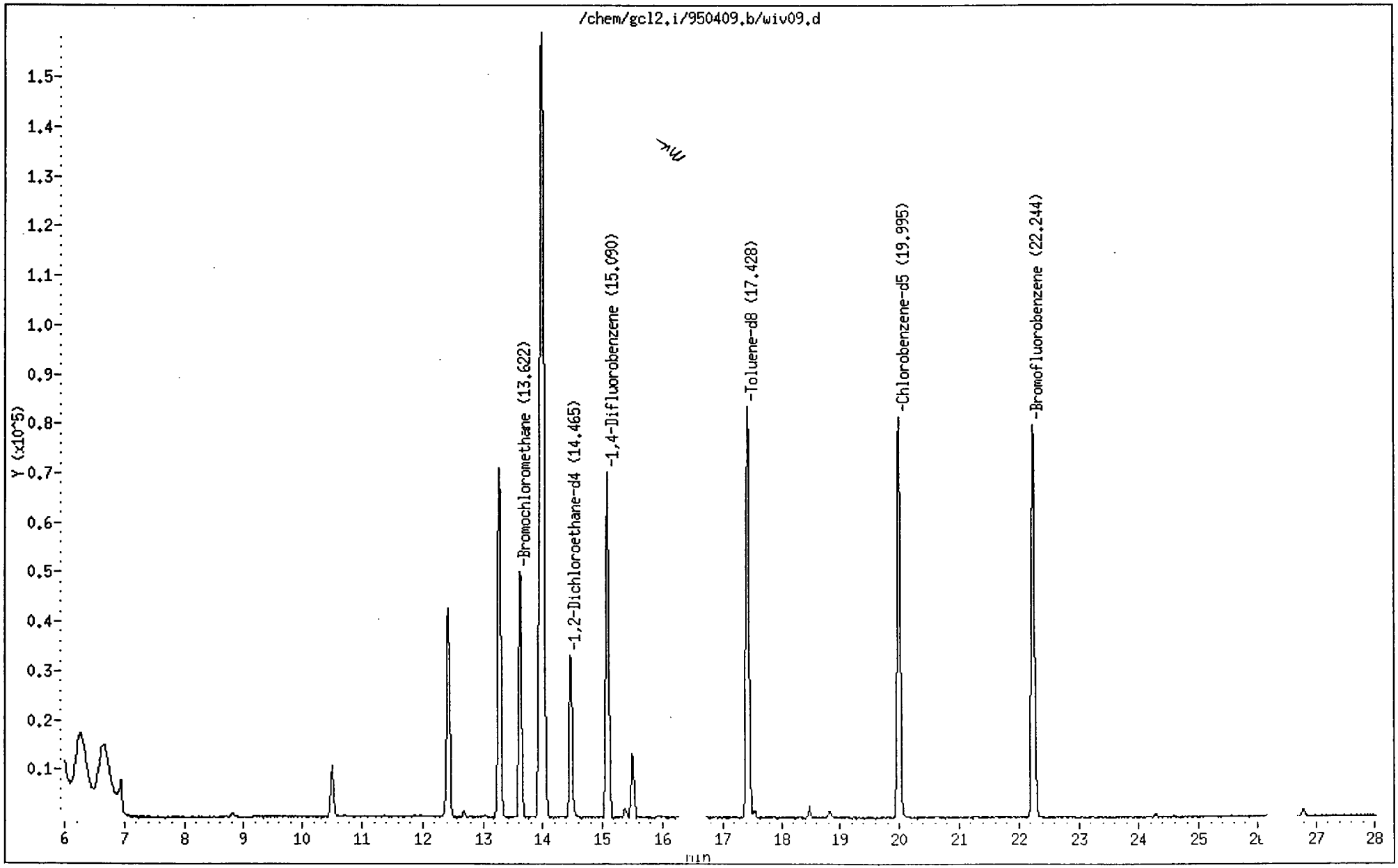
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gcl2.i/950409.b/wiv09.d
Date : 10-APR-1995 03:54
Client ID:
Sample Info: 9503G001-013 BXB409

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/bwiv09.d
Lab Smp Id:
Inj Date : 10-APR-1995 03:54
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-013 BXB409
Misc Info : GCL#2,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 10-Apr-1995 08:16 csadmin Quant Type: ISTD
Cal Date : 10-APR-1995 07:35 Cal File: ya410.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1,1-Dichloroethene	96.00	10.510	10.456	(0.772)	7363	13.26	13.26
	1,1-Dichloroethane	63.00	12.423	12.379	(0.912)	82299	50.24	50.24
	21 1,2-Dichloroethene (total)	96.00	13.275	13.232	(0.975)	51859	71.54	71.54
	22 cis-1,2-Dichloroethene	96.00	13.275	13.232	(0.975)	51859	56.51	56.51
*	27 Bromochloromethane	127.80	13.622	13.579	(1.000)	20090	50.00	
	29 1,1,1-Trichloroethane	97.00	13.989	13.946	(0.927)	232236	245.5	245.5
	30 Carbon Tetrachloride	116.80	13.989	14.194	(0.927)	34197	40.44	40.44
S	33 1,2-Dichloroethane-d4	65.00	14.465	14.442	(1.062)	35062	56.85	56.85
*	36 1,4-Difluorobenzene	114.00	15.090	15.057	(1.000)	103099	50.00	
	38 Trichloroethene	130.00	15.496	15.473	(1.027)	9425	8.99	8.99
S	46 Toluene-d8	98.00	17.428	17.437	(0.872)	104473	48.56	48.56
*	56 Chlorobenzene-d5	117.00	19.995	20.045	(1.000)	93818	50.00	
S	64 Bromofluorobenzene	95.00	22.244	22.316	(1.112)	64899	50.82	50.82

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/wiv09.d
Lab Smp Id:
Inj Date : 10-APR-1995 03:54
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-013 BXB409
Misc Info : GCL#2,DIL=1,5ML SMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950410.b/8240w2.m
Meth Date : 10-Apr-1995 08:48 csadmin
Cal Date : 03-APR-1995 15:06 Cal File: ye403.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: None
Quantitative Mode : Use RF of Nearest Std

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

mc

Data File: /chem/gcl2.i/950409.b/wiv09.d

Date : 10-APR-1995 03:54

Client ID:

Sample Info: 9503G001-013 BXB409

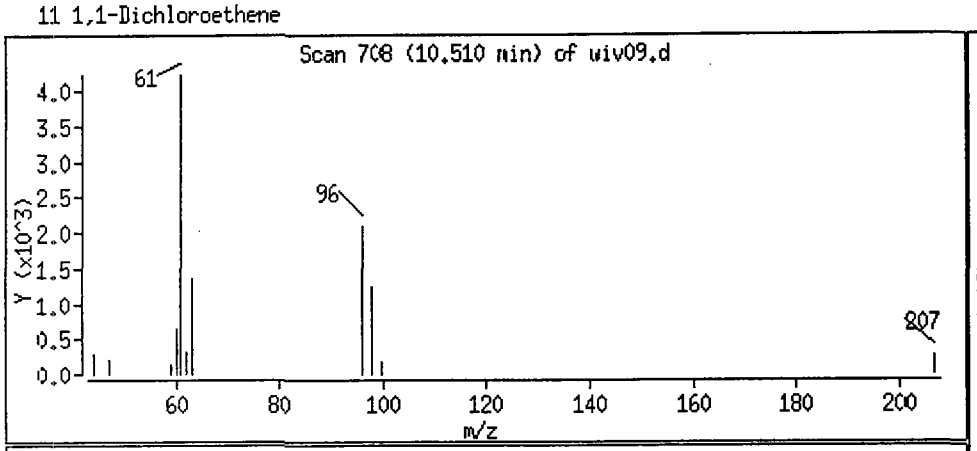
Instrument: gcl2.i

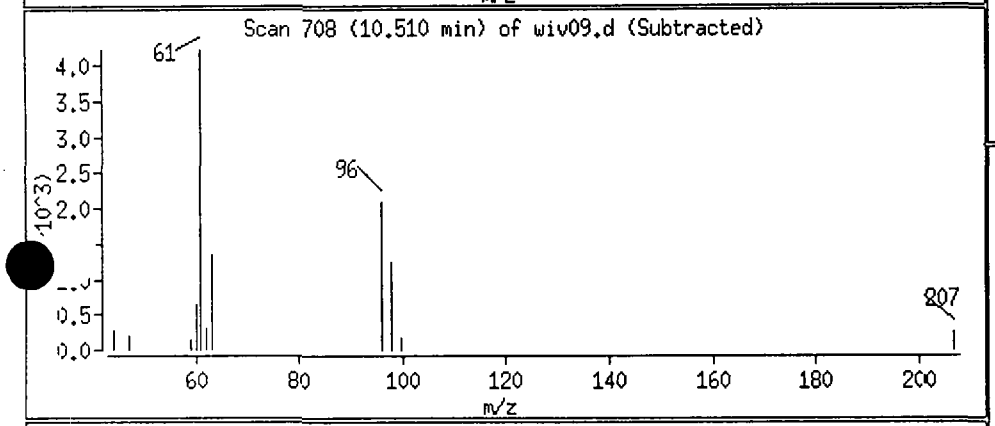
Operator: MANAGER MS

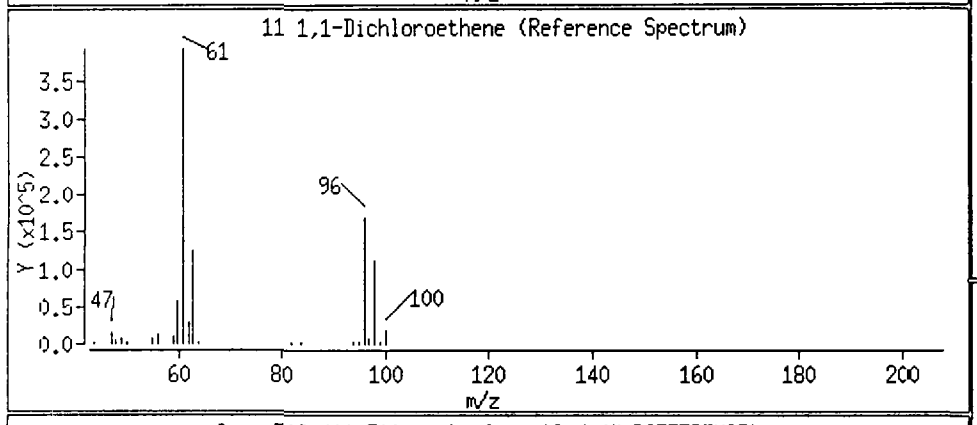
Column phase:

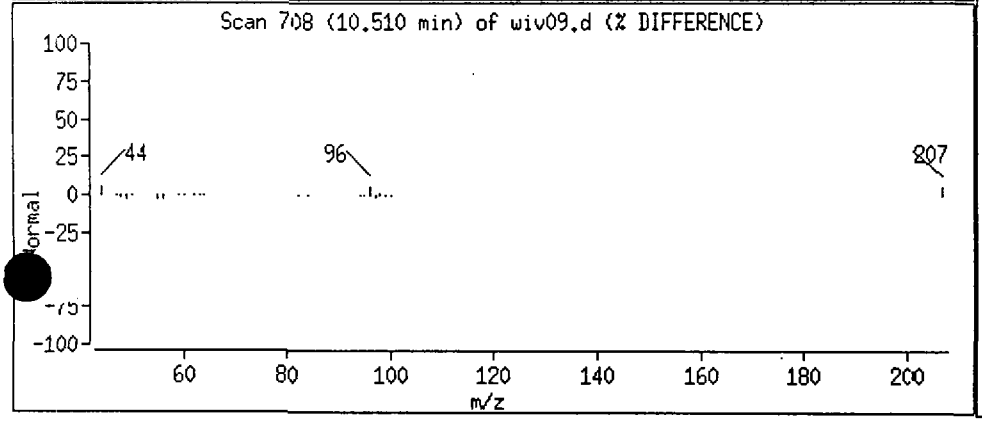
Column diameter: 2.00

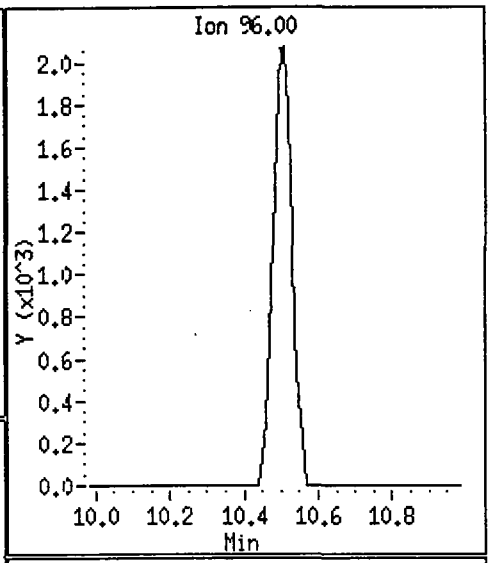
11 1,1-Dichloroethene

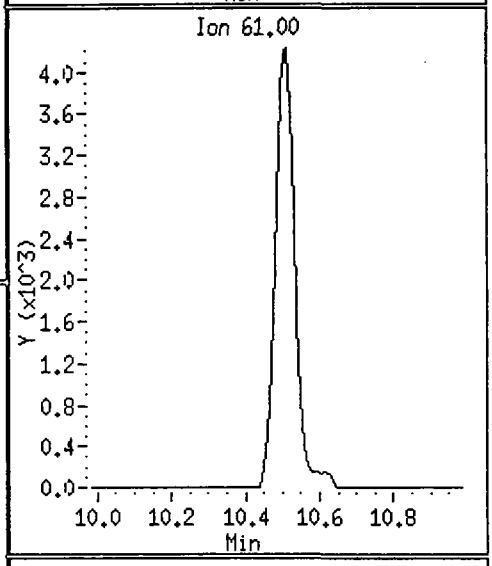


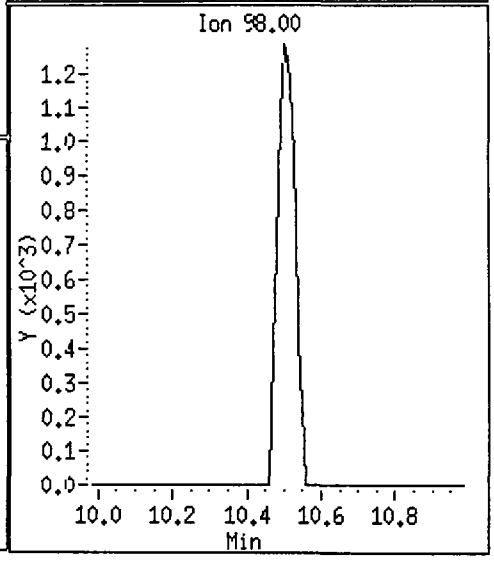












Data File: /chem/gcl2.i/950409.b/wiv09.d

Date : 10-APR-1995 03:54

Client ID:

Sample Info: 9503G001-013 BXB409

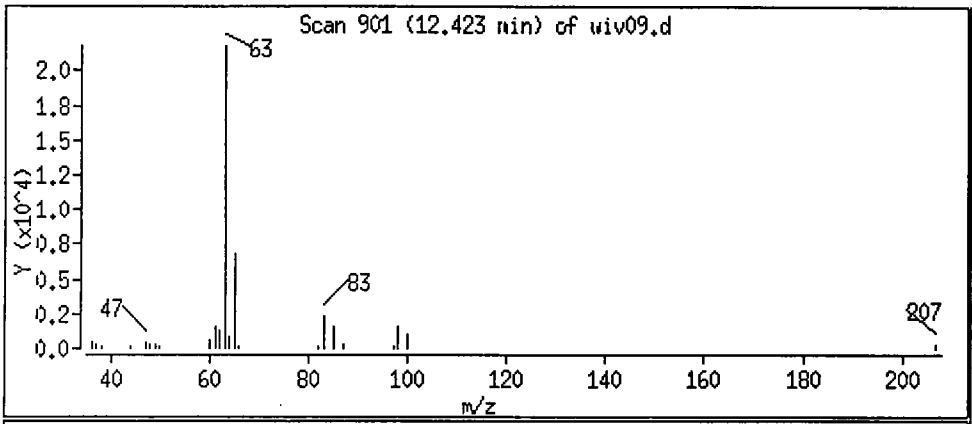
Instrument: gcl2.i

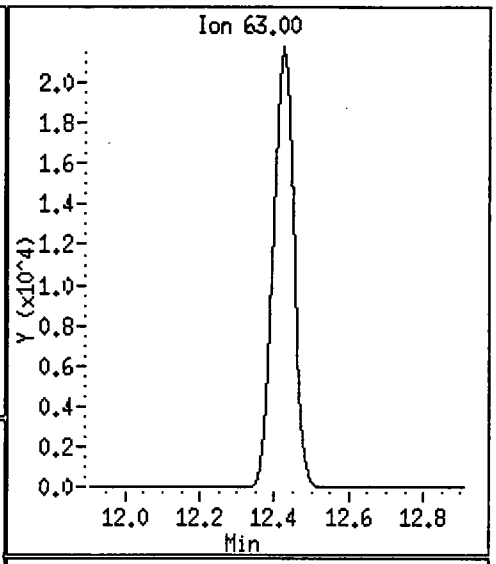
Operator: MANAGER MS

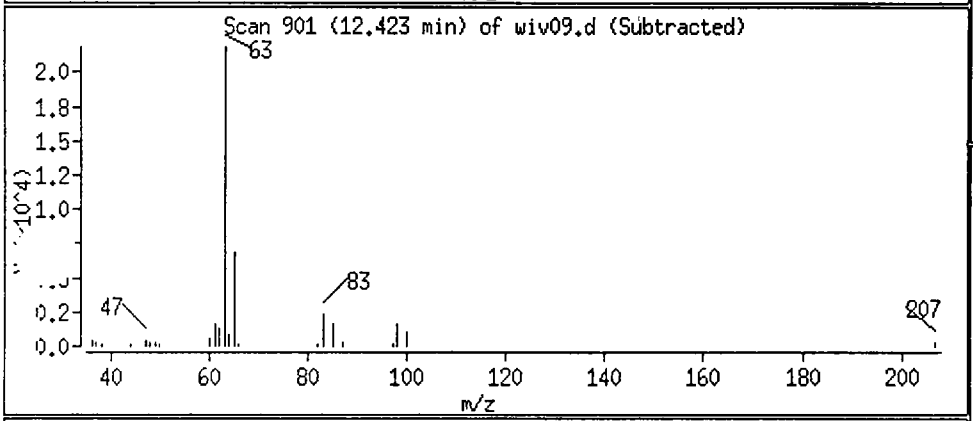
Column phase:

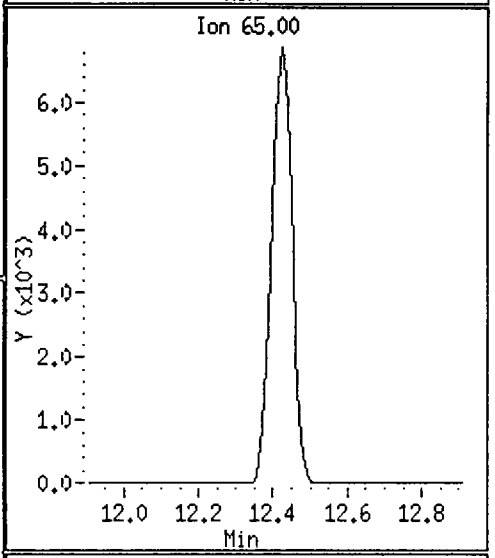
Column diameter: 2.00

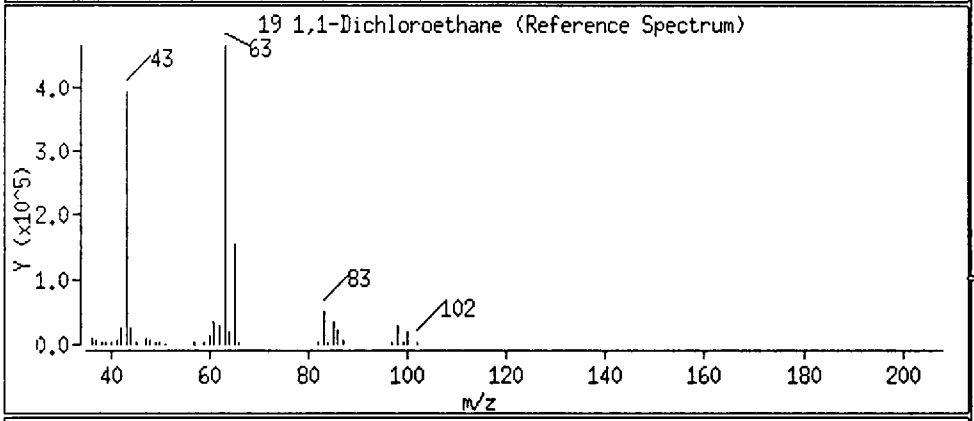
19 1,1-Dichloroethane

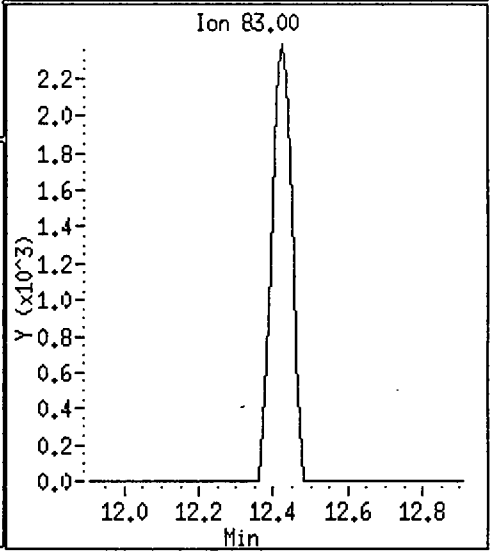


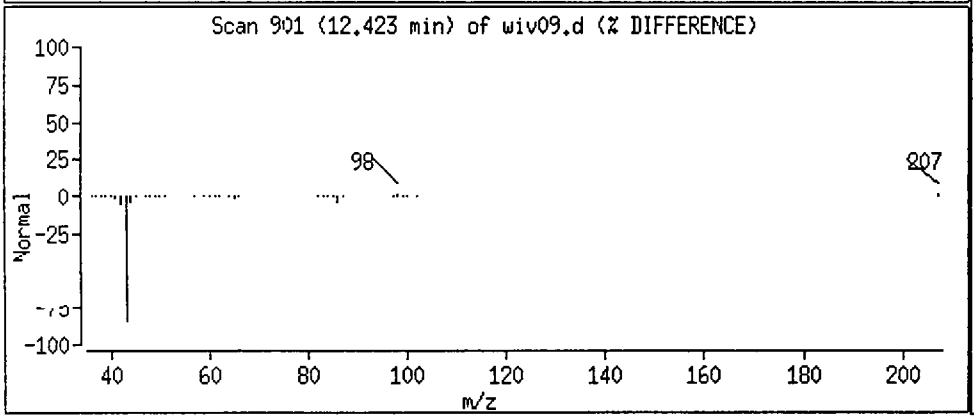












Data File: /chem/gcl2.i/950409.b/wiv09.d

Date : 10-APR-1995 03:54

Client ID:

Instrument: gcl2.i

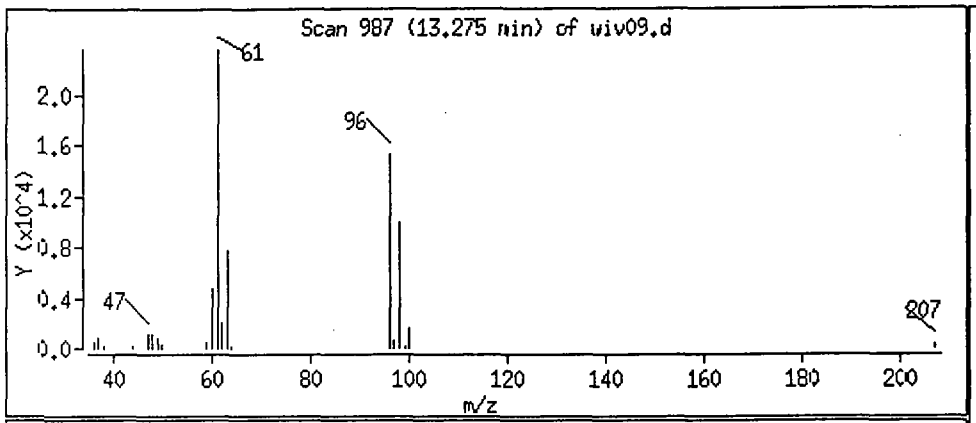
Sample Info: 9503G001-013 BXB409

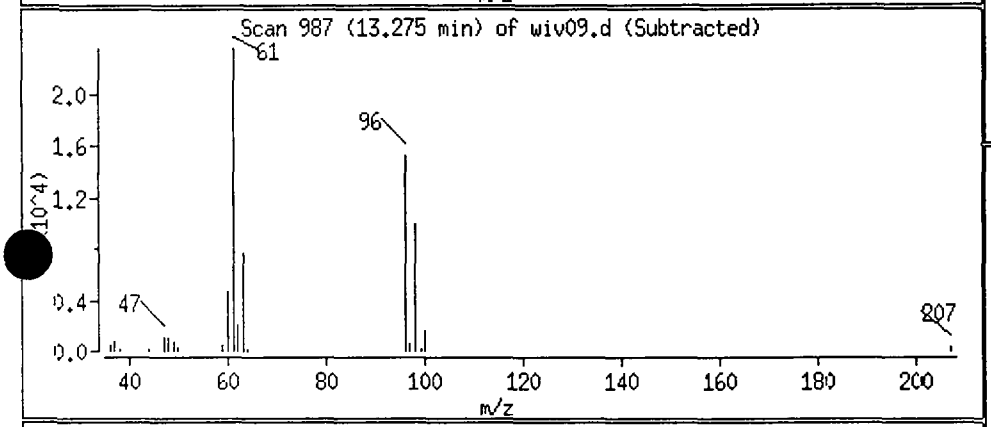
Operator: MANAGER MS

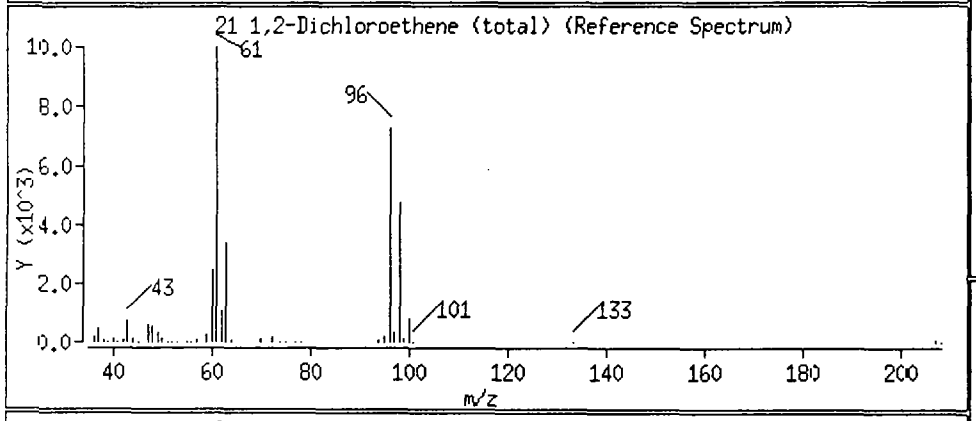
Column phase:

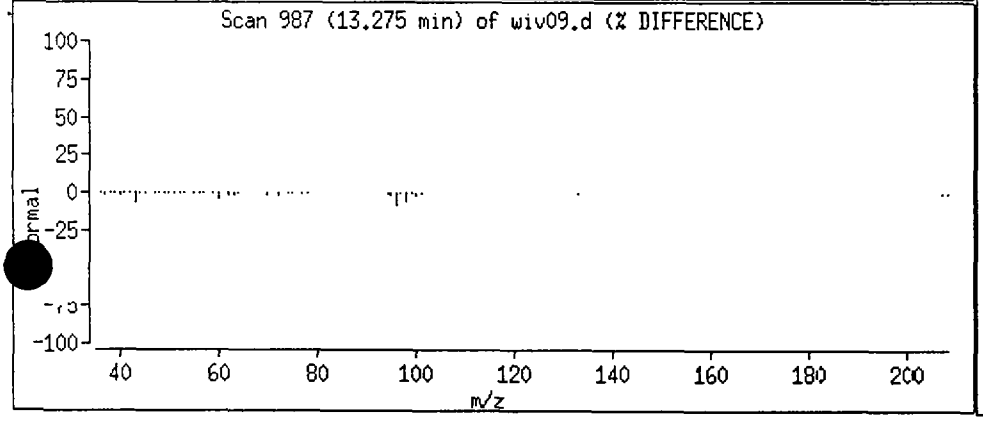
Column diameter: 2.00

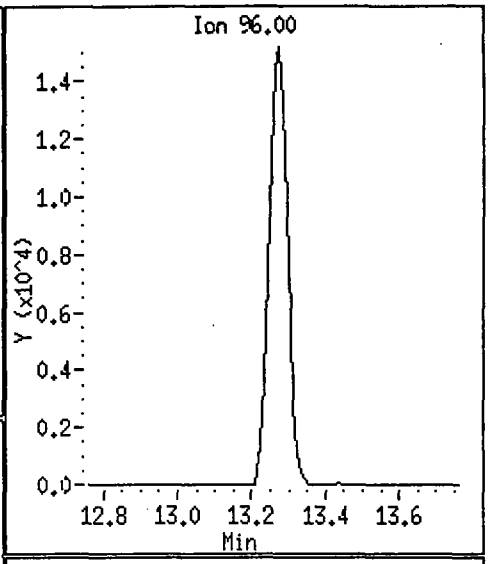
21 1,2-Dichloroethene (total)

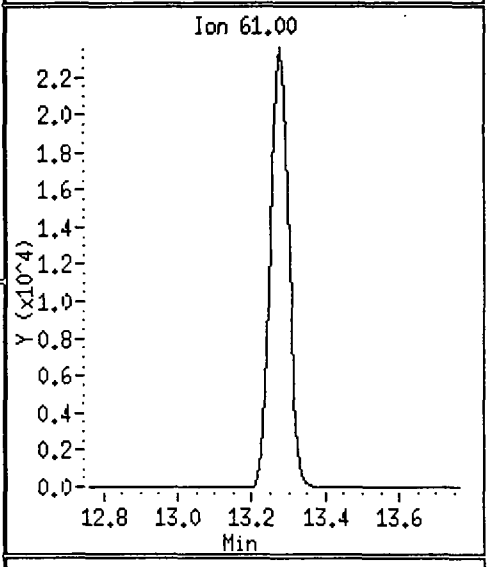


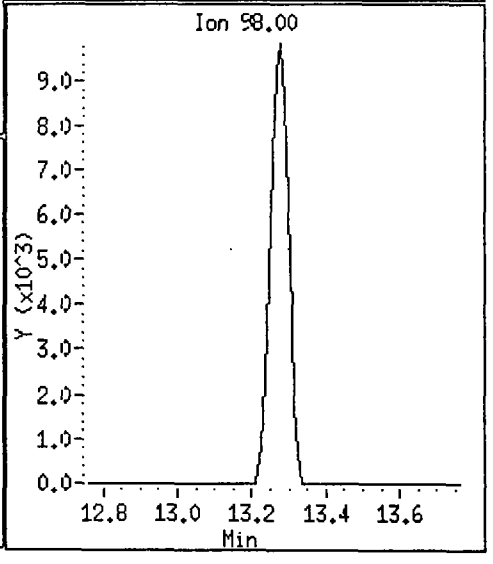












Data File: /chem/gcl2.i/950409.b/wiv09.d

Date : 10-APR-1995 03:54

'ient ID:

Instrument: gcl2.i

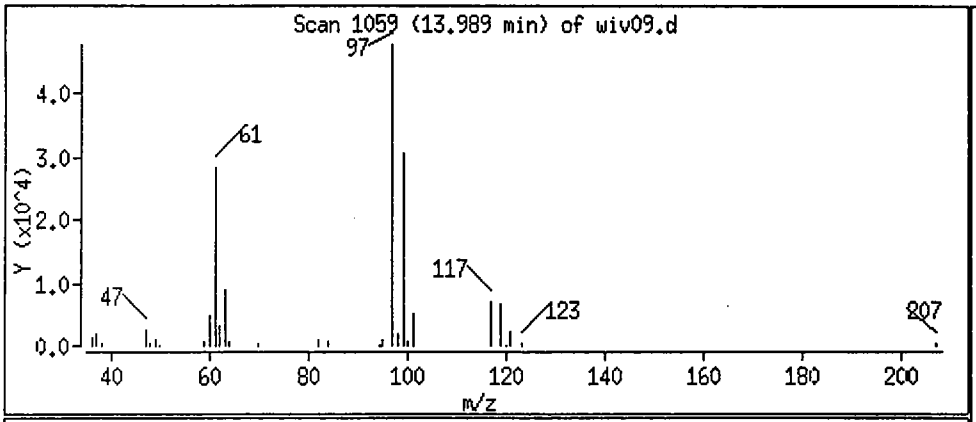
Sample Info: 9503G001-013 BXB409

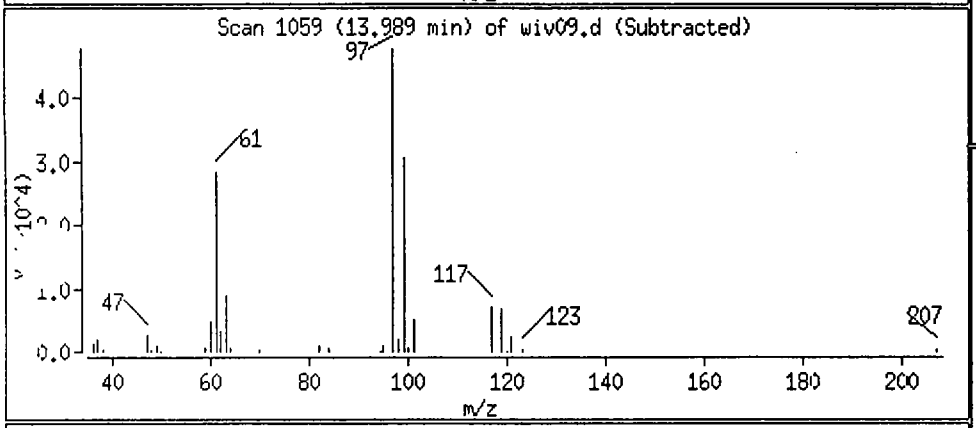
Operator: MANAGER MS

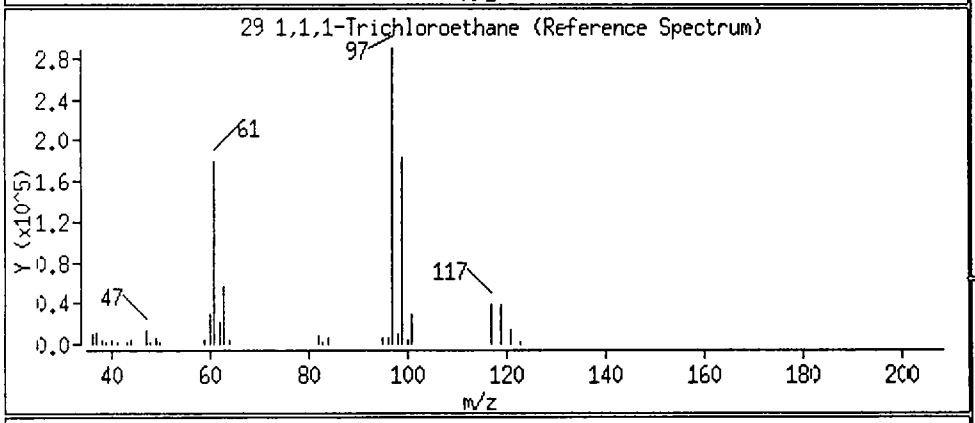
Column phase:

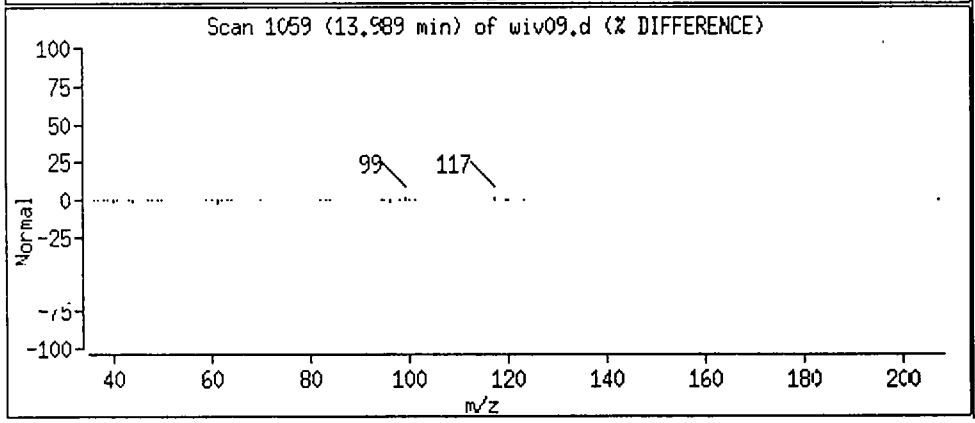
Column diameter: 2.00

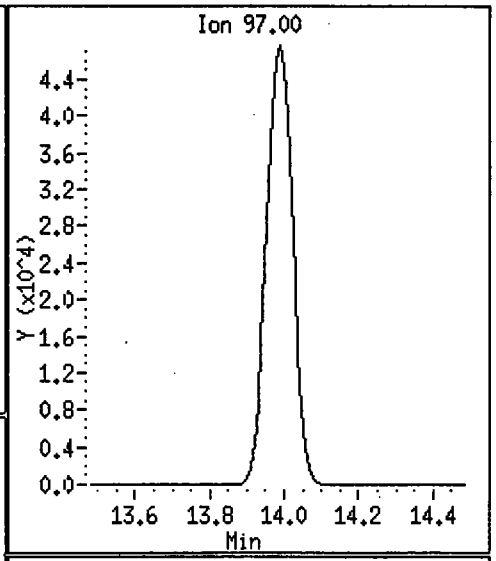
29 1,1,1-Trichloroethane

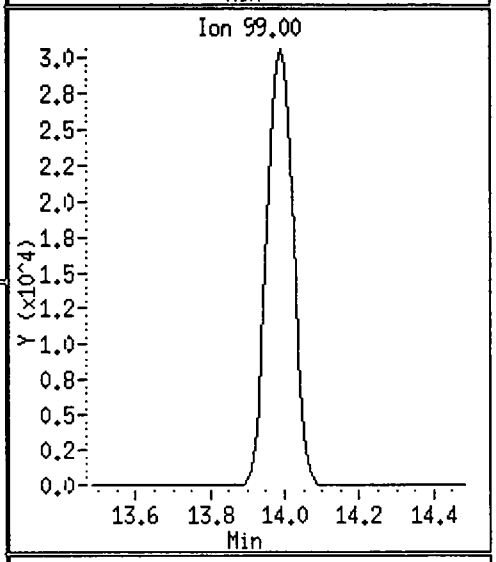


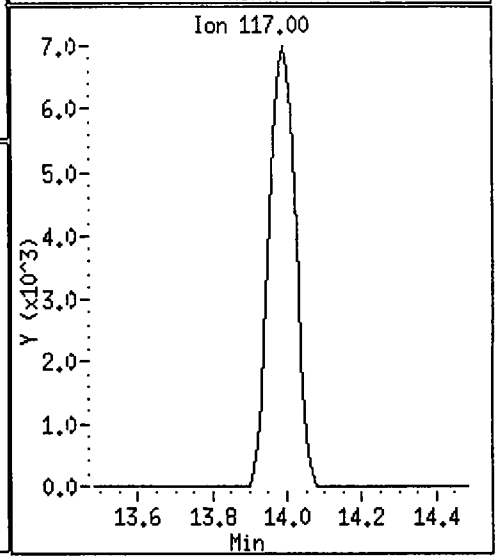












Data File: /chem/gcl2.i/950409.b/wiv09.d

Date : 10-APR-1995 03:54

Client ID:

Instrument: gcl2.i

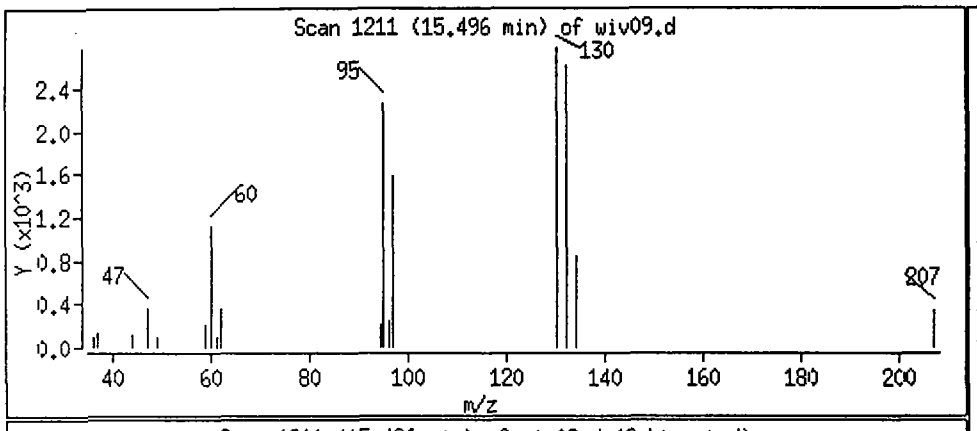
Sample Info: 9503G001-013 BXB409

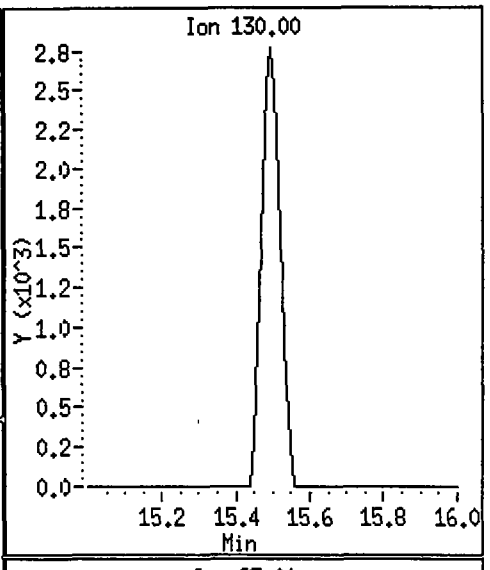
Operator: MANAGER MS

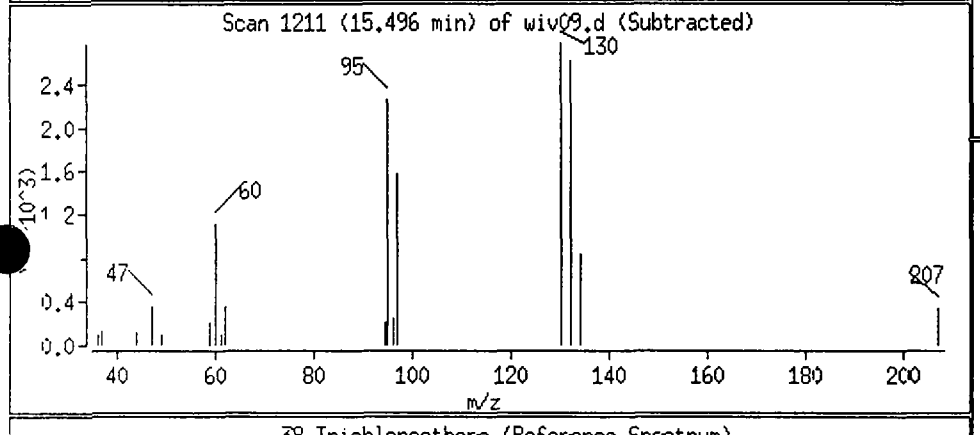
Column phase:

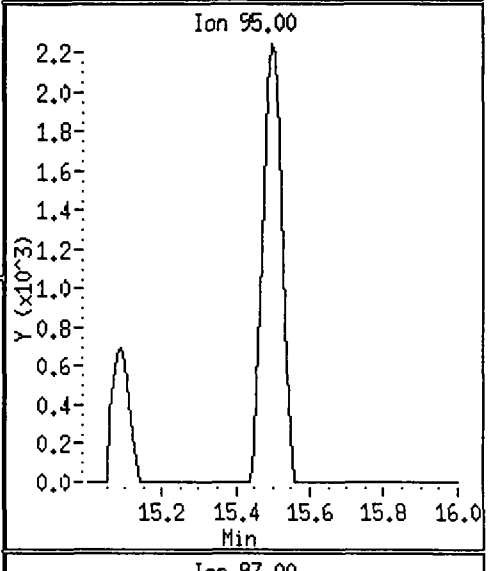
Column diameter: 2.00

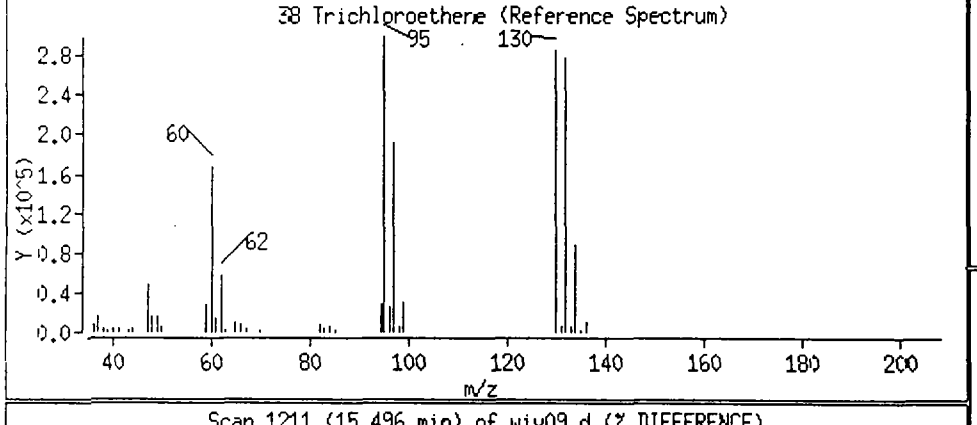
38 Trichloroethene

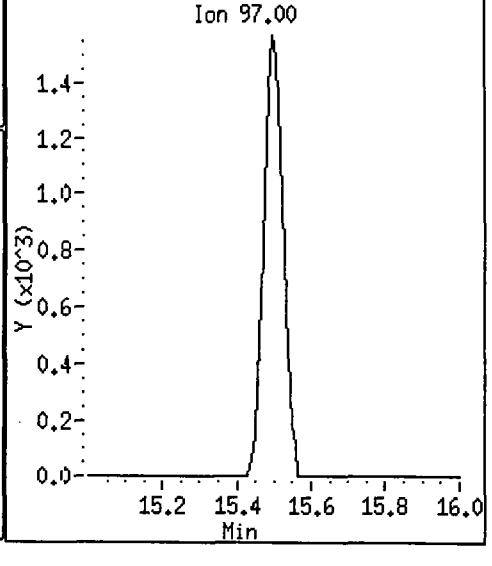


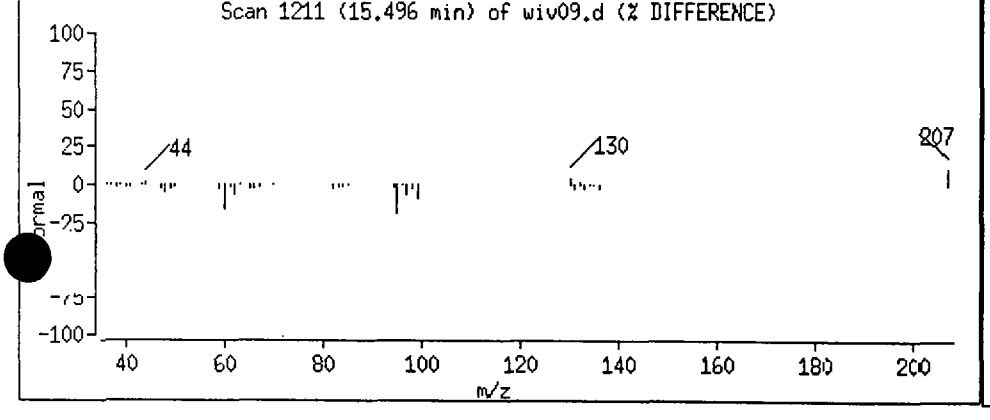












1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD-FB

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-015

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV19

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD-FB

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-015

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV19

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP11-GWD-FB

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-015

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV19

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

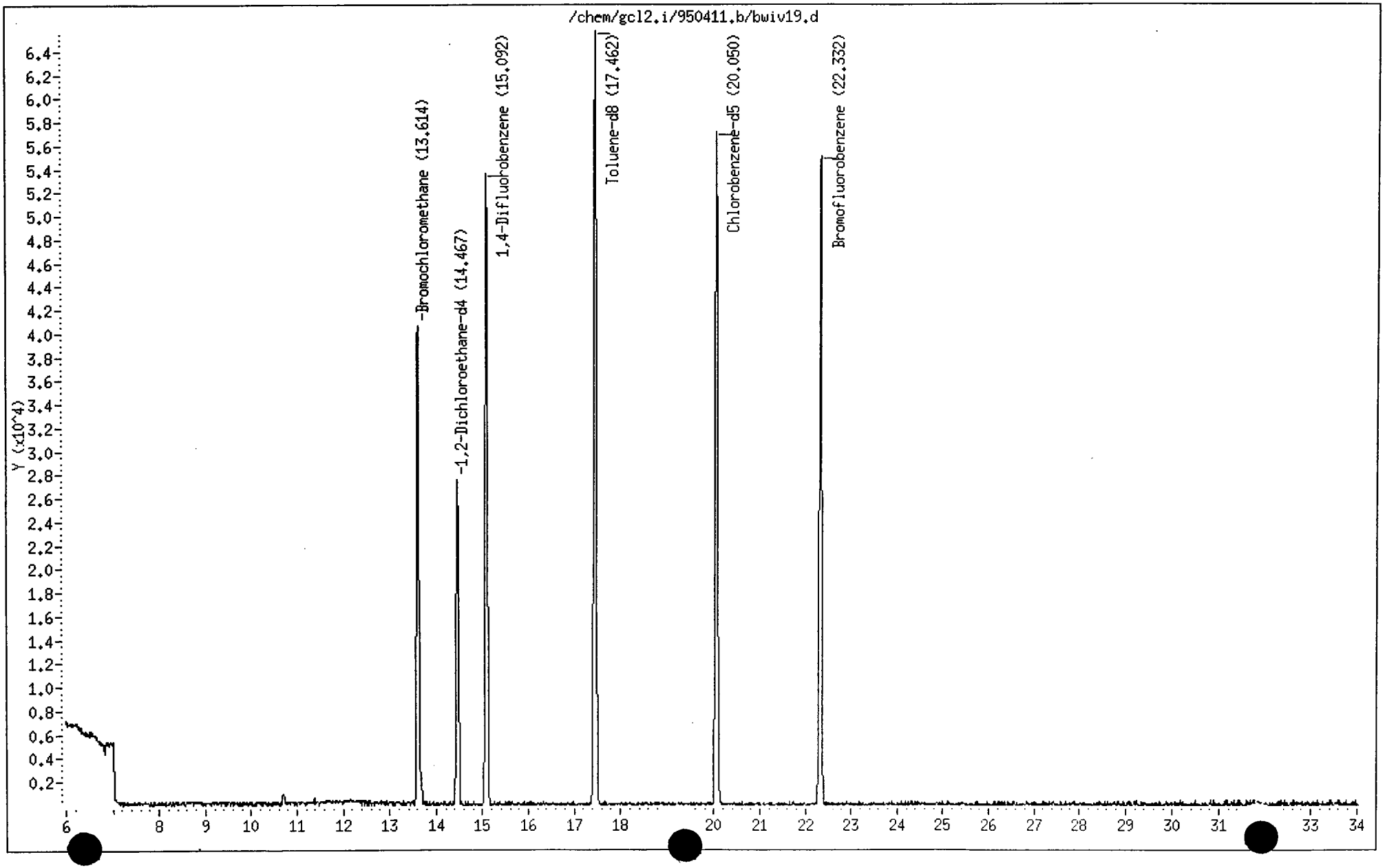
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 12/88 Rev.

Data File: /chem/gcl2.i/950411.b/bwiv19.d
Date : 11-APR-1995 13:05
Client ID:
Sample Info: 9503G001-015 BXA411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411.b/wiv19.d
Lab Smp Id:
Inj Date : 11-APR-1995 13:05
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-015 BXA411
Misc Info : GCL#2,DIL=1,5ML SMP + 5UL IS,SS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 27 Bromochloromethane	127.80	13.614	13.653	(1.000)	16698	50.00	
$ 33 1,2-Dichloroethane-d4	65.00	14.467	14.506	(1.063)	29413	58.18	11.64
* 36 1,4-Difluorobenzene	114.00	15.092	15.130	(1.000)	79151	50.00	
$ 46 Toluene-d8	98.00	17.452	17.511	(0.870)	83227	51.11	10.22
* 56 Chlorobenzene-d5	117.00	20.050	20.109	(1.000)	66502	50.00	
$ 64 Bromofluorobenzene	95.00	22.332	22.380	(1.114)	46053	55.47	11.09

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950411.b/wiv19.d
Lab Smp Id:
Inj Date : 11-APR-1995 13:05
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-015 BXA411
Misc Info : GCL#2,DIL=1,5ML SMP + 5UL IS,SS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD-FBRE

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-015

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV22

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWD-FBRE

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-015

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV22

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. _____ Date Analyzed: 04/12/95

Column: (pack/cap) PACK Dilution Factor: 1.0

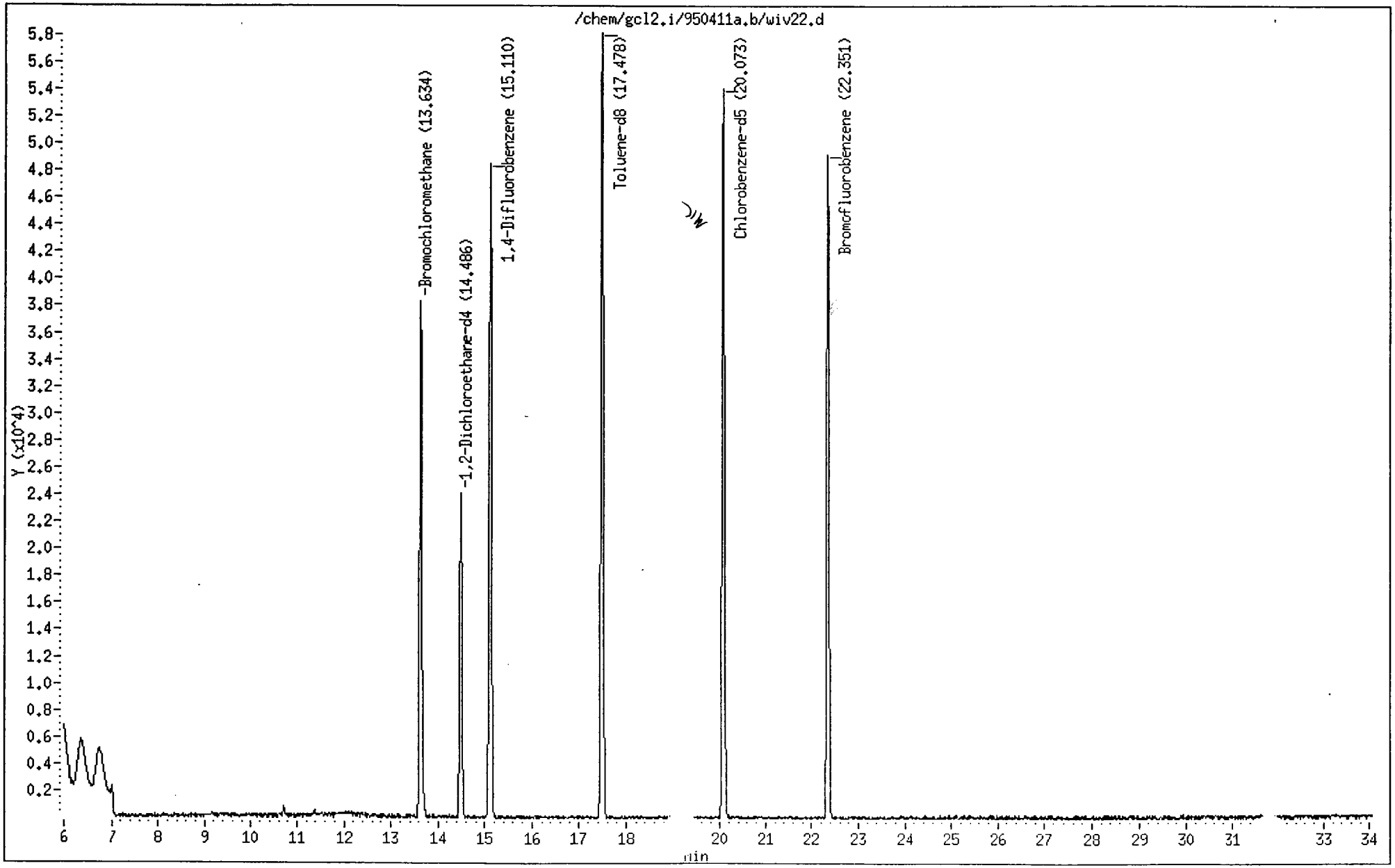
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

Data File: /chem/gcl2.i/950411a.b/wiv22.d
Date : 12-APR-1995 02:15
Client ID:
Sample Info: 9503G001-015 BXC411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/wiv22.d
Lab Smp Id:
Inj Date : 12-APR-1995 02:15
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-015 BXC411
Misc Info : GCL#2,DIL=1,5MLSMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 27 Bromochloromethane	127.80	13.634	13.627	(1.000)	15155	50.00	
$ 33 1,2-Dichloroethane-d4	65.00	14.486	14.480	(1.062)	25186	53.63	10.72
* 36 1,4-Difluorobenzene	114.00	15.110	15.104	(1.000)	72231	50.00	
$ 46 Toluene-d8	98.00	17.478	17.464	(0.871)	73184	49.63	9.92
* 56 Chlorobenzene-d5	117.00	20.073	20.041	(1.000)	62883	50.00	
$ 64 Bromofluorobenzene	95.00	22.351	22.321	(1.113)	41352	53.96	10.79

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950411a.b/wiv22.d
Lab Smp Id:
Inj Date : 12-APR-1995 02:15
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-015 BXC411
Misc Info : GCL#2,DIL=1,5MLSMP+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 7 Bromochloromethane	13.634	126947	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Carbon dioxide				CAS #: 124-38-9			
3.719	644997	254.0	50.81	3	NBS75K.l	62263	27
Carbon dioxide				CAS #: 124-38-9			
4.453	175678	69.19	13.84	3	NBS75K.l	62263	27
Carbon dioxide				CAS #: 124-38-9			
4.819	107983	42.53	8.51	3	NBS75K.l	62263	27
Carbon dioxide				CAS #: 124-38-9			
5.226	72853	28.69	5.74	3	NBS75K.l	34	27
Carbon dioxide				CAS #: 124-38-9			
5.582	51258	20.19	4.04	3	NBS75K.l	62263	27
Acetaldehyde				CAS #: 75-07-0			
5.959	52994	20.87	4.17	3	NBS75K.l	62264	27

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Acetaldehyde					CAS #: 75-07-0		
6.355	39204	15.44	3.09	3	NBS75K.1	62264	27
Acetaldehyde					CAS #: 75-07-0		
6.731	37648	14.83	2.96	3	NBS75K.1	62264	27

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWHV03

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 14 Date Analyzed: 04/05/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWHV03

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 14 Date Analyzed: 04/05/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	580	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	12	U
75-71-8	Dichlorodifluoromethane	23	U
75-05-8	Acetonitrile	120	U
74-88-4	Iodomethane	12	U
107-12-0	Propionitrile (Ethyl Cyanide)	58	U
107-05-1	3-Chloropropene	23	U
126-98-7	Methacrylonitrile	23	U
74-95-3	Dibromomethane	12	U
78-83-1	Isobutyl alcohol	2300	U
106-93-4	1,2-Dibromoethane	23	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
110-57-6	trans-1,4-Dichloro-2-butene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
126-99-8	2-Chloro-1,3-Butadiene	120	U
80-62-6	Methylmethacrylate	23	U
97-63-2	Ethylmethacrylate	23	U
76-01-7	Pentachloroethane	23	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP11-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWHV03

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 14 Date Analyzed: 04/05/95

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

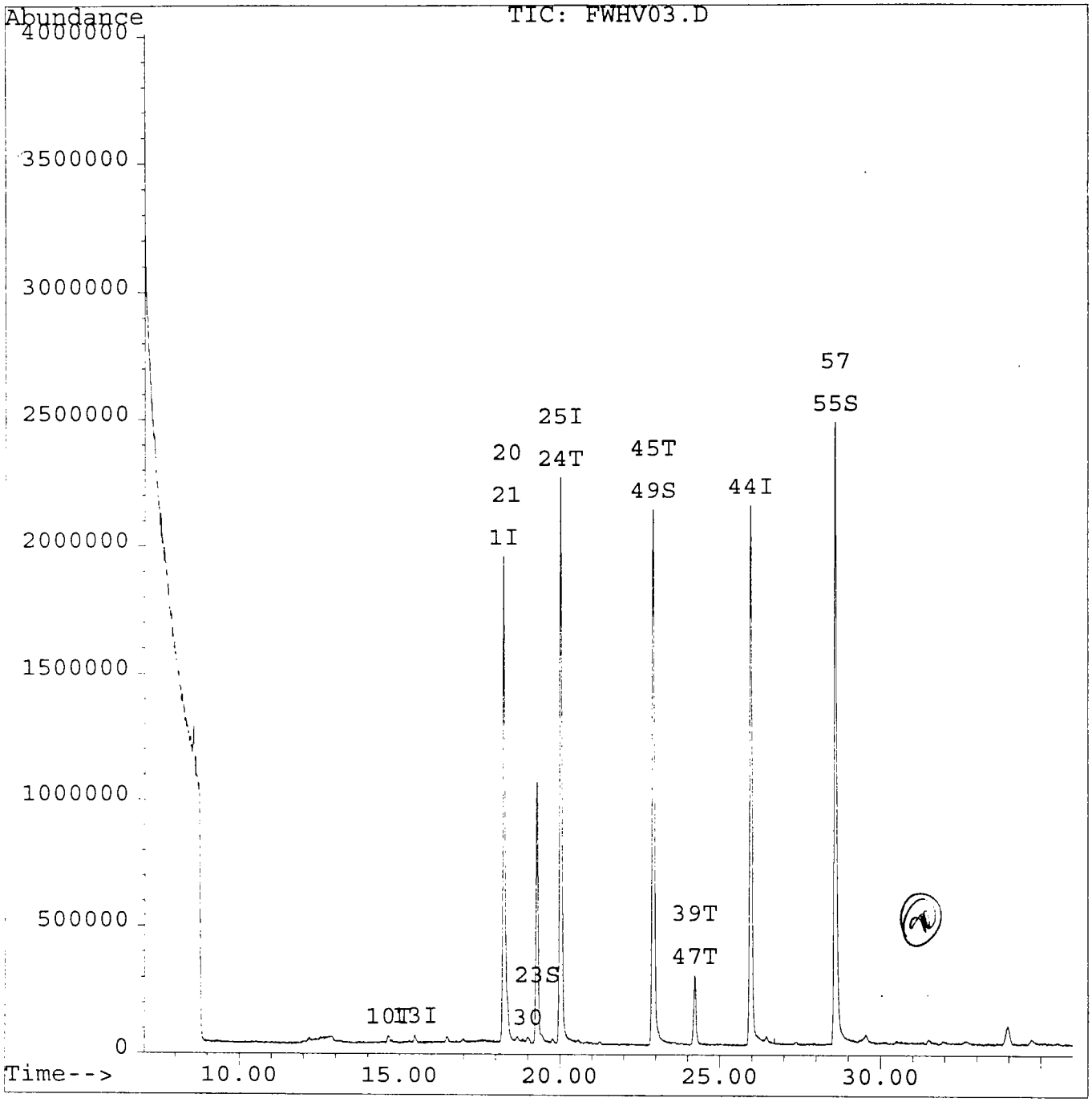
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FWHV03.D
Acq On : 5 Apr 95 7:20 pm
Sample : 9503G001-017 FNA405
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 5 19:57 1995

Vial: 6
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration



Quantitation Report

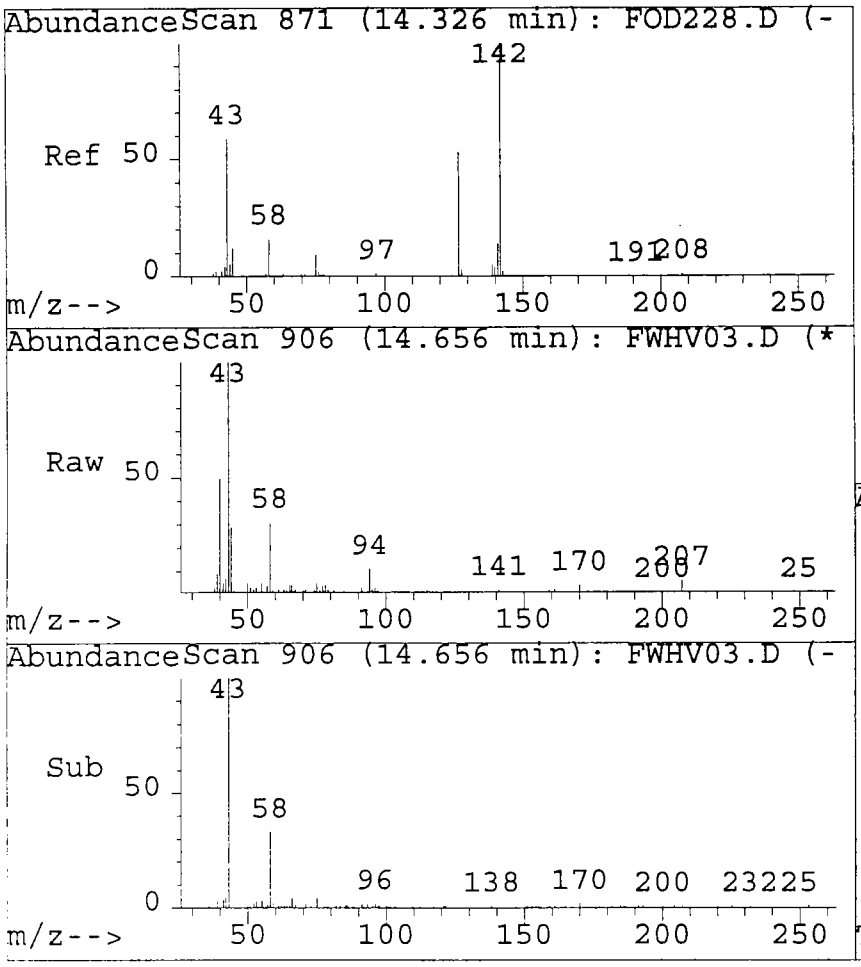
MOR

Data File : C:\HPCHEM\1\DATA\APR0595\FWHV03.D Vial: 6
Acq On : 5 Apr 95 7:20 pm Operator:
Sample : 9503G001-017 FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 5 19:57 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.26	128	1254009	50.00	ug/l		-0.12
25) 1,4-Difluorobenzene	20.02	114	4540064	50.00	ug/l		-0.12
44) Chlorobenzene-d5	25.96	117	3511930	50.00	ug/l		-0.11
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.27	65	1703612	58.19	ug/l		116.37%
49) Toluene-d8	22.92	98	3890161	49.76	ug/l		99.52%
55) Bromofluorobenzene	28.60	95	3018783	46.43	ug/l		92.87%
Target Compounds							Qvalue
10) Acetone	14.66	43	89725	17.06	ug/l		81
13) Methylene Chloride	15.48	84	27726	0.69	ug/l	#	15
20) Methacrylonitrile	18.37	41	86719	11.49	ug/l	#	54
21) 2-Butanone	18.34	43	12379	2.06	ug/l	#	63
24) 1,2-Dichloroethane	20.02	62	135311	3.69	ug/l	#	1
30) Isobutanol	19.00	43	9634	26.43	ug/l	#	24
39) Dibromochloromethane	24.22	129	133122	2.17	ug/l	#	10
45) 4-Methyl-2-Pentanone	22.92	43	10412	0.78	ug/l	#	1
47) Tetrachloroethene	24.22	164	189247	4.62	ug/l		98
57) 1,2,3-Trichloropropane	28.60	75	1346798	35.97	ug/l	#	51

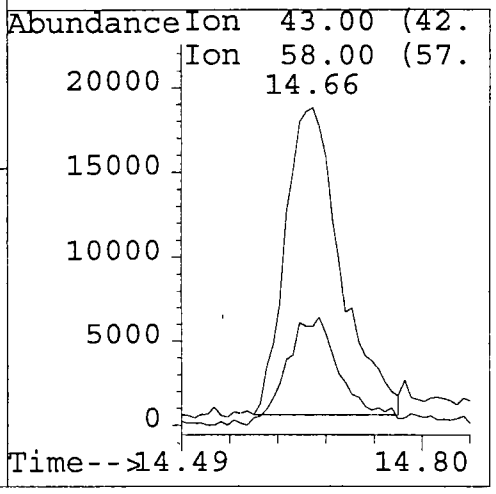
(#) = qualifier out of range (m) = manual integration

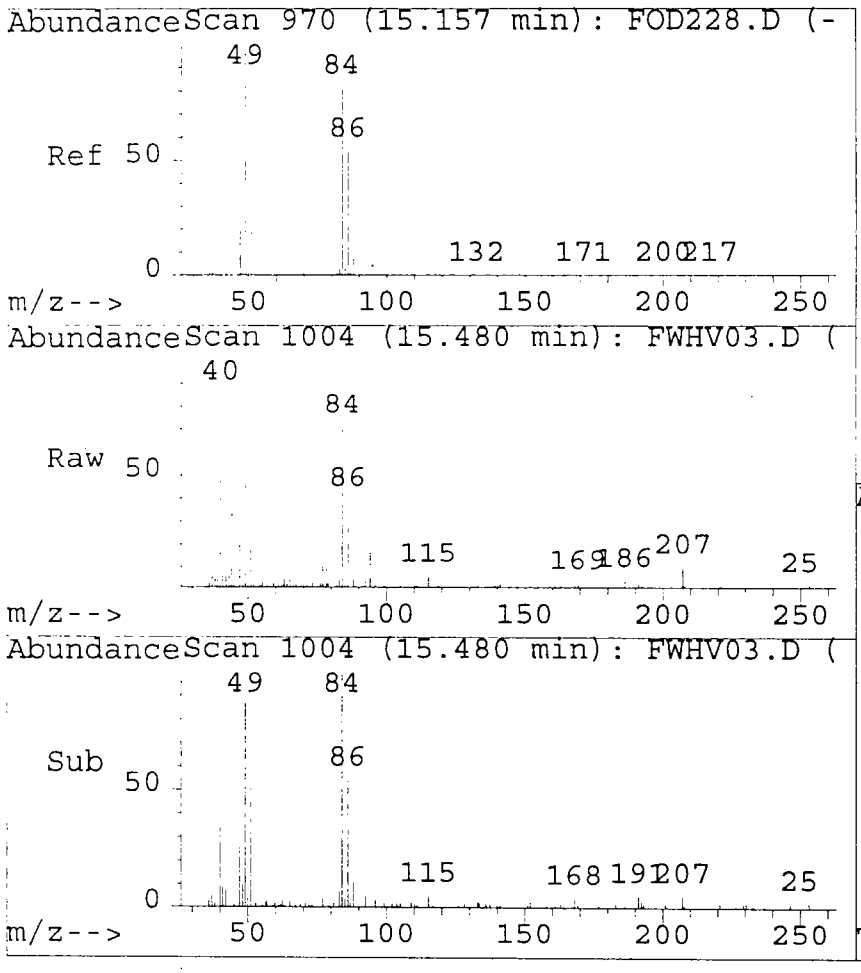


#10
Acetone
Concen: 17.06 ug/l
RT: 14.66 min Scan# 906
Delta R.T. -0.07 min
Lab File: FWHV03.D
Acq: 5 Apr 95 7:20 pm

Tgt Ion:43 Resp: 89725

Ion	Ratio	Lower	Upper
43	100		
58	17.9	8.0	48.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

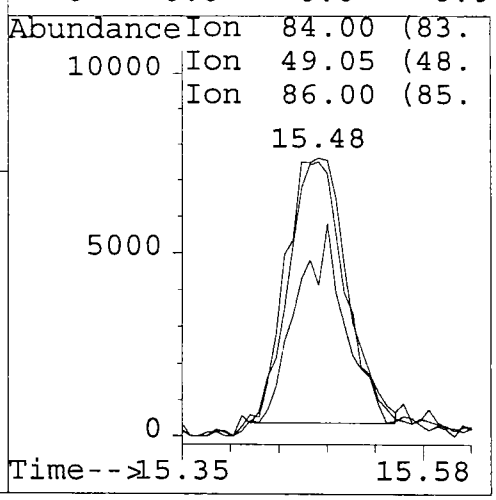


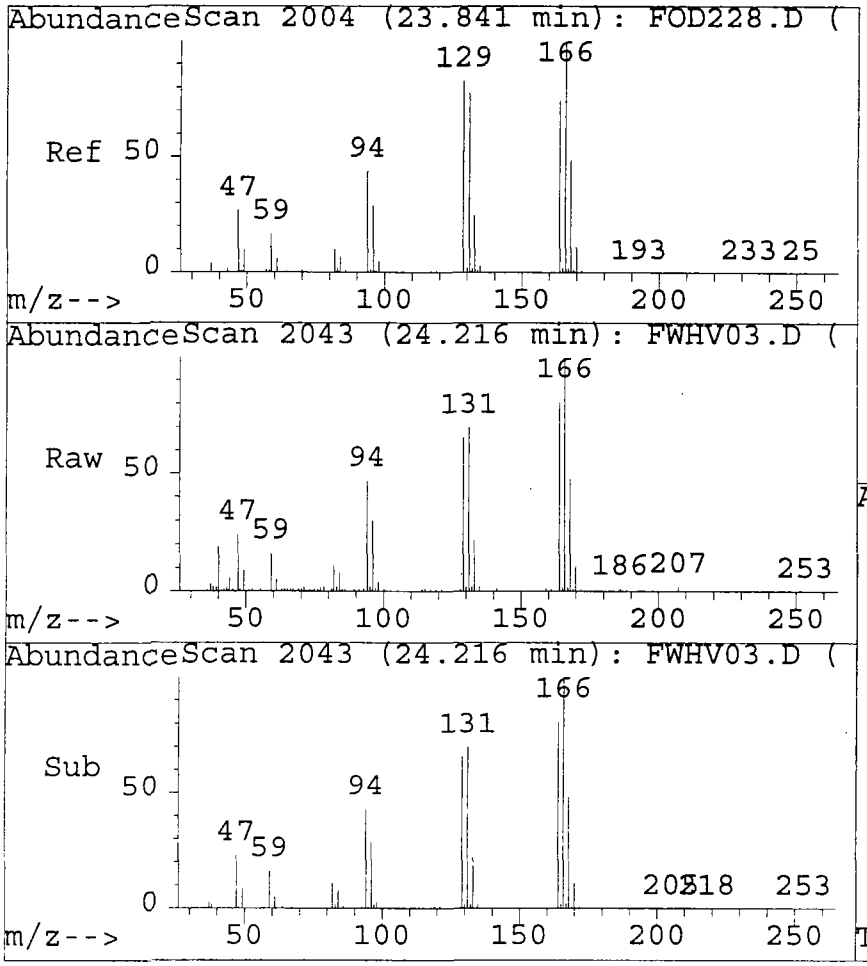


#13
Methylene Chloride
Concen: 0.69 ug/l
RT: 15.48 min Scan# 1004
Delta R.T. -0.10 min
Lab File: FWHV03.D
Acq: 5 Apr 95 7:20 pm

Tgt Ion:84 Resp: 27726

Ion	Ratio	Lower	Upper
84	100		
49	0.0	100.7	140.7#
86	31.7	48.1	88.1#
0	0.0	0.0	0.0

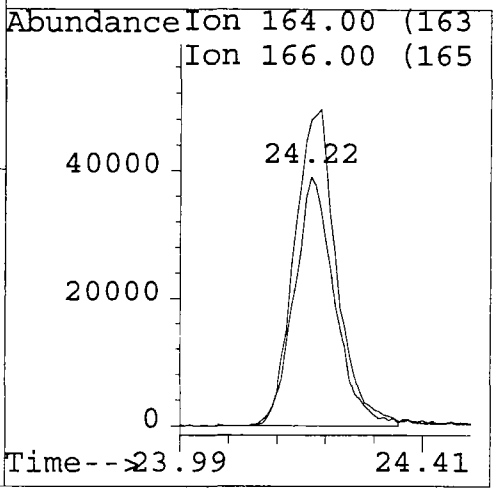


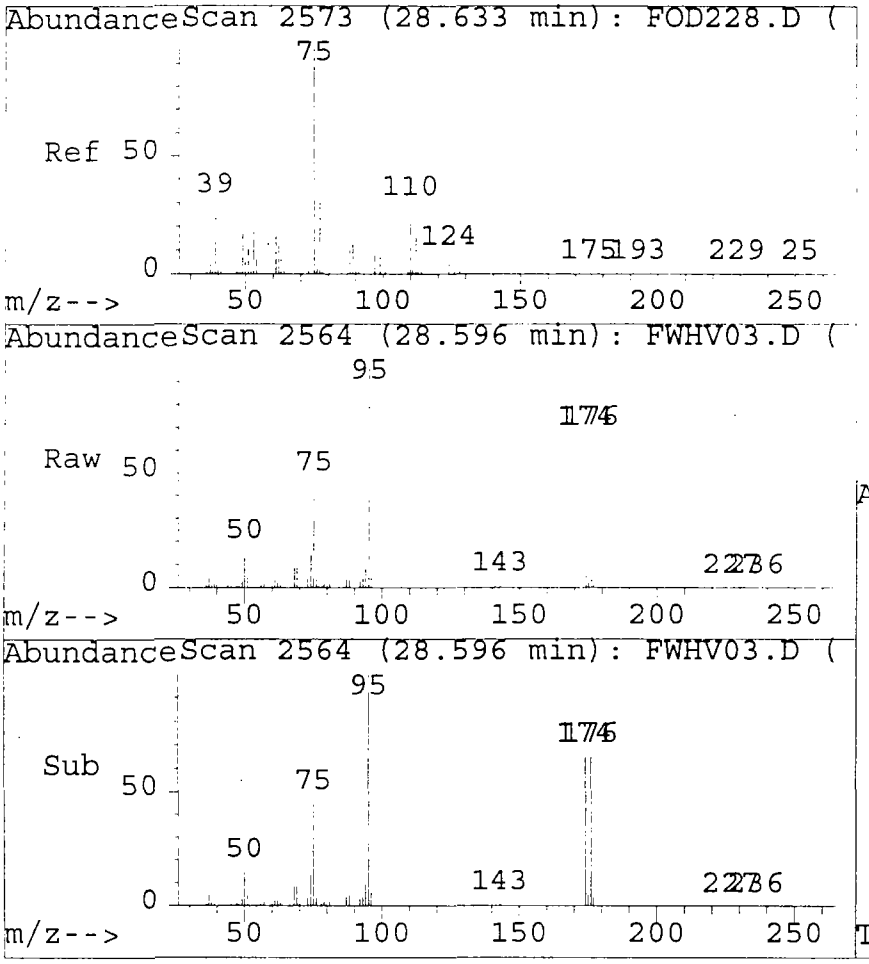


#47
Tetrachloroethene
Concen: 4.62 ug/l
RT: 24.22 min Scan# 2043
Delta R.T. -0.09 min
Lab File: FWHV03.D
Acq: 5 Apr 95 7:20 pm

Tgt Ion:164 Resp: 189247

Ion	Ratio	Lower	Upper
164	100		
166	133.3	111.1	151.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

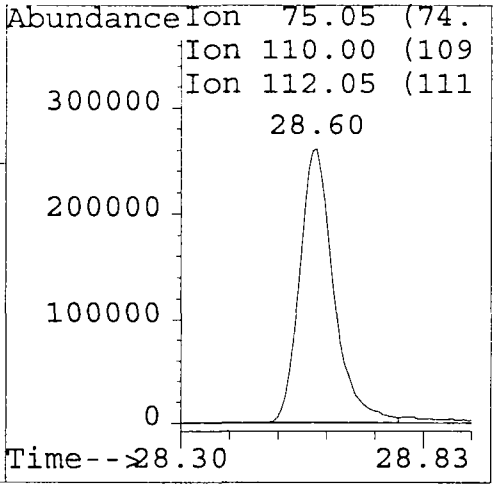




#57 (AU)
1,2,3-Trichloropropane
Concen: 35.97 ug/l
RT: 28.60 min Scan# 2564
Delta R.T. -0.49 min
Lab File: FWHV03.D
Acq: 5 Apr 95 7:20 pm

Tgt Ion:75.05 Resp: 1346798

Ion	Ratio	Lower	Upper
75	100		
110	0.0	22.8	34.2#
112	0.0	14.6	21.9#
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0595\FWHV03.D
Acq On : 5 Apr 95 7:20 pm
Sample : 9503G001-017 FNA405
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW

Vial: 6
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-018

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

Lab File ID: FWIV14

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 10

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-018

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV14

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 10 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
107-02-8	Acrolein	560	U
107-13-1	Acrylonitrile	110	U
75-69-4	Trichlorofluoromethane	11	U
75-71-8	Dichlorodifluoromethane	22	U
75-05-8	Acetonitrile	110	U
74-88-4	Iodomethane	11	U
107-12-0	Propionitrile (Ethyl Cyanide)	56	U
107-05-1	3-Chloropropene	22	U
126-98-7	Methacrylonitrile	22	U
74-95-3	Dibromomethane	11	U
78-83-1	Isobutyl alcohol	2200	U
106-93-4	1,2-Dibromoethane	22	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
110-57-6	trans-1,4-Dichloro-2-butene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
126-99-8	2-Chloro-1,3-Butadiene	110	U
80-62-6	Methylmethacrylate	22	U
97-63-2	Ethylmethacrylate	22	U
76-01-7	Pentachloroethane	22	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP11-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-018

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

Lab File ID: FWIV14

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 10

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

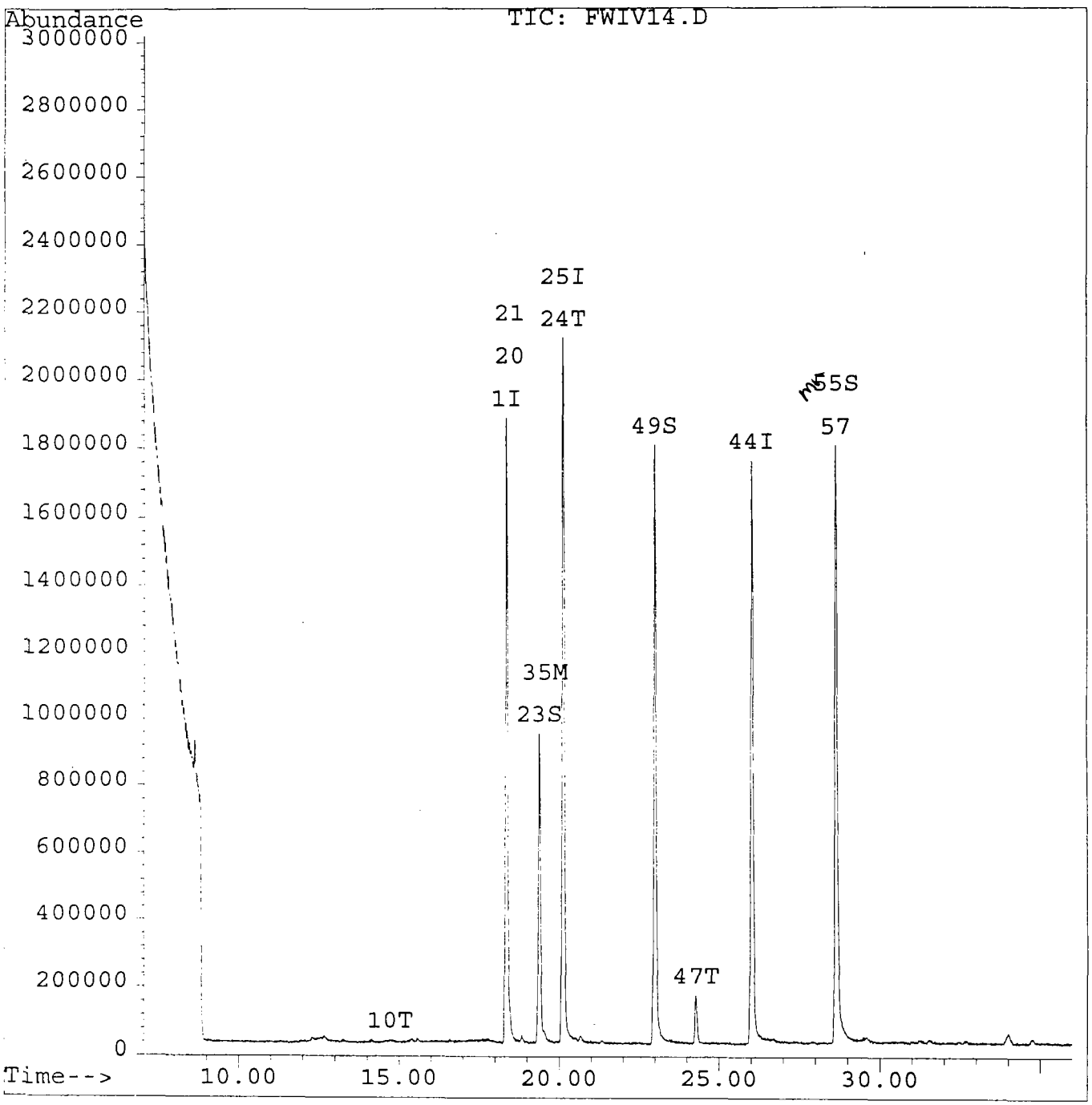
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV14.D
Acq On : 10 Apr 95 2:46 pm
Sample : 9503G001-018 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 10 15:22 1995

Vial: 16
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



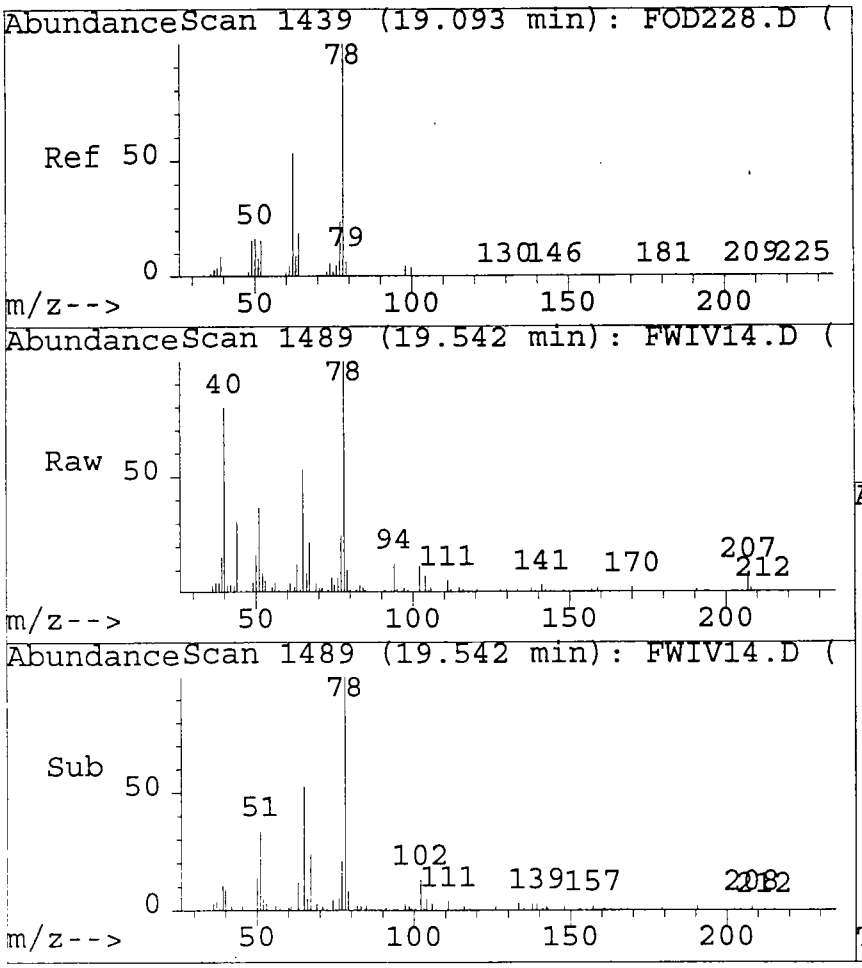
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV14.D Vial: 16
Acq On : 10 Apr 95 2:46 pm Operator:
Sample : 9503G001-018 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 15:22 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	18.35	128	1274833	50.00	ug/l	0.05
25) 1,4-Difluorobenzene	20.11	114	4359361	50.00	ug/l	0.03
44) Chlorobenzene-d5	26.02	117	2865056	50.00	ug/l	0.00
System Monitoring Compounds						%Recovery
23) 1,2-Dichloroethane-d4	19.37	65	1517821	47.45	ug/l	94.91%
49) Toluene-d8	22.99	98	3212457	51.43	ug/l	102.87%
55) Bromofluorobenzene	28.64	95	2157616	46.74	ug/l	93.48%
Target Compounds						Qvalue
10) Acetone	14.73	43	10486	1.06	ug/l #	47
20) Methacrylonitrile	18.46	41	15741	1.38	ug/l #	57
21) 2-Butanone	18.46	43	8558	0.63	ug/l #	1
24) 1,2-Dichloroethane	20.10	62	128330	3.29	ug/l #	1
35) Benzene	19.54	78	55849	0.75	ug/l	100
47) Tetrachloroethene	24.28	164	93254	2.49	ug/l	91
57) 1,2,3-Trichloropropane	28.63	75	962943	23.62	ug/l #	51

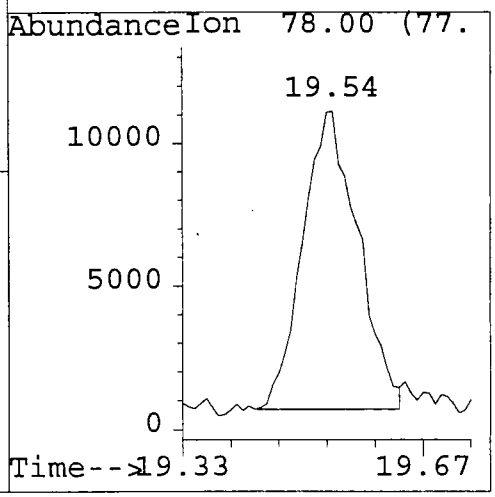
(#) = qualifier out of range (m) = manual integration

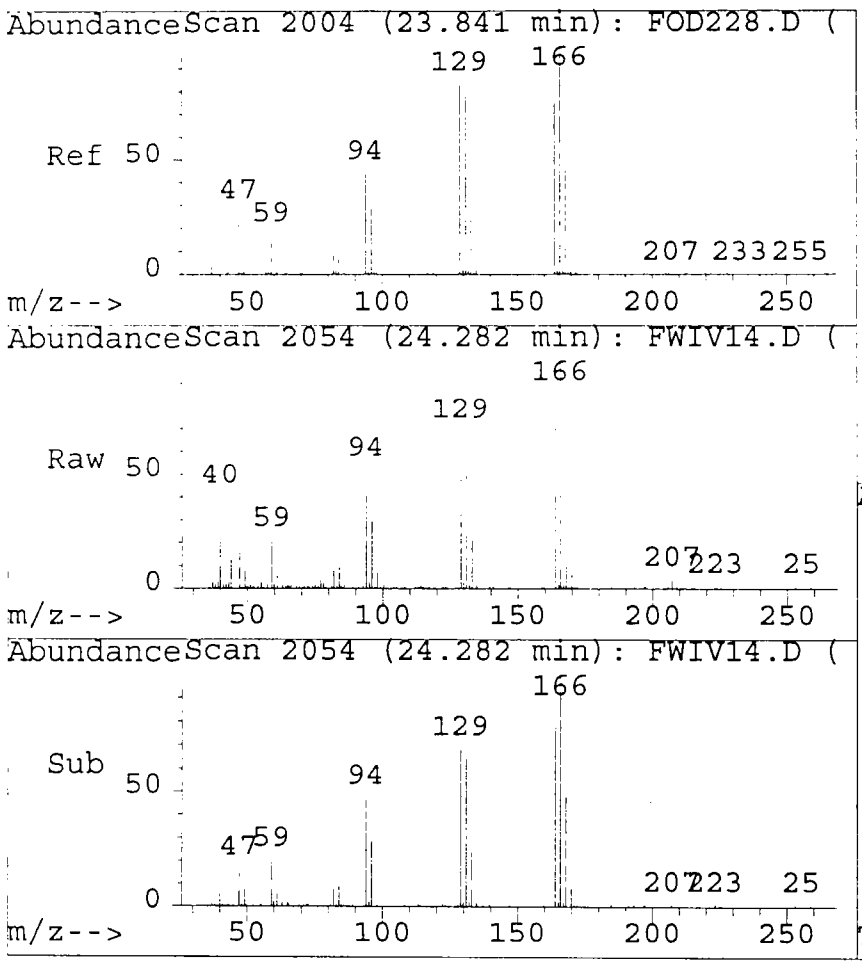


#35
Benzene
Concen: 0.75 ug/l
RT: 19.54 min Scan# 1489
Delta R.T. 0.07 min
Lab File: FWIV14.D
Acq: 10 Apr 95 2:46 pm

Tgt Ion:78 Resp: 55849

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

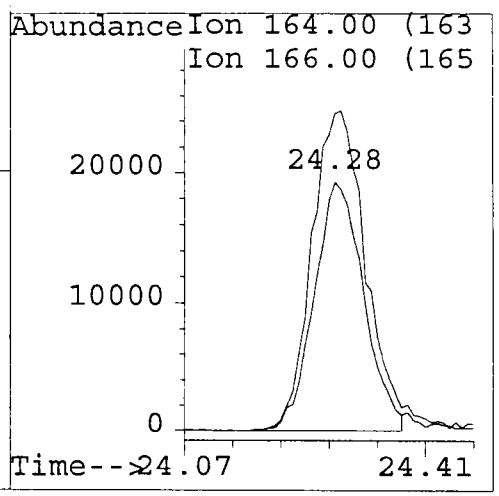




#47
Tetrachloroethene
Concen: 2.49 ug/l
RT: 24.28 min Scan# 2054
Delta R.T. 0.03 min
Lab File: FWIV14.D
Acq: 10 Apr 95 2:46 pm

Tgt Ion:164 Resp: 93254

Ion	Ratio	Lower	Upper
164	100		
166	141.4	111.1	151.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV14.D
Acq On : 10 Apr 95 2:46 pm
Sample : 9503G001-018 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW

Vial: 16
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-019

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV15

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 8 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-019

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

Lab File ID: FWIV15

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 8

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	540	U
107-13-1	Acrylonitrile	110	U
75-69-4	Trichlorofluoromethane	11	U
75-71-8	Dichlorodifluoromethane	22	U
75-05-8	Acetonitrile	110	U
74-88-4	Iodomethane	11	U
107-12-0	Propionitrile (Ethyl Cyanide)	54	U
107-05-1	3-Chloropropene	22	U
126-98-7	Methacrylonitrile	22	U
74-95-3	Dibromomethane	11	U
78-83-1	Isobutyl alcohol	2200	U
106-93-4	1,2-Dibromoethane	22	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
110-57-6	trans-1,4-Dichloro-2-butene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
126-99-8	2-Chloro-1,3-Butadiene	110	U
80-62-6	Methylmethacrylate	22	U
97-63-2	Ethylmethacrylate	22	U
76-01-7	Pentachloroethane	22	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP12-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-019

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

Lab File ID: FWIV15

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 8

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

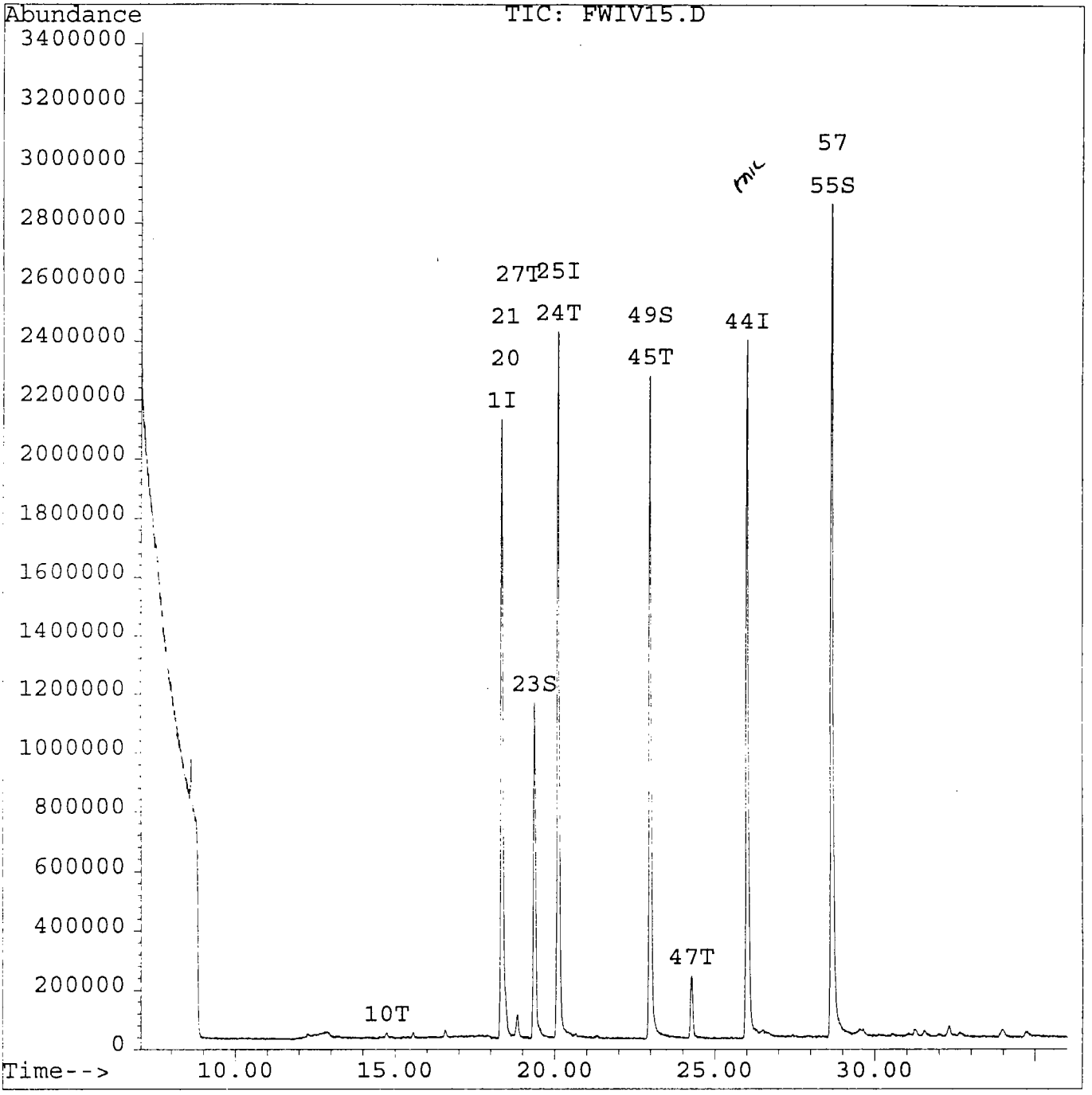
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV15.D
Acq On : 10 Apr 95 3:26 pm
Sample : 9503G001-019 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 10 16:03 1995

Vial: 1
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



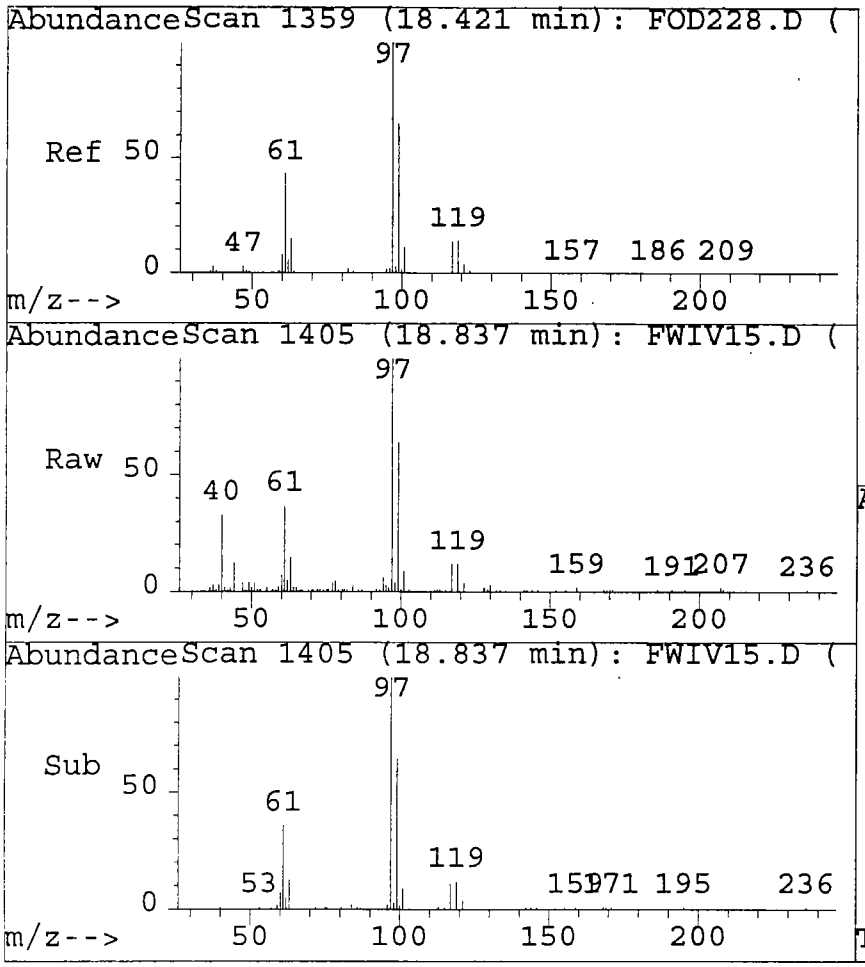
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV15.D Vial: 1
Acq On : 10 Apr 95 3:26 pm Operator:
Sample : 9503G001-019 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 16:03 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.35	128	1394918	50.00	ug/l		0.05
25) 1,4-Difluorobenzene	20.11	114	4950833	50.00	ug/l		0.04
44) Chlorobenzene-d5	26.02	117	3834827	50.00	ug/l		0.00
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.37	65	1814050	51.83	ug/l		103.67%
49) Toluene-d8	22.99	98	4130482	49.41	ug/l		98.82%
55) Bromofluorobenzene	28.66	95	3372691	54.59	ug/l		109.18%
Target Compounds							Qvalue
10) Acetone	14.75	43	58886	5.45	ug/l		85
20) Methacrylonitrile	18.46	41	59260	4.76	ug/l	#	42
21) 2-Butanone	18.46	43	17571	1.17	ug/l	#	1
24) 1,2-Dichloroethane	20.11	62	149716	3.51	ug/l	#	1
27) 1,1,1-Trichloroethane	18.84	97	144481	2.36	ug/l		94
45) 4-Methyl-2-Pentanone	22.98	43	18635	0.61	ug/l	#	1
47) Tetrachloroethene	24.28	164	144048	2.87	ug/l		98
52) 1,2,3-Trichloropropane	28.66	75	1493767	27.37	ug/l	#	51

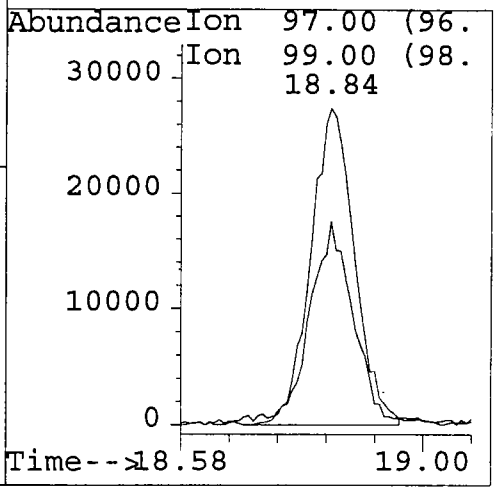
(#) = qualifier out of range (m) = manual integration

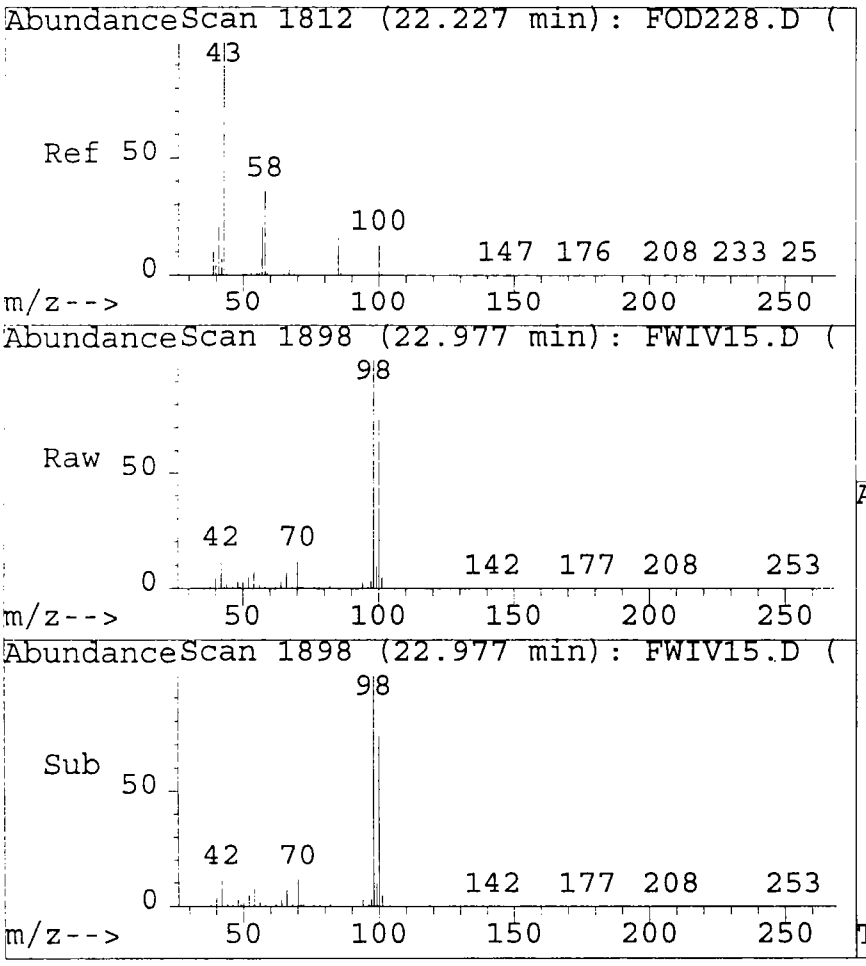


#27
1,1,1-Trichloroethane
Concen: 2.36 ug/l
RT: 18.84 min Scan# 1405
Delta R.T. 0.05 min
Lab File: FWIV15.D
Acq: 10 Apr 95 3:26 pm

Tgt Ion:97 Resp: 144481

Ion	Ratio	Lower	Upper
97	100		
99	59.4	43.9	83.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

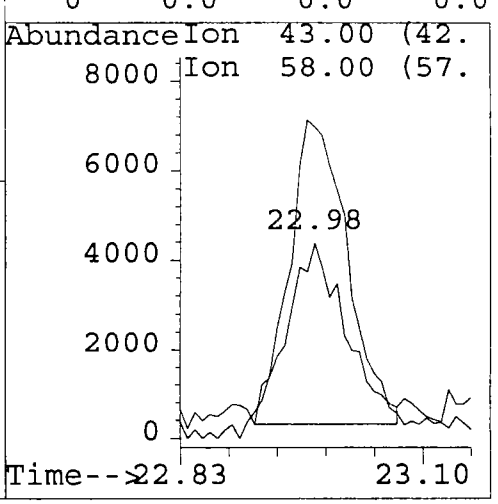


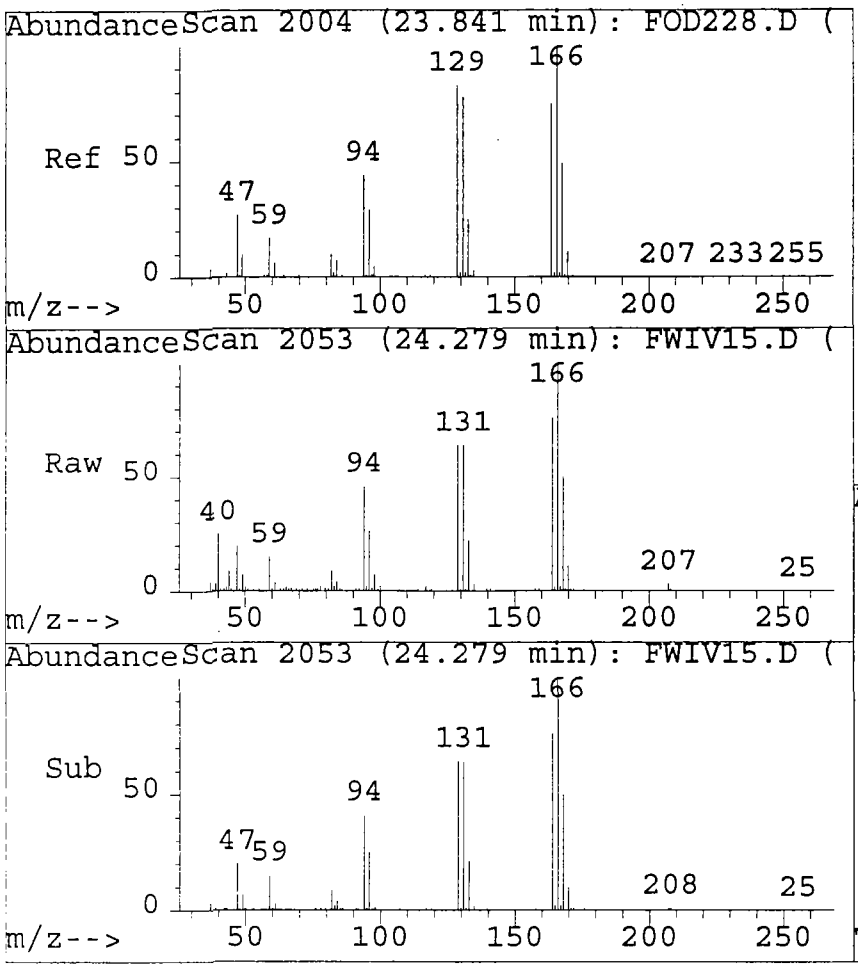


#45
4-Methyl-2-Pentanone
Concen: 0.61 ug/l
RT: 22.98 min Scan# 1898
Delta R.T. 0.35 min
Lab File: FWIV15.D
Acq: 10 Apr 95 3:26 pm

Tgt Ion:43 Resp: 18635

Ion	Ratio	Lower	Upper
43	100		
58	185.1	19.2	59.2#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

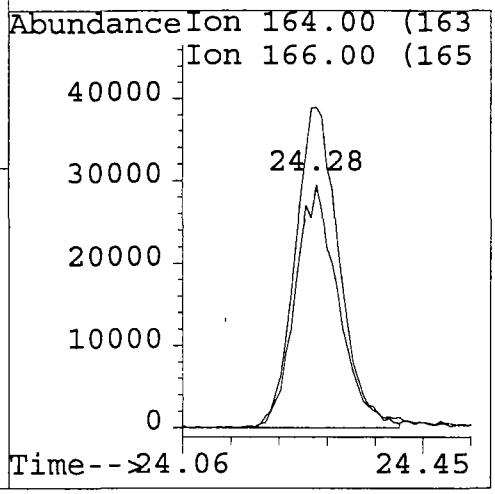


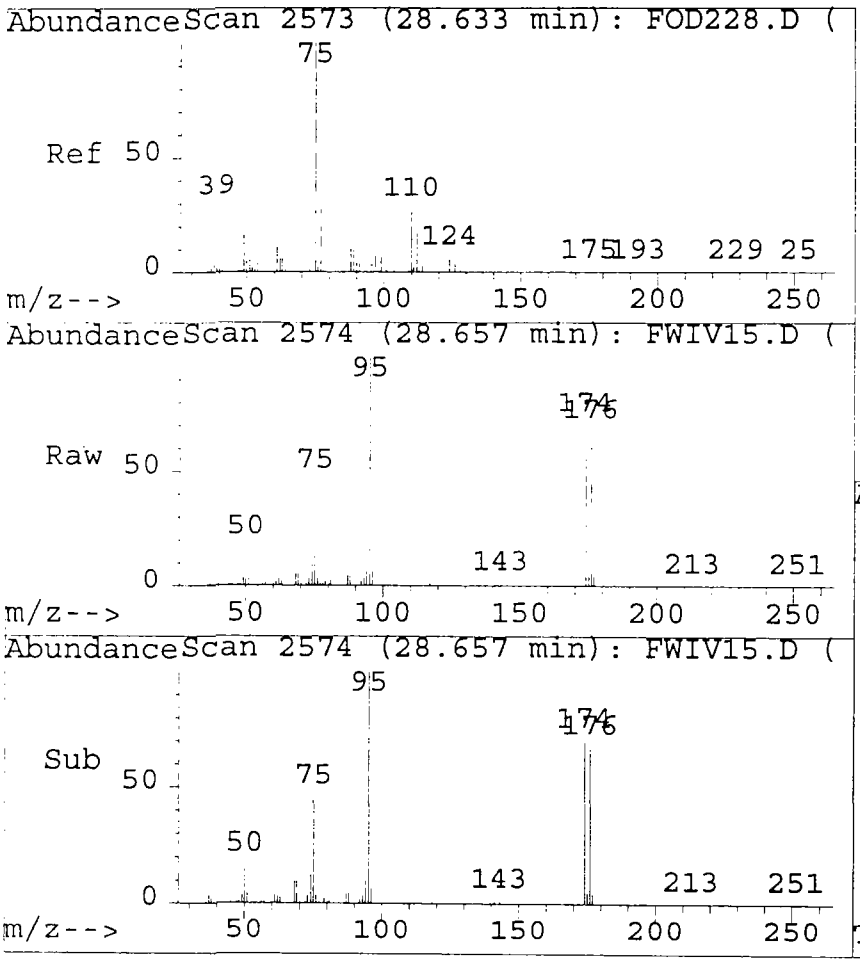


#47
Tetrachloroethene
Concen: 2.87 ug/l
RT: 24.28 min Scan# 2053
Delta R.T. 0.02 min
Lab File: FWIV15.D
Acq: 10 Apr 95 3:26 pm

Tgt Ion:164 Resp: 144048

Ion	Ratio	Lower	Upper
164	100		
166	132.9	111.1	151.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

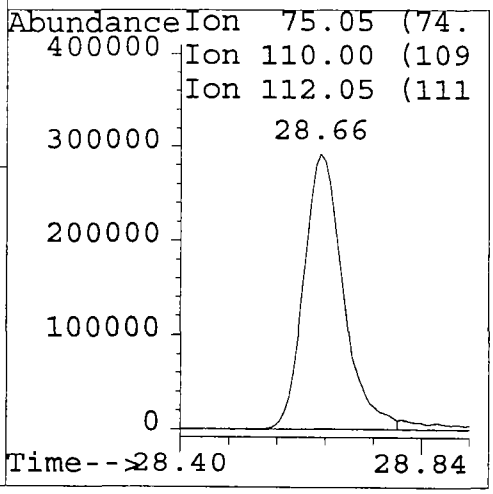




#57
1,2,3-Trichloropropane
Concen: 27.37 ug/l
RT: 28.66 min Scan# 2574
Delta R.T. -0.40 min
Lab File: FWIV15.D
Acq: 10 Apr 95 3:26 pm

Tgt Ion:75.05 Resp: 1493767

Ion	Ratio	Lower	Upper
75	100		
110	0.0	22.8	34.2#
112	0.0	14.6	21.9#
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV15.D
Acq On : 10 Apr 95 3:26 pm
Sample : 9503G001-019 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW

Vial: 1
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-020

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

Lab File ID: FWIV16

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

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

FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP12-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-020

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

Lab File ID: FWIV16

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	580	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	12	U
75-71-8	Dichlorodifluoromethane	23	U
75-05-8	Acetonitrile	120	U
74-88-4	Iodomethane	12	U
107-12-0	Propionitrile (Ethyl Cyanide)	58	U
107-05-1	3-Chloropropene	23	U
126-98-7	Methacrylonitrile	23	U
74-95-3	Dibromomethane	12	U
78-83-1	Isobutyl alcohol	2300	U
106-93-4	1,2-Dibromoethane	23	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
110-57-6	trans-1,4-Dichloro-2-butene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
126-99-8	2-Chloro-1,3-Butadiene	120	U
80-62-6	Methylmethacrylate	23	U
97-63-2	Ethylmethacrylate	23	U
76-01-7	Pentachloroethane	23	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP12-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-020

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

Lab File ID: FWIV16

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

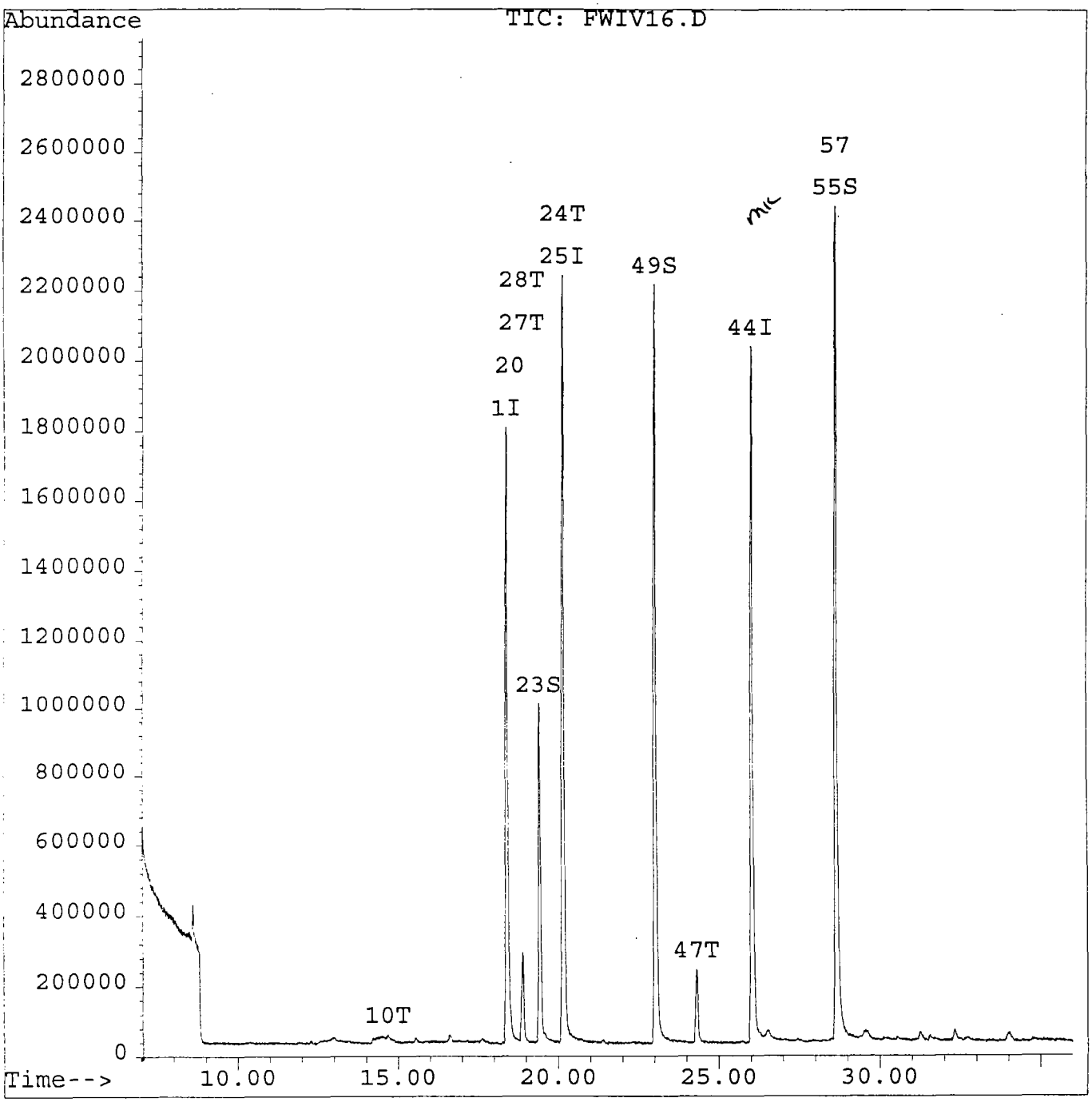
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV16.D
Acq On : 10 Apr 95 4:32 pm
Sample : 9503G001-020 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 10 17:09 1995

Vial: 3
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



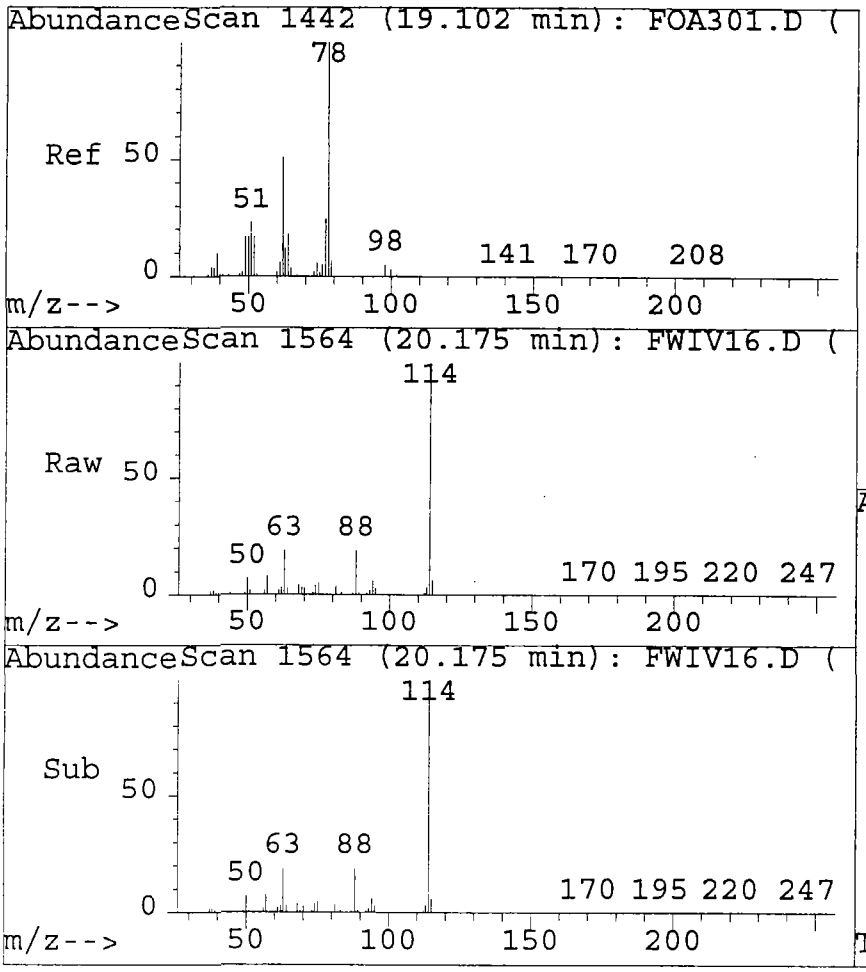
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV16.D Vial: 3
Acq On : 10 Apr 95 4:32 pm Operator:
Sample : 9503G001-020 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 17:09 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	18.41	128	1221666	50.00	ug/l	0.11
25) 1,4-Difluorobenzene	20.17	114	4649020	50.00	ug/l	0.09
44) Chlorobenzene-d5	26.05	117	3266617	50.00	ug/l	0.03
System Monitoring Compounds						%Recovery
23) 1,2-Dichloroethane-d4	19.43	65	1592501	51.96	ug/l	103.91%
49) Toluene-d8	23.03	98	3942276	55.36	ug/l	110.72%
55) Bromofluorobenzene	28.66	95	2919169	55.47	ug/l	110.93%
Target Compounds				4.33		Qvalue
~~10) Acetone~~	14.70	43	6988	~~0.74~~	ug/l #	47
~~20) Methacrylonitrile~~	18.53	41	14803	1.36	ug/l #	25
~~24) 1,2-Dichloroethane~~	20.17	62	143184	3.83	ug/l #	1
27) 1,1,1-Trichloroethane	18.89	97	464365	8.07	ug/l	99
~~28) Carbon Tetrachloride~~	18.90	117	58728	1.10	ug/l	98
47) Tetrachloroethene	24.32	164	141626	3.31	ug/l	99
~~57) 1,2,3-Trichloropropane~~	28.66	75	1272601	27.38	ug/l #	51

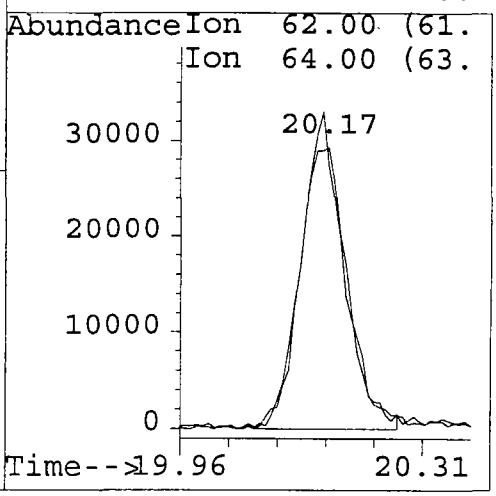
(#) = qualifier out of range (m) = manual integration

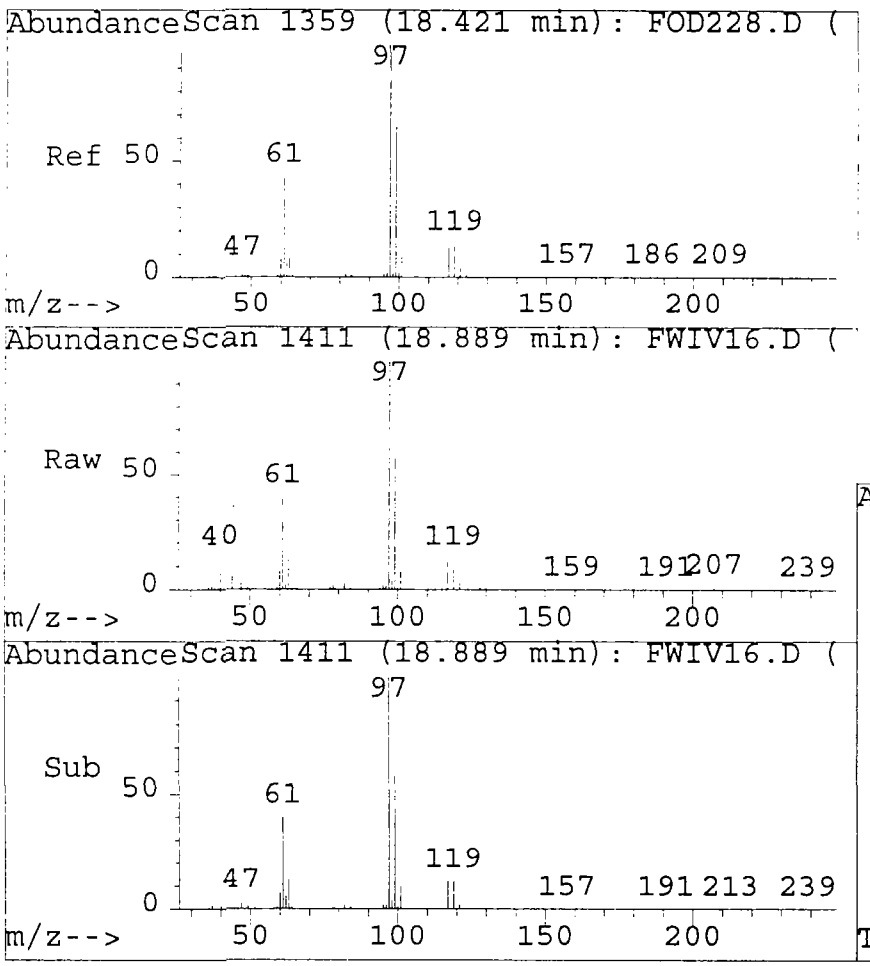


#24
1,2-Dichloroethane
Concen: 3.83 ug/l
RT: 20.17 min Scan# 1564
Delta R.T. 0.70 min
Lab File: FWIV16.D
Acq: 10 Apr 95 4:32 pm

Tgt Ion:62 Resp: 143184

Ion	Ratio	Lower	Upper
62	100		
64	97.9	13.5	53.5#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

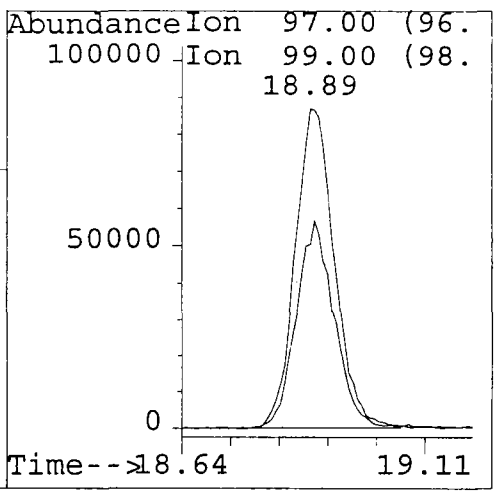


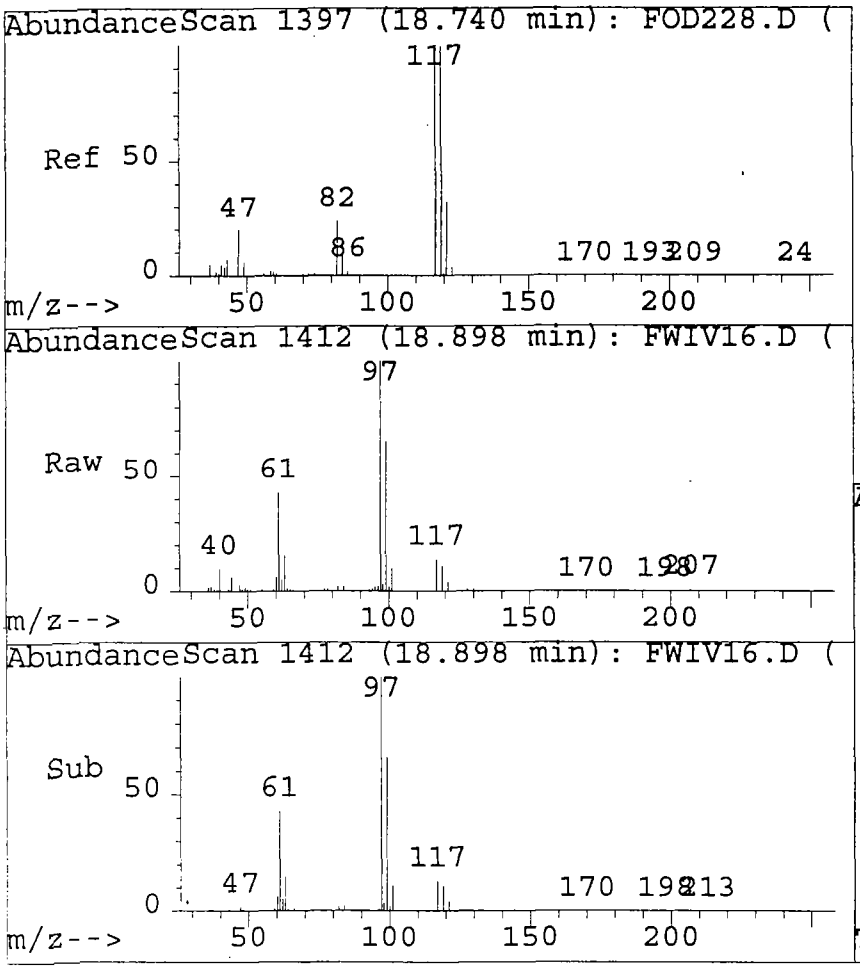


#27
1,1,1-Trichloroethane
Concen: 8.07 ug/l
RT: 18.89 min Scan# 1411
Delta R.T. 0.10 min
Lab File: FWIV16.D
Acq: 10 Apr 95 4:32 pm

Tgt Ion:97 Resp: 464365

Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.9	83.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

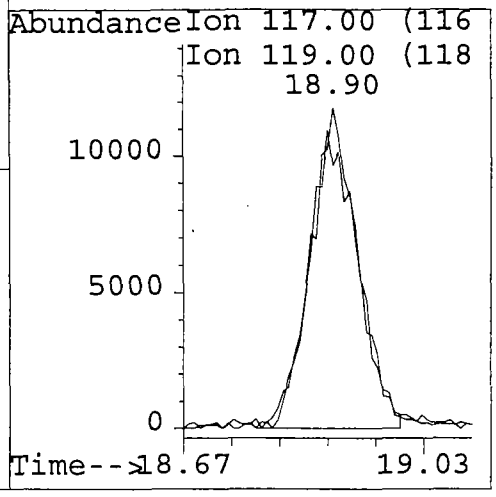


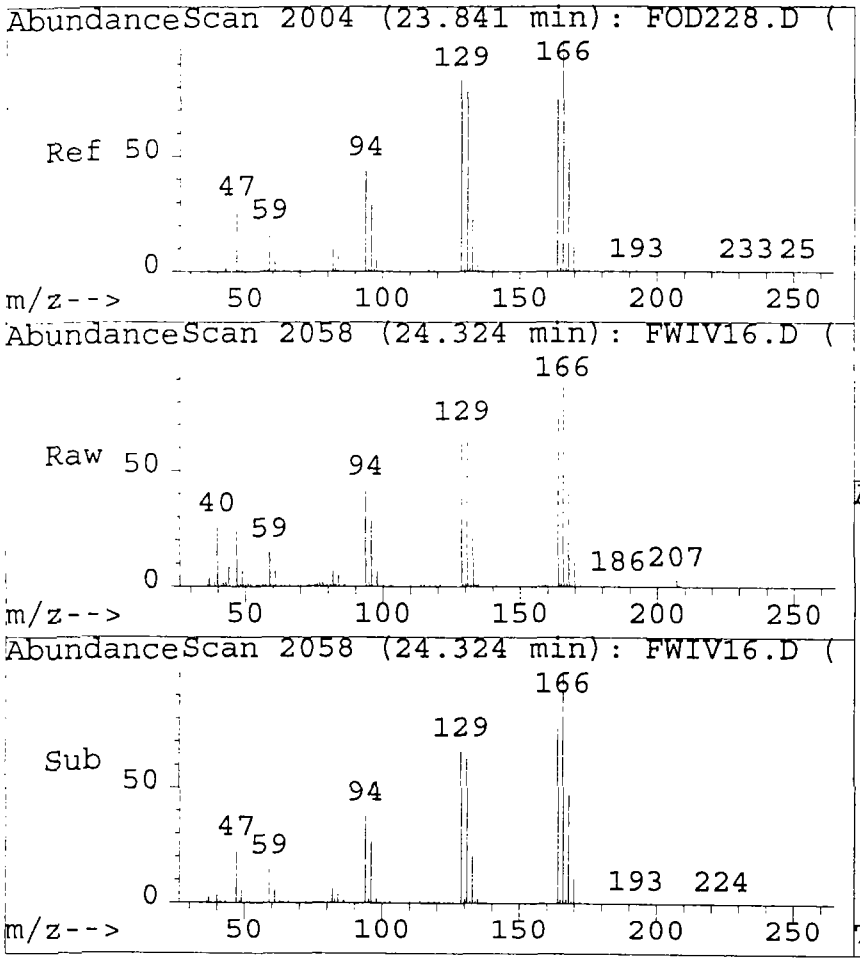


#28
Carbon Tetrachloride
Concen: 1.10 ug/l
RT: 18.90 min Scan# 1412
Delta R.T. -0.21 min
Lab File: FWIV16.D
Acq: 10 Apr 95 4:32 pm

Tgt Ion:117 Resp: 58728

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.0	115.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

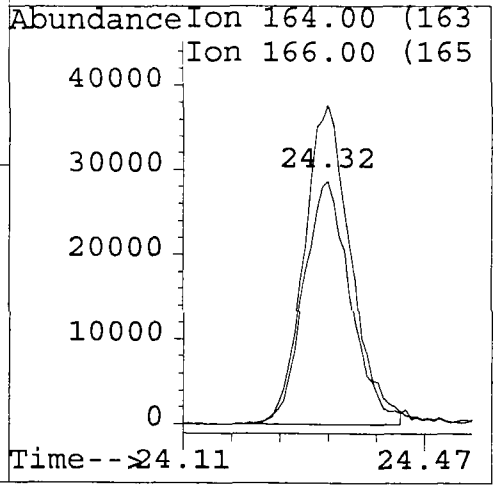




#47
Tetrachloroethene
Concen: 3.31 ug/l
RT: 24.32 min Scan# 2058
Delta R.T. 0.07 min
Lab File: FWIV16.D
Acq: 10 Apr 95 4:32 pm

Tgt Ion:164 Resp: 141626

Ion	Ratio	Lower	Upper
164	100		
166	132.3	111.1	151.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-021

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV10

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 12 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	29	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-021

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV10

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 12 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	570	U
107-13-1	Acrylonitrile	110	U
75-69-4	Trichlorofluoromethane	11	U
75-71-8	Dichlorodifluoromethane	23	U
75-05-8	Acetonitrile	110	U
74-88-4	Iodomethane	11	U
107-12-0	Propionitrile (Ethyl Cyanide)	57	U
107-05-1	3-Chloropropene	23	U
126-98-7	Methacrylonitrile	23	U
74-95-3	Dibromomethane	11	U
78-83-1	Isobutyl alcohol	2300	U
106-93-4	1,2-Dibromoethane	23	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
110-57-6	trans-1,4-Dichloro-2-butene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
126-99-8	2-Chloro-1,3-Butadiene	110	U
80-62-6	Methylmethacrylate	23	U
97-63-2	Ethylmethacrylate	23	U
76-01-7	Pentachloroethane	23	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP13-SBS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-021

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

Lab File ID: FWIV10

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 12

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

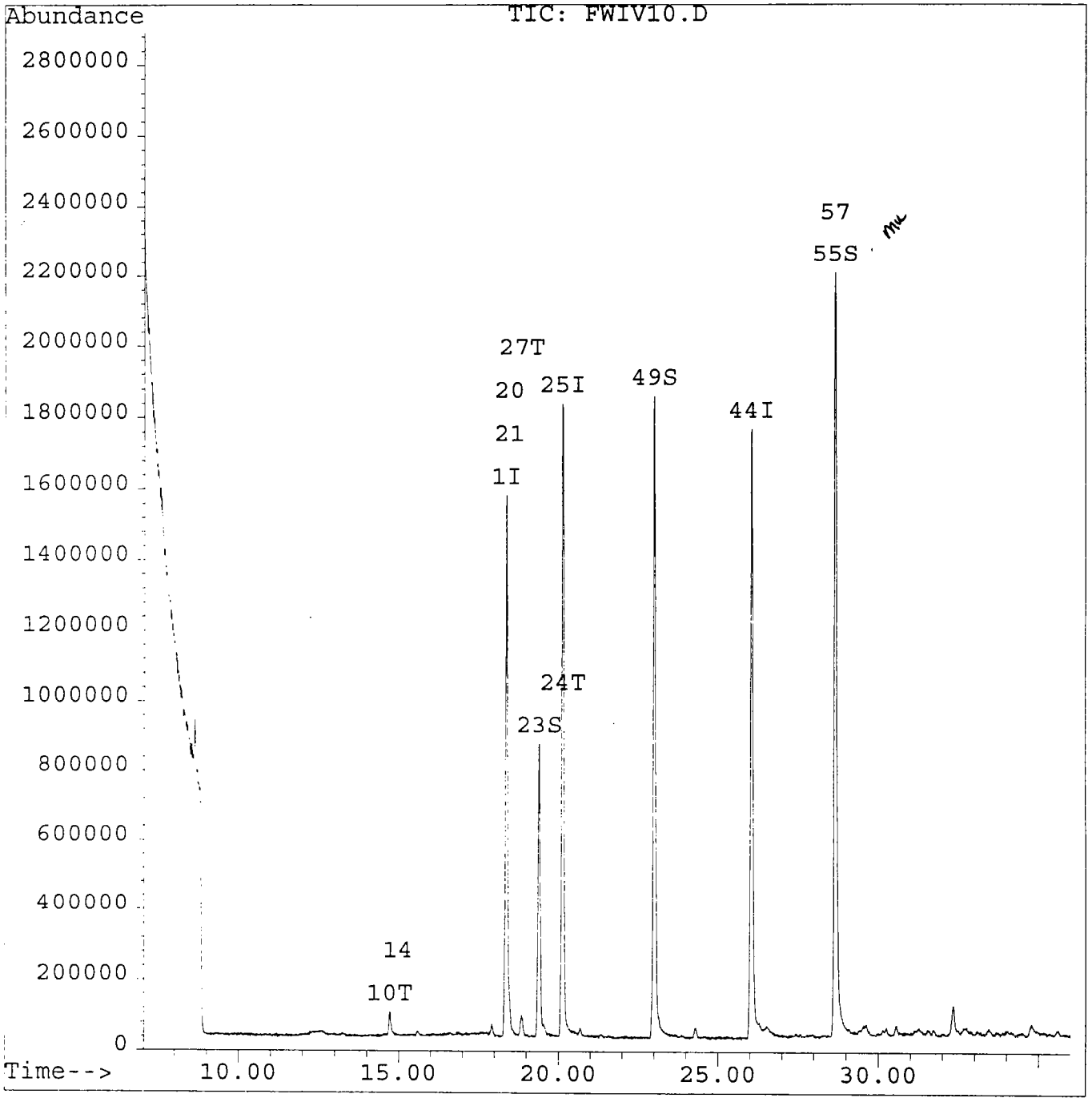
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV10.D
Acq On : 10 Apr 95 12:01 pm
Sample : 9503G001-021 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 10 12:37 1995

Vial: 12
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

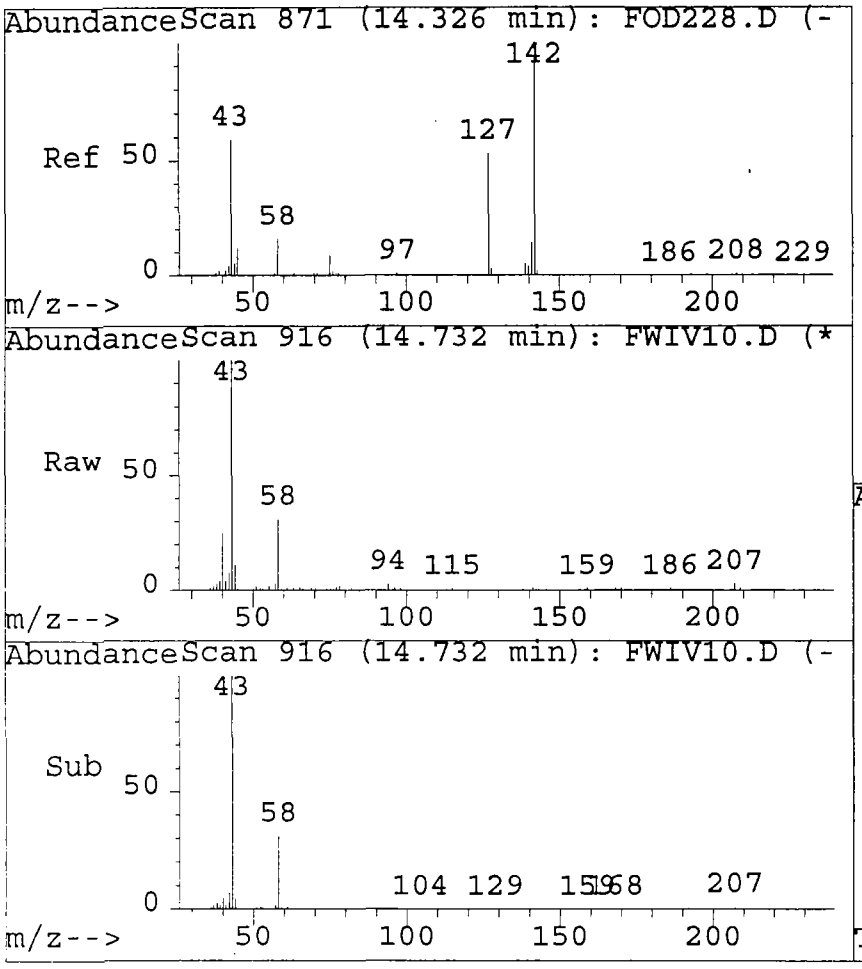
Data File : C:\HPCHEM\1\DATA\APR1095\FWIV10.D Vial: 12
Acq On : 10 Apr 95 12:01 pm Operator:
Sample : 9503G001-021 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 12:37 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

mk

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.36	128	1058054 ✓	50.00	ug/l		0.06
25) 1,4-Difluorobenzene	20.12	114	3846950 ✓	50.00	ug/l		0.04
44) Chlorobenzene-d5	26.04	117	2871429 ✓	50.00	ug/l		0.02
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.39	65	1384515	52.15	ug/l		104.31% ✓
49) Toluene-d8	23.00	98	3365779	53.77	ug/l		107.54% ✓
55) Bromofluorobenzene	28.66	95	2632796	56.91	ug/l		113.82% ✓
Target Compounds							Qvalue
10) Acetone b	14.73	43	209162	25.52	ug/l		89
14) 3-Chloropropene	14.98	76	6632	0.62	ug/l	#	1
20) Methacrylonitrile	18.47	41	25368	2.69	ug/l	#	25
21) 2-Butanone	18.46	43	7320	0.65	ug/l	#	1
24) 1,2-Dichloroethane	20.11	62	115369	3.57	ug/l	#	1
27) 1,1,1-Trichloroethane	18.84	97	64206	~~1.35~~	ug/l		2.29ug/l 84
57) 1,2,3-Trichloropropane	28.66	75	1137647	27.84	ug/l	#	51

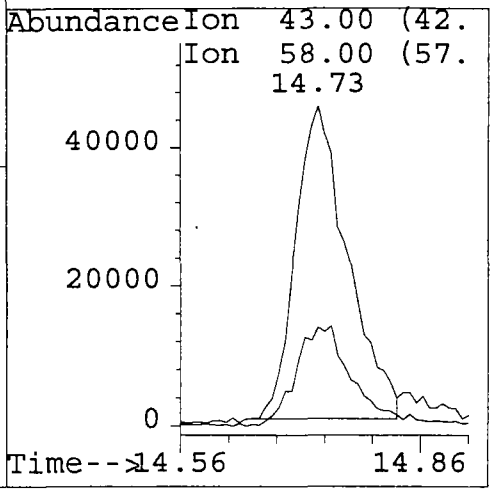
(#) = qualifier out of range (m) = manual integration

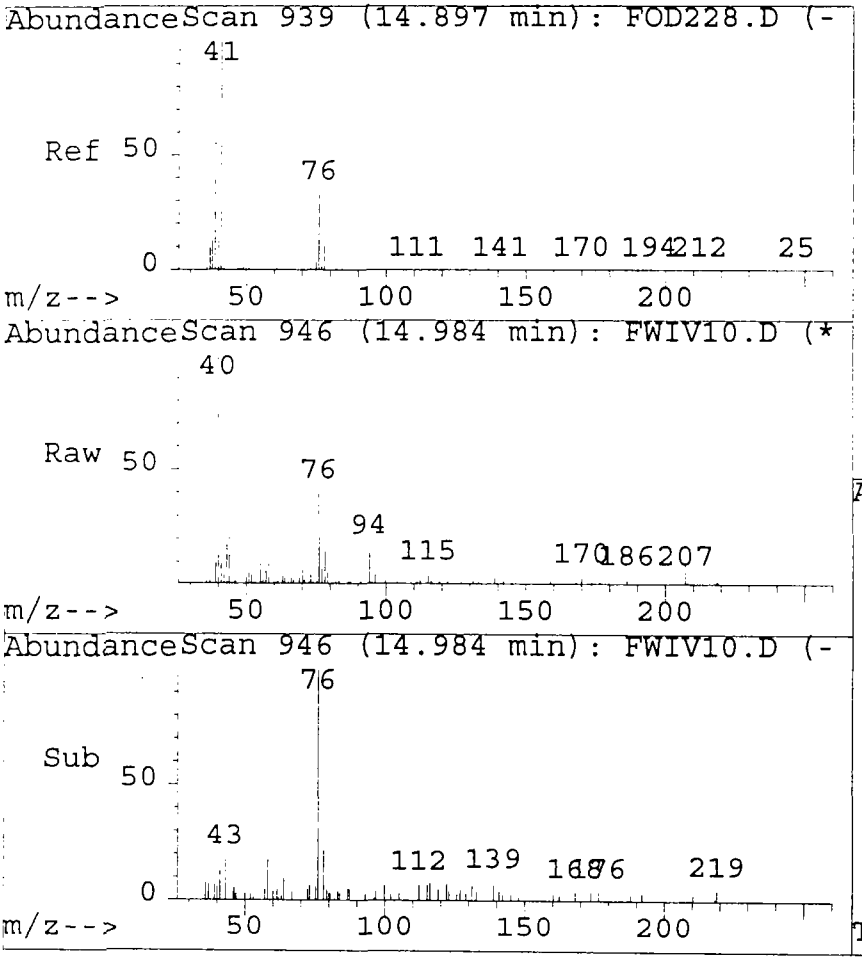


#10
Acetone
Concen: 25.52 ug/l
RT: 14.73 min Scan# 916
Delta R.T. 0.02 min
Lab File: FWIV10.D
Acq: 10 Apr 95 12:01 pm

Tgt Ion:43 Resp: 209162

Ion	Ratio	Lower	Upper
43	100		
58	33.6	8.0	48.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

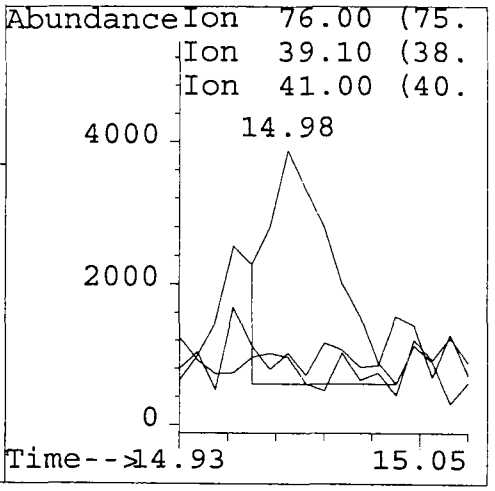




#14
3-Chloropropene
Concen: 0.62 ug/l
RT: 14.98 min Scan# 946
Delta R.T. -0.29 min
Lab File: FWIV10.D
Acq: 10 Apr 95 12:01 pm

Tgt Ion:76 Resp: 6632

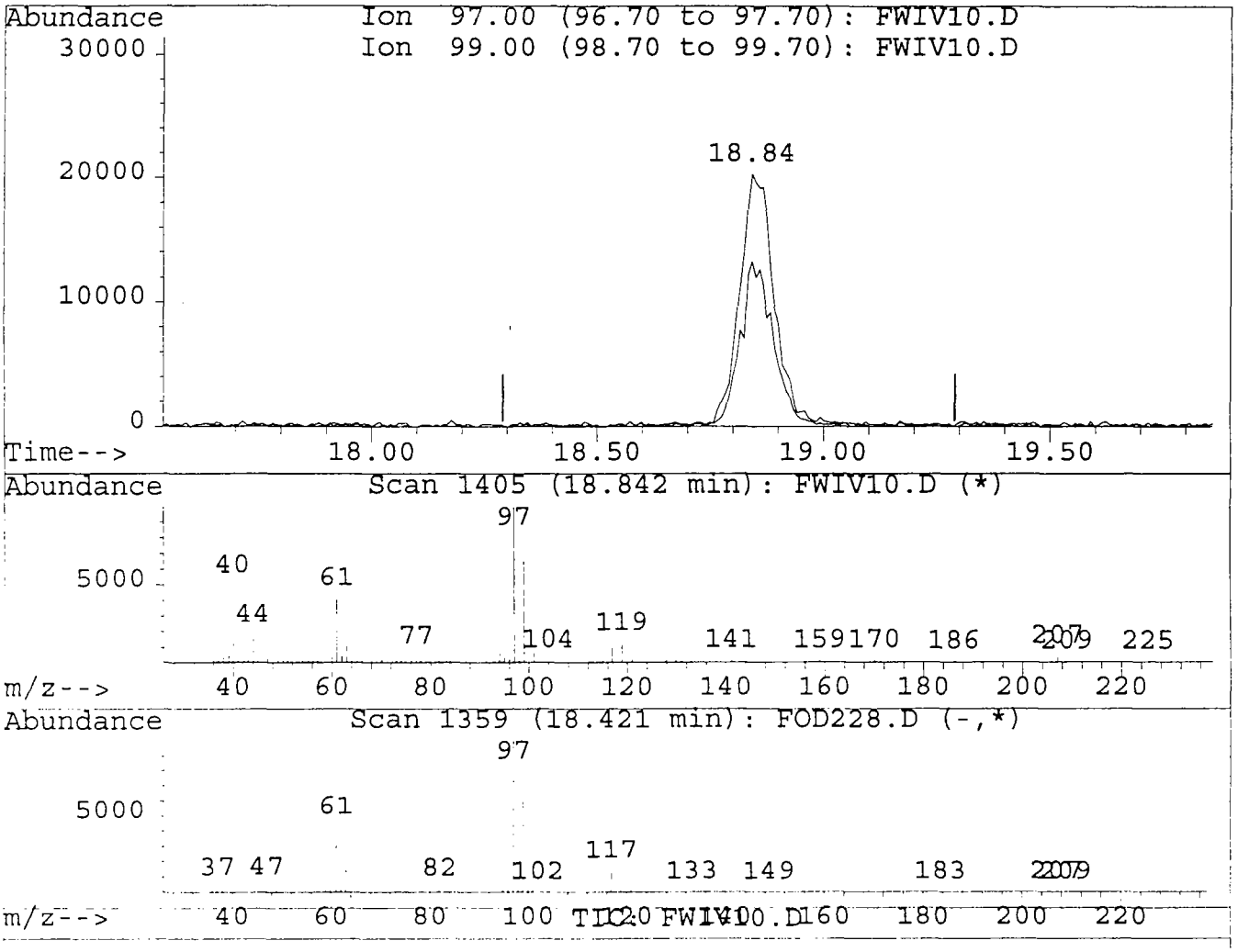
Ion	Ratio	Lower	Upper
76	100		
39	0.0	196.1	294.1#
41	0.0	258.6	387.9#
0	0.0	0.0	0.0



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV10.D Vial: 12
Acq On : 10 Apr 95 12:01 pm Operator:
Sample : 9503G001-021 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 15:05 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

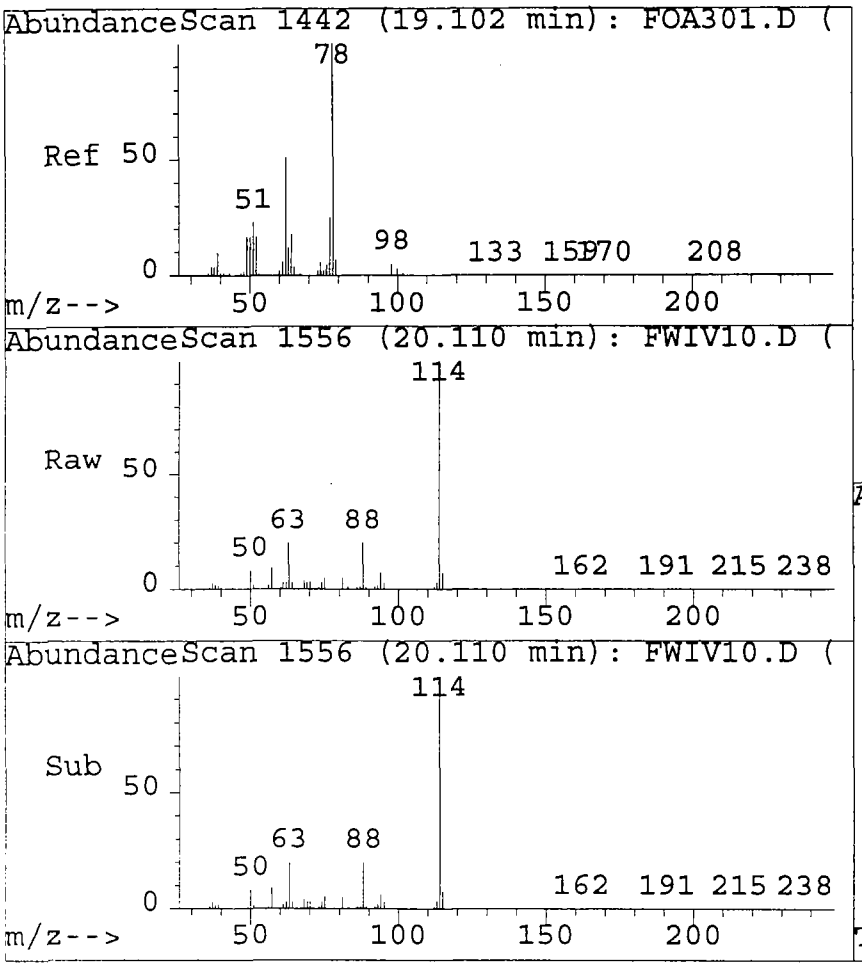


(27) 1,1,1-Trichloroethane (T)

18.84min 2.29ug/l m

response 109040

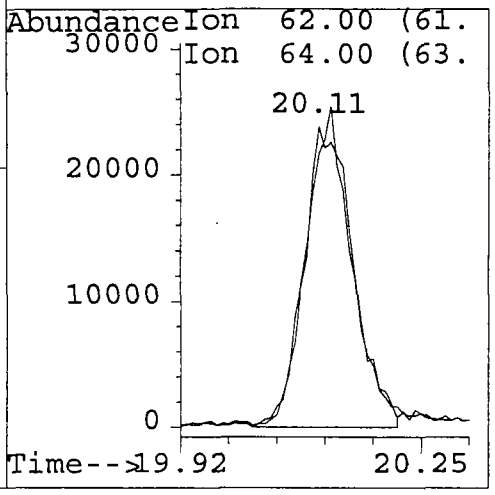
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	65.29
0.00	0.00	0.00
0.00	0.00	0.00

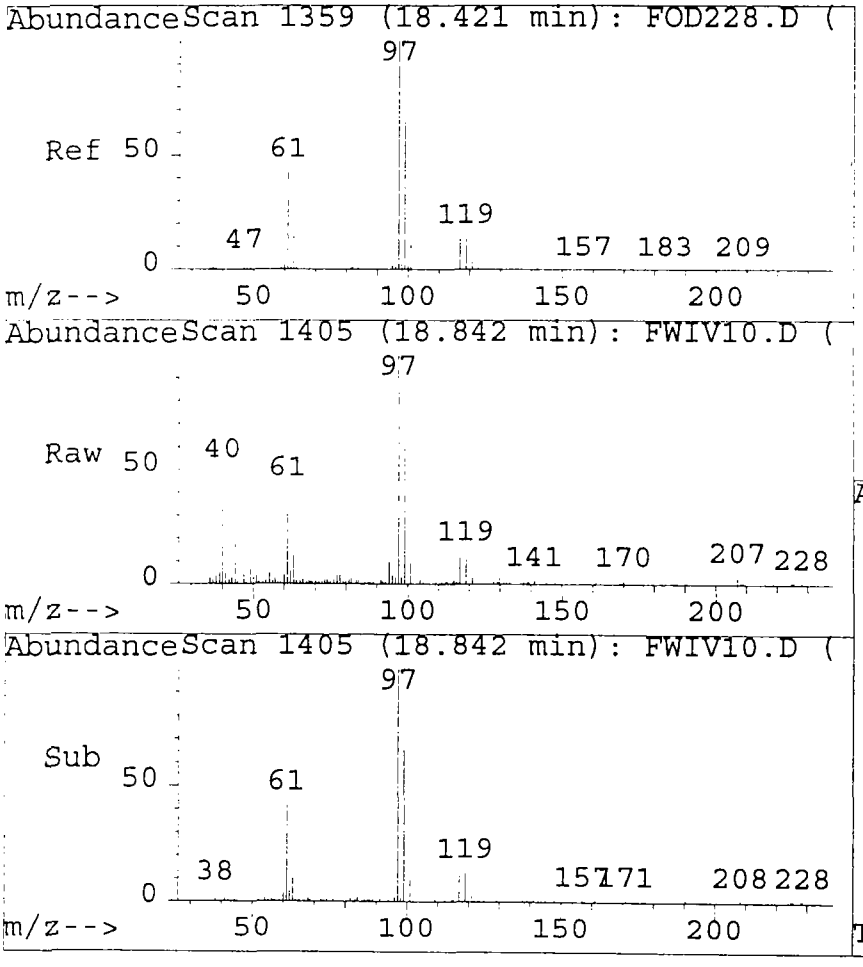


#24
1,2-Dichloroethane
Concen: 3.57 ug/l
RT: 20.11 min Scan# 1556
Delta R.T. 0.64 min
Lab File: FWIV10.D
Acq: 10 Apr 95 12:01 pm

Tgt Ion:62 Resp: 115369

Ion	Ratio	Lower	Upper
62	100		
64	95.9	13.5	53.5#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

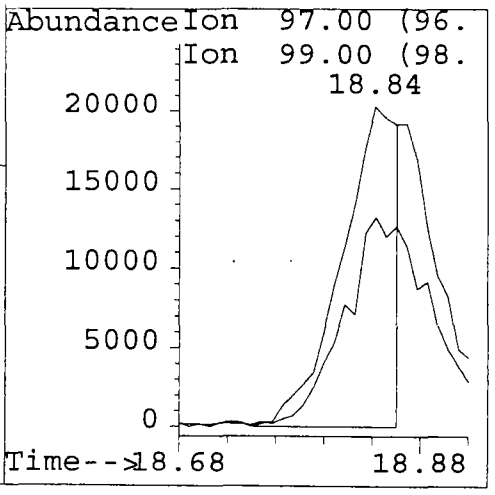




#27
1,1,1-Trichloroethane
Concen: 1.35 ug/l
RT: 18.84 min Scan# 1405
Delta R.T. 0.05 min
Lab File: FWIV10.D
Acq: 10 Apr 95 12:01 pm

Tgt Ion:97 Resp: 64206

Ion	Ratio	Lower	Upper
97	100		
99	51.5	43.9	83.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV10.D
Acq On : 10 Apr 95 12:01 pm
Sample : 9503G001-021 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW

Vial: 12
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-022

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV11

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 4 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP13-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-022

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV11

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 4 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
107-02-8	Acrolein	520	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	21	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	52	U
107-05-1	3-Chloropropene	21	U
126-98-7	Methacrylonitrile	21	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2100	U
106-93-4	1,2-Dibromoethane	21	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	21	U
96-12-8	1,2-Dibromo-3-chloropropane	21	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	21	U
97-63-2	Ethylmethacrylate	21	U
76-01-7	Pentachloroethane	21	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TC2-CP13-SBD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-022

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

Lab File ID: FWIV11

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 4

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

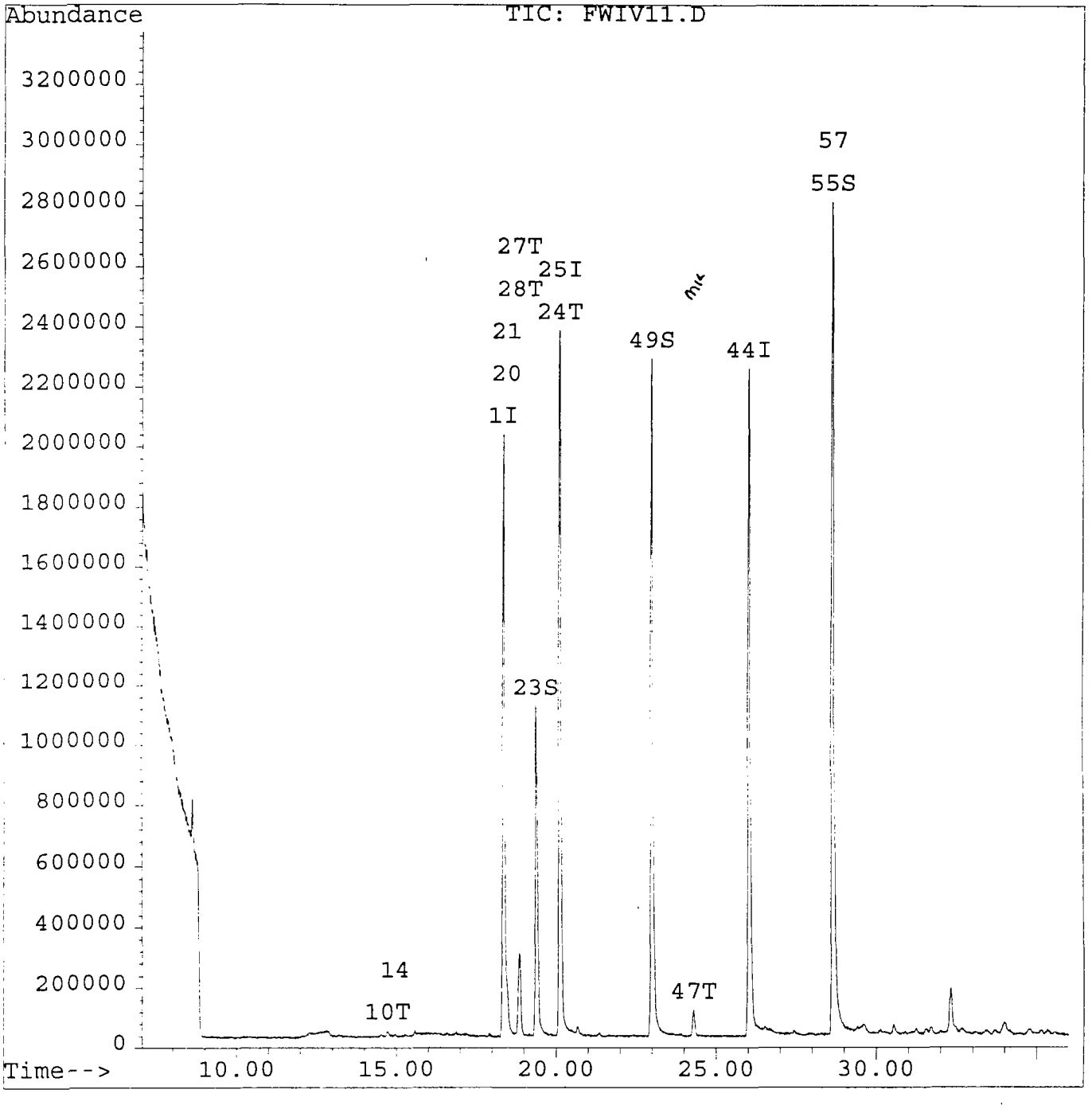
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV11.D
Acq On : 10 Apr 95 12:42 pm
Sample : 9503G001-022 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW
Quant Time: Apr 10 13:19 1995

Vial: 13
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



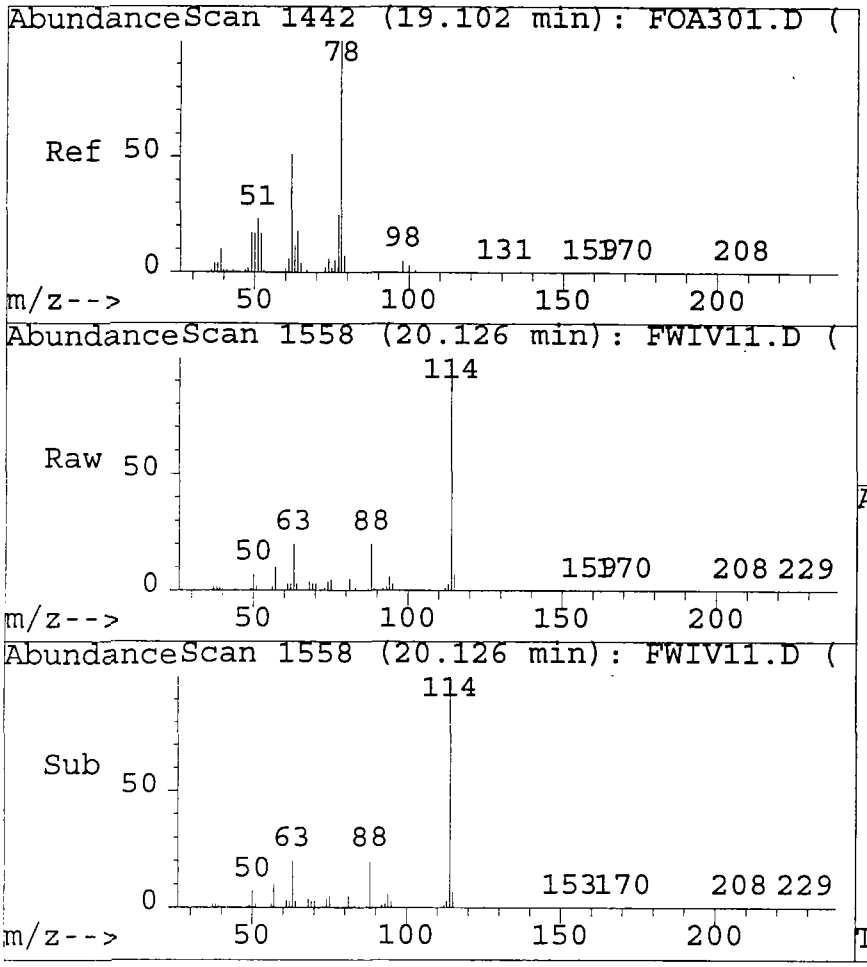
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV11.D Vial: 13
Acq On : 10 Apr 95 12:42 pm Operator:
Sample : 9503G001-022 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 13:19 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.36	128	1378224	50.00	ug/l		0.06
25) 1,4-Difluorobenzene	20.13	114	4896797	50.00	ug/l		0.05
44) Chlorobenzene-d5	26.04	117	3665456	50.00	ug/l		0.03
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.39	65	1799895	52.05	ug/l		104.10%
49) Toluene-d8	23.00	98	4076374	51.01	ug/l		102.03%
55) Bromofluorobenzene	28.65	95	3339670	56.55	ug/l		113.10%
Target Compounds							Qvalue
10) Acetone	14.72	43	54164	~~5.07~~ 6.27	ug/l		75
14) 3-Chloropropene	14.97	76	19085	1.37	ug/l	#	1
20) Methacrylonitrile	18.48	41	70647	5.75	ug/l	#	35
21) 2-Butanone	18.48	43	27302	1.85	ug/l	#	1
24) 1,2-Dichloroethane	20.13	62	147298	3.50	ug/l	#	1
27) 1,1,1-Trichloroethane	18.86	97	499642	8.24	ug/l		99
28) Carbon Tetrachloride	18.86	117	62552	1.12	ug/l		99
47) Tetrachloroethene	24.30	164	53541	1.12	ug/l	#	48
54) 1,2,3-Trichloropropane	28.65	75	1456794	27.93	ug/l	#	51

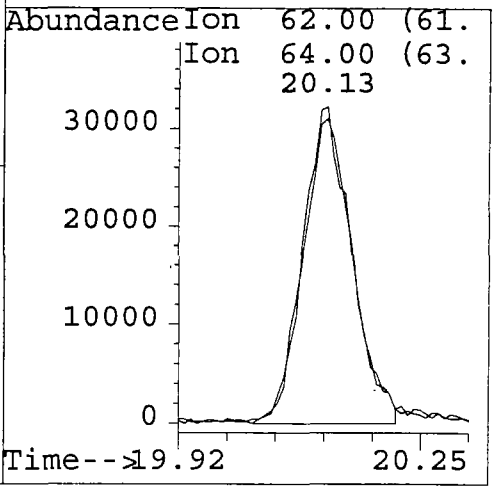
(#) = qualifier out of range (m) = manual integration

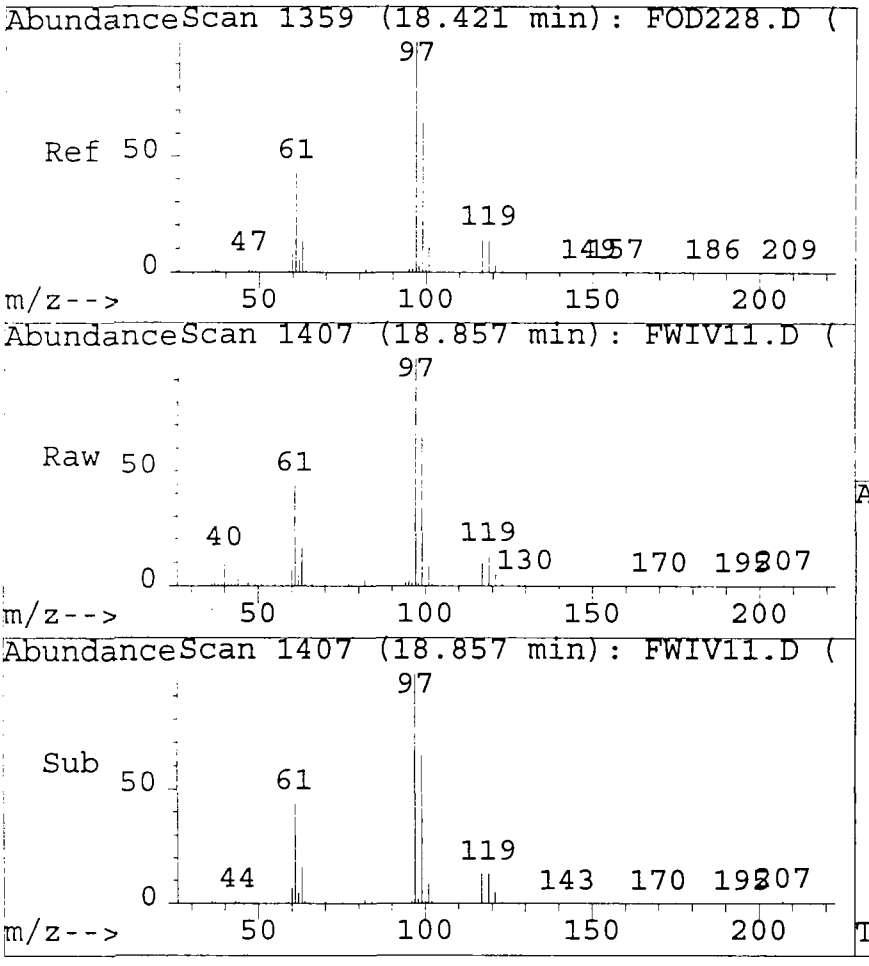


#24
1,2-Dichloroethane
Concen: 3.50 ug/l
RT: 20.13 min Scan# 1558
Delta R.T. 0.65 min
Lab File: FWIV11.D
Acq: 10 Apr 95 12:42 pm

Tgt Ion:62 Resp: 147298

Ion	Ratio	Lower	Upper
62	100		
64	97.1	13.5	53.5#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

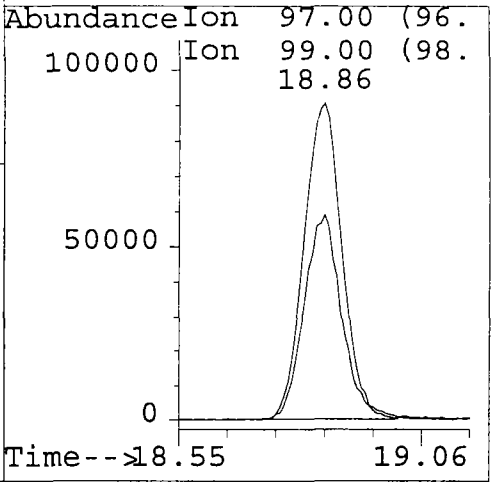


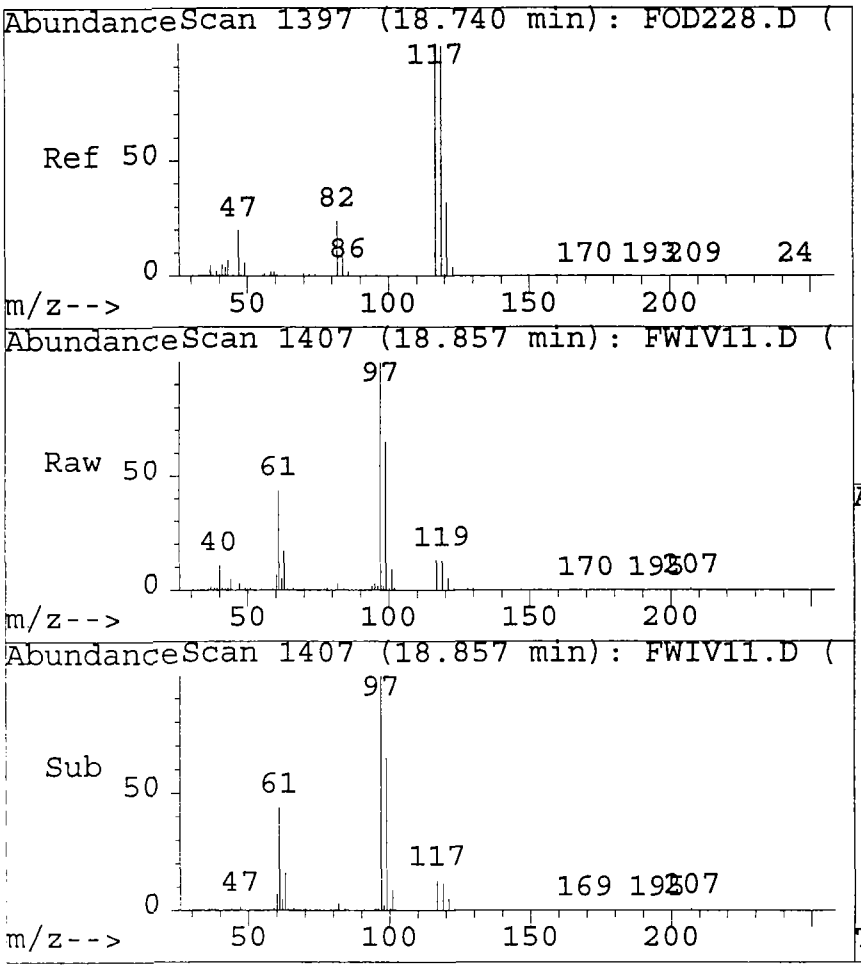


#27
1,1,1-Trichloroethane
Concen: 8.24 ug/l
RT: 18.86 min Scan# 1407
Delta R.T. 0.07 min
Lab File: FWIV11.D
Acq: 10 Apr 95 12:42 pm

Tgt Ion:97 Resp: 499642

Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.9	83.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

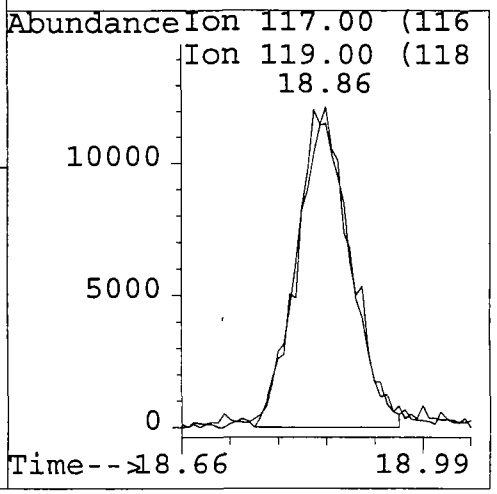


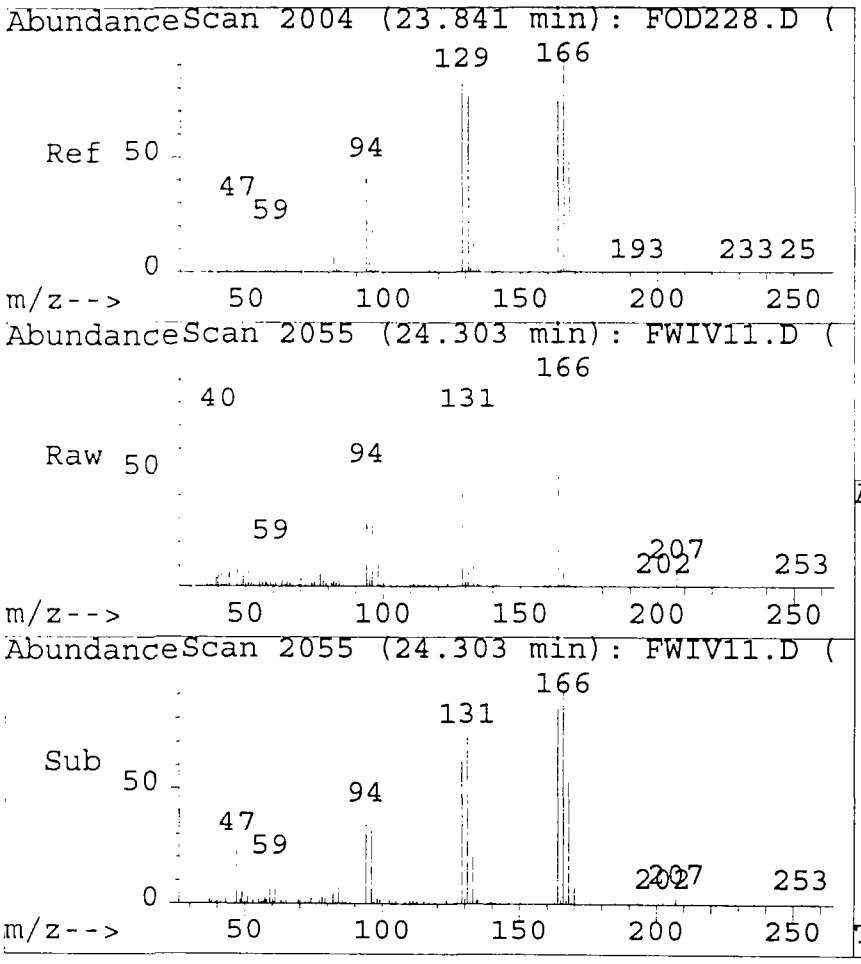


#28
Carbon Tetrachloride
Concen: 1.12 ug/l
RT: 18.86 min Scan# 1407
Delta R.T. -0.25 min
Lab File: FWIV11.D
Acq: 10 Apr 95 12:42 pm

Tgt Ion:117 Resp: 62552

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.0	115.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

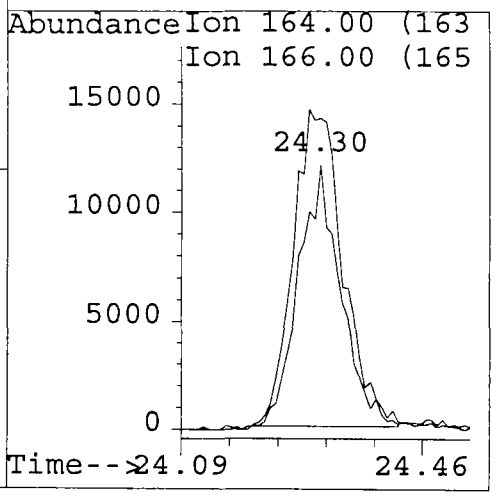




#47
Tetrachloroethene
Concen: 1.12 ug/l
RT: 24.30 min Scan# 2055
Delta R.T. 0.05 min
Lab File: FWIV11.D
Acq: 10 Apr 95 12:42 pm

Tgt Ion:164 Resp: 53541

Ion	Ratio	Lower	Upper
164	100		
166	70.8	111.1	151.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV11.D
Acq On : 10 Apr 95 12:42 pm
Sample : 9503G001-022 FNA410
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW

Vial: 13
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

IV. Standards Data Package

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Roy F. Weston, Inc. Contract: ONE

Case No.: LAB RFW Lot: 953G001

Instrument ID: gc12 Calibration Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Calibration Time(s): 1034 1252 1506

GC Column: _____ ID: ____(mm) JR 4-24-95

LAB FILE ID: RRF20+= BYB403 RRF50+= BYA403
RRF100= BYC403 RRF150= BYD403 RRF200= BYE403

COMPOUND		RRF20+	RRF50+	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD	MIN RRF
Chloromethane	#	3.041	2.954	2.799	2.736	2.778	2.862	4.5#	00
Bromomethane		1.933	1.972	1.927	1.866	1.844	1.908	2.7	
Vinyl chloride	*	2.688	2.594	2.553	2.513	2.518	2.573	2.8*	00
Chloroethane		1.238	1.244	1.165	1.108	1.084	1.168	6.3	
Methylene Chloride		1.931	1.905	1.886	1.750	1.618	1.818	7.2	
Acetone		1.376	0.519	0.554	0.493	0.499	0.688	56.0	
Carbon Disulfide		5.315	5.395	5.325	4.724	4.433	5.038	8.6	
1,1-Dichloroethene	*	1.373	1.422	1.323	1.089	0.921	1.225	17.4*	00
1,1-Dichloroethane	#	4.030	4.123	4.362	4.185	3.989	4.138	3.6#	00
1,2-Dichloroethene (total)		1.849	1.707	1.771	1.499	1.566	1.679	8.6	
Chloroform	*	3.543	3.603	3.663	3.663	3.663	3.627	1.5*	00
1,2-Dichloroethane		2.988	3.005	2.930	2.930	2.930	2.956	1.3	
2-Butanone		1.556	1.254	1.197	1.197	1.204	1.282	12.1	
1,1,1-Trichloroethane		0.551	0.580	0.584	0.584	0.584	0.577	2.6	
Carbon Tetrachloride		0.468	0.500	0.502	0.502	0.502	0.495	3.1	
Vinyl acetate		1.129	1.129	1.342	1.339	1.303	1.248	8.8	
Bromodichloromethane		0.617	0.627	0.633	0.633	0.633	0.629	1.1	
1,2-Dichloropropane	*	0.464	0.484	0.514	0.514	0.514	0.498	4.7*	00
cis-1,3-Dichloropropene		0.707	0.720	0.740	0.740	0.740	0.729	2.1	
Trichloroethene		0.427	0.428	0.427	0.427	0.427	0.427	0.1	
Dibromochloromethane		0.412	0.415	0.416	0.398	0.372	0.403	4.5	.050 .122KPS
1,1,2-Trichloroethane		0.333	0.333	0.330	0.330	0.330	0.331	0.6	
Benzene		1.218	1.210	1.260	1.260	1.260	1.241	2.0	
trans-1,3-Dichloropropene		0.735	0.474	0.763	0.763	0.763	0.700	18.1	
Bromoform	#	0.292	0.294	0.304	0.304	0.304	0.300	2.0#	00
4-Methyl-2-pentanone		0.639	0.390	0.698	0.698	0.698	0.624	21.4	
2-Hexanone		0.528	0.327	0.477	0.477	0.477	0.457	16.6	
Tetrachloroethene		0.481	0.289	0.441	0.441	0.441	0.419	17.8	
1,1,2,2-Tetrachloroethane	#	0.642	0.387	0.641	0.641	0.641	0.590	19.3#	00
Toluene	*	1.479	0.950	1.611	1.611	1.611	1.452	19.7*	00
Chlorobenzene	#	1.033	0.661	1.016	1.016	1.016	0.949	17.0#	00
Ethylbenzene	*	0.471	0.292	0.414	0.414	0.414	0.401	16.4*	00
Styrene		1.107	0.682	0.972	0.972	0.972	0.941	16.6	
Xylene (total)		1.455	0.892	1.313	1.313	1.313	1.257	17.0	
Acrolein		11.48	10.05	9.060	8.177	6.647	9.083	20.2	
Acrylonitrile		3.197	2.823	2.819	2.788	2.571	2.840	7.9	
Dichlorofluoromethane		3.024	2.181	1.147	1.003	1.012	1.673	53.8	

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

6C

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Roy F. Weston, Inc. Contract: ONE

Case No.: LAB RFW Lot: 953G001

Instrument ID: gcl2 Calibration Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Calibration Time(s): ~~1252~~ 1034 1506

GC Column: _____ ID: ____(mm) JK 4-24-95

LAB FILE ID: RRF20+= BYB403 RRF50+= BYA403
RRF100= BYC403 RRF150= BYD403 RRF200= BYE403

COMPOUND	RRF20+	RRF50+	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD	MIN RRF
Dichlorodifluoromethane	2.889	3.361	3.118	2.638	2.716	2.944	10.1	
Acetonitrile	12.84	9.223	9.075	8.092	7.251	9.296	23.0	
Iodomethane	8.157	5.829	5.316	4.900	4.552	5.751	24.8	
Propionitrile (Ethyl Cyanide)	0.305	0.267	0.311	0.311	0.311	0.301	6.4	
3-Chloropropene	2.378	1.724	1.618	1.477	1.350	1.709	23.4	
Methacrylonitrile	4.426	2.797	3.087	3.087	3.087	3.297	19.5	
Dibromomethane	0.886	0.592	0.543	0.543	0.543	0.621	24.0	
Isobutyl alcohol	1.912	1.134	1.250	1.250	1.250	1.360	23.0	
1,2-Dibromoethane	1.248	0.803	0.752	0.752	0.752	0.861	25.2	
1,1,1,2-Tetrachloroethane	1.348	0.528	0.711	0.711	0.711	0.802	39.3	
1,2,3-Trichloropropane	1.866	0.809	1.144	1.144	1.144	1.222	31.8	
trans-1,4-Dichloro-2-butene								
1,2-Dibromo-3-chloropropane								
2-Chloro-1,3-Butadiene								
Methylmethacrylate	1.519	1.420	1.063	1.063	1.063	1.226	18.4	
Ethylmethacrylate	1.996	0.833	1.314	1.314	1.314	1.354	30.6	
Pentachloroethane	0.787	0.321	0.476	0.476	0.476	0.508	33.5	
Toluene-d8	1.383	0.799	1.233	1.175	1.064	1.131	19.3	
4-Bromofluorobenzene	0.807	0.509	0.696	0.648	0.598	0.651	17.1	
1,2-Dichloroethane-d4	2.516	2.287	1.968	1.908	1.894	2.115	13.0	

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

Gulf Coast

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-1995 10:34
End Cal Date : 03-APR-1995 15:06
Quant Method : ISTD
Target Version : 3.12
Integrator : HP RTE
Method file : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Cal Date : 04-Apr-1995 11:27 heniffa
Curve Type : Average

Calibration File Names:
Level 1: /chem/gcl2.i/03Apr1995a.b/yb403.d
Level 2: /chem/gcl2.i/03Apr1995a.b/ya403.d
Level 3: /chem/gcl2.i/03Apr1995a.b/yc403.d
Level 4: /chem/gcl2.i/03Apr1995a.b/yd403.d
Level 5: /chem/gcl2.i/03Apr1995a.b/ye403.d

	20	50	100	150	200	___		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD	
1 Dichlorodifluoromethane	2.88871	3.36097	3.11803	2.63815	2.71560	2.94429	10.089	
2 Chloromethane	3.04122	2.95397	2.79895	2.73561	2.77820	2.86159	4.541	#
3 Vinyl Chloride	2.68815	2.59379	2.55343	2.51334	2.51786	2.57331	2.794	*
4 Bromomethane	1.93335	1.97171	1.92740	1.86590	1.84375	1.90842	2.745	
5 Chloroethane	1.23824	1.24407	1.16512	1.10831	1.08381	1.16791	6.260	
6 Trichlorofluoromethane	3.02402	2.18091	1.14683	1.00278	1.01236	1.67338	53.831	
7 Trichlorotrifluoroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
8 Methyl-tert-butylether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
9 Ethyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
10 Acrolein	0.28702	0.25122	0.22649	0.20442	0.16617	0.22706	20.181	*
11 1,1-Dichloroethene	1.37259	1.42178	1.32274	1.08896	0.92121	1.22545	17.352	
12 Iodomethane	3.26288	2.91445	2.65802	2.44992	2.27597	2.71225	14.353	
13 Acetone	1.37626	0.51930	0.55393	0.49338	0.49896	0.68837	55.970	
14 Carbon Disulfide	5.31470	5.39543	5.32499	4.72421	4.43272	5.03841	8.603	
15 3-Chloropropene	0.95123	0.86227	0.80881	0.73856	0.67473	0.80712	13.292	
16 Acetonitrile	1.60470	1.15290	1.13436	1.01149	0.90638	1.16197	22.965	
17 Methylene Chloride	1.93056	1.90462	1.88571	1.75015	1.61814	1.81784	7.241	
18 Acrylonitrile	0.39957	0.35291	0.35235	0.34849	0.32142	0.35495	7.929	
19 1,1-Dichloroethane	4.03016	4.12308	4.36207	4.18467	3.98936	4.13787	3.550	#
20 Vinyl acetate	1.12863	1.12904	1.34170	1.33883	1.30315	1.24827	8.818	
21 1,2-Dichloroethene (total)	1.84939	1.70725	1.77116	1.49917	1.56572	1.67854	8.607	
22 cis-1,2-Dichloroethene	2.01809	2.01325	2.12555	1.99321	1.90417	2.01085	3.924	
23 2-Butanone	1.55655	1.25429	1.19711	1.18923	1.20368	1.28017	12.232	
24 Ethyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
25 Propionitrile	0.03807	0.03335	0.03886	0.04048	0.03823	0.03780	7.045	
Methacrylonitrile	1.77046	1.39863	1.54334	1.50901	1.48551	1.54139	9.003	
28 Chloroform	3.54267	3.60272	3.66339	3.45784	3.21222	3.49577	5.028	*

Gulf Coast

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-1995 10:34
End Cal Date : 03-APR-1995 15:06
Quant Method : ISTD
Target Version : 3.12
Integrator : HP RTE
Method file : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Cal Date : 04-Apr-1995 11:27 heniffa
Curve Type : Average

	Compound	20 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	RRF	% RSD	
29	1,1,1-Trichloroethane	0.55071	0.57993	0.58453	0.54472	0.50003	0.55198	6.139	
30	Carbon Tetrachloride	0.46752	0.50016	0.50172	0.46971	0.43346	0.47451	5.918	
31	Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
32	Isobutanol	0.01912	0.01418	0.01563	0.01407	0.01150	0.01490	18.728	
34	Benzene	1.21772	1.20958	1.25959	1.02209	0.81354	1.10450	16.899	
35	1,2-Dichloroethane	2.98837	3.00482	2.92964	2.62137	2.16721	2.74228	13.020	
	Crotononitrile	0.03556	0.03136	0.03460	0.03557	0.03269	0.03396	5.492	
	Trichloroethene	0.42665	0.42822	0.42710	0.39287	0.35439	0.40585	7.986	
39	1,2-Dichloropropane	0.46387	0.48391	0.51415	0.48935	0.45311	0.48088	4.930	*
40	Methylmethacrylate	0.60775	0.70977	0.53168	0.43528	0.39687	0.53627	23.746	
41	Dibromomethane	0.35424	0.29596	0.27148	0.24856	0.21544	0.27714	18.883	
42	Bromodichloromethane	0.61737	0.62717	0.63292	0.59153	0.54110	0.60202	6.240	
43	2-Chloroethylvinylether	0.16888	0.18248	0.20176	0.19778	0.19183	0.18855	6.986	
44	cis-1,3-Dichloropropene	0.70676	0.71978	0.74016	0.68994	0.63798	0.69892	5.538	
45	2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
47	Toluene	1.47941	0.95014	1.61072	1.46422	1.31021	1.36294	18.648	*
48	trans-1,3-Dichloropropene	0.73507	0.47391	0.76285	0.72553	0.66544	0.67256	17.336	
49	4-Methyl-2-pentanone	0.63933	0.39006	0.69750	0.71132	0.68984	0.62561	21.492	
50	Ethylmethacrylate	0.79837	0.41653	0.65680	0.63063	0.55816	0.61210	22.842	
51	1,1,2-Trichloroethane	0.33284	0.33324	0.32960	0.31200	0.28948	0.31943	5.911	
52	Tetrachloroethene	0.48142	0.28917	0.44064	0.40664	0.36841	0.39725	18.484	
53	2-Hexanone	0.52804	0.32707	0.47692	0.48471	0.46814	0.45698	16.671	
54	Chlorodibromomethane	0.41175	0.41543	0.41638	0.39770	0.37289	0.40283	4.551	
55	1,2-Dibromoethane	0.49900	0.40130	0.37578	0.34995	0.31451	0.38811	17.988	
57	Chlorobenzene	1.03325	0.66062	1.01645	0.94109	0.85479	0.90124	16.859	*
58	1,1,1,2-Tetrachloroethane	0.53912	0.26402	0.35537	0.30707	0.25874	0.34487	33.449	
59	Ethylbenzene	0.47056	0.29183	0.41356	0.35029	0.29103	0.36346	21.546	*
60	m,p-xylene	1.40813	0.84752	1.23158	1.06834	0.91481	1.09408	20.999	
61	Xylene (total)	1.45476	0.89156	1.31342	1.16842	1.03117	1.17186	19.007	
62	Styrene	1.10718	0.68211	0.97236	0.86613	0.75598	0.87675	19.324	
63	Bromoform	0.29211	0.29449	0.30424	0.29745	0.28619	0.29489	2.258	*
65	1,2,3-Trichloropropane	0.74620	0.40458	0.57221	0.55712	0.48533	0.55309	22.927	
	1,1,2,2-Tetrachloroethane	0.64238	0.38702	0.64062	0.61489	0.57880	0.57274	18.675	*
	trans-1,4-Dichloro-2-butene	0.12081	0.06011	0.08858	0.08251	0.07222	0.08484	26.902	

Gulf Coast

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-1995 10:34
End Cal Date : 03-APR-1995 15:06
Quant Method : ISTD
Target Version : 3.12
Integrator : HP RTE
Method file : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Cal Date : 04-Apr-1995 11:27 heniffa
Curve Type : Average

	Compound	20 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	___ RRF	% RSD
68	Pentachloroethane	0.31494	0.16063	0.23825	0.22281	0.19817	0.22696	25.227
69	1,3-Dichlorobenzene	0.93933	0.57741	0.85399	0.79390	0.70826	0.77458	17.924
70	1,4-Dichlorobenzene	0.93704	0.57381	0.84856	0.77313	0.69701	0.76591	18.211
71	1,2-Dichlorobenzene	0.90313	0.54190	0.81009	0.75434	0.67474	0.73684	18.606
72	1,2-dibromo-3-chloropropane	0.14421	0.07474	0.12112	0.12489	0.11746	0.11649	21.904
73	Naphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	1,2-Dichloroethane-d4	2.51610	2.28739	1.96848	1.90811	1.89466	2.11495	13.022
$ 46	Toluene-d8	1.38332	0.79939	1.23331	1.17499	1.06441	1.13108	19.293
$ 64	Bromofluorobenzene	0.80708	0.50869	0.69626	0.64835	0.59748	0.65157	17.078

Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/03Apr1995a.b/ya403.d
Lab Smp Id:
Inj Date : 03-APR-1995 10:34
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD50+A+N BXA403
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+2.5UL256,257,251,207+2UL24
Comment :
Method : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Meth Date : 03-Apr-1995 20:42 kruedinm Quant Type: ISTD
Cal Date : 03-APR-1995 10:34 Cal File: ya403.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85.00	5.337	5.337	(0.389)	114421	50.00	57.08 (M)
2	Chloromethane	50.00	6.537	6.537	(0.476)	100565	50.00	51.61 (M)
3	Vinyl Chloride	62.00	7.282	7.282	(0.531)	88303	50.00	50.40 (M)
4	Bromomethane	94.00	8.521	8.521	(0.621)	67125	50.00	51.66 (M)
5	Chloroethane	64.00	8.867	8.867	(0.646)	42353	50.00	53.26 (M)
6	Trichlorofluoromethane	101.00	9.522	9.522	(0.694)	74247	50.00	65.16 (M)
10	Acrolein	56.00	10.494	10.494	(0.765)	342106	2000	2213 (M)
11	1,1-Dichloroethene	96.00	10.563	10.563	(0.770)	48403	50.00	58.01
12	Iodomethane	142.00	10.792	10.792	(0.787)	198439	100.0	107.4
13	Acetone	43.00	10.811	10.811	(0.788)	17679	50.00	37.72 (M)
14	Carbon Disulfide	76.00	10.841	10.841	(0.790)	183682	50.00	53.54
15	3-Chloropropene	76.00	11.238	11.238	(0.819)	58710	100.0	106.8
16	Acetonitrile	41.00	11.238	11.238	(0.819)	313994	400.0	396.9
17	Methylene Chloride	84.00	11.457	11.457	(0.835)	64841	50.00	52.39
18	Acrylonitrile	53.00	11.884	11.884	(0.866)	96116	400.0	397.7
19	1,1-Dichloroethane	63.00	12.509	12.509	(0.912)	140366	50.00	49.82
20	Vinyl acetate	43.00	12.598	12.598	(0.829)	194216	50.00	45.22
21	1,2-Dichloroethene (total)	96.00	13.362	13.362	(0.974)	116243	100.0	101.7 (M)
22	cis-1,2-Dichloroethene	96.00	13.362	13.362	(0.974)	68539	50.00	50.06
	2-Butanone	43.00	13.402	13.402	(0.977)	42701	50.00	48.99 (M)
25	Propionitrile	54.00	13.501	13.501	(0.889)	45899	400.0	352.9 (M)
26	Methacrylonitrile	41.00	13.709	13.709	(0.999)	95230	100.0	90.74

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	27 Bromochloromethane	127.80	13.719	13.719	(1.000)	34044	50.00	
	28 Chloroform	83.00	13.839	13.839	(1.009)	122651	50.00	51.53
	29 1,1,1-Trichloroethane	97.00	14.087	14.087	(0.927)	99758	50.00	52.53
	30 Carbon Tetrachloride	116.80	14.325	14.325	(0.943)	86036	50.00	52.70
	32 Isobutanol	43.00	14.534	14.534	(0.957)	195082	4000	3806
$	33 1,2-Dichloroethane-d4	65.00	14.573	14.573	(1.062)	77872	50.00	54.08
	34 Benzene	78.00	14.643	14.643	(0.964)	208070	50.00	54.76
	35 1,2-Dichloroethane	62.00	14.683	14.683	(1.070)	102296	50.00	54.79 (M)
*	36 1,4-Difluorobenzene	114.00	15.189	15.189	(1.000)	172018	50.00	
	37 Crotononitrile	67.00	15.219	15.219	(1.002)	43161	400.0	369.4
	38 Trichloroethene	130.00	15.606	15.606	(1.027)	73662	50.00	52.76 (M)
	39 1,2-Dichloropropane	63.00	15.973	15.973	(1.052)	83241	50.00	50.31 (M)
	40 Methylmethacrylate	41.00	16.092	16.092	(1.059)	244187	100.0	132.4 (M)
	41 Dibromomethane	174.00	16.172	16.172	(1.065)	101820	100.0	106.8 (M)
	42 Bromodichloromethane	83.00	16.400	16.400	(1.080)	107885	50.00	52.09 (M)
	43 2-Chloroethylvinylether	63.00	16.837	16.837	(1.109)	31390	50.00	48.39 (M)
	44 cis-1,3-Dichloropropene	75.00	17.105	17.105	(1.126)	123815	50.00	51.49 (M)
$	46 Toluene-d8	98.00	17.552	17.552	(0.000)	179594	50.00	35.34 (M)
	47 Toluene	91.00	17.671	17.671	(0.000)	213464	50.00	34.86 (M)
	48 trans-1,3-Dichloropropene	75.00	18.038	18.038	(0.000)	106470	50.00	35.23 (M)
	4-Methyl-2-pentanone	43.00	17.333	17.333	(0.861)	87633	50.00	126.9 (M)
	Ethylmethacrylate	69.00	18.138	18.138	(0.000)	187161	100.0	68.05 (M)
	51 1,1,2-Trichloroethane	97.00	18.376	18.376	(1.210)	57323	50.00	52.16 (M)
	52 Tetrachloroethene	164.00	18.615	18.615	(0.000)	64967	50.00	36.40 (M)
	53 2-Hexanone	43.00	18.773	18.773	(0.000)	73482	50.00	35.79 (M)
	54 Chlorodibromomethane	129.00	19.091	19.091	(1.257)	71461	50.00	51.56 (M)
	55 1,2-Dibromoethane	107.00	19.319	19.319	(1.272)	138060	100.0	103.4 (M)
*	56 Chlorobenzene-d5	117.00	20.143	20.143	(1.000)	224665	50.00	(M)
	57 Chlorobenzene	112.00	20.193	20.193	(1.002)	148419	50.00	36.65 (M)
	58 1,1,1,2-Tetrachloroethane	131.00	20.342	20.342	(1.010)	118633	100.0	76.56 (M)
	59 Ethylbenzene	106.00	20.372	20.372	(1.011)	65565	50.00	40.15 (M)
	60 m,p-xylene	91.00	20.591	20.591	(1.022)	380815	100.0	77.46 (M)
	61 Xylene (total)	91.00	21.355	21.355	(1.060)	200302	50.00	38.04 (M)
	62 Styrene	104.00	21.394	21.394	(1.062)	153247	50.00	38.90 (M)
	63 Bromoform	173.00	21.791	21.791	(1.435)	50657	50.00	49.93 (M)
$	64 Bromofluorobenzene	95.00	22.407	22.407	(1.112)	114284	50.00	39.04 (M)
	65 1,2,3-Trichloropropane	75.00	22.804	22.804	(1.132)	181792	100.0	73.15 (M)
	66 1,1,2,2-Tetrachloroethane	83.00	22.704	22.704	(1.127)	86949	50.00	33.79 (M)
	67 trans-1,4-Dichloro-2-butene	89.00	22.804	22.804	(1.132)	27010	100.0	70.85 (M)
	68 Pentachloroethane	167.00	23.985	23.985	(1.191)	72178	100.0	70.78 (M)
	69 1,3-Dichlorobenzene	146.00	24.621	24.621	(1.222)	129723	50.00	37.27 (M)
	70 1,4-Dichlorobenzene	146.00	24.809	24.809	(1.232)	128915	50.00	37.46 (M)
	71 1,2-Dichlorobenzene	146.00	25.583	25.583	(1.270)	121745	50.00	36.77 (M)
	72 1,2-dibromo-3-chloropropane	157.00	27.330	27.330	(1.357)	33585	100.0	64.16 (M)

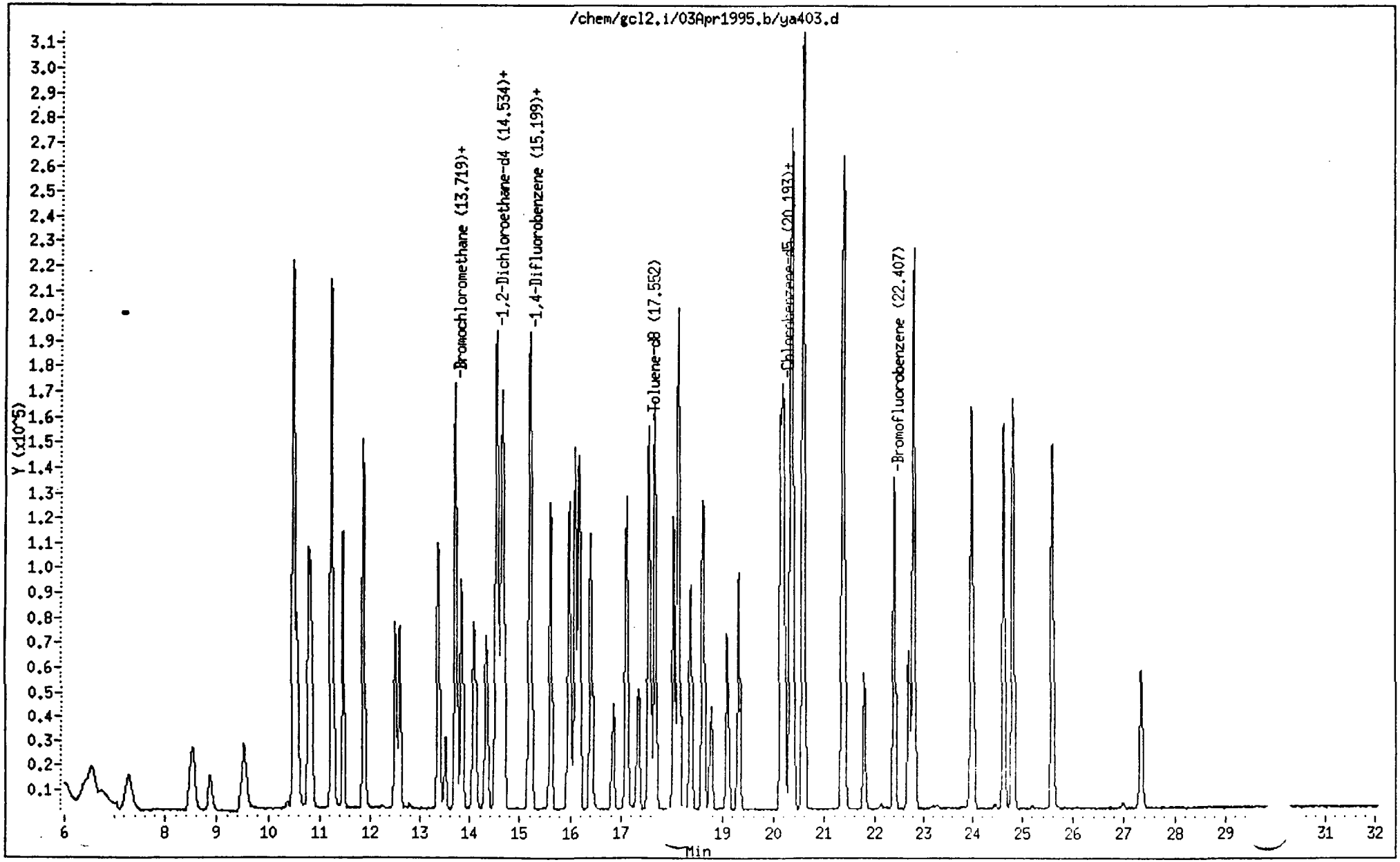
Flag Legend

M - Compound response manually integrated.

Data File: /chem/gcl2.i/03Apr1995.b/ya403.d
Date : 03-APR-1995 10:34
Client ID:
Sample Info: STD50+A+N BXA403
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/03Apr1995a.b/yb403.d
Lab Smp Id:
Inj Date : 03-APR-1995 12:52
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD20+A+N 8XA403
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS+2ULSS+1UL256,257,207,251+1UL2
Comment :
Method : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Meth Date : 03-Apr-1995 20:42 kruedinm Quant Type: ISTD
Cal Date : 03-APR-1995 10:34 Cal File: ya403.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85.00	5.349	5.349	(0.391)	39305	20.00	19.62 (M)
2 Chloromethane	50.00	6.569	6.569	(0.480)	41380	20.00	21.26
3 Vinyl Chloride	62.00	7.273	7.273	(0.531)	36576	20.00	20.89
4 Bromomethane	94.00	8.523	8.523	(0.623)	26306	20.00	20.26
5 Chloroethane	64.00	8.838	8.838	(0.646)	16848	20.00	21.20
6 Trichlorofluoromethane	101.00	9.493	9.493	(0.693)	41146	20.00	36.14
10 Acrolein	56.00	10.465	10.465	(0.764)	156214	800.0	1011 (M)
11 1,1-Dichloroethene	96.00	10.544	10.544	(0.770)	18676	20.00	22.40
12 Iodomethane	142.00	10.762	10.762	(0.786)	110990	50.00	60.15
13 Acetone	43.00	10.772	10.772	(0.787)	18726	20.00	39.99
14 Carbon Disulfide	76.00	10.822	10.822	(0.791)	72314	20.00	21.10
15 3-Chloropropene	76.00	11.209	11.209	(0.819)	32357	50.00	58.93
16 Acetonitrile	41.00	11.219	11.219	(0.820)	174674	160.0	221.0
17 Methylene Chloride	84.00	11.427	11.427	(0.835)	26268	20.00	21.24
18 Acrylonitrile	53.00	11.844	11.844	(0.865)	43494	160.0	180.1
19 1,1-Dichloroethane	63.00	12.479	12.479	(0.912)	54836	20.00	19.48
20 Vinyl acetate	43.00	12.558	12.558	(0.828)	78624	20.00	18.08
21 1,2-Dichloroethene (total)	96.00	13.332	13.332	(0.974)	50327	40.00	44.07 (M)
22 cis-1,2-Dichloroethene	96.00	13.332	13.332	(0.974)	27459	20.00	20.07
24 2-Butanone	43.00	13.371	13.371	(0.977)	21179	20.00	24.32 (M)
25 Propionitrile	54.00	13.471	13.471	(0.888)	21216	160.0	161.1
26 Methacrylonitrile	41.00	13.679	13.679	(0.999)	60224	50.00	57.43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	27 Bromochloromethane	127.80	13.689	13.689	(1.000)	34016	50.00	
	28 Chloroform	83.00	13.808	13.808	(1.009)	48203	20.00	20.27
	29 1,1,1-Trichloroethane	97.00	14.056	14.056	(0.927)	38364	20.00	19.95
	30 Carbon Tetrachloride	116.80	14.304	14.304	(0.943)	32569	20.00	19.70
	32 Isobutanol	43.00	14.503	14.503	(0.956)	133208	2000	2567
$	33 1,2-Dichloroethane-d4	65.00	14.553	14.553	(1.063)	34235	20.00	23.79
	34 Benzene	78.00	14.622	14.622	(0.964)	84830	20.00	22.05
	35 1,2-Dichloroethane	62.00	14.662	14.662	(1.071)	40661	20.00	21.79
*	36 1,4-Difluorobenzene	114.00	15.168	15.168	(1.000)	174158	50.00	
	37 Crotononitrile	67.00	15.198	15.198	(1.002)	19816	160.0	167.5
	38 Trichloroethene	130.00	15.585	15.585	(1.027)	29722	20.00	21.02
	39 1,2-Dichloropropane	63.00	15.952	15.952	(1.052)	32315	20.00	19.29
	40 Methylmethacrylate	41.00	16.082	16.082	(1.060)	105844	50.00	56.66
	41 Dibromomethane	174.00	16.151	16.151	(1.065)	61694	50.00	63.91
	42 Bromodichloromethane	83.00	16.389	16.389	(1.081)	43008	20.00	20.51
	43 2-Chloroethylvinylether	63.00	16.836	16.836	(1.110)	11765	20.00	17.91
	44 cis-1,3-Dichloropropene	75.00	17.104	17.104	(1.128)	49235	20.00	20.22
$	46 Toluene-d8	98.00	17.550	17.550	(0.871)	80287	20.00	24.46
	47 Toluene	91.00	17.660	17.660	(0.877)	85864	20.00	21.71
	48 trans-1,3-Dichloropropene	75.00	18.037	18.037	(0.896)	42663	20.00	21.86
	4-Methyl-2-pentanone	43.00	17.332	17.332	(0.861)	37106	20.00	50.48 (M)
	Ethylmethacrylate	69.00	18.126	18.126	(0.900)	115842	50.00	65.22
	51 1,1,2-Trichloroethane	97.00	18.374	18.374	(1.211)	23187	20.00	20.84
	52 Tetrachloroethene	164.00	18.603	18.603	(0.924)	27941	20.00	24.24
	53 2-Hexanone	43.00	18.772	18.772	(0.932)	30647	20.00	23.11
	54 Chlorodibromomethane	129.00	19.089	19.089	(1.258)	28684	20.00	20.44 (M)
	55 1,2-Dibromoethane	107.00	19.317	19.317	(1.274)	86904	50.00	64.28
*	56 Chlorobenzene-d5	117.00	20.140	20.140	(1.000)	145098	50.00	
	57 Chlorobenzene	112.00	20.200	20.200	(1.003)	59969	20.00	22.93
	58 1,1,1,2-Tetrachloroethane	131.00	20.340	20.340	(1.010)	78225	50.00	78.16
	59 Ethylbenzene	106.00	20.369	20.369	(1.011)	27311	20.00	25.89
	60 m,p-xylene	91.00	20.588	20.588	(1.022)	163454	40.00	51.48
	61 Xylene (total)	91.00	21.362	21.362	(1.061)	84433	20.00	24.83
	62 Styrene	104.00	21.392	21.392	(1.062)	64260	20.00	25.26
	63 Bromoform	173.00	21.799	21.799	(1.437)	20349	20.00	19.81
$	64 Bromofluorobenzene	95.00	22.414	22.414	(1.113)	46842	20.00	24.77
	65 1,2,3-Trichloropropane	75.00	22.811	22.811	(1.133)	108272	50.00	67.46
	66 1,1,2,2-Tetrachloroethane	83.00	22.711	22.711	(1.128)	37283	20.00	22.43
	67 trans-1,4-Dichloro-2-butene	89.00	22.821	22.821	(1.133)	17529	50.00	71.19
	68 Pentachloroethane	167.00	23.991	23.991	(1.191)	45697	50.00	69.38
	69 1,3-Dichlorobenzene	146.00	24.636	24.636	(1.223)	54518	20.00	24.25
	70 1,4-Dichlorobenzene	146.00	24.815	24.815	(1.232)	54385	20.00	24.47
	71 1,2-Dichlorobenzene	146.00	25.599	25.599	(1.271)	52417	20.00	24.51
	72 1,2-dibromo-3-chloropropane	157.00	27.345	27.345	(1.358)	20925	50.00	61.90

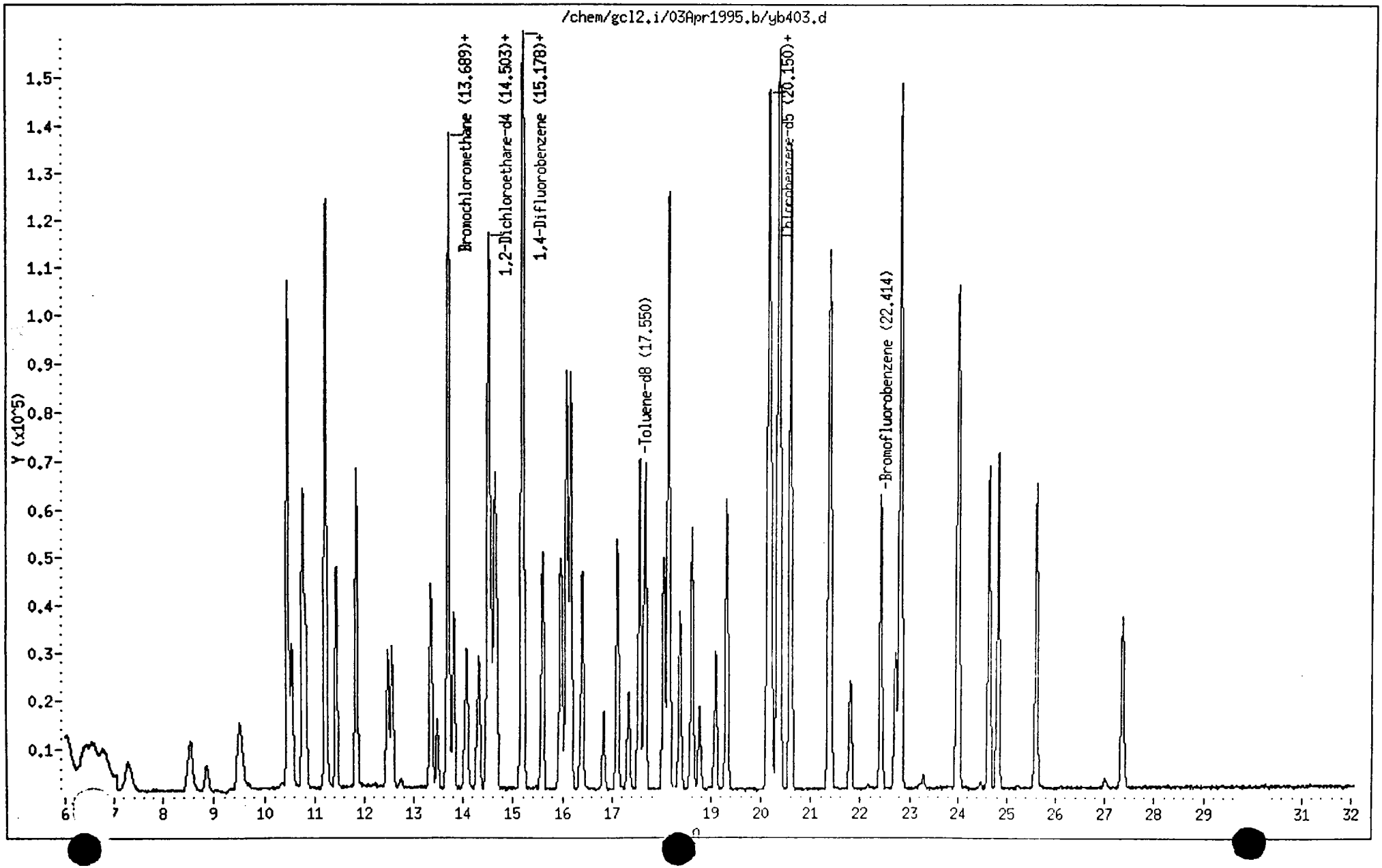
Flag Legend

M - Compound response manually integrated.

Data File: /chem/gcl2.i/03Apr1995.b/yb403.d
Date : 03-APR-1995 12:52
Client ID:
Sample Info: STD20+A+N
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/03Apr1995a.b/yc403.d
Lab Smp Id:
Inj Date : 03-APR-1995 13:36
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD100+A+N BxA403
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS+10ULSS+5UL256,257,207,251+4UL
Comment :
Method : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Meth Date : 03-Apr-1995 20:42 kruedinm Quant Type: ISTD
Cal Date : 03-APR-1995 10:34 Cal File: ya403.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85.00	5.400	5.400	(0.394)	218256	100.0	105.9(M)
2 Chloromethane	50.00	6.640	6.640	(0.485)	195921	100.0	97.81
3 Vinyl Chloride	62.00	7.334	7.334	(0.535)	178735	100.0	99.23
4 Bromomethane	94.00	8.554	8.554	(0.624)	134914	100.0	101.0
5 Chloroethane	64.00	8.869	8.869	(0.647)	81556	100.0	99.76
6 Trichlorofluoromethane	101.00	9.484	9.484	(0.692)	80276	100.0	68.53
10 Acrolein	56.00	10.496	10.496	(0.766)	634145	4000	3990
11 1,1-Dichloroethene	96.00	10.546	10.546	(0.770)	92589	100.0	107.9
12 Iodomethane	142.00	10.774	10.774	(0.786)	372112	200.0	196.0
13 Acetone	43.00	10.824	10.824	(0.790)	38774	100.0	80.47
14 Carbon Disulfide	76.00	10.824	10.824	(0.790)	372739	100.0	105.7
15 3-Chloropropene	76.00	11.221	11.221	(0.819)	113230	200.0	200.4
16 Acetonitrile	41.00	11.221	11.221	(0.819)	635222	800.0	781.0
17 Methylene Chloride	84.00	11.449	11.449	(0.836)	131996	100.0	103.7
18 Acrylonitrile	53.00	11.886	11.886	(0.867)	197313	800.0	794.2
19 1,1-Dichloroethane	63.00	12.491	12.491	(0.912)	305336	100.0	105.4
20 Vinyl acetate	43.00	12.581	12.581	(0.829)	469004	100.0	107.5
21 1,2-Dichloroethene (total)	96.00	13.345	13.345	(0.974)	247955	200.0	211.0(M)
cis-1,2-Dichloroethene	96.00	13.345	13.345	(0.974)	148784	100.0	105.7
2-Butanone	43.00	13.394	13.394	(0.978)	83795	100.0	93.51
25 Propionitrile	54.00	13.503	13.503	(0.890)	108669	800.0	822.4
26 Methacrylonitrile	41.00	13.702	13.702	(1.000)	216061	200.0	200.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	27 Bromochloromethane	127.80	13.702	13.702	(1.000)	34999	50.00	
	28 Chloroform	83.00	13.821	13.821	(1.009)	256430	100.0	104.8
	29 1,1,1-Trichloroethane	97.00	14.070	14.070	(0.927)	204328	100.0	105.9
	30 Carbon Tetrachloride	116.80	14.308	14.308	(0.943)	175380	100.0	105.7
	32 Isobutanol	43.00	14.546	14.546	(0.959)	437130	8000	8393
$	33 1,2-Dichloroethane-d4	65.00	14.556	14.556	(1.062)	137790	100.0	93.07
	34 Benzene	78.00	14.626	14.626	(0.964)	440302	100.0	114.0
	35 1,2-Dichloroethane	62.00	14.666	14.666	(1.070)	205069	100.0	106.8
*	36 1,4-Difluorobenzene	114.00	15.172	15.172	(1.000)	174780	50.00	
	37 Crotononitrile	67.00	15.202	15.202	(1.002)	96755	800.0	815.1
	38 Trichloroethene	130.00	15.589	15.589	(1.027)	149296	100.0	105.2
	39 1,2-Dichloropropane	63.00	15.956	15.956	(1.052)	179727	100.0	106.9
	40 Methylmethacrylate	41.00	16.076	16.076	(1.060)	371711	200.0	198.3
	41 Dibromomethane	174.00	16.155	16.155	(1.065)	189794	200.0	195.9
	42 Bromodichloromethane	83.00	16.384	16.384	(1.080)	221244	100.0	105.1
	43 2-Chloroethylvinylether	63.00	16.820	16.820	(1.109)	70527	100.0	107.0
	44 cis-1,3-Dichloropropene	75.00	17.098	17.098	(1.127)	258729	100.0	105.9
$	46 Toluene-d8	98.00	17.536	17.536	(0.871)	346611	100.0	109.0
	47 Toluene	91.00	17.655	17.655	(0.877)	452680	100.0	118.2
	48 trans-1,3-Dichloropropene	75.00	18.022	18.022	(0.895)	214392	100.0	113.4
	4-Methyl-2-pentanone	43.00	17.327	17.327	(0.861)	196027	100.0	185.6 (M)
	Ethylmethacrylate	69.00	18.122	18.122	(0.900)	369174	200.0	214.6
	51 1,1,2-Trichloroethane	97.00	18.360	18.360	(1.210)	115214	100.0	103.2
	52 Tetrachloroethene	164.00	18.599	18.599	(0.924)	123837	100.0	110.9
	53 2-Hexanone	43.00	18.767	18.767	(0.932)	134035	100.0	104.4
	54 Chlorodibromomethane	129.00	19.075	19.075	(1.257)	145549	100.0	103.4
	55 1,2-Dibromoethane	107.00	19.304	19.304	(1.272)	262713	200.0	193.6
*	56 Chlorobenzene-d5	117.00	20.127	20.127	(1.000)	140521	50.00	
	57 Chlorobenzene	112.00	20.187	20.187	(1.003)	285664	100.0	112.8
	58 1,1,1,2-Tetrachloroethane	131.00	20.326	20.326	(1.010)	199748	200.0	206.1
	59 Ethylbenzene	106.00	20.366	20.366	(1.012)	116227	100.0	113.8
	60 m,p-xylene	91.00	20.585	20.585	(1.023)	692249	200.0	225.1
	61 Xylene (total)	91.00	21.349	21.349	(1.061)	369126	100.0	112.1
	62 Styrene	104.00	21.389	21.389	(1.063)	273274	100.0	110.9
	63 Bromoform	173.00	21.786	21.786	(1.436)	106349	100.0	103.2
$	64 Bromofluorobenzene	95.00	22.401	22.401	(1.113)	195678	100.0	106.8
	65 1,2,3-Trichloropropane	75.00	22.799	22.799	(1.133)	321629	200.0	206.9
	66 1,1,2,2-Tetrachloroethane	83.00	22.699	22.699	(1.128)	180040	100.0	111.8
	67 trans-1,4-Dichloro-2-butene	89.00	22.809	22.809	(1.133)	49788	200.0	208.8
	68 Pentachloroethane	167.00	23.990	23.990	(1.192)	133917	200.0	209.9
	69 1,3-Dichlorobenzene	146.00	24.625	24.625	(1.224)	240008	100.0	110.2
	70 1,4-Dichlorobenzene	146.00	24.815	24.815	(1.233)	238481	100.0	110.8
	71 1,2-Dichlorobenzene	146.00	25.588	25.588	(1.271)	227669	100.0	109.9
	72 1,2-dibromo-3-chloropropane	157.00	27.344	27.344	(1.359)	68079	200.0	208.0

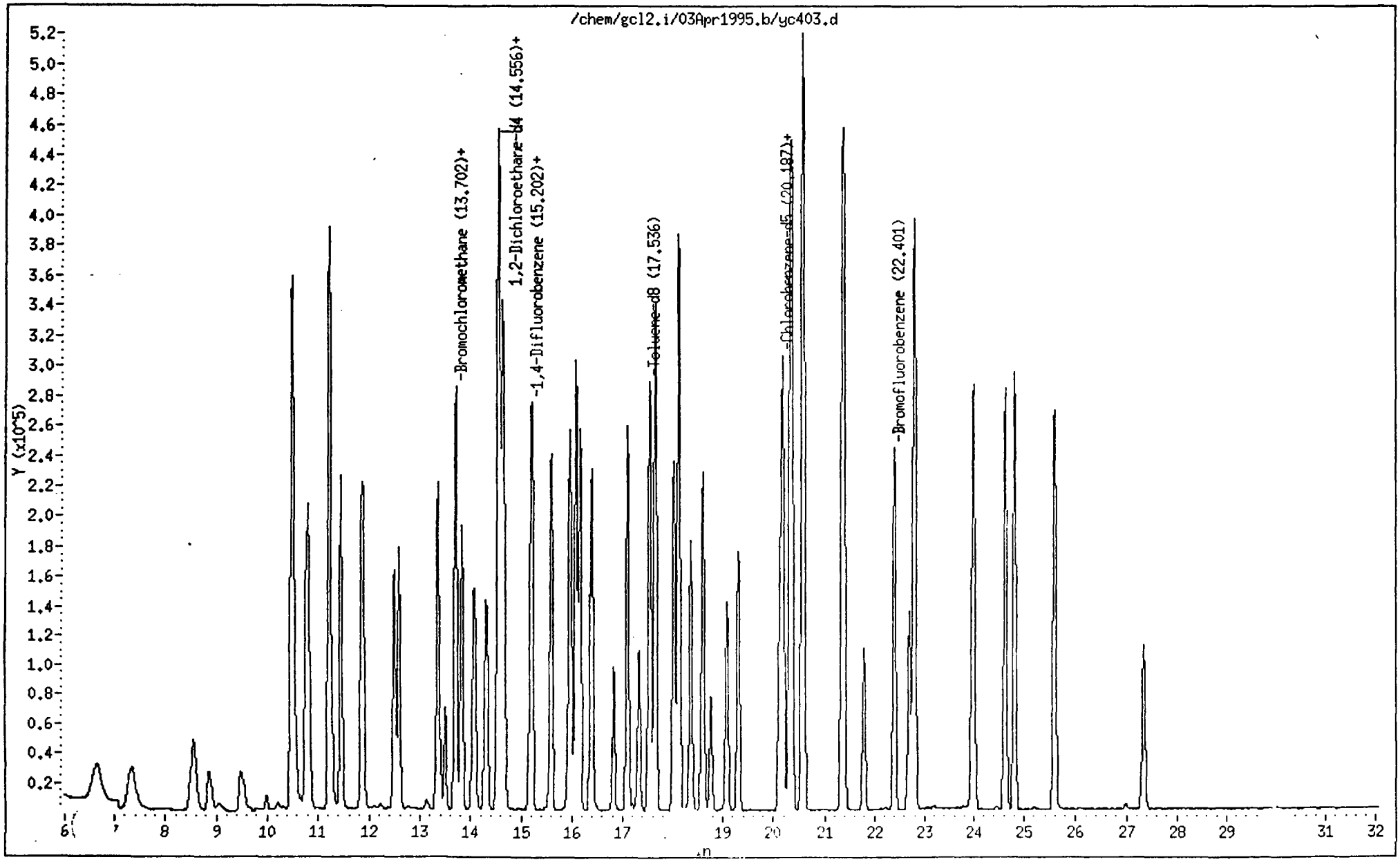
Flag Legend

M - Compound response manually integrated.

Data File: /chem/gcl2.i/03Apr1995.b/yc403.d
Date : 03-APR-1995 13:36
Client ID:
Sample Info: STD100+A+N
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/03Apr1995a.b/yd403.d
Lab Smp Id:
Inj Date : 03-APR-1995 14:21
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD150 BXA403
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS+15ULSS+7.5UL256,257,207,251+6
Comment :
Method : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Meth Date : 03-Apr-1995 20:42 kruedinm Quant Type: ISTD
Cal Date : 03-APR-1995 10:34 Cal File: ya403.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	Dichlorodifluoromethane	85.00	5.400	5.400	(0.394)	285150	150.0	134.4(M)
	Chloromethane	50.00	6.650	6.650	(0.486)	295684	150.0	143.4
3	Vinyl Chloride	62.00	7.334	7.334	(0.536)	271659	150.0	146.5
4	Bromomethane	94.00	8.544	8.544	(0.624)	201680	150.0	146.6
5	Chloroethane	64.00	8.850	8.850	(0.646)	119794	150.0	142.3
6	Trichlorofluoromethane	101.00	9.475	9.475	(0.692)	108388	150.0	89.89
10	Acrolein	56.00	10.477	10.477	(0.765)	883786	6000	5402
11	1,1-Dichloroethene	96.00	10.517	10.517	(0.768)	117702	150.0	133.3(M)
12	Iodomethane	142.00	10.745	10.745	(0.785)	529610	300.0	271.0(M)
13	Acetone	43.00	10.815	10.815	(0.790)	53328	150.0	107.5
14	Carbon Disulfide	76.00	10.795	10.795	(0.788)	510626	150.0	140.6
15	3-Chloropropene	76.00	11.202	11.202	(0.818)	159657	300.0	274.5(M)
16	Acetonitrile	41.00	11.212	11.212	(0.819)	874632	1200	1044(M)
17	Methylene Chloride	84.00	11.430	11.430	(0.835)	189169	150.0	144.4
18	Acrylonitrile	53.00	11.877	11.877	(0.867)	301334	1200	1178
19	1,1-Dichloroethane	63.00	12.482	12.482	(0.912)	452308	150.0	151.7
20	Vinyl acetate	43.00	12.571	12.571	(0.829)	722939	150.0	160.9
21	1,2-Dichloroethene (total)	96.00	13.335	13.335	(0.974)	324081	300.0	267.9(M)
22	cis-1,2-Dichloroethene	96.00	13.335	13.335	(0.974)	215440	150.0	148.7
23	2-Butanone	43.00	13.405	13.405	(0.979)	128540	150.0	139.3
25	Propionitrile	54.00	13.504	13.504	(0.891)	174888	1200	1285(M)
26	Methacrylonitrile	41.00	13.703	13.703	(1.001)	326209	300.0	293.7(M)
* 27	Bromochloromethane	127.80	13.693	13.693	(1.000)	36029	50.00	
28	Chloroform	83.00	13.812	13.812	(1.009)	373748	150.0	148.4
29	1,1,1-Trichloroethane	97.00	14.061	14.061	(0.927)	294136	150.0	148.0
	Carbon Tetrachloride	116.80	14.299	14.299	(0.943)	253634	150.0	148.5
	Isobutanol	43.00	14.587	14.587	(0.962)	607639	12000	11330(M)
$ 33	1,2-Dichloroethane-d4	65.00	14.547	14.547	(1.062)	206242	150.0	135.3
34	Benzene	78.00	14.627	14.627	(0.965)	551907	150.0	138.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35	1,2-Dichloroethane	62.00	14.667	14.667	(1.071)	283336	150.0	143.4
* 36	1,4-Difluorobenzene	114.00	15.163	15.163	(1.000)	179993	50.00	
37	Crotononitrile	67.00	15.213	15.213	(1.003)	153668	1200	1257(M)
38	Trichloroethene	130.00	15.580	15.580	(1.028)	212143	150.0	145.2
39	1,2-Dichloropropane	63.00	15.957	15.957	(1.052)	264237	150.0	152.6
40	Methylmethacrylate	41.00	16.077	16.077	(1.060)	470083	300.0	243.5(M)
41	Dibromomethane	174.00	16.156	16.156	(1.066)	268437	300.0	269.1
42	Bromodichloromethane	83.00	16.385	16.385	(1.081)	319413	150.0	147.4
43	2-Chloroethylvinylether	63.00	16.822	16.822	(1.109)	106798	150.0	157.3
44	cis-1,3-Dichloropropene	75.00	17.100	17.100	(1.128)	372551	150.0	148.1
$ 46	Toluene-d8	98.00	17.537	17.537	(0.871)	501562	150.0	155.8
47	Toluene	91.00	17.656	17.656	(0.877)	625022	150.0	161.1
48	trans-1,3-Dichloropropene	75.00	18.024	18.024	(0.895)	309703	150.0	161.8
49	4-Methyl-2-pentanone	43.00	17.328	17.328	(0.860)	303639	150.0	212.6(M)
50	Ethylmethacrylate	69.00	18.133	18.133	(0.900)	538387	300.0	309.1(M)
51	1,1,2-Trichloroethane	97.00	18.372	18.372	(1.212)	168473	150.0	146.5
52	Tetrachloroethene	164.00	18.610	18.610	(0.924)	173580	150.0	153.5
53	2-Hexanone	43.00	18.779	18.779	(0.932)	206907	150.0	159.1
54	Chlorodibromomethane	129.00	19.087	19.087	(1.259)	214751	150.0	148.1(M)
55	1,2-Dibromoethane	107.00	19.315	19.315	(1.274)	377934	300.0	270.5(M)
*	Chlorobenzene-d5	117.00	20.139	20.139	(1.000)	142288	50.00	
	Chlorobenzene	112.00	20.189	20.189	(1.002)	401718	150.0	156.6
58	1,1,1,2-Tetrachloroethane	131.00	20.338	20.338	(1.010)	262158	300.0	267.1
59	Ethylbenzene	106.00	20.378	20.378	(1.012)	149527	150.0	144.6
60	m,p-xylene	91.00	20.587	20.587	(1.022)	912074	300.0	292.9(M)
61	Xylene (total)	91.00	21.361	21.361	(1.061)	498756	150.0	149.6(M)
62	Styrene	104.00	21.401	21.401	(1.063)	369718	150.0	148.2
63	Bromoform	173.00	21.798	21.798	(1.438)	160615	150.0	151.3
$ 64	Bromofluorobenzene	95.00	22.414	22.414	(1.113)	276758	150.0	149.2(M)
65	1,2,3-Trichloropropane	75.00	22.812	22.812	(1.133)	475630	300.0	302.2
66	1,1,2,2-Tetrachloroethane	83.00	22.712	22.712	(1.128)	262475	150.0	161.0
67	trans-1,4-Dichloro-2-butene	89.00	22.822	22.822	(1.133)	70437	300.0	291.7(M)
68	Pentachloroethane	167.00	23.994	23.994	(1.191)	190219	300.0	294.5(M)
69	1,3-Dichlorobenzene	146.00	24.639	24.639	(1.223)	338869	150.0	153.7
70	1,4-Dichlorobenzene	146.00	24.818	24.818	(1.232)	330020	150.0	151.4
71	1,2-Dichlorobenzene	146.00	25.602	25.602	(1.271)	322000	150.0	153.6
72	1,2-dibromo-3-chloropropane	157.00	27.338	27.338	(1.357)	106624	300.0	321.6

QC Flag Legend

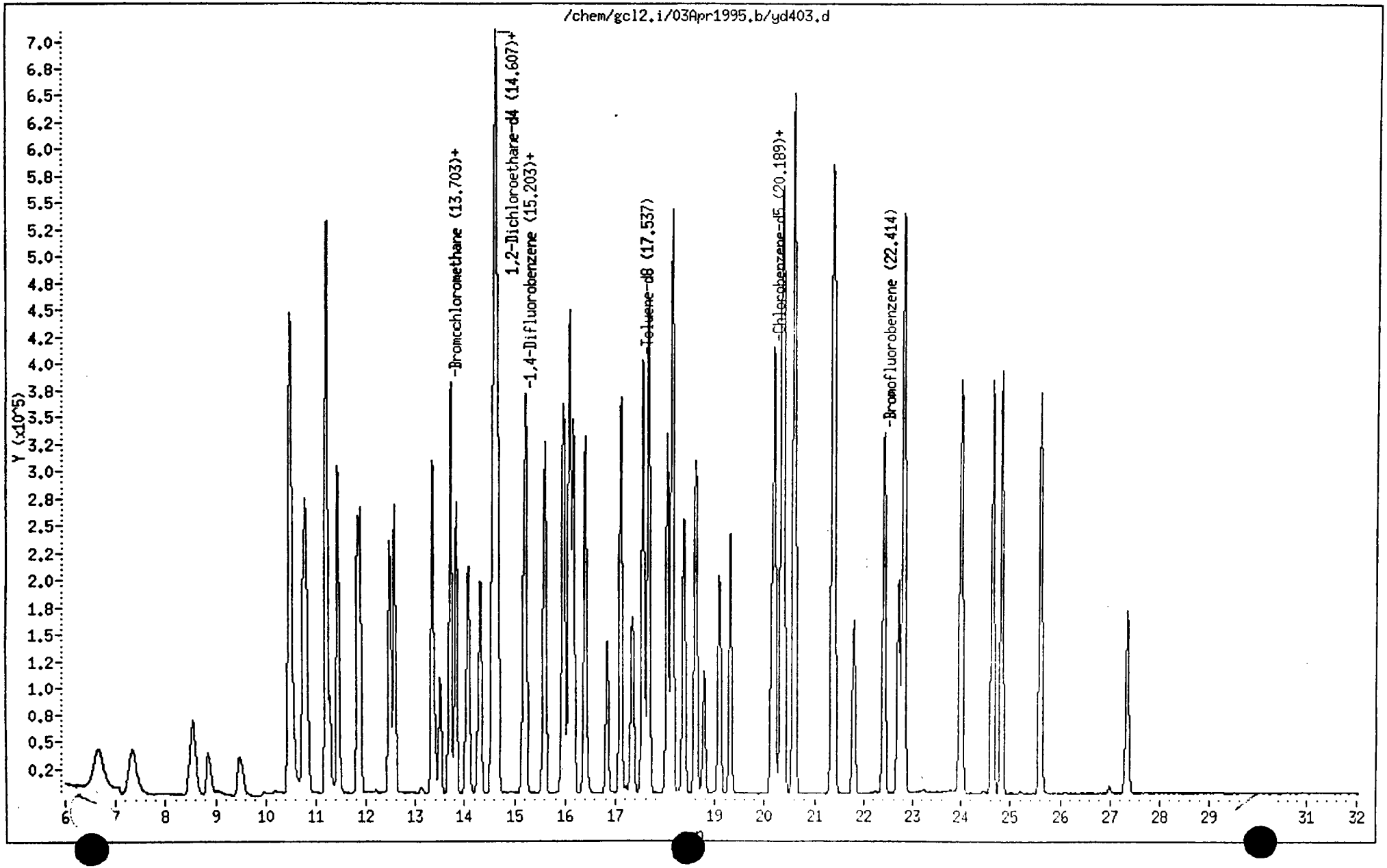
M - Compound response manually integrated.

Data File: /chem/gcl2.i/03Apr1995.b/yd403.d
Date : 03-APR-1995 14:21
Client ID:
Sample Info: STD150 BXA403

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/03Apr1995a.b/ye403.d
Lab Smp Id:
Inj Date : 03-APR-1995 15:06
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD200 BXA403
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS+20ULSS+10UL256,257,207,251+8U
Comment :
Method : /chem/gcl2.i/03Apr1995a.b/8240w2.m
Meth Date : 03-Apr-1995 20:42 kruedinm Quant Type: ISTD
Cal Date : 03-APR-1995 10:34 Cal File: ya403.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	Dichlorodifluoromethane	85.00	5.334	5.334	(0.390)	398302	200.0	184.5 (M)
2	Chloromethane	50.00	6.574	6.574	(0.480)	407484	200.0	194.2
3	Vinyl Chloride	62.00	7.289	7.289	(0.532)	369299	200.0	195.7
4	Bromomethane	94.00	8.509	8.509	(0.622)	270427	200.0	193.2
5	Chloroethane	64.00	8.824	8.824	(0.645)	158965	200.0	185.6
6	Trichlorofluoromethane	101.00	9.449	9.449	(0.690)	148485	200.0	121.0
10	Acrolein	56.00	10.451	10.451	(0.764)	374921	8000	5855
11	1,1-Dichloroethene	96.00	10.491	10.491	(0.766)	135115	200.0	150.3
12	Iodomethane	142.00	10.720	10.720	(0.783)	667643	400.0	335.6 (M)
13	Acetone	43.00	10.809	10.809	(0.790)	73184	200.0	145.0
14	Carbon Disulfide	76.00	10.770	10.770	(0.787)	650156	200.0	176.0
15	3-Chloropropene	76.00	11.186	11.186	(0.817)	197928	400.0	334.4 (M)
16	Acetonitrile	41.00	11.186	11.186	(0.817)	1063527	1600	1248 (M)
17	Methylene Chloride	84.00	11.415	11.415	(0.834)	237336	200.0	178.0
18	Acrylonitrile	53.00	11.871	11.871	(0.867)	377141	1600	1449
19	1,1-Dichloroethane	63.00	12.467	12.467	(0.911)	585128	200.0	192.8
20	Vinyl acetate	43.00	12.566	12.566	(0.829)	973658	200.0	208.8
21	1,2-Dichloroethene (total)	96.00	13.330	13.330	(0.974)	459294	400.0	373.1 (M)
22	cis-1,2-Dichloroethene	96.00	13.330	13.330	(0.974)	279288	200.0	189.4
23	2-Butanone	43.00	13.400	13.400	(0.979)	176546	200.0	188.0
25	Propionitrile	54.00	13.499	13.499	(0.891)	228526	1600	1618 (M)
26	Methacrylonitrile	41.00	13.698	13.698	(1.001)	435765	400.0	385.5 (M)
* 27	Bromochloromethane	127.80	13.688	13.688	(1.000)	36668	50.00	
28	Chloroform	83.00	13.807	13.807	(1.009)	471142	200.0	183.8
29	1,1,1-Trichloroethane	97.00	14.055	14.055	(0.927)	373602	200.0	181.2
	Carbon Tetrachloride	116.80	14.294	14.294	(0.943)	323865	200.0	182.7
	Isobutanol	43.00	14.612	14.612	(0.964)	687334	16000	12350 (M)
$ 33	1,2-Dichloroethane-d4	65.00	14.542	14.542	(1.062)	277893	200.0	179.2
34	Benzene	78.00	14.612	14.612	(0.964)	607848	200.0	147.3

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	35	1,2-Dichloroethane	62.00	14.662	14.662	(1.071)	317869	200.0	158.0
*	36	1,4-Difluorobenzene	114.00	15.158	15.158	(1.000)	186790	50.00	
	37	Crotononitrile	67.00	15.208	15.208	(1.003)	195401	1600	1540(M)
	38	Trichloroethene	130.00	15.575	15.575	(1.028)	264783	200.0	174.6
	39	1,2-Dichloropropane	63.00	15.942	15.942	(1.052)	338549	200.0	188.4
	40	Methylmethacrylate	41.00	16.062	16.062	(1.060)	593045	400.0	296.0(M)
	41	Dibromomethane	174.00	16.141	16.141	(1.065)	321935	400.0	311.0
	42	Bromodichloromethane	83.00	16.380	16.380	(1.081)	404286	200.0	179.8
	43	2-Chloroethylvinylether	63.00	16.807	16.807	(1.109)	143331	200.0	203.5
	44	cis-1,3-Dichloropropene	75.00	17.075	17.075	(1.126)	476671	200.0	182.6
$	46	Toluene-d8	98.00	17.523	17.523	(0.872)	632919	200.0	188.2
	47	Toluene	91.00	17.632	17.632	(0.877)	779076	200.0	192.3
	48	trans-1,3-Dichloropropene	75.00	18.000	18.000	(0.895)	395685	200.0	197.9
	49	4-Methyl-2-pentanone	43.00	17.314	17.314	(0.861)	410195	200.0	220.5(M)
	50	Ethylmethacrylate	69.00	18.109	18.109	(0.901)	663792	400.0	364.8(M)
	51	1,1,2-Trichloroethane	97.00	18.338	18.338	(1.210)	216291	200.0	181.2
	52	Tetrachloroethene	164.00	18.576	18.576	(0.924)	219064	200.0	185.5
	53	2-Hexanone	43.00	18.755	18.755	(0.933)	278368	200.0	204.9
	54	Chlorodibromomethane	129.00	19.063	19.063	(1.258)	278608	200.0	185.1(M)
	55	1,2-Dibromoethane	107.00	19.282	19.282	(1.272)	469982	400.0	324.2(M)
*		Chlorobenzene-d5	117.00	20.105	20.105	(1.000)	148655	50.00	
		Chlorobenzene	112.00	20.165	20.165	(1.003)	508274	200.0	189.7
	58	1,1,1,2-Tetrachloroethane	131.00	20.304	20.304	(1.010)	307706	400.0	300.1
	59	Ethylbenzene	106.00	20.354	20.354	(1.012)	173053	200.0	160.1
	60	m,p-xylene	91.00	20.553	20.553	(1.022)	1087929	400.0	334.4(M)
	61	Xylene (total	91.00	21.318	21.318	(1.060)	613153	200.0	176.0(M)
	62	Styrene	104.00	21.367	21.367	(1.063)	449521	200.0	172.4
	63	Bromoform	173.00	21.765	21.765	(1.436)	213833	200.0	194.1
$	64	Bromofluorobenzene	95.00	22.371	22.371	(1.113)	355275	200.0	183.4(M)
	65	1,2,3-Trichloropropane	75.00	22.769	22.769	(1.132)	577170	400.0	351.0
	66	1,1,2,2-Tetrachloroethane	83.00	22.669	22.669	(1.128)	344168	200.0	202.1
	67	trans-1,4-Dichloro-2-butene	89.00	22.789	22.789	(1.133)	85888	400.0	340.5(M)
	68	Pentachloroethane	167.00	23.961	23.961	(1.192)	235667	400.0	349.2(M)
	69	1,3-Dichlorobenzene	146.00	24.597	24.597	(1.223)	421147	200.0	182.9
	70	1,4-Dichlorobenzene	146.00	24.776	24.776	(1.232)	414455	200.0	182.0
	71	1,2-Dichlorobenzene	146.00	25.560	25.560	(1.271)	401212	200.0	183.1
	72	1,2-dibromo-3-chloropropane	157.00	27.296	27.296	(1.358)	139692	400.0	403.4

QC Flag Legend

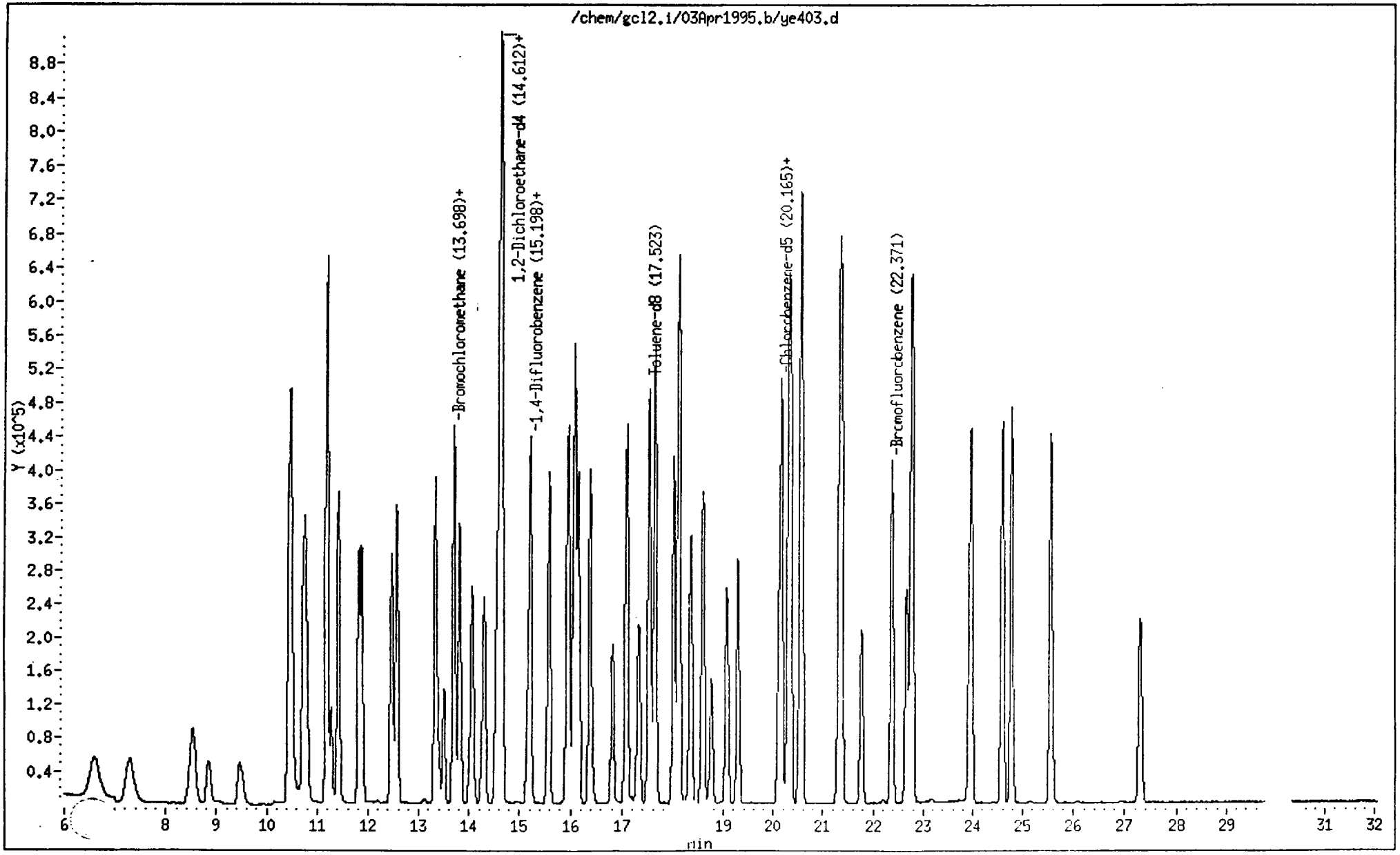
M - Compound response manually integrated.

Data File: /chem/gcl2.i/03Apr1995.b/ye403.d
Date : 03-APR-1995 15:06
Client ID:
Sample Info: STD200 BXA403

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



6A

VOLATILE ORGANICS INTITIAL CALIBRATION DATA

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date(s): 03/29/95 03/29/95

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

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

LAB FILE ID: RRF20+= FOB329 RRF50+= FOC329
RRF100= FOD329 RRF150= FOE329 RRF200= FOG329

COMPOUND		RRF20+	RRF50+	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD	
Chloromethane	#	0.857	0.771	0.740	0.729	0.693	0.758	8.2	#
Bromomethane		1.653	1.562	1.567	1.577	1.383	1.549	6.4	
Vinyl chloride	*	1.048	0.949	0.913	0.895	0.845	0.930	8.2	*
Chloroethane		0.582	0.546	0.543	0.546	0.493	0.542	5.9	
Methylene Chloride		1.713	1.671	1.591	1.500	1.423	1.580	7.6	
Acetone		0.237	0.373	0.399	0.113	0.052	0.235	65.5	
Carbon Disulfide		2.994	2.707	2.562	0.942	1.634	2.168	39.4	
1,1-Dichloroethene	*	1.162	1.057	1.015	0.969	0.871	1.015	10.6	*
1,1-Dichloroethane	#	2.107	1.863	1.870	1.864	1.733	1.887	7.2	#
1,2-Dichloroethene (total)		1.476	1.332	1.246	1.251	1.057	1.272	12.0	
Chloroform	*	2.955	2.882	2.796	2.852	2.472	2.791	6.7	*
1,2-Dichloroethane		1.448	1.514	1.487	1.518	1.355	1.464	4.6	
2-Butanone		0.264	0.553	0.653	0.697	0.367	0.507	36.6	
1,1,1-Trichloroethane		0.627	0.642	0.608	0.622	0.558	0.611	5.3	
Carbon Tetrachloride		0.579	0.591	0.572	0.597	0.528	0.573	4.7	
Vinyl acetate		1.419	1.702	1.752	2.209	1.786	1.774	16.0	
Bromodichloromethane		0.814	0.920	0.903	0.903	0.764	0.861	7.9	
1,2-Dichloropropane	*	0.312	0.339	0.327	0.332	0.294	0.321	5.6	*
cis-1,3-Dichloropropene		0.515	0.589	0.588	0.591	0.507	0.558	7.7	
Trichloroethene		0.468	0.485	0.485	0.486	0.473	0.479	1.8	
Dibromochloromethane		0.603	0.768	0.715	0.620	0.546	0.650	13.8	
1,1,2-Trichloroethane		0.310	0.391	0.377	0.350	0.308	0.347	11.0	
Benzene		0.804	0.829	0.821	0.838	0.747	0.808	4.5	
trans-1,3-Dichloropropene		0.402	0.502	0.506	0.500	0.424	0.467	10.7	
Bromoform	#	0.430	0.596	0.453	0.339	0.285	0.421	28.4	#
4-Methyl-2-pentanone		0.181	0.394	0.472	0.488	0.308	0.369	34.5	
2-Hexanone		0.109	0.275	0.329	0.292	0.202	0.242	36.1	
Tetrachloroethene		0.576	0.836	0.998	0.766	0.629	0.761	22.1	
1,1,2,2-Tetrachloroethane	#	0.594	0.799	0.607	0.664	0.413	0.616	22.7	#
Toluene	*	0.685	0.710	0.758	0.918	0.761	0.766	11.8	*
Chlorobenzene	#	0.919	0.942	0.921	0.973	0.906	0.932	2.8	#
Ethylbenzene	*	0.384	0.376	0.360	0.392	0.349	0.372	4.7	*
Styrene		0.834	0.856	0.758	0.730	0.657	0.767	10.5	
Xylene (total)		1.086	1.070	0.915	0.901	0.813	0.957	12.3	
Acrolein		4.188	7.204	8.218	7.422	5.103	6.427	26.5	
Acrylonitrile		1.010	1.966	2.359	2.512	1.594	1.888	32.1	
Trichlorofluoromethane		3.214	2.676	2.624	2.594	2.474	2.716	10.6	

6C

VOLATILE ORGANICS INTITIAL CALIBRATION DATA

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date(s): 03/29/95 03/29/95

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

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

LAB FILE ID: RRF20+= FOB329 RRF50+= FOC329
RRF100= FOD329 RRF150= FOE329 RRF200= FOG329

COMPOUND	RRF20+	RRF50+	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.362	2.126	2.026	1.915	1.872	2.060	9.5
Acetonitrile	3.329	3.088	3.100	2.678	2.498	2.939	11.6
Iodomethane	.7113	7.517	7.260	4.955	3.445	6.778	40.9
Propionitrile (Ethyl Cyanide)	0.092	0.229	0.296	0.293	0.151	0.212	42.1
3-Chloropropene	1.275	1.058	1.020	0.939	0.864	1.031	15.1
Methacrylonitrile	0.770	1.017	1.163	1.260	0.791	1.000	21.8
Dibromomethane	1.044	1.066	1.122	1.146	0.907	1.057	8.8
Isobutyl alcohol	0.515	1.210	1.013	0.711	0.293	0.748	49.4
1,2-Dibromoethane	1.816	1.844	2.068	2.298	1.842	1.974	10.5
1,1,1,2-Tetrachloroethane	1.484	1.097	0.920	0.904	0.793	1.040	26.1
1,2,3-Trichloropropane	1.404	1.569	1.370	1.225	0.796	1.273	23.0
trans-1,4-Dichloro-2-butene	0.089	0.250	0.239	0.204	0.138	0.184	37.5
1,2-Dibromo-3-chloropropane	0.389	0.227	0.162	0.096	0.089	0.193	63.9
2-Chloro-1,3-Butadiene							
Methylmethacrylate	0.590	0.778	0.843	0.866	0.600	0.735	18.0
Ethylmethacrylate	0.806	0.952	0.973	0.888	0.686	0.861	13.7
Pentachloroethane	1.060	0.369	0.168	0.327	0.246	0.434	82.6
Toluene-d8	1.082	1.132	1.190	1.486	1.329	1.244	13.2
4-Bromofluorobenzene	0.892	0.911	0.729	0.647	0.667	0.769	16.2
1,2-Dichloroethane-d4	1.305	1.404	1.364	1.387	1.275	1.347	4.1

Response Factor Report inst #6

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Mar 29 17:52:15 1995
Response via : Continuing Calibration

Calibration Files
1 =FOB329.D 2 =FOC329.D 3 =FOD329.D
4 =FOE329.D 5 =FOG329.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)		Dichlorodifluorometha	2.362	2.126	2.026	1.915	1.872	2.1	9.51
3)	T	Chloromethane	0.857	0.771	0.740	0.729	0.693	0.8	8.17
4)	T	Bromomethane	1.653	1.563	1.567	1.577	1.383	1.5	6.43
5)	T	Vinyl Chloride	1.048	0.949	0.913	0.895	0.845	0.9	8.18
6)	T	Chloroethane	0.582	0.546	0.543	0.546	0.493	0.5	5.89
7)		Trichlorofluoromethan	3.214	2.676	2.624	2.594	2.474	2.7	10.60
8)		Acrolein	0.105	0.180	0.205	0.186	0.128	0.2	26.46
9)		Iodomethane	4.285	3.758	3.630	2.478	1.722	3.2	32.94
10)	T	Acetone	0.237	0.373	0.399	0.113	0.051	0.2	65.51
11)	T	Carbon Disulfide	2.994	2.707	2.562	0.942	1.634	2.2	39.38
12)	M	1,1-Dichloroethene	1.162	1.057	1.015	0.969	0.871	1.0	10.59
13)	I	Methylene Chloride	1.713	1.671	1.591	1.500	1.423	1.6	7.56
14)		3-Chloropropene	0.510	0.529	0.510	0.470	0.432	0.5	7.97
15)		Acetonitrile	0.416	0.386	0.387	0.335	0.312	0.4	11.57
16)		Acrylonitrile	0.126	0.246	0.295	0.314	0.199	0.2	32.14
17)		Vinyl Acetate	1.419	1.702	1.752	2.209	1.786	1.8	15.96
18)	T	1,1-Dichloroethane	2.107	1.863	1.870	1.864	1.733	1.9	7.18
19)	T	1,2-Dichloroethene (t	1.476	1.332	1.246	1.251	1.057	1.3	11.94
20)		Methacrylonitrile	0.308	0.508	0.581	0.630	0.396	0.5	27.33
21)		2-Butanone	0.264	0.553	0.653	0.697	0.367	0.5	36.64
22)	T	Chloroform	2.955	2.882	2.796	2.852	2.472	2.8	6.72
23)	S	1,2-Dichloroethane-d4	1.305	1.404	1.364	1.387	1.275	1.3	4.09
24)	T	1,2-Dichloroethane	1.448	1.514	1.487	1.519	1.355	1.5	4.61
25)	I	1,4-Difluorobenzene	----------ISTD----------						
26)		Propionitrile	0.012	0.029	0.037	0.037	0.019	0.0	42.13
27)	T	1,1,1-Trichloroethane	0.627	0.642	0.608	0.622	0.558	0.6	5.26
28)	T	Carbon Tetrachloride	0.579	0.591	0.572	0.597	0.528	0.6	4.73
29)	T	Bromodichloromethane	0.814	0.920	0.903	0.903	0.764	0.9	7.91
30)		Isobutanol	0.006	0.015	0.013	0.009	0.004	0.0	49.38
31)		Crotononitrile	0.014	0.032	0.040	0.040	0.024	0.0	37.12
32)	T	1,2-Dichloropropane	0.312	0.339	0.327	0.332	0.294	0.3	5.63
33)	T	cis-1,3-Dichloroprope	0.515	0.589	0.588	0.591	0.507	0.6	7.72
34)	M	Trichloroethene	0.468	0.485	0.485	0.486	0.473	0.5	1.75
35)	M	Benzene	0.804	0.829	0.821	0.838	0.747	0.8	4.48
36)		Methylmethacrylate	0.236	0.389	0.421	0.433	0.300	0.4	23.86
37)		Dibromomethane	0.418	0.533	0.561	0.573	0.454	0.5	13.51
38)		Ethylmethacrylate	0.323	0.476	0.486	0.444	0.343	0.4	18.47
39)	T	Dibromochloromethane	0.603	0.768	0.715	0.620	0.546	0.7	13.80
40)	T	trans-1,3-Dichloropro	0.402	0.502	0.506	0.500	0.424	0.5	10.67
41)	T	1,1,2-Trichloroethane	0.310	0.391	0.377	0.350	0.308	0.3	10.97

(#) = Out of Range

Response Factor Report inst #6

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Mar 29 17:52:15 1995
Response via : Continuing Calibration

Calibration Files
1 =FOB329.D 2 =FOC329.D 3 =FOD329.D
4 =FOE329.D 5 =FOG329.D

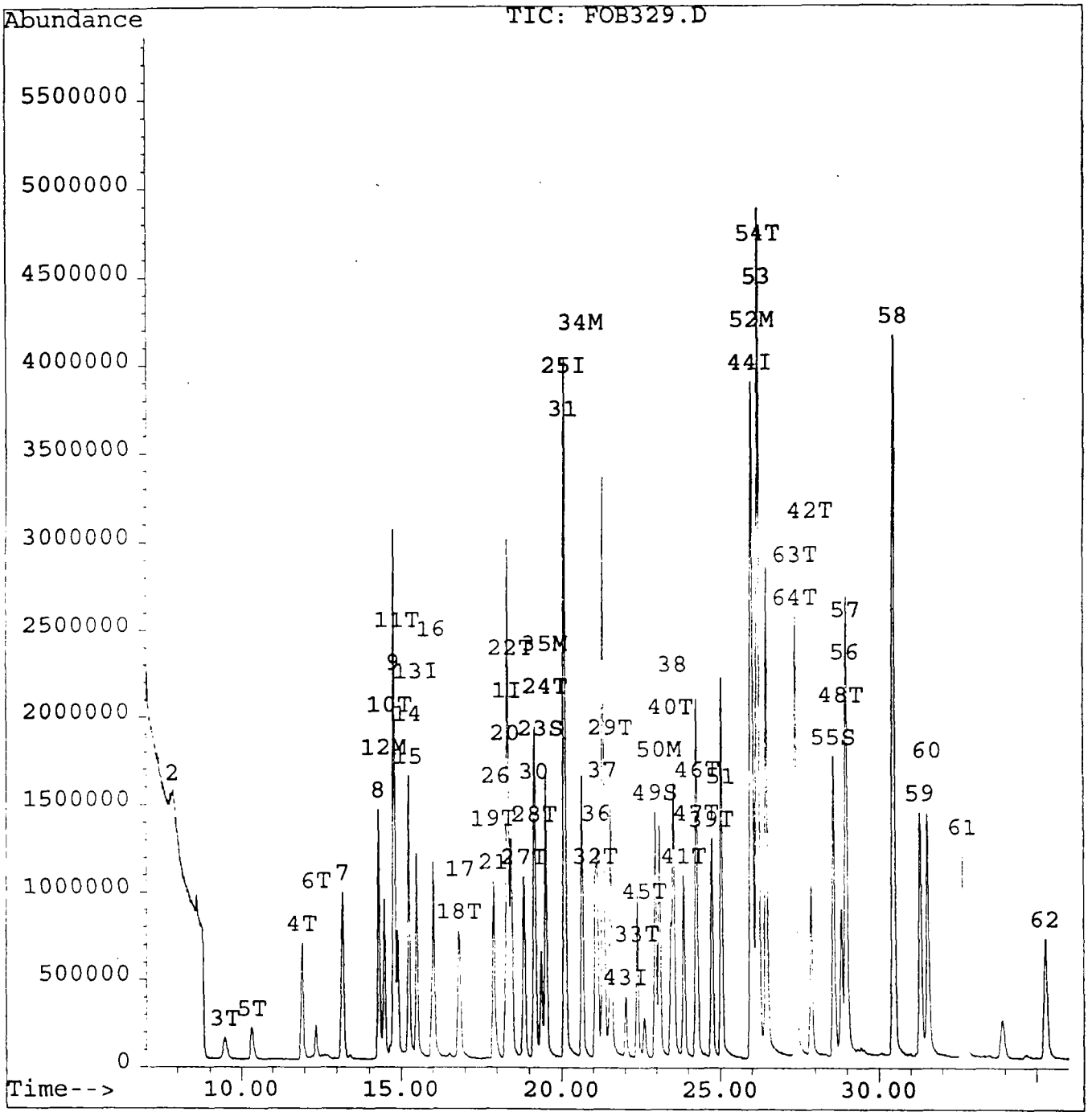
		Compound	1	2	3	4	5	Avg	%RSD
42)	T	Bromoform	0.430	0.597	0.453	0.339	0.285	0.4	28.42
43)	I	2-Chloroethylvinyleth	0.140	0.211	0.226	0.224	0.179	0.2	18.66
44)	I	Chlorobenzene-d5	----------ISTD----------						
45)	T	4-Methyl-2-Pentanone	0.181	0.394	0.472	0.489	0.308	0.4	34.45
46)	T	2-Hexanone	0.109	0.275	0.329	0.293	0.202	0.2	36.11
47)	T	Tetrachloroethene	0.576	0.836	0.998	0.766	0.629	0.8	22.12
48)	T	1,1,2,2-Tetrachloroet	0.594	0.799	0.607	0.664	0.413	0.6	22.66
49)	S	Toluene-d8	1.082	1.132	1.190	1.486	1.329	1.2	13.18
50)	M	Toluene	0.685	0.711	0.758	0.918	0.761	0.8	11.82
51)		1,2-Dibromoethane	0.727	0.922	1.034	1.149	0.921	1.0	16.49
52)	M	Chlorobenzene	0.919	0.942	0.921	0.973	0.906	0.9	2.79
53)		1,1,1,2-Tetrachloroet	0.594	0.548	0.460	0.452	0.397	0.5	16.19
54)	T	Ethylbenzene	0.384	0.377	0.360	0.392	0.349	0.4	4.71
55)	S	Bromofluorobenzene	0.892	0.911	0.729	0.647	0.667	0.8	16.20
56)		trans-1,4-Dichloro-2-	0.035	0.125	0.120	0.102	0.069	0.1	41.72
57)		1,2,3-Trichloropropan	0.561	0.785	0.685	0.612	0.398	0.6	23.73
		Pentachloroethane	0.424	0.185	0.084	0.163	0.123	0.2	68.13
59)		1,3-Dichlorobenzene	0.832	0.741	0.453	0.363	0.370	0.6	39.74
60)		1,4-Dichlorobenzene	0.909	0.815	0.488	0.416	0.357	0.6	41.67
61)		1,2-Dichlorobenzene	0.787	0.604	0.305	0.273	0.272	0.4	52.44
62)		1,2-Dibromo-3-chlorop	0.155	0.113	0.081	0.048	0.044	0.1	52.79
63)	T	Styrene	0.835	0.856	0.758	0.729	0.657	0.8	10.52
64)	T	Xylene (total)	1.087	1.070	0.915	0.901	0.813	1.0	12.29

(#) = Out of Range

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOB329.D Vial: 3
Acq On : 29 Mar 95 1:02 pm Operator:
Sample : STD20++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+2ULSS+1UL242,24 Multiplr: 1.00
Quant Time: Mar 29 13:54 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOB329.D Vial: 3
Acq On : 29 Mar 95 1:02 pm Operator:
Sample : STD20++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+2ULSS+1UL242,24 Multiplr: 1.00
Quant Time: Mar 29 13:54 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.35	128	1890729	50.00	ug/l		0.06
25) 1,4-Difluorobenzene	20.11	114	7428115	50.00	ug/l		0.05
44) Chlorobenzene-d5	25.98	117	5918835	50.00	ug/l		-0.03
System Monitoring Compounds							**%Recovery**
23) 1,2-Dichloroethane-d4	19.37	65	986877	19.89	ug/l		39.77%
49) Toluene-d8	22.96	98	2561078	21.37	ug/l		42.75%
55) Bromofluorobenzene	28.58	95	2112824	20.02	ug/l		40.03%
Target Compounds							**Qvalue**
2) Dichlorodifluoromethane	7.86	85	1786432	99.08	ug/l	m	79
3) Chloromethane	9.48	50	647852	41.70	ug/l	m	93
4) Bromomethane	11.92	94	1250317	28.81	ug/l		98
5) Vinyl Chloride	10.34	62	792795	36.57	ug/l		98
6) Chloroethane	12.37	64	440373	28.15	ug/l		96
7) Trichlorofluoromethane	13.17	101	2430642	27.85	ug/l		100
8) Acrolein	14.29	56	3166957	558.76	ug/l		94
9) Iodomethane	14.78	142	8100857	48.88	ug/l		99
10) Acetone	14.66	43	179361	12.36	ug/l	m	97
11) Carbon Disulfide	14.90	76	2264409	18.83	ug/l		100
12) 1,1-Dichloroethene	14.48	96	878570	19.42	ug/l		97
13) Methylene Chloride	15.48	84	1295579	18.82	ug/l		91
14) 3-Chloropropene	15.25	76	964608	43.63	ug/l	#	62
15) Acetonitrile	15.25	41	2517986	155.68	ug/l	#	86
16) Acrylonitrile	15.96	53	764076	81.13	ug/l		94
17) Vinyl Acetate	16.86	43	1073457	12.62	ug/l	#	93
18) 1,1-Dichloroethane	16.81	63	1593673	19.22	ug/l		99
19) 1,2-Dichloroethene (total)	17.90	96	2232267	40.39	ug/l	m	99
20) Methacrylonitrile	18.26	41	582387	29.46	ug/l	#	88
21) 2-Butanone	17.89	43	200004	9.56	ug/l	m	0
22) Chloroform	18.45	83	2234945	19.16	ug/l		97
24) 1,2-Dichloroethane	19.50	62	1095355	17.03	ug/l		99
26) Propionitrile	17.99	54	274230	69.68	ug/l	#	89
27) 1,1,1-Trichloroethane	18.83	97	1863206	17.97	ug/l		100
28) Carbon Tetrachloride	19.15	117	1720103	18.67	ug/l		98
29) Bromodichloromethane	21.55	83	2419398	16.95	ug/l		100
30) Isobutanol	19.16	43	1529235	644.67	ug/l		100
31) Crotononitrile	20.08	67	333021	69.98	ug/l		83
32) 1,2-Dichloropropane	21.07	63	926252	17.21	ug/l		97
33) cis-1,3-Dichloropropene	22.40	75	1529385	16.62	ug/l		97
34) Trichloroethene	20.65	130	1390292	18.78	ug/l		97
35) Benzene	19.51	78	2388530	18.20	ug/l		100
36) Methylmethacrylate	21.13	41	1751980	28.49	ug/l		94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOB329.D Vial: 3
Acq On : 29 Mar 95 1:02 pm Operator:
Sample : STD20++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+2ULSS+1UL242,24 Multiplr: 1.00
Quant Time: Mar 29 13:54 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

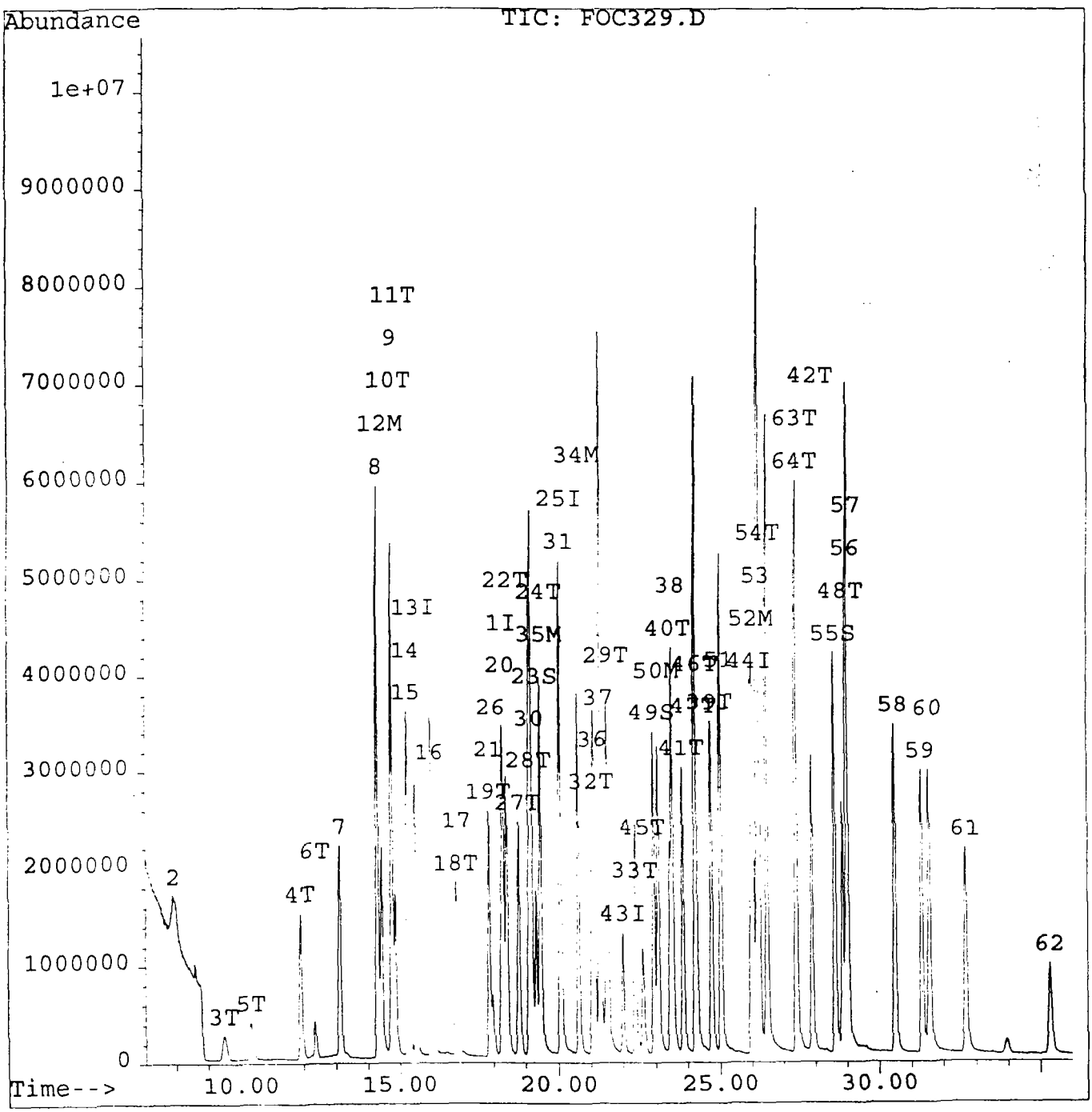
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Dibromomethane	21.32	174	3102202	37.40	ug/l		86
38)	Ethylmethacrylate	23.54	69	2395787	29.34	ug/l		88
39)	Dibromochloromethane	24.74	129	1791779	14.87	ug/l		99
40)	trans-1,3-Dichloropropene	23.46	75	1195262	14.94	ug/l		97
41)	1,1,2-Trichloroethane	23.86	97	919966	14.66	ug/l		98
42)	Bromoform	27.87	173	1276164	12.34	ug/l		99
43)	2-Chloroethylvinylether	22.02	63	415330	12.10	ug/l		92
45)	4-Methyl-2-Pentanone	22.62	43	428605	8.83	ug/l		97
46)	2-Hexanone	24.30	43	258929	7.55	ug/l		96
47)	Tetrachloroethene	24.25	164	1364290	19.45	ug/l		98
48)	1,1,2,2-Tetrachloroethane	28.83	83	1406583	12.54	ug/l		98
50)	Toluene	23.10	92	1622604	18.81	ug/l		93
51)	1,2-Dibromoethane	25.03	107	4300132	35.55	ug/l		96
52)	Chlorobenzene	26.04	112	2175703	18.51	ug/l		99
53)	1,1,1,2-Tetrachloroethane	26.18	131	3514117	47.15	ug/l		96
54)	Ethylbenzene	26.22	106	910263	19.37	ug/l	#	82
56)	trans-1,4-Dichloro-2-buten	28.95	89	209712	12.05	ug/l	#	1
57)	1,2,3-Trichloropropane	28.98	75	3322838	29.68	ug/l		99
58)	Pentachloroethane	30.46	167	2510167	53.96	ug/l		87
59)	1,3-Dichlorobenzene	31.30	146	1969783	18.81	ug/l		99
60)	1,4-Dichlorobenzene	31.54	146	2152685	18.63	ug/l	m	99
61)	1,2-Dichlorobenzene	32.65	146	1862579	20.52	ug/l		98
62)	1,2-Dibromo-3-chloropropan	35.28	157	919923	42.70	ug/l		88
63)	Styrene	27.39	104	1975810	18.43	ug/l		94
64)	Xylene (total)	27.38	91	2572351	19.28	ug/l		97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOC329.D Vial: 4
Acq On : 29 Mar 95 1:43 pm Operator:
Sample : STD50++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+5ULSS+2.5UL242, Multiplr: 1.00
Quant Time: Mar 29 14:33 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOC329.D Vial: 4
Acq On : 29 Mar 95 1:43 pm Operator:
Sample : STD50++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+5ULSS+2.5UL242, Multiplr: 1.00
Quant Time: Mar 29 14:33 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.31	128	1932850	50.00	ug/l		0.02
25) 1,4-Difluorobenzene	20.07	114	6783624	50.00	ug/l		0.02
44) Chlorobenzene-d5	25.99	117	5559890	50.00	ug/l		-0.02
System Monitoring Compounds							**%Recovery**
23) 1,2-Dichloroethane-d4	19.33	65	2714156	53.50	ug/l		107.00%
49) Toluene-d8	22.94	98	6292720	55.91	ug/l		111.82%
55) Bromofluorobenzene	28.61	95	5062763	51.06	ug/l		102.12%
Target Compounds							**Qvalue**
2) Dichlorodifluoromethane	7.93	85	4110026	222.97	ug/l	m	88
3) Chloromethane	9.50	50	1490264	93.84	ug/l		67
4) Bromomethane	11.91	94	3020150	68.07	ug/l		99
5) Vinyl Chloride	10.33	62	1834945	82.80	ug/l		96
6) Chloroethane	12.36	64	1055245	65.98	ug/l		97
7) Trichlorofluoromethane	13.13	101	5171350	57.96	ug/l		100
8) Acrolein	14.29	56	13924572	2403.23	ug/l		95
9) Iodomethane	14.76	142	14528374	85.75	ug/l		99
10) Acetone	14.71	43	720830	48.60	ug/l		99
11) Carbon Disulfide	14.87	76	5232934	42.57	ug/l		100
12) 1,1-Dichloroethene	14.44	96	2042704	44.16	ug/l		98
13) Methylene Chloride	15.51	84	3229912	45.89	ug/l		91
14) 3-Chloropropene	15.24	76	2045122	90.49	ug/l	#	72
15) Acetonitrile	15.24	41	5969531	361.04	ug/l	#	82
16) Acrylonitrile	15.99	53	3799807	394.69	ug/l		94
17) Vinyl Acetate	16.86	43	3290123	37.84	ug/l		94
18) 1,1-Dichloroethane	16.80	63	3600393	42.48	ug/l		97
19) 1,2-Dichloroethene (total)	17.87	96	5150630	91.15	ug/l	m	97
20) Methacrylonitrile	18.25	41	1965609	97.27	ug/l	#	90
21) 2-Butanone	17.89	43	1068647	49.95	ug/l	m	1
22) Chloroform	18.42	83	5570014	46.71	ug/l		99
24) 1,2-Dichloroethane	19.47	62	2926825	44.51	ug/l		98
26) Propionitrile	17.98	54	1555486	432.80	ug/l	#	98
27) 1,1,1-Trichloroethane	18.79	97	4355992	45.99	ug/l		99
28) Carbon Tetrachloride	19.11	117	4011058	47.68	ug/l		94
29) Bromodichloromethane	21.54	83	6241322	47.89	ug/l		100
30) Isobutanol	19.17	43	8206088	3788.06	ug/l		98
31) Crotononitrile	20.07	67	1761631	405.37	ug/l	#	77
32) 1,2-Dichloropropane	21.05	63	2300983	46.82	ug/l		98
33) cis-1,3-Dichloropropene	22.38	75	3994669	47.52	ug/l		95
34) Trichloroethene	20.63	130	3292435	48.70	ug/l		98
35) Benzene	19.47	78	5625450	46.93	ug/l		100
36) Methylmethacrylate	21.12	41	5274694	93.93	ug/l		95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOC329.D Vial: 4
Acq On : 29 Mar 95 1:43 pm Operator:
Sample : STD50++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+5ULSS+2.5UL242, Multiplr: 1.00
Quant Time: Mar 29 14:33 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

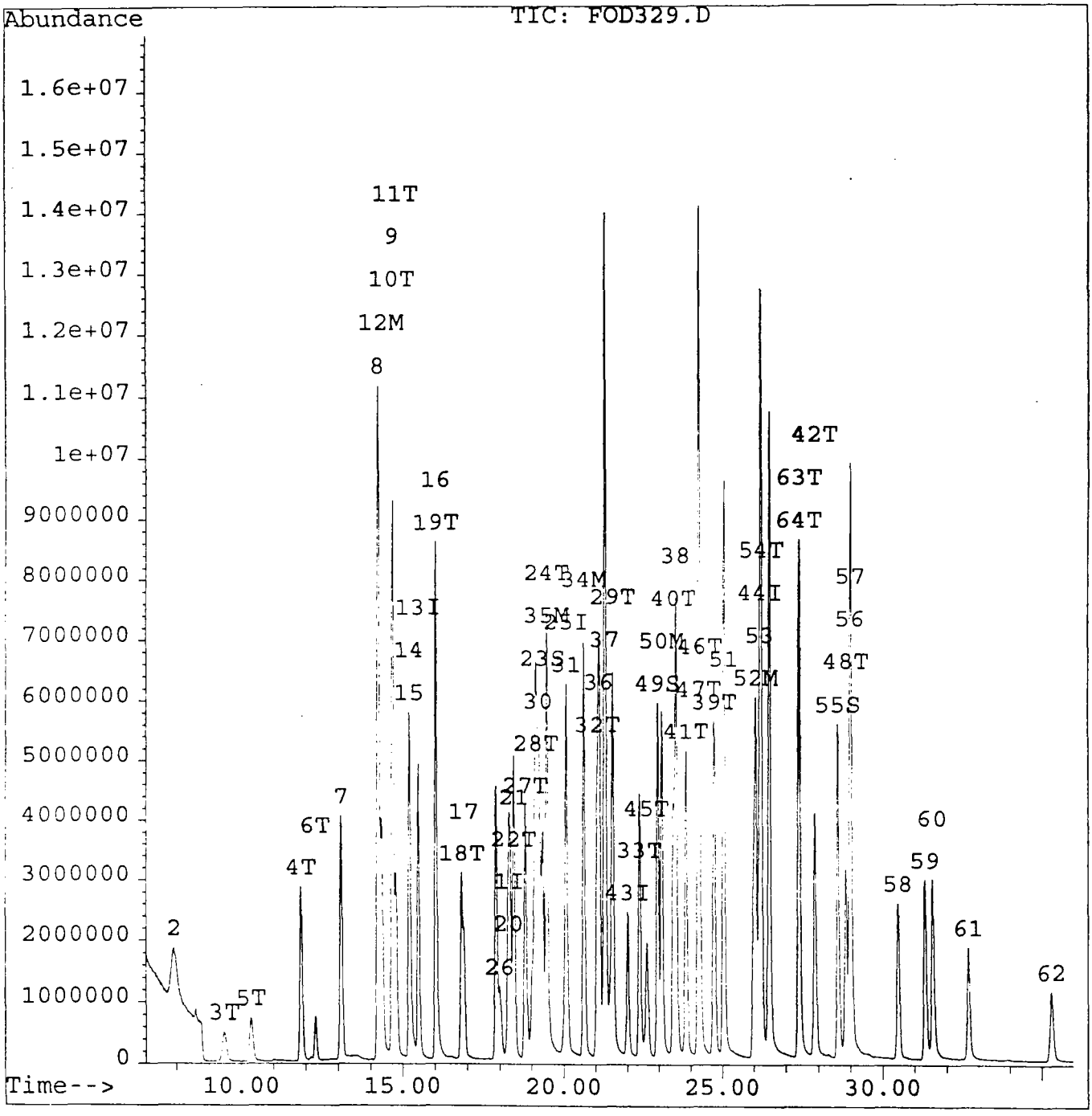
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Dibromomethane	21.30	174	7229851	95.45	ug/l		84
38)	Ethylmethacrylate	23.53	69	6459461	86.64	ug/l		90
39)	Dibromochloromethane	24.74	129	5212977	47.37	ug/l		94
40)	trans-1,3-Dichloropropene	23.45	75	3404335	46.58	ug/l		96
41)	1,1,2-Trichloroethane	23.86	97	2654372	46.32	ug/l		98
42)	Bromoform	27.90	173	4046513	42.83	ug/l		97
43)	2-Chloroethylvinylether	22.00	63	1430388	45.63	ug/l		93
45)	4-Methyl-2-Pentanone	22.61	43	2188789	48.01	ug/l		99
46)	2-Hexanone	24.29	43	1527270	47.40	ug/l		97
47)	Tetrachloroethene	24.24	164	4646456	70.52	ug/l		98
48)	1,1,2,2-Tetrachloroethane	28.86	83	4444360	42.18	ug/l		99
50)	Toluene	23.08	92	3950532	48.75	ug/l		95
51)	1,2-Dibromoethane	25.03	107	10254742	90.25	ug/l		96
52)	Chlorobenzene	26.05	112	5237840	47.45	ug/l		99
53)	1,1,1,2-Tetrachloroethane	26.19	131	6097914	87.10	ug/l		96
54)	Ethylbenzene	26.24	106	2093382	47.43	ug/l	#	75
56)	trans-1,4-Dichloro-2-buten	28.99	89	1391055	85.11	ug/l	#	50
57)	1,2,3-Trichloropropane	29.00	75	8723797	82.96	ug/l		96
58)	Pentachloroethane	30.49	167	2053823	47.00	ug/l		88
59)	1,3-Dichlorobenzene	31.33	146	4121980	41.91	ug/l		98
60)	1,4-Dichlorobenzene	31.57	146	4529406	41.73	ug/l	m	99
61)	1,2-Dichlorobenzene	32.68	146	3360078	39.42	ug/l		96
62)	1,2-Dibromo-3-chloropropan	35.30	157	1261889	62.35	ug/l		88
63)	Styrene	27.41	104	4759963	47.28	ug/l		96
64)	Xylene (total)	27.40	91	5951479	47.49	ug/l		94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOD329.D Vial: 5
Acq On : 29 Mar 95 2:24 pm Operator:
Sample : STD100++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+10ULSS+5UL242,2 Multiplr: 1.00
Quant Time: Mar 29 15:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOD329.D Vial: 5
Acq On : 29 Mar 95 2:24 pm Operator:
Sample : STD100++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+10ULSS+5UL242,2 Multiplr: 1.00
Quant Time: Mar 29 15:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.31	128	1829943	50.00	ug/l		0.02
25) 1,4-Difluorobenzene	20.08	114	6299452	50.00	ug/l		0.02
44) Chlorobenzene-d5	26.19	117	6186236	50.00	ug/l		0.18
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.33	65	4993254	103.96	ug/l		207.92%
49) Toluene-d8	22.94	98	11109907	88.71	ug/l		177.42%
55) Bromofluorobenzene	28.60	95	6802702	61.66	ug/l		123.32%
Target Compounds							Qvalue
2) Dichlorodifluoromethane	7.92	85	7413534	424.81	ug/l	#	70
3) Chloromethane	9.46	50	2707395	180.07	ug/l		71
4) Bromomethane	11.86	94	5735898	136.54	ug/l		99
5) Vinyl Chloride	10.29	62	3339913	159.18	ug/l		98
6) Chloroethane	12.29	64	1986699	131.20	ug/l		98
7) Trichlorofluoromethane	13.09	101	9604857	113.70	ug/l		99
8) Acrolein	14.23	56	30077555	5482.97	ug/l		97
9) Iodomethane	14.69	142	26572034	165.66	ug/l		99
10) Acetone	14.68	43	1459118	103.90	ug/l		100
11) Carbon Disulfide	14.80	76	9377461	80.58	ug/l		100
12) 1,1-Dichloroethene	14.35	96	3715745	84.85	ug/l		98
13) Methylene Chloride	15.48	84	5822177	87.37	ug/l		90
14) 3-Chloropropene	15.21	76	3732913	174.46	ug/l	#	77
15) Acetonitrile	15.21	41	11344439	724.69	ug/l	#	81
16) Acrylonitrile	16.03	53	8633123	947.16	ug/l		93
17) Vinyl Acetate	16.90	43	6410422	77.87	ug/l		95
18) 1,1-Dichloroethane	16.82	63	6843660	85.28	ug/l		98
19) 1,2-Dichloroethene (total)	16.02	96	9119155	170.46	ug/l	m	98
20) Methacrylonitrile	18.25	41	4255714	222.44	ug/l		89
21) 2-Butanone	18.45	43	17807	0.88	ug/l	#	1
22) Chloroform	18.42	83	10233501	90.65	ug/l		99
24) 1,2-Dichloroethane	19.47	62	5440625	87.39	ug/l		99
26) Propionitrile	17.99	54	3726523	1116.56	ug/l	#	99
27) 1,1,1-Trichloroethane	18.79	97	7657562	87.06	ug/l		100
28) Carbon Tetrachloride	19.11	117	7212760	92.33	ug/l		96
29) Bromodichloromethane	21.53	83	11372643	93.97	ug/l		100
30) Isobutanol	19.21	43	12766975	6346.41	ug/l		95
31) Crotononitrile	20.07	67	4049369	1003.42	ug/l	#	76
32) 1,2-Dichloropropane	21.05	63	4114452	90.15	ug/l		96
33) cis-1,3-Dichloropropene	22.37	75	7411313	94.94	ug/l		96
34) Trichloroethene	20.62	130	6111585	97.36	ug/l		97
35) Benzene	19.47	78	10348043	92.96	ug/l		100
36) Methylmethacrylate	21.10	41	10620607	203.66	ug/l		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOD329.D Vial: 5
Acq On : 29 Mar 95 2:24 pm Operator:
Sample : STD100++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+10ULSS+5UL242,2 Multiplr: 1.00
Quant Time: Mar 29 15:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

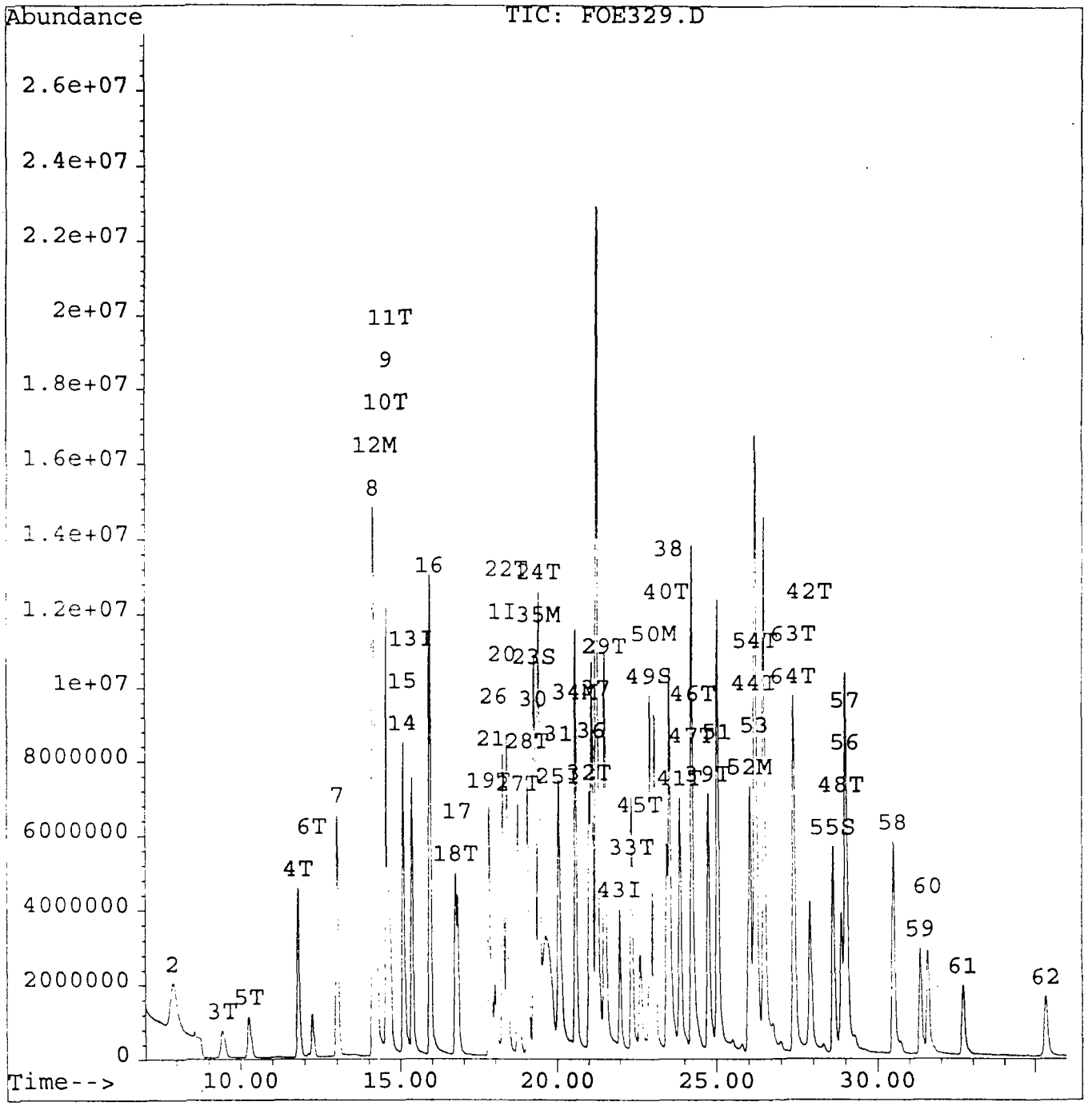
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Dibromomethane	21.29	174	14134533	200.95	ug/l		83
38)	Ethylmethacrylate	23.52	69	12253490	176.98	ug/l		90
39)	Dibromochloromethane	24.73	129	9011652	88.19	ug/l		95
40)	trans-1,3-Dichloropropene	23.43	75	6378584	93.99	ug/l		96
41)	1,1,2-Trichloroethane	23.85	97	4744631	89.16	ug/l		100
42)	Bromoform	27.89	173	5710750	65.10	ug/l		99
43)	2-Chloroethylvinylether	22.00	63	2843542	97.69	ug/l		93
45)	4-Methyl-2-Pentanone	22.60	43	4403260	86.81	ug/l		98
46)	2-Hexanone	24.29	43	3073975	85.75	ug/l		99
47)	Tetrachloroethene	24.23	164	9312545	127.02	ug/l		97
48)	1,1,2,2-Tetrachloroethane	28.85	83	5669129	48.35	ug/l		98
50)	Toluene	23.08	92	7074064	78.46	ug/l		96
51)	1,2-Dibromoethane	25.03	107	19307406	152.71	ug/l		95
52)	Chlorobenzene	26.05	112	8595296	69.98	ug/l		99
53)	1,1,1,2-Tetrachloroethane	26.19	131	8590698	110.28	ug/l		95
54)	Ethylbenzene	26.23	106	3356159	68.34	ug/l	m	58
56)	trans-1,4-Dichloro-2-buten	28.98	89	2234401	122.87	ug/l		69
57)	1,2,3-Trichloropropane	29.00	75	12785911	109.28	ug/l		93
58)	Pentachloroethane	30.48	167	1565240	32.19	ug/l		89
59)	1,3-Dichlorobenzene	31.33	146	4231694	38.67	ug/l	m	94
60)	1,4-Dichlorobenzene	31.56	146	4550964	37.68	ug/l	m	96
61)	1,2-Dichlorobenzene	32.67	146	2842386	29.97	ug/l		97
62)	1,2-Dibromo-3-chloropropan	35.30	157	1515957	67.32	ug/l		88
63)	Styrene	27.41	104	7071949	63.13	ug/l		97
64)	Xylene (total)	27.38	91	8542004	61.27	ug/l		93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOE329.D Vial: 6
Acq On : 29 Mar 95 3:06 pm Operator:
Sample : STD150++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+15ULSS+7.5UL242 Multiplr: 1.00
Quant Time: Mar 29 16:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOE329.D Vial: 6
Acq On : 29 Mar 95 3:06 pm Operator:
Sample : STD150++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+15ULSS+7.5UL242 Multiplr: 1.00
Quant Time: Mar 29 16:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.26	128	1977442	50.00	ug/l		-0.03
25) 1,4-Difluorobenzene	20.05	114	6737746	50.00	ug/l		-0.01
44) Chlorobenzene-d5	26.20	117	7650436	50.00	ug/l		0.20
System Monitoring Compounds							**%Recovery**
23) 1,2-Dichloroethane-d4	19.30	65	8229812	158.56	ug/l		317.12%
49) Toluene-d8	22.94	98	18162396	117.27	ug/l		234.54%
55) Bromofluorobenzene	28.62	95	7912805	58.00	ug/l		115.99%
Target Compounds							**Qvalue**
2) Dichlorodifluoromethane	7.91	85	11359324	602.36	ug/l		96
3) Chloromethane	9.44	50	4323402	266.10	ug/l		70
4) Bromomethane	11.82	94	9354710	206.07	ug/l		98
5) Vinyl Chloride	10.27	62	5310818	234.24	ug/l		98
6) Chloroethane	12.25	64	3237467	197.85	ug/l		97
7) Trichlorofluoromethane	13.03	101	15390570	168.60	ug/l		99
8) Acrolein	14.15	56	44026557	7427.15	ug/l		96
9) Iodomethane	14.58	142	29395596	169.59	ug/l	#	73
10) Acetone	14.58	43	668641	44.06	ug/l	m	97
11) Carbon Disulfide	14.73	76	5589694	44.45	ug/l		100
12) 1,1-Dichloroethene	14.25	96	5746522	121.43	ug/l		96
13) Methylene Chloride	15.38	84	8899396	123.58	ug/l		89
14) 3-Chloropropene	15.10	76	5571549	240.97	ug/l	m	1
15) Acetonitrile	15.11	41	15886131	939.13	ug/l	#	81
16) Acrylonitrile	15.95	53	14899205	1512.70	ug/l		94
17) Vinyl Acetate	16.82	43	13103521	147.31	ug/l		95
18) 1,1-Dichloroethane	16.74	63	11058553	127.52	ug/l		97
19) 1,2-Dichloroethene (total)	17.81	96	14846666	256.83	ug/l	m	97
20) Methacrylonitrile	18.24	41	7475637	361.59	ug/l		91
21) 2-Butanone	17.90	43	4135927	188.98	ug/l	m	85
22) Chloroform	18.39	83	16921762	138.72	ug/l		99
24) 1,2-Dichloroethane	19.45	62	9008250	133.90	ug/l		99
26) Propionitrile	17.99	54	5922702	1659.15	ug/l		94
27) 1,1,1-Trichloroethane	18.75	97	12569833	133.62	ug/l		99
28) Carbon Tetrachloride	19.07	117	12059348	144.33	ug/l		96
29) Bromodichloromethane	21.53	83	18260312	141.07	ug/l		99
30) Isobutanol	19.28	43	14365235	6676.38	ug/l		96
31) Crotononitrile	20.08	67	6503880	1506.80	ug/l	#	67
32) 1,2-Dichloropropane	21.03	63	6708865	137.44	ug/l		97
33) cis-1,3-Dichloropropene	22.38	75	11951868	143.15	ug/l		97
34) Trichloroethene	20.60	130	9824134	146.32	ug/l		98
35) Benzene	19.43	78	16938066	142.26	ug/l		100
36) Methylmethacrylate	21.13	41	17498754	313.73	ug/l	#	86

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOE329.D Vial: 6
Acq On : 29 Mar 95 3:06 pm Operator:
Sample : STD150++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+15ULSS+7.5UL242 Multiplr: 1.00
Quant Time: Mar 29 16:10 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Mar 28 08:58:36 1995
Response via : Single Level Calibration

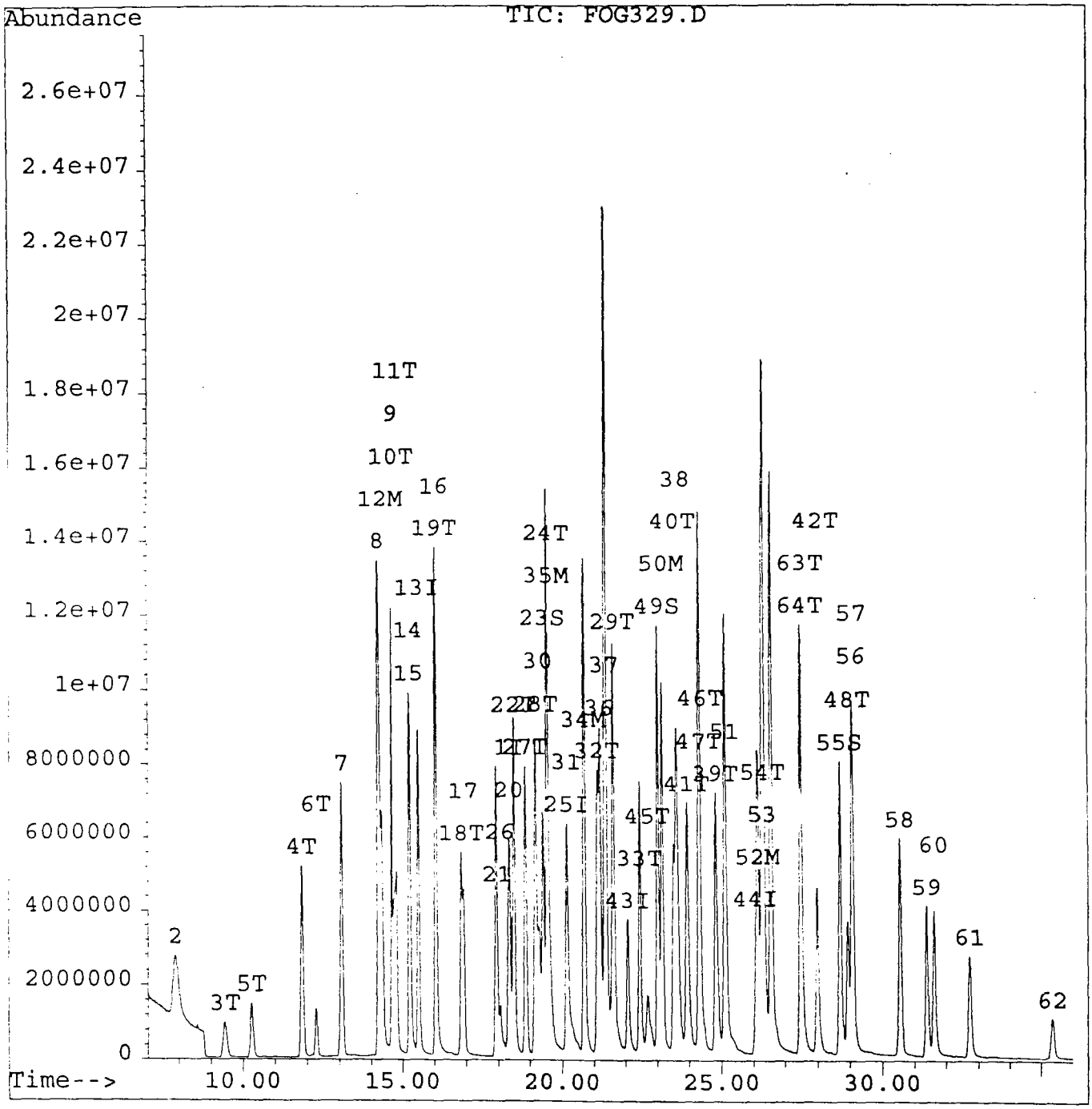
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Dibromomethane	21.28	174	23175313	308.05	ug/l		82
38) Ethylmethacrylate	23.54	69	17948888	242.37	ug/l		90
39) Dibromochloromethane	24.76	129	12534029	114.68	ug/l		94
40) trans-1,3-Dichloropropene	23.45	75	10109204	139.27	ug/l		99
41) 1,1,2-Trichloroethane	23.87	97	7076203	124.33	ug/l		97
42) Bromoform	27.91	173	6847508	72.98	ug/l		98
43) 2-Chloroethylvinylether	22.00	63	4525394	145.36	ug/l		94
45) 4-Methyl-2-Pentanone	22.64	43	5971692	95.20	ug/l		98
46) 2-Hexanone	24.31	43	3575943	80.66	ug/l		96
47) Tetrachloroethene	24.24	164	9363546	103.28	ug/l		99
48) 1,1,2,2-Tetrachloroethane	28.88	83	8121669	56.01	ug/l		99
50) Toluene	23.08	92	11224642	100.66	ug/l		97
51) 1,2-Dibromoethane	25.04	107	28094093	179.68	ug/l		95
52) Chlorobenzene	26.06	112	11889252	78.27	ug/l		99
53) 1,1,1,2-Tetrachloroethane	26.20	131	11055209	114.75	ug/l		95
54) Ethylbenzene	26.23	106	4788374	78.84	ug/l	m	56
56) trans-1,4-Dichloro-2-buten	29.00	89	2491902	110.80	ug/l	#	59
57) 1,2,3-Trichloropropane	29.01	75	14971089	103.47	ug/l		94
58) Pentachloroethane	30.51	167	3995846	66.45	ug/l		87
59) 1,3-Dichlorobenzene	31.34	146	4443259	32.83	ug/l	m	96
60) 1,4-Dichlorobenzene	31.58	146	5079032	34.00	ug/l	m	94
61) 1,2-Dichlorobenzene	32.70	146	3342555	28.50	ug/l		93
62) 1,2-Dibromo-3-chloropropan	35.34	157	1174940	42.19	ug/l	#	29
63) Styrene	27.41	104	8916824	64.36	ug/l		97
64) Xylene (total)	27.40	91	11013333	63.87	ug/l		94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOG329.D Vial: 8
Acq On : 29 Mar 95 5:11 pm Operator:
Sample : STD200++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+20ULSS+10UL242, Multiplr: 1.00
Quant Time: Mar 29 17:59 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Mar 29 18:01:26 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOG329.D Vial: 8
Acq On : 29 Mar 95 5:11 pm Operator:
Sample : STD200++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+20ULSS+10UL242, Multiplr: 1.00
Quant Time: Mar 29 17:59 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Mar 29 18:01:26 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.37	128	1813568	50.00	ug/l		0.06
25) 1,4-Difluorobenzene	20.14	114	6475140	50.00	ug/l		0.06
44) Chlorobenzene-d5	26.07	117	4088726	50.00	ug/l		-0.12
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.40	65	9249718	194.32	ug/l		388.63%
49) Toluene-d8	23.01	98	21736348	262.60	ug/l		525.20%
55) Bromofluorobenzene	28.69	95	10908995	149.60	ug/l		299.21%
Target Compounds							Qvalue
2) Dichlorodifluoromethane	7.91	85	13577864	785.07	ug/l		96
3) Chloromethane	9.43	50	5024795	337.21	ug/l		67
4) Bromomethane	11.84	94	10033392	241.00	ug/l		98
5) Vinyl Chloride	10.27	62	6127628	294.69	ug/l		98
6) Chloroethane	12.28	64	3575090	238.22	ug/l		98
7) Trichlorofluoromethane	13.07	101	17946162	214.36	ug/l		99
8) Acrolein	14.25	56	37020579	6809.58	ug/l		98
9) Iodomethane	14.67	142	24988439	157.19	ug/l	#	71
10) Acetone	14.67	43	373276	26.82	ug/l		99
11) Carbon Disulfide	14.81	76	11856683	102.80	ug/l		100
12) 1,1-Dichloroethene	14.35	96	6316951	145.55	ug/l		96
13) Methylene Chloride	15.50	84	10324531	156.33	ug/l		90
14) 3-Chloropropene	15.22	76	6268451	295.61	ug/l	#	73
15) Acetonitrile	15.22	41	18124556	1168.27	ug/l		85
16) Acrylonitrile	16.06	53	11565712	1280.36	ug/l		95
17) Vinyl Acetate	16.92	43	12955565	158.80	ug/l		95
18) 1,1-Dichloroethane	16.86	63	12573690	158.10	ug/l		100
19) 1,2-Dichloroethene (total)	16.05	96	15341365	289.37	ug/l	m	99
20) Methacrylonitrile	18.33	41	5739450	302.70	ug/l	#	88
21) 2-Butanone	17.97	43	2662599	132.65	ug/l	m	63
22) Chloroform	18.48	83	17930227	160.26	ug/l		97
24) 1,2-Dichloroethane	19.54	62	9827180	159.27	ug/l		99
26) Propionitrile	18.07	54	3901248	1137.20	ug/l		98
27) 1,1,1-Trichloroethane	18.85	97	14460019	159.95	ug/l		99
28) Carbon Tetrachloride	19.18	117	13676626	170.32	ug/l		99
29) Bromodichloromethane	21.60	83	19799001	159.16	ug/l		99
30) Isobutanol	19.28	43	7595509	3673.25	ug/l		98
31) Crotononitrile	20.15	67	5015398	1209.08	ug/l	#	67
32) 1,2-Dichloropropane	21.11	63	7610303	162.23	ug/l		100
33) cis-1,3-Dichloropropene	22.44	75	13136286	163.71	ug/l		98
34) Trichloroethene	20.68	130	12256609	189.95	ug/l		98
35) Benzene	19.53	78	19353386	169.13	ug/l		100
36) Methylmethacrylate	21.19	41	15543614	289.98	ug/l		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2995\FOG329.D Vial: 8
Acq On : 29 Mar 95 5:11 pm Operator:
Sample : STD200++ FNA329 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS+20ULSS+10UL242, Multiplr: 1.00
Quant Time: Mar 29 17:59 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Mar 29 18:01:26 1995
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Dibromomethane	21.35	174	23496802	324.99	ug/l		81
38)	Ethylmethacrylate	23.60	69	17758606	249.53	ug/l		87
39)	Dibromochloromethane	24.82	129	14137512	134.60	ug/l		100
40)	trans-1,3-Dichloropropene	23.51	75	10970265	157.27	ug/l		99
41)	1,1,2-Trichloroethane	23.93	97	7965171	145.62	ug/l		95
42)	Bromoform	27.99	173	7383279	81.88	ug/l		100
43)	2-Chloroethylvinylether	22.08	63	4627342	154.66	ug/l		91
45)	4-Methyl-2-Pentanone	22.70	43	5037267	150.25	ug/l	m	97
46)	2-Hexanone	24.37	43	3303936	139.45	ug/l	m	93
47)	Tetrachloroethene	24.30	164	10281394	212.18	ug/l	m	100
48)	1,1,2,2-Tetrachloroethane	28.94	83	6750284	87.11	ug/l	m	95
50)	Toluene	23.15	92	12438819	208.73	ug/l	m	96
51)	1,2-Dibromoethane	25.11	107	30131761	360.58	ug/l	m	93
52)	Chlorobenzene	26.14	112	14824218	182.61	ug/l	m	97
53)	1,1,1,2-Tetrachloroethane	26.28	131	12975337	252.01	ug/l	m	93
54)	Ethylbenzene	26.32	106	5715001	176.06	ug/l	m	82
56)	trans-1,4-Dichloro-2-buten	29.07	89	2260035	188.03	ug/l	m	67
57)	1,2,3-Trichloropropane	29.07	75	13019121	168.35	ug/l	m	95
58)	Pentachloroethane	30.55	167	4015685	124.95	ug/l	m	85
59)	1,3-Dichlorobenzene	31.40	146	6055196	83.72	ug/l	m	98
60)	1,4-Dichlorobenzene	31.62	146	5839779	73.15	ug/l	m	100
61)	1,2-Dichlorobenzene	32.74	146	4456338	71.09	ug/l	m	96
62)	1,2-Dibromo-3-chloropropan	35.36	157	1453110	97.63	ug/l	m	86
63)	Styrene	27.51	104	10749195	145.17	ug/l	m	95
64)	Xylene (total)	27.48	91	13293947	144.26	ug/l	m	96

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

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i Injection Date: 09-APR-1995 18:18
Lab File ID: yb409.d Init. Calibration Date(s): 04/03/95 04/03/95
Analysis Type: Init. Calibration Times: 10:34 15:06
Lab Sample ID: Quant Type: ISTD
Method File: /chem/gcl2.i/950409.b/8240w2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1	Dichlorodifluoromethane	2.944	2.090	0.000	29.0	40.0	
2	Chloromethane	2.862	#2.896	0.300	1.2	40.0	
3	Vinyl Chloride	2.573	2.567	0.000	*0.2	25.0	
4	Bromomethane	1.908	1.997	0.000	4.6	40.0	
5	Chloroethane	1.168	1.156	0.000	1.0	40.0	
6	Trichlorofluoromethane	1.673	2.288	0.000	36.8	40.0	
7	Trichlorotrifluoroethane	++++	++++	0.000	++++	40.0	<-
8	Methyl-tert-butylether	++++	++++	0.010	++++	40.0	<-
9	Ethyl ether	++++	++++	0.010	++++	40.0	<-
10	Acrolein	0.227	0.157	0.000	30.7	40.0	
11	1,1-Dichloroethene	1.225	1.382	0.000	*12.8	25.0	
12	Iodomethane	2.712	3.261	0.000	20.2	40.0	
13	Acetone	0.688	0.385	0.000	44.1	40.0	
14	Carbon Disulfide	5.038	4.880	0.000	3.1	40.0	
15	3-Chloropropene	0.807	0.890	0.000	10.3	40.0	
16	Acetonitrile	1.162	1.140	0.000	1.9	40.0	
17	Methylene Chloride	1.818	1.978	0.000	8.8	40.0	
18	Acrylonitrile	0.355	0.329	0.000	7.3	40.0	
19	1,1-Dichloroethane	4.138	#4.077	0.300	1.5	40.0	
20	Vinyl acetate	1.248	0.946	0.000	24.2	40.0	
21	1,2-Dichloroethene (total)	1.679	1.804	0.000	7.5	40.0	
22	cis-1,2-Dichloroethene	2.011	2.284	0.000	13.6	40.0	
23	2-Butanone	1.280	0.844	0.000	34.1	40.0	
24	Ethyl acetate	++++	++++	0.010	++++	40.0	<-
25	Propionitrile	0.038	0.032	0.000	14.2	40.0	
26	Methacrylonitrile	1.541	1.303	0.000	15.5	40.0	
28	Chloroform	3.496	3.370	0.000	*3.6	25.0	
29	1,1,1-Trichloroethane	0.552	0.459	0.000	16.9	40.0	
30	Carbon Tetrachloride	0.475	0.410	0.000	13.6	40.0	
31	Tetrahydrofuran	++++	++++	0.000	++++	40.0	<-
32	Isobutanol	0.015	0.012	0.000	18.1	40.0	
$ 33	1,2-Dichloroethane-d4	2.115	1.535	0.000	27.4	40.0	
34	Benzene	1.105	1.257	0.000	13.8	40.0	
35	1,2-Dichloroethane	2.742	2.154	0.000	21.5	40.0	
37	Crotononitrile	0.034	0.030	0.000	11.9	40.0	
38	Trichloroethene	0.406	0.508	0.000	25.2	40.0	
39	1,2-Dichloropropane	0.481	0.495	0.000	*2.9	25.0	
40	Methylmethacrylate	0.536	0.403	0.000	24.8	40.0	
41	Dibromomethane	0.277	0.337	0.000	21.6	40.0	

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i
Lab File ID: yb409.d
Analysis Type:
Lab Sample ID:
Method File: /chem/gcl2.i/950409.b/8240w2.m

Injection Date: 09-APR-1995 18:18
Init. Calibration Date(s): 04/03/95 04/03/95
Init. Calibration Times: 10:34 15:06
Quant Type: ISTD

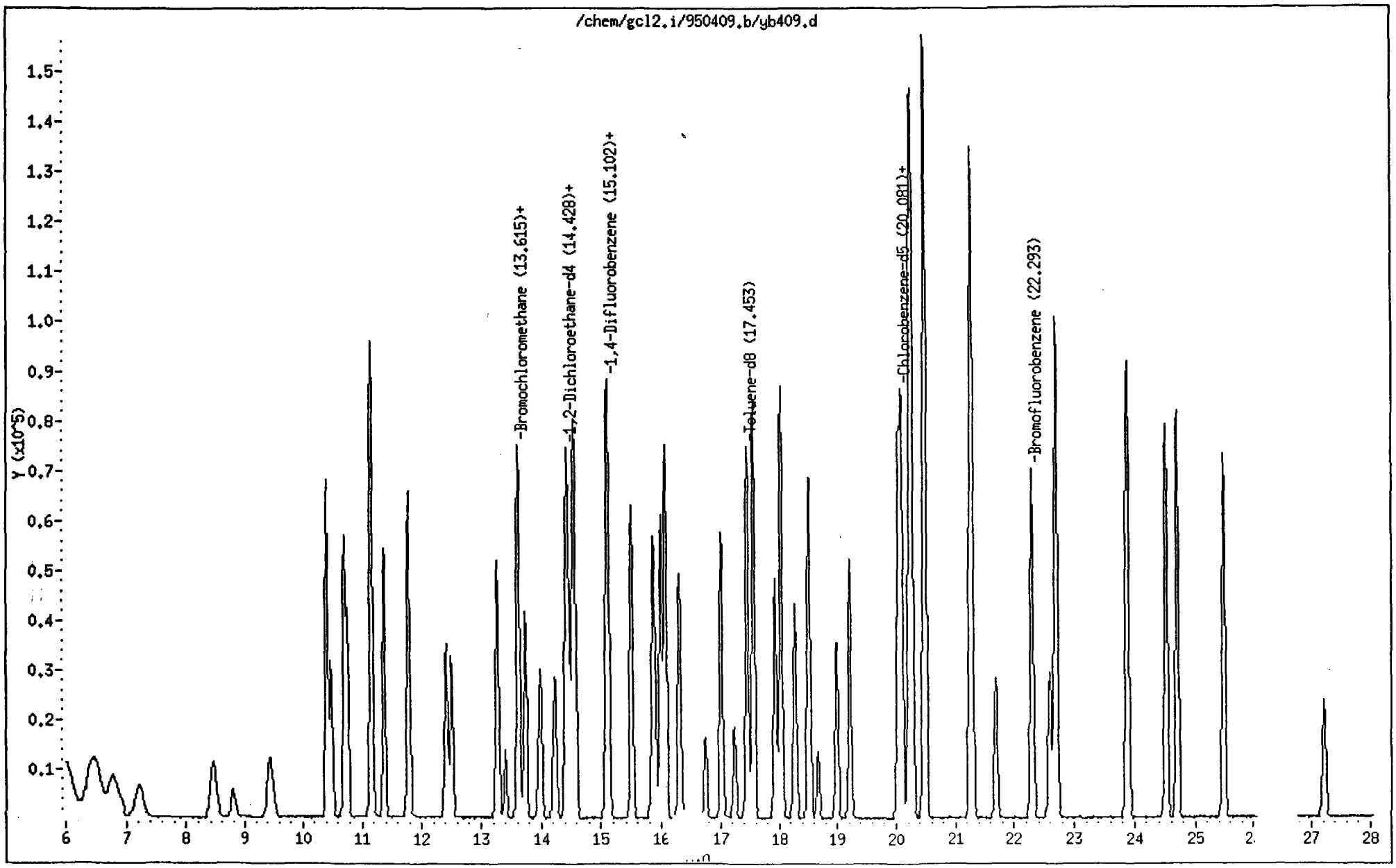
	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	42 Bromodichloromethane	0.602	0.560	0.000	7.0	40.0	
	43 2-Chloroethylvinylether	0.189	0.137	0.000	27.2	40.0	
	44 cis-1,3-Dichloropropene	0.699	0.685	0.000	2.0	40.0	
	45 2-Nitropropane	++++	++++	0.010	++++	40.0	<-
$	46 Toluene-d8	1.131	1.147	0.000	1.4	40.0	
	47 Toluene	1.363	1.421	0.010	*4.2	25.0	
	48 trans-1,3-Dichloropropene	0.673	0.572	0.000	14.9	40.0	
	49 4-Methyl-2-pentanone	0.626	0.411	0.000	34.4	40.0	
	50 Ethylmethacrylate	0.612	0.540	0.000	11.7	40.0	
	51 1,1,2-Trichloroethane	0.319	0.323	0.000	1.1	40.0	
	52 Tetrachloroethene	0.397	0.486	0.000	22.4	40.0	
	53 2-Hexanone	0.457	0.269	0.000	41.1	40.0	
	54 Dibromochloromethane	0.403	0.454	0.000	12.7	40.0	
	55 1,2-Dibromoethane	0.388	0.426	0.000	9.8	40.0	
	57 Chlorobenzene	0.901	# 1.037	0.300	15.1	40.0	
	58 1,1,1,2-Tetrachloroethane	0.345	0.456	0.000	32.3	40.0	
	59 Ethylbenzene	0.363	0.446	0.000	*22.7	25.0	
	60 m,p-xylene	1.094	1.250	0.000	14.3	40.0	
	61 Xylene (total)	1.172	1.306	0.000	11.4	40.0	
	62 Styrene	0.877	1.038	0.000	18.4	40.0	
	63 Bromoform	0.295	# 0.321	0.250	9.0	40.0	
$	64 Bromofluorobenzene	0.652	0.681	0.000	4.5	40.0	
	65 1,2,3-Trichloropropane	0.553	0.521	0.000	5.8	40.0	
	66 1,1,2,2-Tetrachloroethane	0.573	# 0.480	0.300	16.3	40.0	
	67 trans-1,4-Dichloro-2-butene	0.085	0.076	0.000	10.5	40.0	
	68 Pentachloroethane	0.227	0.277	0.000	21.8	40.0	
	69 1,3-Dichlorobenzene	0.775	0.848	0.000	9.5	40.0	
	70 1,4-Dichlorobenzene	0.766	0.831	0.000	8.5	40.0	
	71 1,2-Dichlorobenzene	0.737	0.769	0.000	4.4	40.0	
	72 1,2-dibromo-3-chloropropane	0.116	0.097	0.000	17.1	40.0	
	73 Naphthalene	++++	++++	0.000	++++	40.0	<-

Data File: /chem/gcl2.i/950409.b/yb409.d
Date : 09-APR-1995 18:18
Client ID:
Sample Info: STD50++ BXB409

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/yb409.d
Lab Smp Id:
Inj Date : 09-APR-1995 18:18
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD50++ BXB409
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+2.5UL257,267,269,251+2UL26
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 18:56 Quant Type: ISTD
Cal Date : 09-APR-95 18:18 Cal File: yb409.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	Dichlorodifluoromethane	85.00	5.309	5.309	(0.390)	35133	50.00	35.49
	Chloromethane	50.00	6.509	6.509	(0.478)	48685	50.00	50.60
3	Vinyl Chloride	62.00	7.203	7.203	(0.529)	43157	50.00	49.88
4	Bromomethane	94.00	8.452	8.452	(0.621)	33569	50.00	52.31
5	Chloroethane	64.00	8.787	8.787	(0.645)	19443	50.00	49.51
6	Trichlorofluoromethane	101.00	9.432	9.432	(0.693)	38474	50.00	68.38
10	Acrolein	56.00	10.403	10.403	(0.764)	105832	2000	1386 (M)
11	1,1-Dichloroethene	96.00	10.482	10.482	(0.770)	23233	50.00	56.38
12	Iodomethane	142.00	10.700	10.700	(0.786)	109655	100.0	120.2
13	Acetone	43.00	10.720	10.720	(0.787)	6465	50.00	27.93
14	Carbon Disulfide	76.00	10.760	10.760	(0.790)	82043	50.00	48.43
15	3-Chloropropene	76.00	11.146	11.146	(0.819)	29933	100.0	110.3
16	Acetonitrile	41.00	11.156	11.156	(0.819)	153335	400.0	392.5
17	Methylene Chloride	84.00	11.364	11.364	(0.835)	33259	50.00	54.41
18	Acrylonitrile	53.00	11.781	11.781	(0.865)	44235	400.0	370.6
19	1,1-Dichloroethane	63.00	12.405	12.405	(0.911)	68537	50.00	49.26
20	Vinyl acetate	43.00	12.495	12.495	(0.828)	85663	50.00	37.89
21	1,2-Dichloroethene (total)	96.00	13.258	13.258	(0.974)	60660	100.0	107.5 (M)
22	cis-1,2-Dichloroethene	96.00	13.258	13.258	(0.974)	38400	50.00	56.79
23	2-Butanone	43.00	13.297	13.297	(0.977)	14191	50.00	32.97 (M)
25	Propionitrile	54.00	13.396	13.396	(0.888)	23495	400.0	343.2
26	Methacrylonitrile	41.00	13.605	13.605	(0.999)	43813	100.0	84.54
* 27	Bromochloromethane	127.80	13.615	13.615	(1.000)	16812	50.00	
28	Chloroform	83.00	13.734	13.734	(1.009)	56649	50.00	48.19
29	1,1,1-Trichloroethane	97.00	13.982	13.982	(0.927)	41551	50.00	41.56
30	Carbon Tetrachloride	116.80	14.220	14.220	(0.943)	37142	50.00	43.22
	sobutanol	43.00	14.428	14.428	(0.957)	88375	4000	3275
$	1,2-Dichloroethane-d4	65.00	14.468	14.468	(1.063)	25806	50.00	36.29
34	Benzene	78.00	14.537	14.537	(0.964)	113848	50.00	56.91

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35	1,2-Dichloroethane	62.00	14.577	14.577	(1.071)	36209	50.00	39.27
* 36	1,4-Difluorobenzene	114.00	15.082	15.082	(1.000)	90559	50.00	
37	Crotononitrile	67.00	15.112	15.112	(1.002)	21669	400.0	352.3
38	Trichloroethene	130.00	15.499	15.499	(1.028)	46030	50.00	62.62
39	1,2-Dichloropropane	63.00	15.866	15.866	(1.052)	44826	50.00	51.47
40	Methylmethacrylate	41.00	15.985	15.985	(1.060)	73030	100.0	75.19
41	Dibromomethane	174.00	16.064	16.064	(1.065)	61044	100.0	121.6
42	Bromodichloromethane	83.00	16.302	16.302	(1.081)	50675	50.00	46.48
43	2-Chloroethylvinylether	63.00	16.739	16.739	(1.110)	12436	50.00	36.42
44	cis-1,3-Dichloropropene	75.00	17.006	17.006	(1.128)	62000	50.00	48.98
$ 46	Toluene-d8	98.00	17.443	17.443	(0.871)	95231	50.00	50.68
47	Toluene	91.00	17.562	17.562	(0.877)	118016	50.00	52.12
48	trans-1,3-Dichloropropene	75.00	17.929	17.929	(0.895)	47521	50.00	42.53
49	4-Methyl-2-pentanone	43.00	17.235	17.235	(0.860)	34106	50.00	32.82
50	Ethylmethacrylate	69.00	18.028	18.028	(0.900)	89788	100.0	88.30
51	1,1,2-Trichloroethane	97.00	18.266	18.266	(1.211)	29242	50.00	50.54
52	Tetrachloroethene	164.00	18.504	18.504	(0.924)	40392	50.00	61.21
53	2-Hexanone	43.00	18.663	18.663	(0.932)	22350	50.00	29.44
54	Dibromochloromethane	129.00	18.990	18.990	(1.259)	41116	50.00	56.35
55	1,2-Dibromoethane	107.00	19.208	19.208	(1.274)	77178	100.0	109.8
	Chlorobenzene-d5	117.00	20.031	20.031	(1.000)	83061	50.00	
	Chlorobenzene	112.00	20.091	20.091	(1.003)	86140	50.00	57.54
58	1,1,1,2-Tetrachloroethane	131.00	20.230	20.230	(1.010)	75813	100.0	132.3
59	Ethylbenzene	106.00	20.260	20.260	(1.011)	37037	50.00	61.34
60	m,p-xylene	91.00	20.479	20.479	(1.022)	207657	100.0	114.2
61	Xylene (total)	91.00	21.252	21.252	(1.061)	108442	50.00	55.70
62	Styrene	104.00	21.282	21.282	(1.062)	86256	50.00	59.22
63	Bromoform	173.00	21.688	21.688	(1.438)	29104	50.00	54.49
$ 64	Bromofluorobenzene	95.00	22.293	22.293	(1.113)	56536	50.00	52.23
65	1,2,3-Trichloropropane	75.00	22.690	22.690	(1.133)	86555	100.0	94.20
66	1,1,2,2-Tetrachloroethane	83.00	22.590	22.590	(1.128)	39831	50.00	41.86
67	trans-1,4-Dichloro-2-butene	89.00	22.710	22.710	(1.134)	12617	100.0	89.52
68	Pentachloroethane	167.00	23.880	23.880	(1.192)	45941	100.0	121.8
69	1,3-Dichlorobenzene	146.00	24.514	24.514	(1.224)	70469	50.00	54.76
70	1,4-Dichlorobenzene	146.00	24.703	24.703	(1.233)	69035	50.00	54.26
71	1,2-Dichlorobenzene	146.00	25.486	25.486	(1.272)	63898	50.00	52.20
72	1,2-dibromo-3-chloropropane	157.00	27.210	27.210	(1.358)	16037	100.0	82.87

QC Flag Legend

M - Compound response manually integrated.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: gc12 Calibration Date: 04/11/95 Time: 0808

Lab File ID: BYA411 Init. Calib. Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Init. Calib. Times: 1252 1506

GC Column: ID: (mm)

COMPOUND	$\overline{RRF}$	RRF50+	MIN RRF	%D	MAX %D	
Chloromethane	2.862	2.558	00	10.6	~~25.0~~	
Bromomethane	1.908	1.757		7.9		
Vinyl chloride	2.573	2.149	00	16.5	25.0	
Chloroethane	1.168	0.805		31.1		
Methylene Chloride	1.818	1.460		19.7		
Acetone	0.688	0.438		36.3		
Carbon Disulfide	5.038	3.667		27.2		
1,1-Dichloroethene	1.225	1.015	00	17.1	25.0	
1,1-Dichloroethane	4.138	3.573	00	13.7	25.0	
1,2-Dichloroethene (total)	1.679	~~2.857~~	1.429	~~-70.2~~		14.9 JSO 4/22/95
Chloroform	3.627	3.092	00	14.7	25.0	
1,2-Dichloroethane	2.956	1.955		33.8		
2-Butanone	1.282	1.020		20.5		
1,1,1-Trichloroethane	0.577	0.479		17.0		
Carbon Tetrachloride	0.495	0.419		15.3		
Vinyl acetate	1.248	1.098		12.0		
Bromodichloromethane	0.629	0.555		11.8		
1,2-Dichloropropane	0.498	0.453	00	9.1	25.0	
cis-1,3-Dichloropropene	0.729	0.653		10.4		
Trichloroethene	0.427	0.449		-5.1		
1,1,2-Trichloroethane	0.331	0.292		11.8		
Benzene	1.241	1.136		8.4		
trans-1,3-Dichloropropene	0.700	0.603		13.8		
Bromoform	0.300	0.270	00	10.0	25.0	
4-Methyl-2-pentanone	0.624	0.503		19.3		
2-Hexanone	0.457	0.343		24.9		
Tetrachloroethene	0.419	0.450		-7.4		
1,1,2,2-Tetrachloroethane	0.590	0.439	00	25.6	~~25.0~~	
Toluene	1.452	1.356	00	6.6	25.0	
Chlorobenzene	0.949	0.955	00	-0.7	25.0	
Ethylbenzene	0.401	0.404	00	-0.7	25.0	
Styrene	0.941	0.906		3.7		
Xylene (total)	1.257	1.143		9.1		
Acrolein	9.083	6.857		24.5		
Acrylonitrile	2.840	2.356		17.1		
Trichlorofluoromethane	1.673	1.025		38.8		
Dichlorodifluoromethane	2.944	1.531		48.0		

All other compounds must meet a minimum RRF of 0.010.

7C
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: gc12 Calibration Date: 04/11/95 Time: 0808

Lab File ID: BYA411 Init. Calib. Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Init. Calib. Times: 1252 1506

GC Column: ID: (mm)

COMPOUND	$\overline{RRF}$	RRF50+	MIN RRF	%D	MAX %D
Acetonitrile	9.296	8.389		9.8	
Iodomethane	5.751	5.406		6.0	
Propionitrile (Ethyl Cyanide)	0.301	0.328		-9.0	
3-Chloropropene	1.709	1.391		18.6	
Methacrylonitrile	3.297	2.892		12.3	
Dibromomethane	0.621	0.624		-0.5	
Isobutyl alcohol	1.360	1.119		17.7	
1,2-Dibromoethane	0.861	0.778		9.6	
1,1,1,2-Tetrachloroethane	0.802	0.844		-5.2	
1,2,3-Trichloropropane	1.222	0.952		22.1	
Methylmethacrylate	1.226	0.900		26.5	
Ethylmethacrylate	1.354	1.075		20.6	
Pentachloroethane	0.508	0.471		7.3	
Toluene-d8	1.131	1.224		-8.2	
4-Bromofluorobenzene	0.651	0.624		4.1	
1,2-Dichloroethane-d4	2.115	1.513		28.5	

FORM VII VO-2 3/90 Rev.

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i
Lab File ID: ya411.d
Analysis Type: WATER
Lab Sample ID:
Method File: /chem/gcl2.i/950411.b/8240w2.m

Injection Date: 11-APR-1995 08:08
Init. Calibration Date(s): 04/03/95 04/03/95
Init. Calibration Times: 10:34 15:06
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1	Dichlorodifluoromethane	2.944	1.531	0.000	48.0	40.0	
2	Chloromethane	2.862	2.558	0.300	10.6	40.0	
3	Vinyl Chloride	2.573	2.149	0.000	16.5	25.0	
4	Bromomethane	1.908	1.757	0.000	7.9	40.0	
5	Chloroethane	1.168	0.805	0.000	31.1	40.0	
6	Trichlorofluoromethane	1.673	1.025	0.000	38.8	40.0	
7	Trichlorotrifluoroethane	++++	1.025	0.000	++++	40.0	<-
8	Methyl-tert-butylether	++++	++++	0.010	++++	40.0	<-
9	Ethyl ether	++++	++++	0.010	++++	40.0	<-
10	Acrolein	0.227	0.171	0.000	24.5	40.0	
11	1,1-Dichloroethene	1.225	1.015	0.000	17.2	25.0	
12	Iodomethane	2.712	2.703	0.000	0.3	40.0	
13	Acetone	0.688	0.438	0.000	36.3	40.0	
14	Carbon Disulfide	5.038	3.667	0.000	27.2	40.0	
15	3-Chloropropene	0.807	0.696	0.000	13.8	40.0	
16	Acetonitrile	1.162	1.049	0.000	9.8	40.0	
17	Methylene Chloride	1.818	1.460	0.000	19.7	40.0	
18	Acrylonitrile	0.355	0.294	0.000	17.0	40.0	
19	1,1-Dichloroethane	4.138	3.573	0.300	13.7	40.0	
20	Vinyl acetate	1.248	1.098	0.000	12.0	40.0	
21	1,2-Dichloroethene (total)	1.679	1.429	0.000	14.9	40.0	
22	cis-1,2-Dichloroethene	2.011	1.912	0.000	4.9	40.0	
23	2-Butanone	1.280	1.020	0.000	20.3	40.0	
24	Ethyl acetate	++++	++++	0.010	++++	40.0	<-
25	Propionitrile	0.038	0.041	0.000	8.5	40.0	
26	Methacrylonitrile	1.541	1.446	0.000	6.2	40.0	
28	Chloroform	3.496	3.092	0.000	11.5	25.0	
29	1,1,1-Trichloroethane	0.552	0.479	0.000	13.2	40.0	
30	Carbon Tetrachloride	0.475	0.419	0.000	11.6	40.0	
31	Tetrahydrofuran	++++	++++	0.000	++++	40.0	<-
32	Isobutanol	0.015	0.014	0.000	6.1	40.0	
$ 33	1,2-Dichloroethane-d4	2.115	1.514	0.000	28.4	40.0	
34	Benzene	1.105	1.136	0.000	2.9	40.0	
35	1,2-Dichloroethane	2.742	1.955	0.000	28.7	40.0	
37	Crotononitrile	0.034	0.033	0.000	2.4	40.0	
38	Trichloroethene	0.406	0.449	0.000	10.6	40.0	
39	1,2-Dichloropropane	0.481	0.453	0.000	5.9	25.0	
40	Methylmethacrylate	0.536	0.450	0.000	16.0	40.0	
41	Dibromomethane	0.277	0.312	0.000	12.5	40.0	

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i
Lab File ID: ya411.d
Analysis Type: WATER
Lab Sample ID:
Method File: /chem/gcl2.i/950411.b/8240w2.m

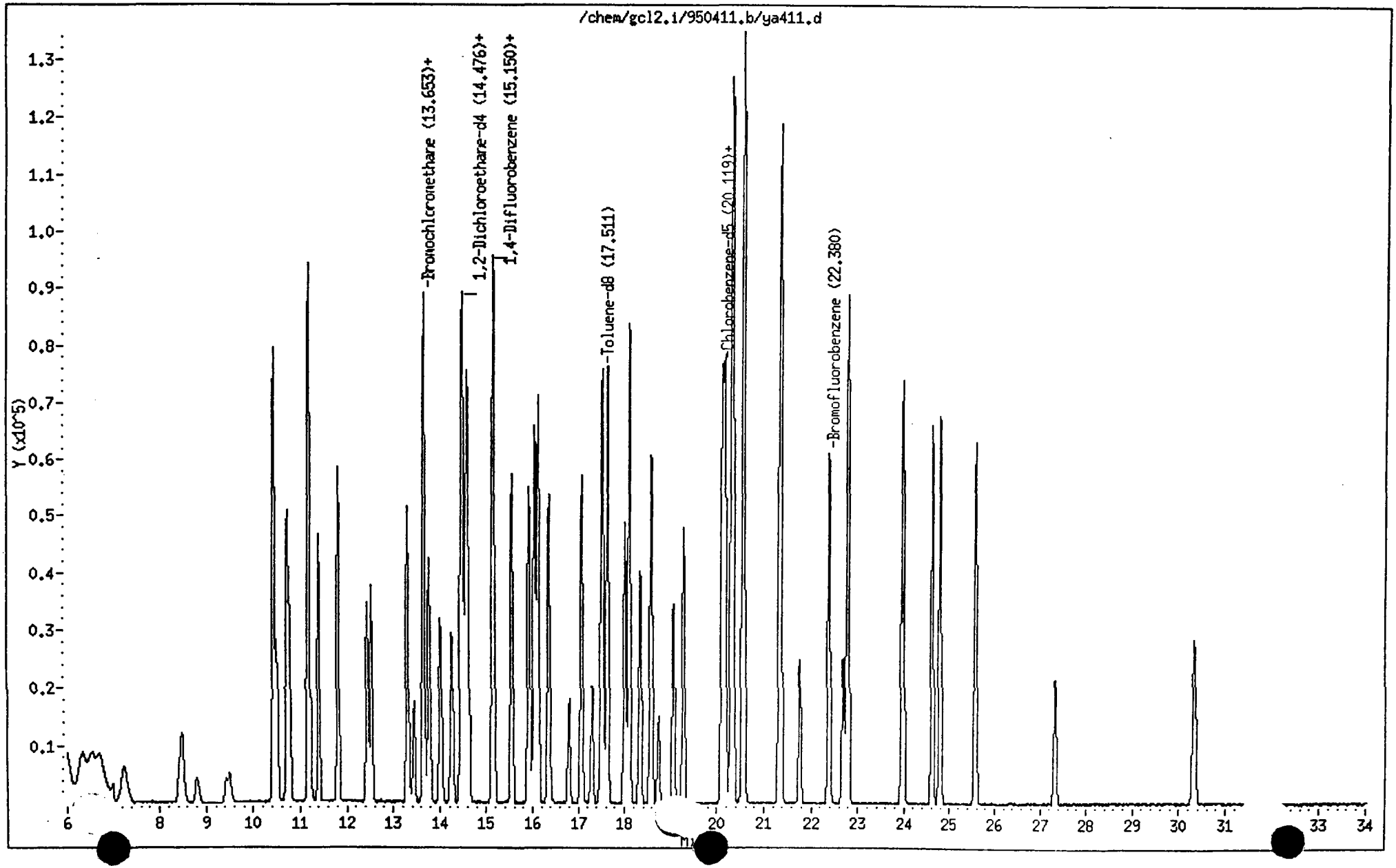
Injection Date: 11-APR-1995 08:08
Init. Calibration Date(s): 04/03/95 04/03/95
Init. Calibration Times: 10:34 15:06
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	42 Bromodichloromethane	0.602	0.555	0.000	7.9	40.0	
	43 2-Chloroethylvinylether	0.189	0.146	0.000	22.5	40.0	
	44 cis-1,3-Dichloropropene	0.699	0.653	0.000	6.6	40.0	
	45 2-Nitropropane	++++	0.519	0.010	++++	40.0	<-
$	46 Toluene-d8	1.131	1.224	0.000	8.2	40.0	
	47 Toluene	1.363	1.356	0.010	0.5	25.0	✓
	48 trans-1,3-Dichloropropene	0.673	0.603	0.000	10.3	40.0	
	49 4-Methyl-2-pentanone	0.626	0.503	0.000	19.5	40.0	
	50 Ethylmethacrylate	0.612	0.538	0.000	12.2	40.0	
	51 1,1,2-Trichloroethane	0.319	0.292	0.000	8.6	40.0	
	52 Tetrachloroethene	0.397	0.450	0.000	13.3	40.0	
	53 2-Hexanone	0.457	0.343	0.000	24.9	40.0	
	54 Dibromochloromethane	0.403	0.418	0.000	3.7	40.0	
	55 1,2-Dibromoethane	0.388	0.389	0.000	0.2	40.0	
	57 Chlorobenzene	0.901	0.955	0.300	6.0	40.0	
	58 1,1,1,2-Tetrachloroethane	0.345	0.422	0.000	22.3	40.0	
	59 Ethylbenzene	0.363	0.404	0.000	11.1	25.0	✓
	60 m,p-xylene	1.094	1.151	0.000	5.2	40.0	
	61 Xylene (total)	1.172	1.143	0.000	2.5	40.0	
	62 Styrene	0.877	0.906	0.000	3.3	40.0	
	63 Bromoform	0.295	0.270	0.250	8.4	40.0	
$	64 Bromofluorobenzene	0.652	0.624	0.000	4.2	40.0	
	65 1,2,3-Trichloropropane	0.553	0.476	0.000	13.9	40.0	
	66 1,1,2,2-Tetrachloroethane	0.573	0.439	0.300	23.4	40.0	
	67 trans-1,4-Dichloro-2-butene	0.085	0.070	0.000	17.8	40.0	
	68 Pentachloroethane	0.227	0.235	0.000	3.7	40.0	
	69 1,3-Dichlorobenzene	0.775	0.726	0.000	6.3	40.0	
	70 1,4-Dichlorobenzene	0.766	0.723	0.000	5.5	40.0	
	71 1,2-Dichlorobenzene	0.737	0.688	0.000	6.6	40.0	
	72 1,2-dibromo-3-chloropropane	0.116	0.094	0.000	19.3	40.0	
	73 Naphthalene	++++	0.818	0.000	++++	40.0	<-

Data File: /chem/gcl2.i/950411.b/ya411.d
Date : 11-APR-1995 08:08
Client ID:
Sample Info: STD50+NAP BXA411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411.b/ya411.d
Lab Smp Id:
Inj Date : 11-APR-1995 08:08
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD50+NAP BXA411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+2.5UL257,267,269,251,279+2
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:07 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85.00	5.328	5.328	(0.390)	29023	50.00	26.00 (M)
2	Chloromethane	50.00	6.547	6.547	(0.480)	48488	50.00	44.70
3	Vinyl Chloride	62.00	7.232	7.232	(0.530)	40733	50.00	41.76
4	Bromomethane	94.00	8.481	8.481	(0.621)	33304	50.00	46.04
5	Chloroethane	64.00	8.806	8.806	(0.645)	15260	50.00	34.47
6	Trichlorofluoromethane	101.00	9.489	9.489	(0.695)	19419	50.00	30.61 (M)
7	Trichlorotrifluoroethane	101.00	9.489	9.489	(0.695)	19421	50.00	(M)
10	Acrolein	56.00	10.421	10.421	(0.763)	129958	2000	1510 (M)
11	1,1-Dichloroethene	96.00	10.490	10.490	(0.768)	19241	50.00	41.42
12	Iodomethane	142.00	10.718	10.718	(0.785)	102465	100.0	99.66
13	Acetone	43.00	10.738	10.738	(0.787)	8307	50.00	31.84
14	Carbon Disulfide	76.00	10.768	10.768	(0.789)	69500	50.00	36.39
15	3-Chloropropene	76.00	11.165	11.165	(0.818)	26368	100.0	86.18
16	Acetonitrile	41.00	11.174	11.174	(0.818)	158998	400.0	361.0
17	Methylene Chloride	84.00	11.383	11.383	(0.834)	27669	50.00	40.15
18	Acrylonitrile	53.00	11.809	11.809	(0.865)	44644	400.0	331.8
19	1,1-Dichloroethane	63.00	12.433	12.433	(0.911)	67718	50.00	43.17
20	Vinyl acetate	43.00	12.523	12.523	(0.828)	101220	50.00	43.99
	1,2-Dichloroethene (total)	96.00	13.296	13.296	(0.974)	54154	100.0	85.11 (M)
	cis-1,2-Dichloroethene	96.00	13.296	13.296	(0.974)	36236	50.00	47.54
23	2-Butanone	43.00	13.335	13.335	(0.977)	19327	50.00	39.83 (M)
25	Propionitrile	54.00	13.434	13.434	(0.888)	30233	400.0	433.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	26 Methacrylonitrile	41.00	13.643	13.643	(0.999)	54819	100.0	93.82
*	27 Bromochloromethane	127.80	13.653	13.653	(1.000)	18953	50.00	
	28 Chloroform	83.00	13.772	13.772	(1.009)	58610	50.00	44.23
	29 1,1,1-Trichloroethane	97.00	14.020	14.020	(0.927)	44138	50.00	43.38
	30 Carbon Tetrachloride	116.80	14.258	14.258	(0.942)	38651	50.00	44.19
	32 Isobutanol	43.00	14.476	14.476	(0.957)	103161	4000	3756
$	33 1,2-Dichloroethane-d4	65.00	14.506	14.506	(1.062)	28692	50.00	35.79
	34 Benzene	78.00	14.575	14.575	(0.963)	104732	50.00	51.44
	35 1,2-Dichloroethane	62.00	14.625	14.625	(1.071)	37060	50.00	35.65
*	36 1,4-Difluorobenzene	114.00	15.130	15.130	(1.000)	92164	50.00	
	37 Crotononitrile	67.00	15.160	15.160	(1.002)	24430	400.0	390.3
	38 Trichloroethene	130.00	15.547	15.547	(1.028)	41361	50.00	55.29
	39 1,2-Dichloropropane	63.00	15.924	15.924	(1.052)	41715	50.00	47.06
	40 Methylmethacrylate	41.00	16.043	16.043	(1.060)	82995	100.0	83.96
	41 Dibromomethane	174.00	16.122	16.122	(1.066)	57490	100.0	112.5
	42 Bromodichloromethane	83.00	16.361	16.361	(1.081)	51116	50.00	46.06
	43 2-Chloroethylvinylether	63.00	16.797	16.797	(1.110)	13466	50.00	38.74
	44 cis-1,3-Dichloropropene	75.00	17.064	17.064	(1.128)	60187	50.00	46.72
	45 2-Nitropropane	43.00	17.292	17.292	(1.267)	39380	200.0	
$	46 Toluene-d8	98.00	17.511	17.511	(0.871)	95785	50.00	54.12
	Toluene	91.00	17.620	17.620	(0.876)	106095	50.00	49.75
	trans-1,3-Dichloropropene	75.00	17.997	17.997	(0.895)	47183	50.00	44.84
	49 4-Methyl-2-pentanone	43.00	17.292	17.292	(0.860)	39380	50.00	40.23
	50 Ethylmethacrylate	69.00	18.096	18.096	(0.900)	84118	100.0	87.83
	51 1,1,2-Trichloroethane	97.00	18.334	18.334	(1.212)	26895	50.00	45.68
	52 Tetrachloroethene	164.00	18.572	18.572	(0.924)	35203	50.00	56.64
	53 2-Hexanone	43.00	18.741	18.741	(0.932)	26866	50.00	37.57
	54 Dibromochloromethane	129.00	19.058	19.058	(1.260)	38502	50.00	51.85 (M)
	55 1,2-Dibromoethane	107.00	19.276	19.276	(1.274)	71710	100.0	100.2
*	56 Chlorobenzene-d5	117.00	20.109	20.109	(1.000)	78231	50.00	
	57 Chlorobenzene	112.00	20.159	20.159	(1.002)	74723	50.00	52.99
	58 1,1,1,2-Tetrachloroethane	131.00	20.308	20.308	(1.010)	65993	100.0	122.3
	59 Ethylbenzene	106.00	20.348	20.348	(1.012)	31602	50.00	55.57
	60 m,p-xylene	91.00	20.557	20.557	(1.022)	180097	100.0	105.2
	61 Xylene (total)	91.00	21.330	21.330	(1.061)	89429	50.00	48.77
	62 Styrene	104.00	21.369	21.369	(1.063)	70863	50.00	51.66
	63 Bromoform	173.00	21.766	21.766	(1.439)	24887	50.00	45.78
$	64 Bromofluorobenzene	95.00	22.380	22.380	(1.113)	48832	50.00	47.90
	65 1,2,3-Trichloropropane	75.00	22.787	22.787	(1.133)	74497	100.0	86.09
	66 1,1,2,2-Tetrachloroethane	83.00	22.677	22.677	(1.128)	34340	50.00	38.32
	67 trans-1,4-Dichloro-2-butene	89.00	22.797	22.797	(1.134)	10916	100.0	82.23
	68 Pentachloroethane	167.00	23.966	23.966	(1.192)	36823	100.0	103.7
	69 1,3-Dichlorobenzene	146.00	24.610	24.610	(1.224)	56778	50.00	46.85
	70 1,4-Dichlorobenzene	146.00	24.789	24.789	(1.233)	56595	50.00	47.23
	71 1,2-Dichlorobenzene	146.00	25.571	25.571	(1.272)	53823	50.00	46.69
	1,2-dibromo-3-chloropropane	157.00	27.316	27.316	(1.358)	14715	100.0	80.74
	Naphthalene	128.00	30.331	30.331	(1.508)	63961	50.00	(M)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: gc12 Calibration Date: 04/11/95 Time: 2139

Lab File ID: BYB411 Init. Calib. Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Init. Calib. Times: 1252 1506

GC Column: ID: (mm)

COMPOUND	$\overline{RRF}$	RRF50+	MIN RRF	%D	MAX %D
Chloromethane	2.862	2.949	00	-3.0	~~25.0~~
Bromomethane	1.908	1.826		4.3	
Vinyl chloride	2.573	2.420	00	6.0	25.0
Chloroethane	1.168	0.947		19.0	
Methylene Chloride	1.818	1.668		8.3	
Acetone	0.688	0.549		20.2	
Carbon Disulfide	5.038	4.182		17.0	
1,1-Dichloroethene	1.225	1.117	00	8.8	25.0
1,1-Dichloroethane	4.138	3.726	00	10.0	25.0
1,2-Dichloroethene (total)	1.679	~~3.116~~	~~1.429~~ 1.558	~~-85.6~~	~~14.9~~ 7.2 JSO 4/22/95
Chloroform	3.627	3.216	00	11.3	25.0
1,2-Dichloroethane	2.956	2.188		26.0	
2-Butanone	1.282	1.259		1.8	
1,1,1-Trichloroethane	0.577	0.471		18.4	
Carbon Tetrachloride	0.495	0.397		19.7	
Vinyl acetate	1.248	1.237		0.9	
Bromodichloromethane	0.629	0.571		9.2	
1,2-Dichloropropane	0.498	0.489	00	1.9	25.0
cis-1,3-Dichloropropene	0.729	0.691		5.3	
Trichloroethene	0.427	0.443		-3.8	
1,1,2-Trichloroethane	0.331	0.323		2.4	
Benzene	1.241	1.195		3.7	
trans-1,3-Dichloropropene	0.700	0.642		8.3	
Bromoform	0.300	0.317	00	-5.7	25.0
4-Methyl-2-pentanone	0.624	0.629		-0.8	
2-Hexanone	0.457	0.437		4.4	
Tetrachloroethene	0.419	0.424		-1.1	
1,1,2,2-Tetrachloroethane	0.590	0.495	00	16.1	~~25.0~~
Toluene	1.452	1.401	00	3.5	25.0
Chlorobenzene	0.949	0.971	00	-2.3	~~25.0~~
Ethylbenzene	0.401	0.419	00	-4.4	25.0
Styrene	0.941	0.968		-2.8	
Xylene (total)	1.257	1.243		1.1	
Acrolein	9.083	8.478		6.7	
Acrylonitrile	2.840	2.776		2.3	
Trichlorofluoromethane	1.673	1.099		34.3	
Dichlorodifluoromethane	2.944	1.612		45.2	

All other compounds must meet a minimum RRF of 0.010.

7C

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: gc12 Calibration Date: 04/11/95 Time: 2139

Lab File ID: BYB411 Init. Calib. Date(s): 04/03/95 04/03/95

Heated Purge: (Y/N) N Init. Calib. Times: 1252 1506

GC Column: ID: (mm)

COMPOUND	$\overline{RRF}$	RRF50+	MIN RRF	%D	MAX %D
Acetonitrile	9.296	9.137		1.7	
Iodomethane	5.751	5.428		5.6	
Propionitrile (Ethyl Cyanide)	0.301	0.342		-13.6	
3-Chloropropene	1.709	1.536		10.2	
Methacrylonitrile	3.297	3.376		-2.4	
Dibromomethane	0.621	0.578		6.9	
Isobutyl alcohol	1.360	1.625		-19.5	
1,2-Dibromoethane	0.861	0.822		4.5	
1,1,1,2-Tetrachloroethane	0.802	0.834		-4.1	
1,2,3-Trichloropropane	1.222	1.096		10.3	
Methylmethacrylate	1.226	1.037		15.4	
Ethylmethacrylate	1.354	1.198		11.5	
Pentachloroethane	0.508	0.450		11.4	
Toluene-d8	1.131	1.172		-3.6	
4-Bromofluorobenzene	0.651	0.609		6.5	
1,2-Dichloroethane-d4	2.115	1.549		26.8	

FORM VII VO-2 3/90 Rev.

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i
Lab File ID: yb411.d
Analysis Type:
Lab Sample ID:
Method File: /chem/gcl2.i/950411a.b/8240w2.m

Injection Date: 11-APR-1995 21:39
Init. Calibration Date(s): 04/03/95 04/03/95
Init. Calibration Times: 10:34 15:06
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	2.944	1.612	0.000	45.2	40.0	
	2 Chloromethane	2.862	#2.949	0.300	3.1	40.0	
	3 Vinyl Chloride	2.573	2.419	0.000	6.0	25.0	*
	4 Bromomethane	1.908	1.826	0.000	4.3	40.0	
	5 Chloroethane	1.168	0.947	0.000	18.9	40.0	
	6 Trichlorofluoromethane	1.673	1.099	0.000	34.3	40.0	
	7 Trichlorotrifluoroethane	++++	++++	0.000	++++	40.0	<-
	8 Methyl-tert-butylether	++++	++++	0.010	++++	40.0	<-
	9 Ethyl ether	++++	++++	0.010	++++	40.0	<-
	10 Acrolein	0.227	0.212	0.000	6.7	40.0	
	11 1,1-Dichloroethene	1.225	1.117	0.000	8.8	25.0	*
	12 Iodomethane	2.712	2.714	0.000	0.1	40.0	
	13 Acetone	0.688	0.549	0.000	20.2	40.0	
	14 Carbon Disulfide	5.038	4.182	0.000	17.0	40.0	
	15 3-Chloropropene	0.807	0.768	0.000	4.9	40.0	
	16 Acetonitrile	1.162	1.142	0.000	1.7	40.0	
	17 Methylene Chloride	1.818	1.668	0.000	8.3	40.0	
	18 Acrylonitrile	0.355	0.347	0.000	2.2	40.0	
	19 1,1-Dichloroethane	4.138	#3.726	0.300	10.0	40.0	
	20 Vinyl acetate	1.248	1.237	0.000	0.9	40.0	
	21 1,2-Dichloroethene (total)	1.679	1.558	0.000	7.2	40.0	
	22 cis-1,2-Dichloroethene	2.011	2.028	0.000	0.9	40.0	
	23 2-Butanone	1.280	1.259	0.000	1.7	40.0	
	24 Ethyl acetate	++++	++++	0.010	++++	40.0	<-
	25 Propionitrile	0.038	0.043	0.000	13.0	40.0	
	26 Methacrylonitrile	1.541	1.688	0.000	9.5	40.0	
	28 Chloroform	3.496	3.216	0.000	8.0	25.0	*
	29 1,1,1-Trichloroethane	0.552	0.471	0.000	14.7	40.0	
	30 Carbon Tetrachloride	0.475	0.397	0.000	16.2	40.0	
	31 Tetrahydrofuran	++++	++++	0.000	++++	40.0	<-
	32 Isobutanol	0.015	0.020	0.000	36.4	40.0	
$	33 1,2-Dichloroethane-d4	2.115	1.550	0.000	26.7	40.0	
	34 Benzene	1.105	1.195	0.000	8.2	40.0	
	35 1,2-Dichloroethane	2.742	2.188	0.000	20.2	40.0	
	37 Crotononitrile	0.034	0.035	0.000	3.0	40.0	
	38 Trichloroethene	0.406	0.443	0.000	9.2	40.0	
	39 1,2-Dichloropropane	0.481	0.489	0.000	1.6	25.0	*
	40 Methylmethacrylate	0.536	0.519	0.000	3.3	40.0	
	41 Dibromomethane	0.277	0.289	0.000	4.3	40.0	

Gulf Coast

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcl2.i
Lab File ID: yb411.d
Analysis Type:
Lab Sample ID:
Method File: /chem/gcl2.i/950411a.b/8240w2.m

Injection Date: 11-APR-1995 21:39
Init. Calibration Date(s): 04/03/95 04/03/95
Init. Calibration Times: 10:34 15:06
Quant Type: ISTD

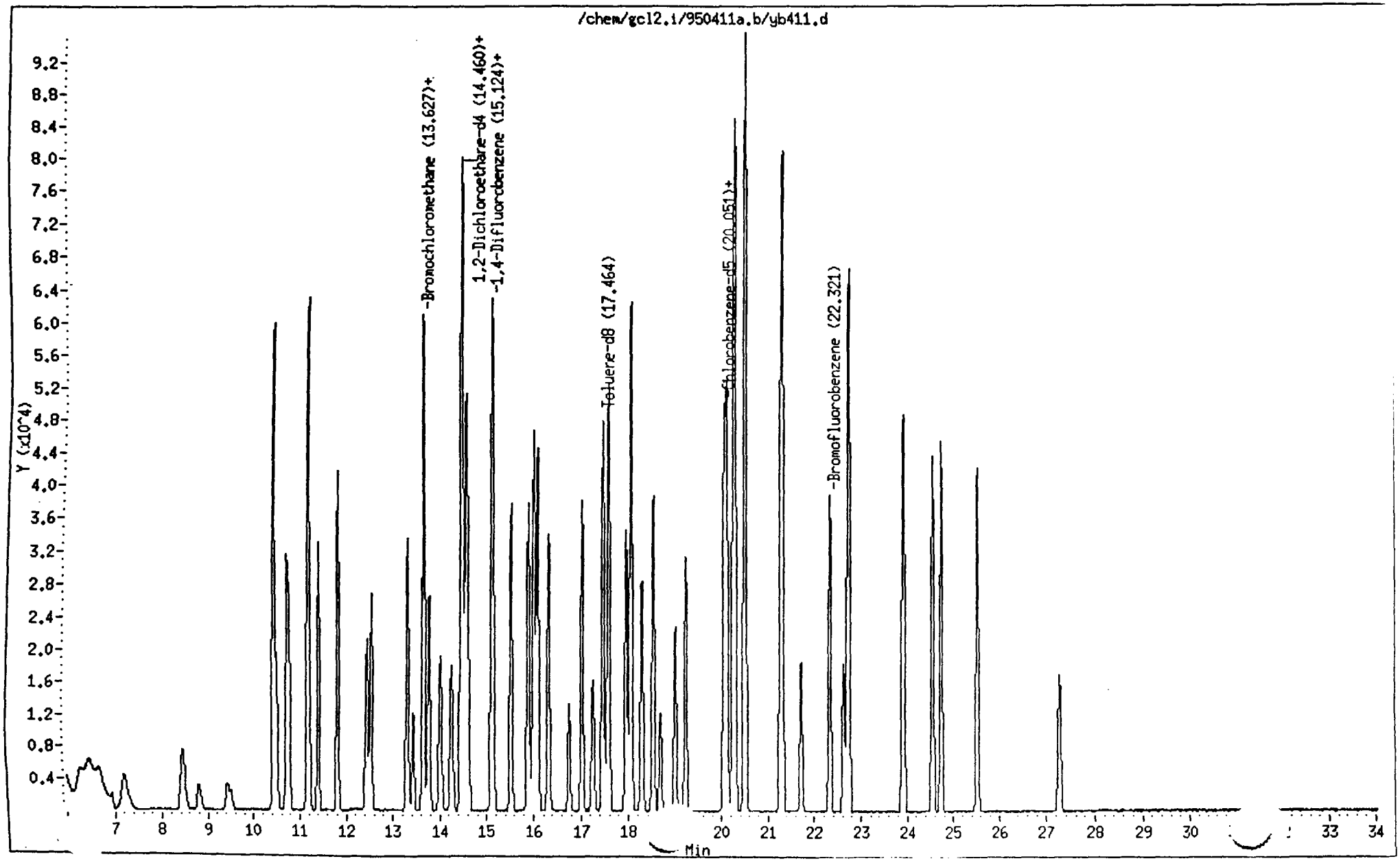
	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	42 Bromodichloromethane	0.602	0.571	0.000	5.1	40.0	
	43 2-Chloroethylvinylether	0.189	0.163	0.000	13.4	40.0	
	44 cis-1,3-Dichloropropene	0.699	0.691	0.000	1.2	40.0	
	45 2-Nitropropane	++++	0.690	0.010	++++	40.0	<-
$	46 Toluene-d8	1.131	1.173	0.000	3.7	40.0	
	47 Toluene	1.363	1.401	0.010	2.8	25.0	*
	48 trans-1,3-Dichloropropene	0.673	0.642	0.000	4.6	40.0	
	49 4-Methyl-2-pentanone	0.626	0.629	0.000	0.5	40.0	
	50 Ethylmethacrylate	0.612	0.599	0.000	2.1	40.0	
	51 1,1,2-Trichloroethane	0.319	0.323	0.000	1.2	40.0	
	52 Tetrachloroethene	0.397	0.424	0.000	6.7	40.0	
	53 2-Hexanone	0.457	0.437	0.000	4.4	40.0	
	54 Dibromochloromethane	0.403	++++	0.000	++++	40.0	<-
	55 1,2-Dibromoethane	0.388	0.411	0.000	5.9	40.0	
	57 Chlorobenzene	0.901	# 0.971	0.300	7.8	40.0	
	58 1,1,1,2-Tetrachloroethane	0.345	0.417	0.000	21.0	40.0	
	59 Ethylbenzene	0.363	0.419	0.000	15.2	25.0	*
	60 m,p-xylene	1.094	1.206	0.000	10.2	40.0	
	61 Xylene (total)	1.172	1.243	0.000	6.1	40.0	
	62 Styrene	0.877	0.968	0.000	10.4	40.0	
	63 Bromoform	0.295	# 0.317	0.250	7.5	40.0	
$	64 Bromofluorobenzene	0.652	0.609	0.000	6.5	40.0	
	65 1,2,3-Trichloropropane	0.553	0.548	0.000	0.9	40.0	
	66 1,1,2,2-Tetrachloroethane	0.573	# 0.495	0.300	13.6	40.0	
	67 trans-1,4-Dichloro-2-butene	0.085	0.078	0.000	7.7	40.0	
	68 Pentachloroethane	0.227	0.225	0.000	0.8	40.0	
	69 1,3-Dichlorobenzene	0.775	0.714	0.000	7.9	40.0	
	70 1,4-Dichlorobenzene	0.766	0.697	0.000	9.0	40.0	
	71 1,2-Dichlorobenzene	0.737	0.675	0.000	8.4	40.0	
	72 1,2-dibromo-3-chloropropane	0.116	0.102	0.000	12.5	40.0	
	73 Naphthalene	++++	++++	0.000	++++	40.0	<-

Data File: /chem/gcl2.i/950411a.b/yb411.d
Date : 11-APR-1995 21:39
Client ID:
Sample Info: STD50++ BXC411

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/yb411.d
Lab Smp Id:
Inj Date : 11-APR-1995 21:39
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : STD50++ BXC411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+2.5UL257,267,269,251+2UL26
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	Dichlorodifluoromethane	85.00	5.314	5.314	(0.390)	18760	50.00	27.38(M)
2	Chloromethane	50.00	6.483	6.483	(0.476)	34316	50.00	51.53
3	Vinyl Chloride	62.00	7.197	7.197	(0.528)	28153	50.00	47.01
4	Bromomethane	94.00	8.445	8.445	(0.620)	21245	50.00	47.84
5	Chloroethane	64.00	8.782	8.782	(0.644)	11015	50.00	40.53
6	Trichlorofluoromethane	101.00	9.426	9.426	(0.692)	12789	50.00	32.84(M)
10	Acrolein	56.00	10.426	10.426	(0.765)	98651	2000	1867(M)
11	1,1-Dichloroethene	96.00	10.486	10.486	(0.769)	13001	50.00	45.59
12	Iodomethane	142.00	10.714	10.714	(0.786)	63165	100.0	100.1
13	Acetone	43.00	10.743	10.743	(0.788)	6389	50.00	39.88
14	Carbon Disulfide	76.00	10.763	10.763	(0.790)	48661	50.00	41.50
15	3-Chloropropene	76.00	11.169	11.169	(0.820)	17867	100.0	95.12
16	Acetonitrile	41.00	11.169	11.169	(0.820)	106314	400.0	393.2
17	Methylene Chloride	84.00	11.387	11.387	(0.836)	19404	50.00	45.87
18	Acrylonitrile	53.00	11.814	11.814	(0.867)	32299	400.0	391.0
19	1,1-Dichloroethane	63.00	12.428	12.428	(0.912)	43356	50.00	45.02
20	Vinyl acetate	43.00	12.517	12.517	(0.829)	72735	50.00	49.55
21	1,2-Dichloroethene (total)	96.00	13.280	13.280	(0.975)	36255	100.0	92.81(M)
22	cis-1,2-Dichloroethene	96.00	13.280	13.280	(0.975)	23601	50.00	50.43
23	2-Butanone	43.00	13.320	13.320	(0.977)	14646	50.00	49.16(M)
25	Propionitrile	54.00	13.419	13.419	(0.888)	20097	400.0	452.1
26	Methacrylonitrile	41.00	13.627	13.627	(1.000)	39281	100.0	109.5
* 27	Bromochloromethane	127.80	13.627	13.627	(1.000)	11636	50.00	
28	Chloroform	83.00	13.746	13.746	(1.009)	37418	50.00	45.99
	,1,1-Trichloroethane	97.00	14.004	14.004	(0.927)	27687	50.00	42.65
	Carbon Tetrachloride	116.80	14.242	14.242	(0.943)	23369	50.00	41.88
32	Isobutanol	43.00	14.450	14.450	(0.957)	95568	4000	5454
$ 33	1,2-Dichloroethane-d4	65.00	14.480	14.480	(1.063)	18030	50.00	36.63
34	Benzene	78.00	14.559	14.559	(0.964)	70257	50.00	54.09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35	1,2-Dichloroethane	62.00	14.599	14.599	(1.071)	25460	50.00	39.89
* 36	1,4-Difluorobenzene	114.00	15.104	15.104	(1.000)	58800	50.00	
37	Crotononitrile	67.00	15.134	15.134	(1.002)	16445	400.0	411.8
38	Trichloroethene	130.00	15.521	15.521	(1.028)	26053	50.00	54.59
39	1,2-Dichloropropane	63.00	15.887	15.887	(1.052)	28729	50.00	50.80
40	Methylmethacrylate	41.00	16.007	16.007	(1.060)	60984	100.0	96.70
41	Dibromomethane	174.00	16.086	16.086	(1.065)	33993	100.0	104.3
42	Bromodichloromethane	83.00	16.314	16.314	(1.080)	33598	50.00	47.46
43	2-Chloroethylvinylether	63.00	16.750	16.750	(1.109)	9606	50.00	43.32
44	cis-1,3-Dichloropropene	75.00	17.028	17.028	(1.127)	40606	50.00	49.40
45	2-Nitropropane	43.00	17.246	17.246	(1.266)	32104	200.0	
$ 46	Toluene-d8	98.00	17.464	17.464	(0.871)	59856	50.00	51.83
47	Toluene	91.00	17.573	17.573	(0.877)	71503	50.00	51.39
48	trans-1,3-Dichloropropene	75.00	17.950	17.950	(0.896)	32761	50.00	47.71
49	4-Methyl-2-pentanone	43.00	17.246	17.246	(0.861)	32104	50.00	50.26
50	Ethylmethacrylate	69.00	18.049	18.049	(0.901)	61162	100.0	97.87
51	1,1,2-Trichloroethane	97.00	18.277	18.277	(1.210)	19003	50.00	50.59
52	Tetrachloroethene	164.00	18.525	18.525	(0.924)	21632	50.00	53.34
53	2-Hexanone	43.00	18.684	18.684	(0.932)	22291	50.00	47.78
54	1,2-Dibromoethane	107.00	19.219	19.219	(1.272)	48355	100.0	105.9
	Chlorobenzene-d5	117.00	20.041	20.041	(1.000)	51047	50.00	
	Chlorobenzene	112.00	20.101	20.101	(1.003)	49573	50.00	53.88
58	1,1,1,2-Tetrachloroethane	131.00	20.250	20.250	(1.010)	42600	100.0	121.0
59	Ethylbenzene	106.00	20.280	20.280	(1.012)	21368	50.00	57.58
60	m,p-xylene	91.00	20.498	20.498	(1.023)	123084	100.0	110.2
61	Xylene (total)	91.00	21.271	21.271	(1.061)	63467	50.00	53.05
62	Styrene	104.00	21.301	21.301	(1.063)	49391	50.00	55.18
63	Bromoform	173.00	21.707	21.707	(1.437)	18639	50.00	53.75
64	Bromofluorobenzene	95.00	22.321	22.321	(1.114)	31107	50.00	46.76
65	1,2,3-Trichloropropane	75.00	22.718	22.718	(1.134)	55962	100.0	99.10
66	1,1,2,2-Tetrachloroethane	83.00	22.619	22.619	(1.129)	25275	50.00	43.22
67	trans-1,4-Dichloro-2-butene	89.00	22.728	22.728	(1.134)	7997	100.0	92.32
68	Pentachloroethane	167.00	23.908	23.908	(1.193)	22979	100.0	99.17
69	1,3-Dichlorobenzene	146.00	24.544	24.544	(1.225)	36434	50.00	46.07
70	1,4-Dichlorobenzene	146.00	24.732	24.732	(1.234)	35571	50.00	45.49
71	1,2-Dichlorobenzene	146.00	25.516	25.516	(1.273)	34470	50.00	45.82
72	1,2-dibromo-3-chloropropane	157.00	27.264	27.264	(1.360)	10402	100.0	87.47

QC Flag Legend

M - Compound response manually integrated.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date: 04/05/95 Time: 0800

Lab File ID: FOA405 Init. Calib. Date(s): 03/29/95 03/29/95

Matrix:(soil/water) _____ Level:(low/med) LOW Column:(pack/cap) CAP

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

COMPOUND		RRF	RRF50+	%D	
Chloromethane	#	0.758	0.616	18.7	#
Bromomethane		1.549	1.323	14.6	
Vinyl chloride	*	0.930	0.813	12.6	*
Chloroethane		0.542	0.503	7.3	
Methylene Chloride		1.580	1.597	-1.1	
Acetone		0.235	0.210	10.8	
Carbon Disulfide		2.168	3.495	-61.2	
1,1-Dichloroethene	*	1.015	1.097	-8.1	*
1,1-Dichloroethane	#	1.887	2.220	-17.7	#
1,2-Dichloroethene (total)		1.272	~~2.798~~ 1.349 1.20.	9.9	JSO 9/22/95
Chloroform	*	2.791	2.987	-7.0	*
1,2-Dichloroethane		1.464	1.460	0.3	
2-Butanone		0.507	0.239	52.8	
1,1,1-Trichloroethane		0.611	0.647	-5.9	
Carbon Tetrachloride		0.573	0.620	-8.2	
Vinyl acetate		1.774	1.352	23.8	
Bromodichloromethane		0.861	0.847	1.7	
1,2-Dichloropropane	*	0.321	0.358	-11.4	*
cis-1,3-Dichloropropene		0.558	0.577	-3.4	
Trichloroethene		0.479	0.459	4.1	
Dibromochloromethane		0.650	0.675	-3.8	
1,1,2-Trichloroethane		0.347	0.335	3.4	
Benzene		0.808	0.884	-9.4	
trans-1,3-Dichloropropene		0.467	0.444	4.9	
Bromoform	#	0.421	0.479	-13.7	#
4-Methyl-2-pentanone		0.369	0.190	48.5	
2-Hexanone		0.242	0.120	50.2	
Tetrachloroethene		0.761	0.583	23.4	
1,1,2,2-Tetrachloroethane	#	0.616	0.660	-7.2	#
Toluene	*	0.766	0.757	1.2	*
Chlorobenzene	#	0.932	0.998	-7.1	#
Ethylbenzene	*	0.372	0.421	-13.2	*
Styrene		0.767	0.905	-18.0	
Xylene (total)		0.957	1.214	-26.9	
Acrolein		6.427	3.364	47.7	
Acrylonitrile		1.888	0.895	52.6	
Trichlorofluoromethane		2.716	2.349	13.5	

7D

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date: 04/05/95 Time: 0800

Lab File ID: FOA405 Init. Calib. Date(s): 03/29/95 03/29/95

Matrix:(soil/water) _____ Level:(low/med) LOW Column:(pack/cap) CAP

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

COMPOUND	$\overline{RRF}$	RRF50+	%D
Dichlorodifluoromethane	2.060	1.047	49.2
Acetonitrile	2.939	2.563	12.8
Iodomethane	6.778	7.331	-8.2
Propionitrile (Ethyl Cyanide)	0.212	0.083	60,7
3-Chloropropene	1.031	0.986	4.4
Methacrylonitrile	1.000	0.602	39.8
Dibromomethane	1.057	0.864	18.2
Isobutyl alcohol	0.748	0.321	57.1
1,2-Dibromoethane	1.974	1.422	28.0
1,1,1,2-Tetrachloroethane	1.040	1.165	-12.0
1,2,3-Trichloropropane	1.273	1.066	16.3
trans-1,4-Dichloro-2-butene	0.184	0.139	24.6
1,2-Dibromo-3-chloropropane	0.193	0.229	-18.4
Methylmethacrylate	0.735	0.475	35.4
Ethylmethacrylate	0.861	0.612	29.0
Pentachloroethane	0.434	0.872	-101.
Toluene-d8	1.244	1.113	10.5
4-Bromofluorobenzene	0.769	0.926	-20.4
1,2-Dichloroethane-d4	1.347	1.167	13.3

Continuing Calibration Report inst #6

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Apr 04 10:48:00 1995
Response via : Continuing Calibration

Continuing Calibration File: FOA405.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	Bromochloromethane	1.000	1.000	0.0	67
2		Dichlorodifluoromethane	2.060	1.047	49.2#	33#
3	T	Chloromethane	0.758	0.616	18.7	53
4	T	Bromomethane	1.549	1.323	14.6	56
5	T	Vinyl Chloride	0.930	0.813	12.6	57
6	T	Chloroethane	0.542	0.503	7.2	61
7		Trichlorofluoromethane	2.716	2.349	13.5	58
8		Acrolein	0.161	0.084	47.7#	31#
9		Iodomethane	3.175	3.665	-15.5	65
10	T	Acetone	0.235	0.210	10.6	37#
11	T	Carbon Disulfide	2.168	3.495	-61.2#	86
12	M	1,1-Dichloroethene	1.015	1.097	-8.1	69
13	I	Methylene Chloride	1.580	1.597	-1.1	64
14		3-Chloropropene	0.490	0.493	-0.5	62
15		Acetonitrile	0.367	0.320	12.8	55
16		Acrylonitrile	0.236	0.112	52.6#	30#
17		Vinyl Acetate	1.774	1.351	23.8	53
18	T	1,1-Dichloroethane	1.887	2.220	-17.6	79
19	T	1,2-Dichloroethene (total)	1.273	1.399	-9.9	70
20		Methacrylonitrile	0.485	0.301	37.9#	39#
21		2-Butanone	0.507	0.239	52.8#	29#
22	T	Chloroform	2.791	2.987	-7.0	69
23	S	1,2-Dichloroethane-d4	1.347	1.167	13.3	55
24	T	1,2-Dichloroethane	1.464	1.460	0.3	64
25	I	1,4-Difluorobenzene	1.000	1.000	0.0	71
26		Propionitrile	0.027	0.010	60.7#	26#
27	T	1,1,1-Trichloroethane	0.611	0.647	-5.9	72
28	T	Carbon Tetrachloride	0.573	0.620	-8.1	75
29	T	Bromodichloromethane	0.861	0.847	1.7	66
30		Isobutanol	0.009	0.004	57.1#	19#
31		Crotononitrile	0.030	0.014	54.7#	30#
32	T	1,2-Dichloropropane	0.321	0.358	-11.5	75
33	T	cis-1,3-Dichloropropene	0.558	0.577	-3.4	70
34	M	Trichloroethene	0.480	0.459	4.2	68
35	M	Benzene	0.808	0.884	-9.4	76
36		Methylmethacrylate	0.356	0.237	33.3#	44#
37		Dibromomethane	0.508	0.432	14.9	58
38		Ethylmethacrylate	0.414	0.306	26.2#	46#
39	T	Dibromochloromethane	0.651	0.675	-3.7	63
40	T	trans-1,3-Dichloropropene	0.467	0.444	4.9	63
41	T	1,1,2-Trichloroethane	0.347	0.335	3.4	61

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Apr 04 10:48:00 1995
Response via : Continuing Calibration

Continuing Calibration File: FOA405.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
42	T	Bromoform	0.421	0.479#	-13.8	57
43	I	2-Chloroethylvinylether	0.196	0.097	50.6#	33#
44	I	Chlorobenzene-d5	1.000	1.000	0.0	65
45	T	4-Methyl-2-Pentanone	0.369	0.190	48.4#	31#
46	T	2-Hexanone	0.242	0.120	50.2#	28#
47	T	Tetrachloroethene	0.761	0.583	23.4	45#
48	T	1,1,2,2-Tetrachloroethane	0.616	0.660#	-7.3	54
49	S	Toluene-d8	1.244	1.113	10.5	64
50	M	Toluene	0.767	0.757	1.3	69
51		1,2-Dibromoethane	0.951	0.711	25.2#	50
52	M	Chlorobenzene	0.932	0.998#	-7.1	69
53		1,1,1,2-Tetrachloroethane	0.490	0.582	-18.8	69
54	T	Ethylbenzene	0.372	0.421	-13.1	73
55	S	Bromofluorobenzene	0.769	0.926	-20.3	66
56		trans-1,4-Dichloro-2-butene	0.090	0.069	23.2	36#
57		1,2,3-Trichloropropane	0.608	0.533	12.4	44#
58		Pentachloroethane	0.196	0.436	-122.8#	153#
59		1,3-Dichlorobenzene	0.552	0.914	-65.5#	80
60		1,4-Dichlorobenzene	0.597	0.960	-60.9#	76
61		1,2-Dichlorobenzene	0.448	0.845	-88.4#	91
62		1,2-Dibromo-3-chloropropane	0.089	0.114	-29.1#	65
63	T	Styrene	0.767	0.905	-18.0	69
64	T	Xylene (total)	0.957	1.214	-26.8#	74

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FOA405.D Vial: 3
Acq On : 5 Apr 95 8:00 am Operator:
Sample : STD50++ FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL256,257 Multiplr: 1.00
Quant Time: Apr 5 8:45 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.37	128	1287863	50.00	ug/l		0.00
25) 1,4-Difluorobenzene	20.14	114	4848775	50.00	ug/l		0.00
44) Chlorobenzene-d5	26.07	117	3608111	50.00	ug/l		0.00
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.40	65	1503467	51.90	ug/l		103.80%
49) Toluene-d8	23.02	98	4015877	50.69	ug/l		101.37%
55) Bromofluorobenzene	28.70	95	3339698	52.69	ug/l		105.38%
Target Compounds							Qvalue
2) Dichlorodifluoromethane	7.90	85	1347759	22.84	ug/l	m	48
3) Chloromethane	9.44	50	793552	36.88	ug/l		98
4) Bromomethane	11.94	94	1703759	41.55	ug/l		100
5) Vinyl Chloride	10.33	62	1047275	38.96	ug/l		99
6) Chloroethane	12.39	64	647467	43.41	ug/l		99
7) Trichlorofluoromethane	13.23	101	3025116	39.04	ug/l		99
8) Acrolein	14.36	56	4332764	2340.99	ug/l		96
9) Iodomethane	14.85	142	9440735	92.99	ug/l		97
10) Acetone	14.73	43	270112	66.34	ug/l	m	94
11) Carbon Disulfide	14.96	76	4501597	44.26	ug/l		100
12) 1,1-Dichloroethene	14.54	96	1412960	43.64	ug/l		98
13) Methylene Chloride	15.58	84	2056569	51.02	ug/l		89
14) 3-Chloropropene	15.33	76	1269365	91.37	ug/l	#	63
15) Acetonitrile	15.33	41	3300141	380.66	ug/l		89
16) Acrylonitrile	16.04	53	1152389	510.80	ug/l		96
17) Vinyl Acetate	16.92	43	1740534	57.91	ug/l		94
18) 1,1-Dichloroethane	16.88	63	2859625	47.73	ug/l		99
19) 1,2-Dichloroethene (total)	16.12	96	3603104	94.53	ug/l	m	93
20) Methacrylonitrile	18.30	41	775002	129.22	ug/l	m	87
21) 2-Butanone	17.92	43	308344	60.54	ug/l	m	0
22) Chloroform	18.47	83	3846587	48.43	ug/l		99
24) 1,2-Dichloroethane	19.53	62	1880715	53.07	ug/l		100
26) Propionitrile	18.02	54	404237	549.66	ug/l	m	62
27) 1,1,1-Trichloroethane	18.86	97	3138231	51.63	ug/l		99
28) Carbon Tetrachloride	19.18	117	3006760	52.96	ug/l		98
29) Bromodichloromethane	21.60	83	4105667	52.80	ug/l		98
30) Isobutanol	19.20	43	1557190	5439.23	ug/l		99
31) Crotononitrile	20.12	67	530601	562.67	ug/l	m	75
32) 1,2-Dichloropropane	21.12	63	1733619	52.93	ug/l		99
33) cis-1,3-Dichloropropene	22.44	75	2797520	53.45	ug/l		99
34) Trichloroethene	20.69	130	2227293	50.43	ug/l		97
35) Benzene	19.53	78	4286937	50.88	ug/l		100
36) Methylmethacrylate	21.18	41	2302153	118.22	ug/l		92

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FOA405.D Vial: 3
Acq On : 5 Apr 95 8:00 am Operator:
Sample : STD50++ FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL256,257 Multiplr: 1.00
Quant Time: Apr 5 8:45 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

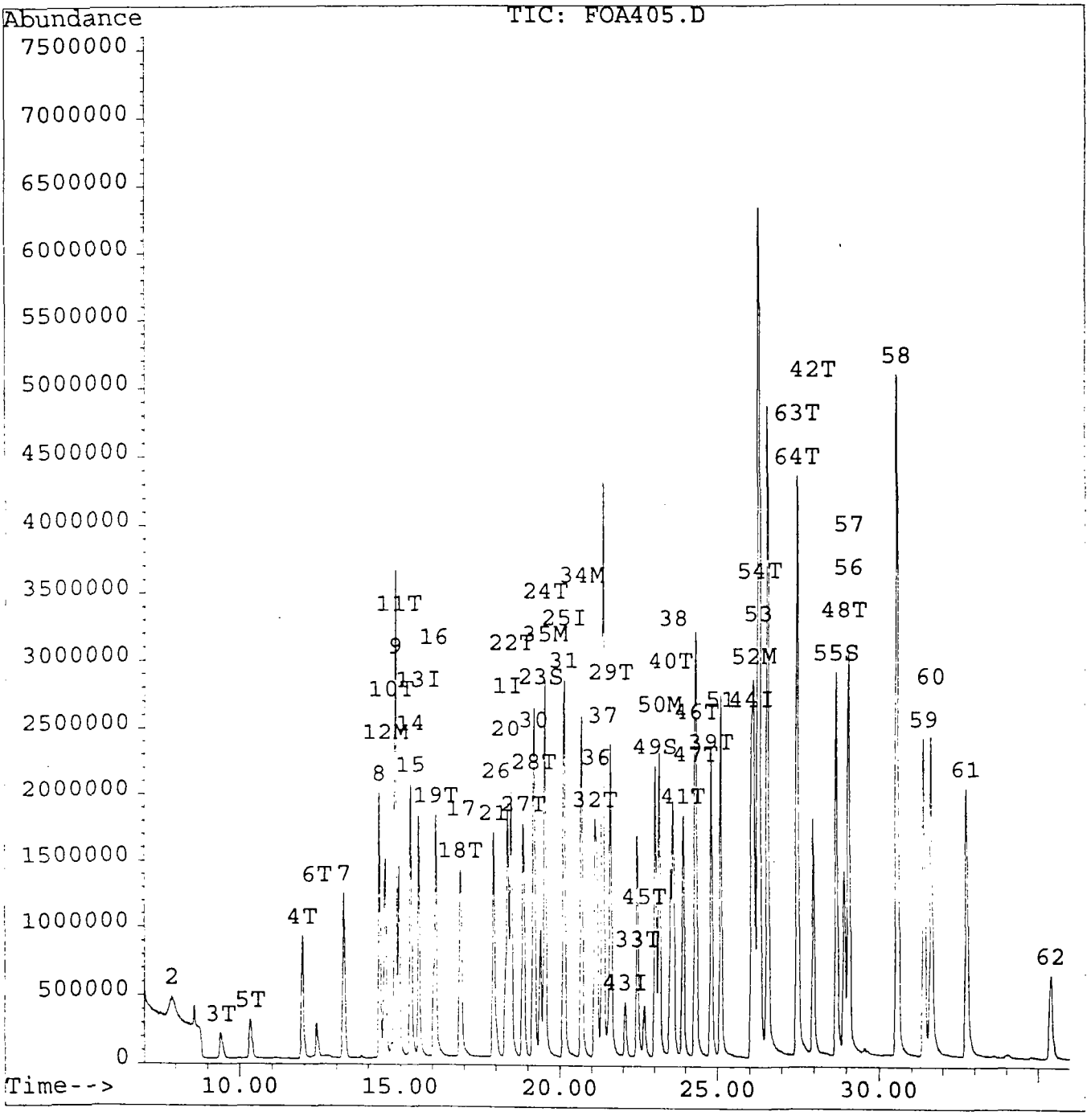
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Dibromomethane	21.36	174	4191237	110.96	ug/l		83
38)	Ethylmethacrylate	23.59	69	2965323	119.89	ug/l	#	84
39)	Dibromochloromethane	24.81	129	3271877	55.36	ug/l		97
40)	trans-1,3-Dichloropropene	23.51	75	2153224	54.14	ug/l		97
41)	1,1,2-Trichloroethane	23.92	97	1625378	57.52	ug/l		98
42)	Bromoform	27.99	173	2321037	59.15	ug/l		100
43)	2-Chloroethylvinylether	22.07	63	468938	59.74	ug/l		89
45)	4-Methyl-2-Pentanone	22.67	43	685899	65.44	ug/l		93
46)	2-Hexanone	24.35	43	434306	68.46	ug/l		90
47)	Tetrachloroethene	24.31	164	2102625	47.22	ug/l		98
48)	1,1,2,2-Tetrachloroethane	28.94	83	2382338	66.60	ug/l	m	98
50)	Toluene	23.16	92	2729911	50.41	ug/l		99
51)	1,2-Dibromoethane	25.10	107	5130647	112.26	ug/l		100
52)	Chlorobenzene	26.15	112	3601280	49.75	ug/l		98
53)	1,1,1,2-Tetrachloroethane	26.28	131	4202155	101.40	ug/l		97
54)	Ethylbenzene	26.32	106	1519459	49.01	ug/l	#	78
56)	trans-1,4-Dichloro-2-buten	29.08	89	500268	120.90	ug/l	#	1
57)	1,2,3-Trichloropropane	29.08	75	3846368	122.43	ug/l		98
58)	Pentachloroethane	30.57	167	3147756	114.73	ug/l		87
59)	1,3-Dichlorobenzene	31.41	146	3297730	52.24	ug/l		99
60)	1,4-Dichlorobenzene	31.64	146	3464340	55.97	ug/l	m	96
61)	1,2-Dichlorobenzene	32.76	146	3047263	55.69	ug/l		99
62)	1,2-Dibromo-3-chloropropan	35.40	157	824529	155.81	ug/l		89
63)	Styrene	27.51	104	3265950	50.03	ug/l		91
64)	Xylene (total)	27.49	91	4380647	49.76	ug/l		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FOA405.D Vial: 3
Acq On : 5 Apr 95 8:00 am Operator:
Sample : STD50++ FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL256,257 Multiplr: 1.00
Quant Time: Apr 5 8:45 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration



7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date: 04/10/95 Time: 0815

Lab File ID: FOA410 Init. Calib. Date(s): 03/29/95 03/29/95

Matrix:(soil/water) _____ Level:(low/med) LOW Column:(pack/cap) CAP

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

COMPOUND		$\overline{RRF}$	RRF 50	%D		
Chloromethane	#	0.758	0.840	-10.8	#	
Bromomethane		1.549	1.515	2.2		
Vinyl chloride	*	0.930	0.991	-6.6	*	
Chloroethane		0.542	0.553	-2.0		
Methylene Chloride		1.580	1.627	-2.9		
Acetone		0.235	0.387	-64.8		
Carbon Disulfide		2.168	3.203	-47.7		
1,1-Dichloroethene	*	1.015	1.093	-7.6	*	
1,1-Dichloroethane	#	1.887	2.088	-10.6	#	
1,2-Dichloroethene (total)		1.272	~~2.715~~	~~-113~~		1.357 6.1 gso 4/22/95
Chloroform	*	2.791	2.762	1.1	*	
1,2-Dichloroethane		1.464	1.529	-4.4		
2-Butanone		0.507	0.536	-5.8		
1,1,1-Trichloroethane		0.611	0.619	-1.3		
Carbon Tetrachloride		0.573	0.573	0.1		
Vinyl acetate		1.774	1.772	0.1		
Bromodichloromethane		0.861	0.834	3.1		
1,2-Dichloropropane	*	0.321	0.342	-6.5	*	
cis-1,3-Dichloropropene		0.558	0.573	-2.6		
Trichloroethene		0.479	0.447	6.8		
Dibromochloromethane		0.650	0.726	-11.7		
1,1,2-Trichloroethane		0.347	0.384	-10.8		
Benzene		0.808	0.853	-5.6		
trans-1,3-Dichloropropene		0.467	0.491	-5.2		
Bromoform	#	0.421	0.570	-35.3	#	
4-Methyl-2-pentanone		0.369	0.397	-7.7		
2-Hexanone		0.242	0.276	-14.0		
Tetrachloroethene		0.761	0.654	14.0		
1,1,2,2-Tetrachloroethane	#	0.616	0.739	-19.9	#	
Toluene	*	0.766	0.731	4.5	*	
Chlorobenzene	#	0.932	1.012	-8.6	#	
Ethylbenzene	*	0.372	0.415	-11.6	*	
Styrene		0.767	0.849	-10.6		
Xylene (total)		0.957	1.108	-15.7		
Acrolein		6.427	5.390	16.1		
Acrylonitrile		1.888	1.906	-1.0		
Trichlorofluoromethane		2.716	2.677	1.4		

7C

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Instrument ID: GCL#6 Calibration Date: 04/10/95 Time: 0815

Lab File ID: FOA410 Init. Calib. Date(s): 03/29/95 03/29/95

Matrix:(soil/water) _____ Level:(low/med) LOW Column:(pack/cap) CAP

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

COMPOUND	$\overline{RRF}$	RRF 50	%D
Dichlorodifluoromethane	2.060	2.354	-14.3
Acetonitrile	2.939	2.962	-0.8
Iodomethane	6.778	7.747	-14.3
Propionitrile (Ethyl Cyanide)	0.212	0.195	7.9
3-Chloropropene	1.031	1.009	2.2
Methacrylonitrile	1.000	0.892	10.8
Dibromomethane	1.057	0.982	7.1
Isobutyl alcohol	0.748	0.489	34.6
1,2-Dibromoethane	1.974	1.833	7.2
1,1,1,2-Tetrachloroethane	1.040	1.112	-6.9
1,2,3-Trichloropropane	1.273	1.423	-11.8
trans-1,4-Dichloro-2-butene	0.184	0.225	-22.4
1,2-Dibromo-3-chloropropane	0.193	0.145	24.7
Methylmethacrylate	0.735	0.676	8.0
Ethylmethacrylate	0.861	0.887	-3.0
Pentachloroethane	0.434	0.487	-12.3
Toluene-d8	1.244	1.090	12.4
4-Bromofluorobenzene	0.769	0.806	-4.8
1,2-Dichloroethane-d4	1.347	1.255	6.9

Continuing Calibration Report inst #6

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 19 22:10:43 1995
Response via : Continuing Calibration

Continuing Calibration File: FOA410.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	Bromochloromethane	1.000	1.000	0.0	103
2		Dichlorodifluoromethane	2.060	2.354	-14.3	114
3	T	Chloromethane	0.758	0.840	-10.9	112
4	T	Bromomethane	1.549	1.515	2.2	100
5	T	Vinyl Chloride	0.930	0.991	-6.6	107
6	T	Chloroethane	0.542	0.553	-2.0	104
7		Trichlorofluoromethane	2.716	2.677	1.5	103
8		Acrolein	0.161	0.135	16.1	77
9		Iodomethane	3.175	3.874	-22.0	106
10	T	Acetone	0.235	0.387	-65.1#	107
11	T	Carbon Disulfide	2.168	3.203	-47.7#	122
12	M	1,1-Dichloroethene	1.015	1.093	-7.7	106
13	I	Methylene Chloride	1.580	1.627	-3.0	100
14		3-Chloropropene	0.490	0.504	-2.9	98
15		Acetonitrile	0.367	0.370	-0.8	98
16		Acrylonitrile	0.236	0.238	-1.0	100
17		Vinyl Acetate	1.774	1.772	0.1	107
18	T	1,1-Dichloroethane	1.887	2.087	-10.6	115
19	T	1,2-Dichloroethene (total)	1.273	1.357	-6.7	105
20		Methacrylonitrile	0.485	0.446	8.0	90
21		2-Butanone	0.507	0.536	-5.8	100
22	T	Chloroform	2.791	2.762	1.1	98
23	S	1,2-Dichloroethane-d4	1.347	1.254	6.9	92
24	T	1,2-Dichloroethane	1.464	1.528	-4.4	104
25	I	1,4-Difluorobenzene	1.000	1.000	0.0	110
26		Propionitrile	0.027	0.024	8.0	94
27	T	1,1,1-Trichloroethane	0.611	0.619	-1.2	106
28	T	Carbon Tetrachloride	0.573	0.573	0.1	107
29	T	Bromodichloromethane	0.861	0.834	3.1	100
30		Isobutanol	0.009	0.006	34.6#	45#
31		Crotononitrile	0.030	0.031	-2.1	105
32	T	1,2-Dichloropropane	0.321	0.342	-6.7	111
33	T	cis-1,3-Dichloropropene	0.558	0.573	-2.6	107
34	M	Trichloroethene	0.480	0.447	6.9	101
35	M	Benzene	0.808	0.853	-5.6	113
36		Methylmethacrylate	0.356	0.338	5.0	96
37		Dibromomethane	0.508	0.491	3.2	102
38		Ethylmethacrylate	0.414	0.443	-7.0	103
39	T	Dibromochloromethane	0.651	0.726	-11.6	104
40	T	trans-1,3-Dichloropropene	0.467	0.491	-5.3	108
41	T	1,1,2-Trichloroethane	0.347	0.384	-10.8	108

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 19 22:10:43 1995
Response via : Continuing Calibration

Continuing Calibration File: FOA410.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

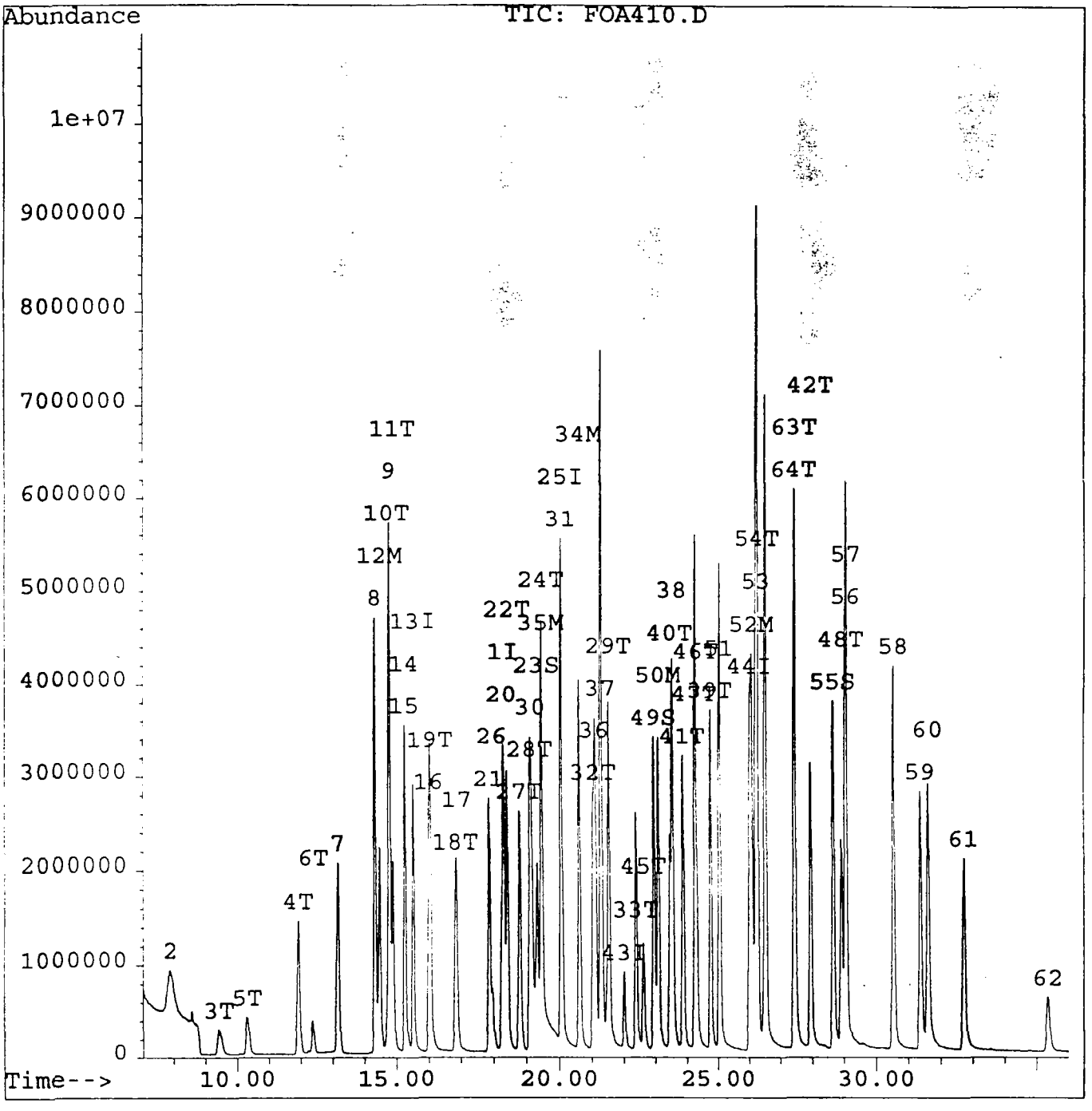
		Compound	AvgRF	CCRF	%Dev	Area%
42	T	Bromoform	0.421	0.569	-35.4#	105
43	I	2-Chloroethylvinylether	0.196	0.133	32.3#	69
44	I	Chlorobenzene-d5	1.000	1.000	0.0	100
45	T	4-Methyl-2-Pentanone	0.369	0.397	-7.8	101
46	T	2-Hexanone	0.242	0.276	-14.2	100
47	T	Tetrachloroethene	0.761	0.654	14.0	78
48	T	1,1,2,2-Tetrachloroethane	0.616	0.739	-20.0	92
49	S	Toluene-d8	1.244	1.090	12.4	96
50	M	Toluene	0.767	0.731	4.6	103
51		1,2-Dibromoethane	0.951	0.916	3.6	99
52	M	Chlorobenzene	0.932	1.012	-8.6	107
53		1,1,1,2-Tetrachloroethane	0.490	0.556	-13.4	101
54	T	Ethylbenzene	0.372	0.415	-11.5	110
55	S	Bromofluorobenzene	0.769	0.806	-4.7	88
56		trans-1,4-Dichloro-2-butene	0.090	0.113	-24.8	90
57		1,2,3-Trichloropropane	0.608	0.711	-17.0	90
58		Pentachloroethane	0.196	0.244	-24.5	132
59		1,3-Dichlorobenzene	0.552	0.720	-30.4#	97
60		1,4-Dichlorobenzene	0.597	0.747	-25.1#	91
61		1,2-Dichlorobenzene	0.448	0.593	-32.2#	98
62		1,2-Dibromo-3-chloropropane	0.089	0.073	17.9	64
63	T	Styrene	0.767	0.848	-10.6	99
64	T	Xylene (total)	0.957	1.108	-15.7	103

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FOA410.D Vial: 5
Acq On : 10 Apr 95 8:15 am Operator:
Sample : STD 50 FNA409 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL267,257 Multiplr: 1.00
Quant Time: Apr 10 8:58 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FOA410.D Vial: 5
Acq On : 10 Apr 95 8:15 am Operator:
Sample : STD 50 FNA409 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL267,257 Multiplr: 1.00
Quant Time: Apr 10 8:58 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.30	128	1985083	50.00	ug/l		-0.02
25) 1,4-Difluorobenzene	20.08	114	7480098	50.00	ug/l		0.00
44) Chlorobenzene-d5	26.02	117	5542597	50.00	ug/l		0.00
System Monitoring Compounds							**%Recovery**
23) 1,2-Dichloroethane-d4	19.34	65	2490262	51.14	ug/l		102.27%
49) Toluene-d8	22.96	98	6041412	48.97	ug/l		97.94%
55) Bromofluorobenzene	28.66	95	4464978	45.45	ug/l		90.89%
Target Compounds							**Qvalue**
2) Dichlorodifluoromethane	7.90	85	4673518	162.22	ug/l	m	97
3) Chloromethane	9.43	50	1667503	71.08	ug/l	m	83
4) Bromomethane	11.92	94	3007076	54.22	ug/l		99
5) Vinyl Chloride	10.32	62	1967406	63.84	ug/l	m	99
6) Chloroethane	12.38	64	1097359	53.28	ug/l		99
7) Trichlorofluoromethane	13.17	101	5313919	49.44	ug/l		100
8) Acrolein	14.34	56	10698766	3339.98	ug/l		95
9) Iodomethane	14.79	142	15378667	83.33	ug/l		99
10) Acetone	14.72	43	768793	109.59	ug/l		95
11) Carbon Disulfide	14.91	76	6358431	44.29	ug/l		100
12) 1,1-Dichloroethene	14.49	96	2168963	46.41	ug/l		95
13) Methylene Chloride	15.53	84	3228740	49.01	ug/l		91
14) 3-Chloropropene	15.27	76	2002024	79.65	ug/l	#	75
15) Acetonitrile	15.27	41	5879254	364.36	ug/l	#	85
16) Acrylonitrile	16.01	53	3784412	840.71	ug/l		96
17) Vinyl Acetate	16.89	43	3516857	68.46	ug/l		94
18) 1,1-Dichloroethane	16.83	63	4143816	46.60	ug/l		99
19) 1,2-Dichloroethene (total)	16.06	96	5388713	93.96	ug/l	m	99
20) Methacrylonitrile	18.24	41	1770767	146.96	ug/l	#	87
21) 2-Butanone	17.88	43	1064595	125.97	ug/l	m	1
22) Chloroform	18.42	83	5481967	46.24	ug/l		98
24) 1,2-Dichloroethane	19.47	62	3034107	54.22	ug/l		99
26) Propionitrile	17.97	54	1461057	1113.85	ug/l	#	98
27) 1,1,1-Trichloroethane	18.79	97	4630171	50.96	ug/l		99
28) Carbon Tetrachloride	19.11	117	4284117	51.90	ug/l		99
29) Bromodichloromethane	21.54	83	6237662	56.17	ug/l		100
30) Isobutanol	19.16	43	3659069	5457.39	ug/l		96
31) Crotononitrile	20.07	67	1845186	1031.97	ug/l	#	71
32) 1,2-Dichloropropane	21.05	63	2558542	54.02	ug/l		99
33) cis-1,3-Dichloropropene	22.39	75	4282997	56.64	ug/l		99
34) Trichloroethene	20.63	130	3340805	51.83	ug/l		97
35) Benzene	19.47	78	6380489	51.85	ug/l		100
36) Methylmethacrylate	21.12	41	5055818	141.73	ug/l		98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FOA410.D Vial: 5
Acq On : 10 Apr 95 8:15 am Operator:
Sample : STD 50 FNA409 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+2.5UL267,257 Multiplr: 1.00
Quant Time: Apr 10 8:58 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Dibromomethane	21.30	174	7348481	110.44	ug/l		81
38) Ethylmethacrylate	23.54	69	6631530	137.99	ug/l	#	84
39) Dibromochloromethane	24.75	129	5430472	62.52	ug/l		99
40) trans-1,3-Dichloropropene	23.46	75	3676077	62.77	ug/l		100
41) 1,1,2-Trichloroethane	23.87	97	2875476	66.38	ug/l		100
42) Bromoform	27.95	173	4259614	69.77	ug/l		99
43) 2-Chloroethylvinylether	22.02	63	991469	78.57	ug/l		88
45) 4-Methyl-2-Pentanone	22.63	43	2202529	117.94	ug/l		93
46) 2-Hexanone	24.31	43	1529600	139.48	ug/l		92
47) Tetrachloroethene	24.26	164	3625547	60.62	ug/l		98
48) 1,1,2,2-Tetrachloroethane	28.92	83	4094395	70.60	ug/l	m	98
50) Toluene	23.10	92	4053873	52.85	ug/l		99
51) 1,2-Dibromoethane	25.05	107	10157937	118.58	ug/l		99
52) Chlorobenzene	26.08	112	5610056	53.18	ug/l		99
53) 1,1,1,2-Tetrachloroethane	26.23	131	6161254	85.05	ug/l		95
54) Ethylbenzene	26.27	106	2300912	51.95	ug/l	#	83
56) trans-1,4-Dichloro-2-buten	29.04	89	1248328	147.49	ug/l	#	48
57) 1,2,3-Trichloropropane	29.05	75	7887064	129.38	ug/l		96
58) Pentachloroethane	30.54	167	2700888	56.25	ug/l		85
59) 1,3-Dichlorobenzene	31.38	146	3991433	43.53	ug/l		100
60) 1,4-Dichlorobenzene	31.62	146	4138549	46.48	ug/l		99
61) 1,2-Dichlorobenzene	32.73	146	3285145	41.54	ug/l		99
62) 1,2-Dibromo-3-chloropropan	35.37	157	805115	70.16	ug/l	#	71
63) Styrene	27.46	104	4702718	51.58	ug/l		90
64) Xylene (total)	27.44	91	6138953	50.97	ug/l		97

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

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Lab File ID (Standard): BYB409 Date Analyzed: 04/09/95

Instrument ID: gcl2 Time Analyzed: 1818

GC Column: ID: (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	16812		13.61		90559		15.08		83061		20.03	
	UPPER LIMIT	33624		14.11		181118		15.58		166122		20.53	
	LOWER LIMIT	8406		13.11		45280		14.58		41531		19.53	
	CLIENT SAMPLE NO.												
01	TC2-CP11-GWS	20647		13.61		106484		15.09		95915		20.04	
02	TC2-CP11-GWSMS	20968		13.58		107323		15.06		94533		20.01	
03	TC2-CP11-GWSMSD	20177		13.61		104771		15.10		92695		20.08	
04	TC2-CP11-GWD	19353		13.62		100967		15.11		89478		20.07	
05	TC2-CP12-GWS	19867		13.60		101440		15.07		90262		20.02	
06	TC2-CP12-GWD	20127		13.60		103673		15.06		95029		19.99	
07	TC2-CP12-GWD-DP	20514		13.55		106263		15.02		96394		19.98	
08	TC2-CP13-GWS	19759		13.57		103155		15.06		74473		20.02	
09	TC2-CP13-GWD	20090		13.62		103099		15.09		93818		19.99	
10	VBLKGVB076-MB1	15979		13.63		82962		15.11		75784		20.05	
11	VBLKGVB076-MB1 BS	17135		13.60		88752		15.07		79622		20.02	
12	VBLKGVB076-MB1 BSD	19571		13.59		98231		15.05		88733		20.00	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1.4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Lab File ID (Standard): BYA411 Date Analyzed: 04/11/95

Instrument ID: gc12 Time Analyzed: 0808

GC Column: ID: (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	18953	13.65	92164	15.13	78231	20.10
	UPPER LIMIT	37906	14.15	184328	15.63	156462	20.60
	LOWER LIMIT	9477	13.15	46082	14.63	39116	19.60
	CLIENT SAMPLE NO.						
01	TC2-CP13-GWSDL	19139	13.59	95445	15.08	78631	20.04
02	TC2-CP11-GWD-FB	16698	13.61	79151	15.09	66502	20.05
03	VBLKGVB079-MB1	17067	13.61	81328	15.09	68468	20.06
04	VBLKGVB079-MB1 BS	17159	13.62	82092	15.09	69425	20.04

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

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

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

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 1989-09-02

Case No.: Techalloy RFW Lot: 9503G001

Lab File ID (Standard): BYB411 Date Analyzed: 04/11/95

Instrument ID: gc12 Time Analyzed: 2139

GC Column: ID: (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	11636		13.62		58800		15.10		51047		20.04	
	UPPER LIMIT	23272		14.12		117600		15.60		102094		20.54	
	LOWER LIMIT	5818		13.12		29400		14.60		25524		19.54	
	CLIENT SAMPLE NO.												
01	TC2-CP13-GWSDL	16070		13.60		72787		15.08		63660		20.04	
02	TC2-CP11-GWD-FBRE	15155		13.63		72231		15.11		62883		20.07	
03	VBLKGVB080-MB1	12946		13.63		64310		15.11		56108		20.07	
04	VBLKGVB080-MB1 BS	14438		13.62		70695		15.08		60365		20.05	
05	VBLKGVB080-MB1 BSD	15553		13.61		78781		15.09		67066		20.04	

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Lab File ID (Standard): FOA405 Date Analyzed: 04/05/95

Instrument ID: GCL#6 Time Analyzed: 0800

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

		IS1(BCM) AREA	#	RT	IS2(DFB) AREA	#	RT	IS3(CBZ) AREA	#	RT
	12 HOUR STD	1287863		18.37	4848775		20.14	3608111		26.07
	UPPER LIMIT	2575727		18.87	9697551		20.64	7216223		26.57
	LOWER LIMIT	643932		17.87	2424389		19.64	1804057		25.57
	CLIENT SAMPLE NO.									
01	TC2-CP11-SBS	1254009		18.26	4540065		20.02	3511931		25.96
02	VBLKGVF083-MB1	1570145		18.31	5742017		20.08	4589205		26.00
03	VBLKGVF083-MB1 BS	1452135		18.25	5439215		20.03	4581789		25.98
04	VBLKGVF083-MB1 BSD	1624353		18.35	6709293		20.11	5433485		26.01

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

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

Column used to flag internal standard area values with an asterisk

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 01989-009-002-0

Case No.: Techalloy RFW Lot: 9503G001

Lab File ID (Standard): FOA410 Date Analyzed: 04/10/95

Instrument ID: GCL#6 Time Analyzed: 0815

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

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	1985083	18.30	7480099	20.08	5542597	26.02
	UPPER LIMIT	3970167	18.80	14960197	20.58	11085195	26.52
	LOWER LIMIT	992542	17.80	3740049	19.58	2771299	25.52
	CLIENT SAMPLE NO.						
01	TC2-CP11-SBSMS	1283369	18.36	4706039	20.13	3497815	26.03
02	TC2-CP11-SBSMSD	1350599	18.37	4832645	20.13	3681059	26.02
03	TC2-CP11-SBD	1274833	18.35	4359361	20.11	2865057	26.02
04	TC2-CP12-SBS	1394919	18.35	4950833	20.11	3834827	26.02
05	TC2-CP12-SBD	1221667	18.41	4649021	20.17	3266617	26.05
06	TC2-CP13-SBS	1058055	18.36	3846951	20.12	2871429	26.04
07	TC2-CP13-SBD	1378225	18.36	4896797	20.13	3665457	26.04
08	VBLKGVF087-MB1	1285535	18.35	4893829	20.11	3723699	26.04
09	VBLKGVF087-MB1 BS	1536609	18.36	6084095	20.12	4575167	26.05
10	VBLKGVF087-MB1 BSD	1673291	18.35	6114493	20.12	4721787	26.03

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

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

Column used to flag internal standard area values with an asterisk

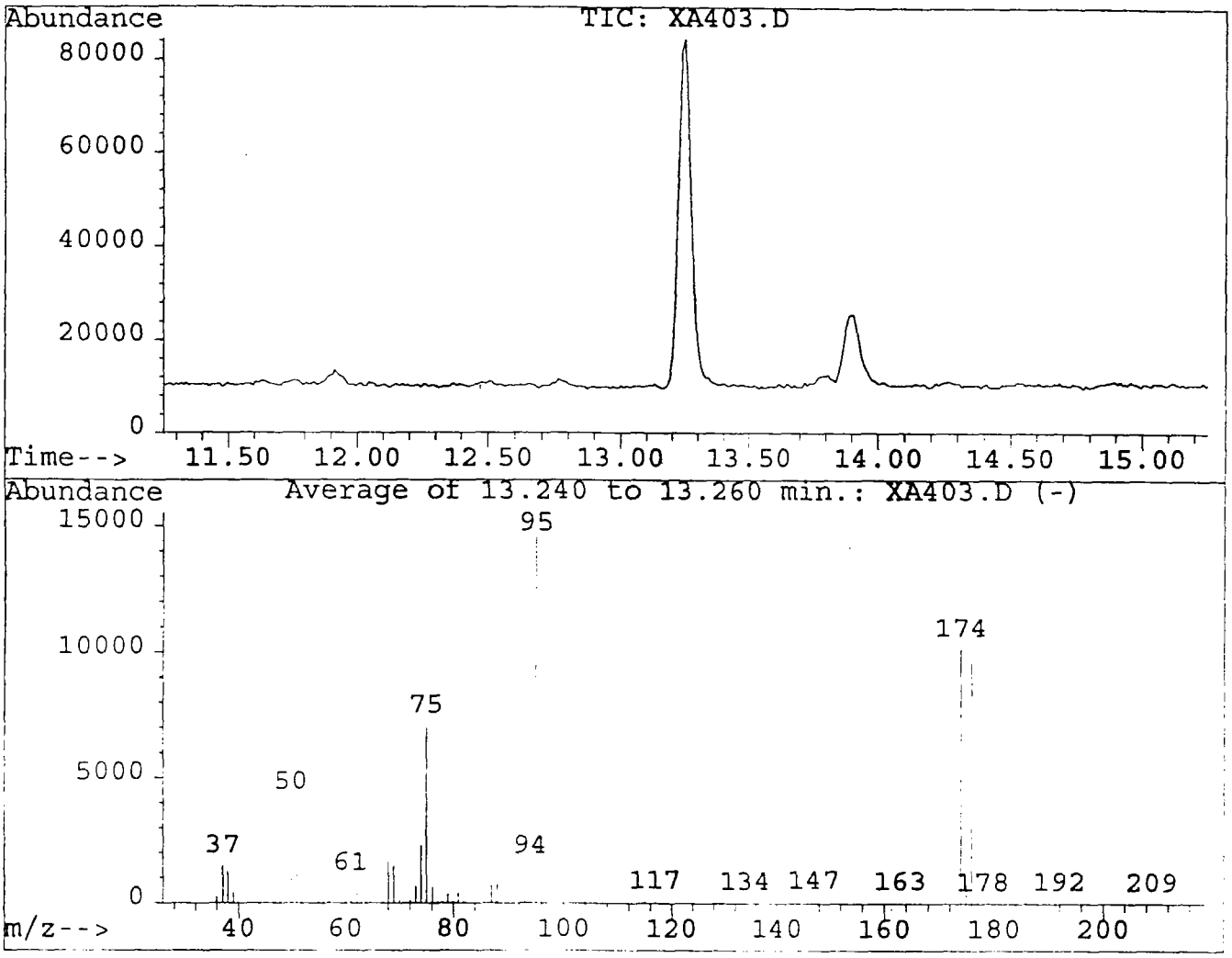
V. Raw QC Data Package

BFB

Data File : c:\HPCHEM\1\DATA\XA403.D
Acq On : 3 Apr 95 9:29 am
Sample : BFBTUNE BXA4 Converted from RTE d
Misc : GCL#2,DIL=1,5MLOFW +2UL BFB 252

Vial: 0
Operator: MANAGER
Inst : GCL2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB2.M
Title :



Peak Apex is scan: 317

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.1	4012	PASS
75	95	30	60	47.8	7066	PASS
95	95	100	100	100.0	14784	PASS
96	95	5	9	7.7	1134	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	68.7	10151	PASS
175	174	5	9	7.5	757	PASS
176	174	95	101	97.1	9857	PASS
177	176	5	9	6.7	657	PASS

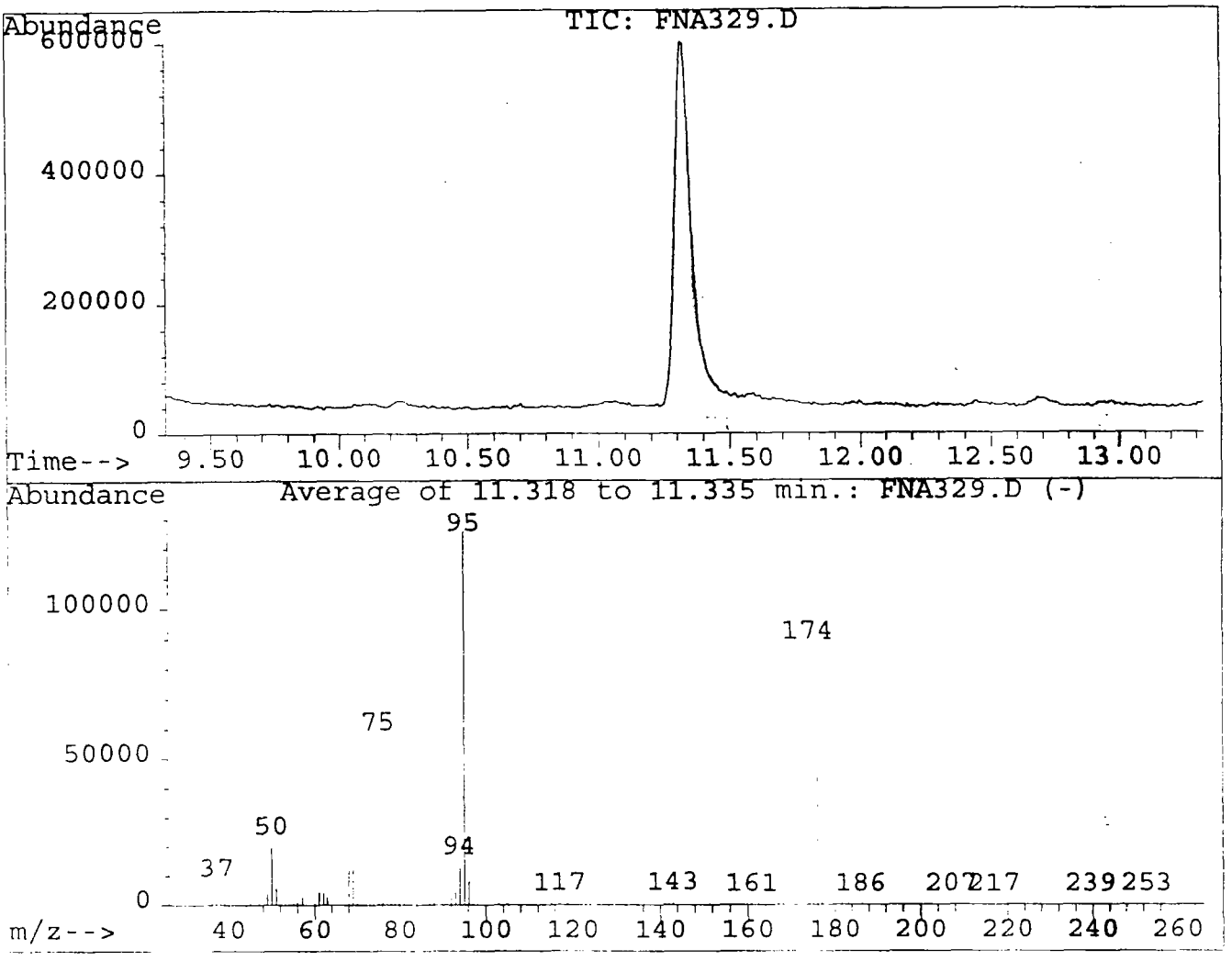
XA403.D BFB2.M Mon Apr 03 09:55:45 1995 RTE

BFB

Data File : C:\HPCHEM\1\DATA\MAR2995\FNA329.D
Acq On : 29 Mar 95 10:10 am
Sample : BFBTUNE FNA329
Misc : GCL#6,DIL=1,5MLOFW+2ULBFB144

Vial: 8
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title :



Peak Apex is scan: 271

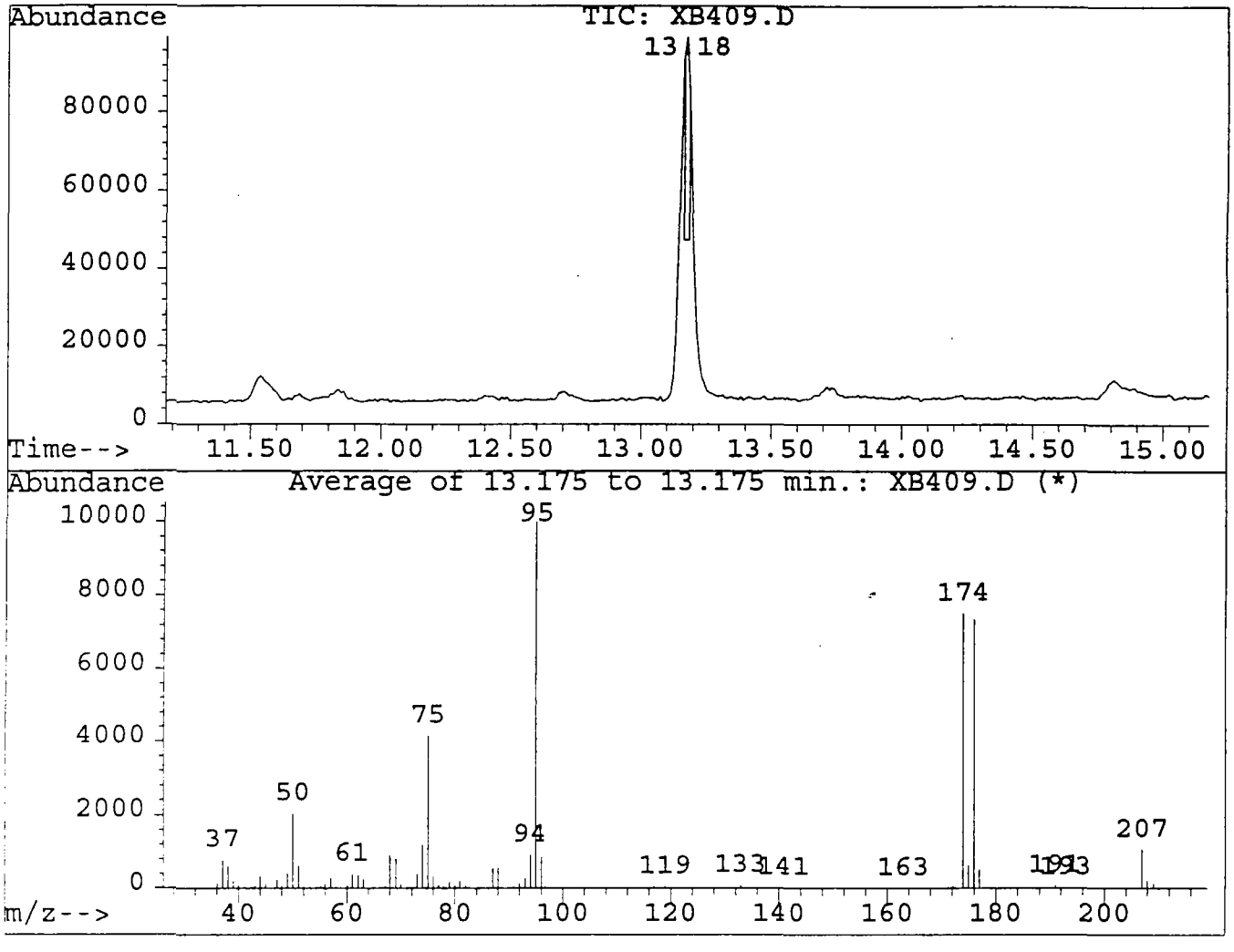
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	19961	PASS
75	95	30	60	43.8	55204	PASS
95	95	100	100	100.0	125894	PASS
96	95	5	9	6.7	8398	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	67.6	85125	PASS
175	174	5	9	7.3	6176	PASS
176	174	95	101	96.8	82371	PASS
177	176	5	9	7.4	6099	PASS

FNA329.D BFB.M Wed Mar 29 10:24:25 1995

BFB

Data File : C:\HPCHEM\1\DATA\XB409.D Vial: 0
Acq On : 9 Apr 95 5:24 pm Operator: MANAGER
Sample : BFBTUNE BXB4 Converted from RTE d Inst : GCL2
Misc : GCL#2,DIL=1,5MLOFW+2UL252 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB2.M
Title :



Peak Apex is scan: 309

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	2042	PASS
75	95	30	60	41.7	4173	PASS
95	95	100	100	100.0	10000	PASS
96	95	5	9	8.8	879	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	75.1	7506	PASS
175	174	5	9	8.4	627	PASS
176	174	95	101	98.0	7354	PASS
177	176	5	9	7.1	521	PASS

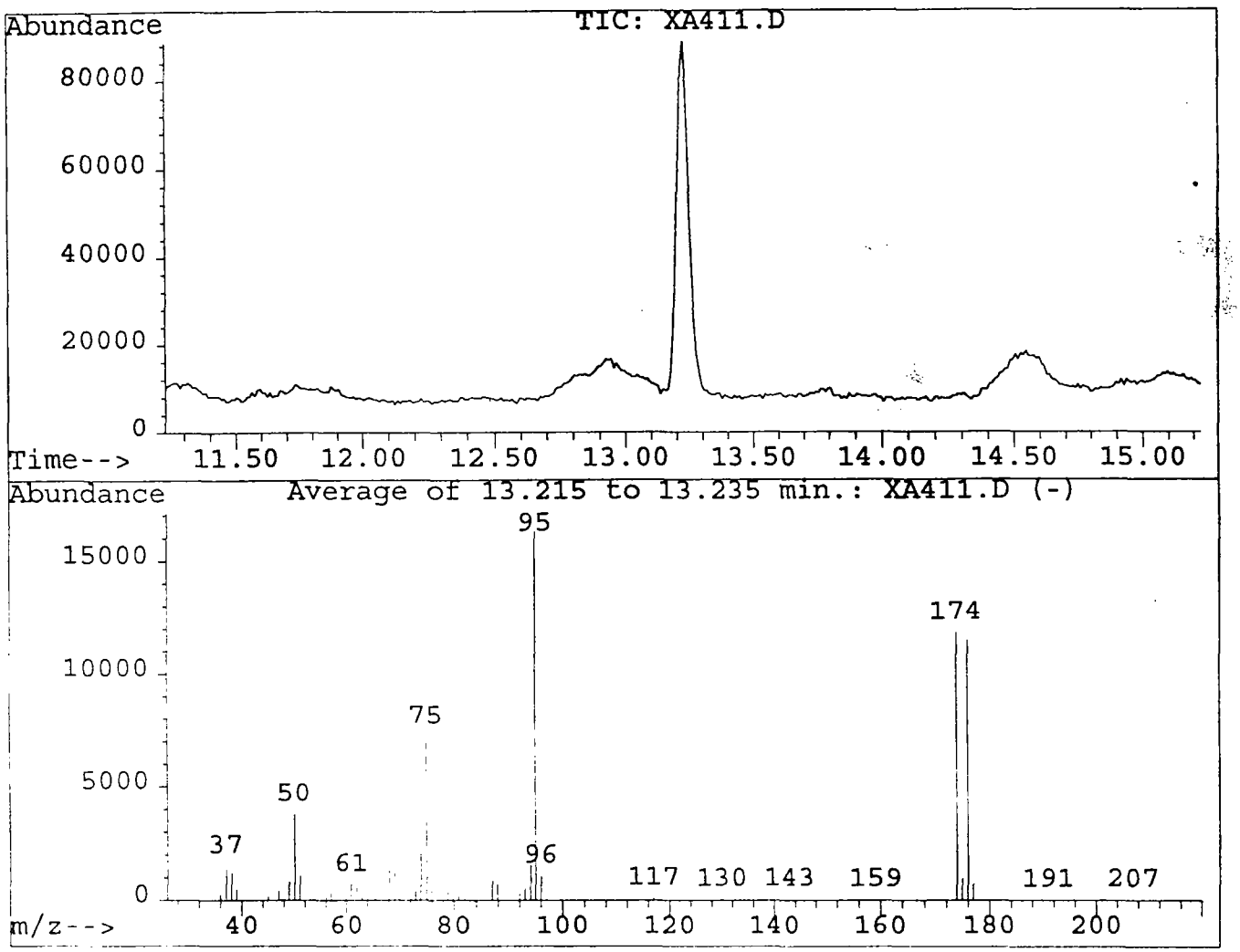
XB409.D BFB2.M Sun Apr 09 17:56:38 1995 RTE

BFB

Data File : c:\HPCHEM\1\DATA\XA411.D
Acq On : 11 Apr 95 7:12 am
Sample : BFBTUNE BXB4 Converted from RTE d
Misc : GCL#2,DIL=1,5MLOFW+2UL 252

Vial: 0
Operator: MANAGER
Inst : GCL2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB2.M
Title :



Peak Apex is scan: 312

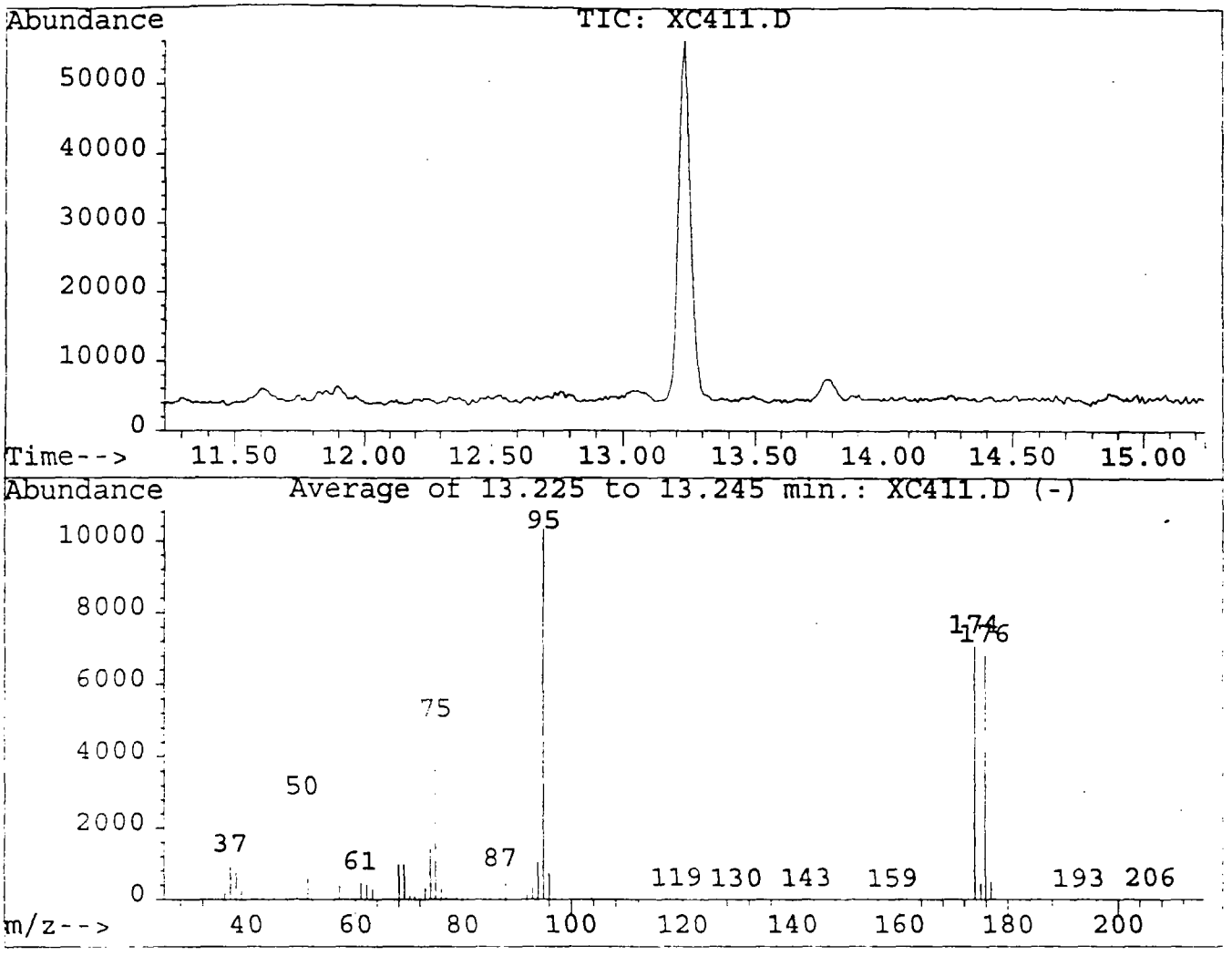
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	3783	PASS
75	95	30	60	44.3	7222	PASS
95	95	100	100	100.0	16299	PASS
96	95	5	9	6.5	1065	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	72.4	11804	PASS
175	174	5	9	8.2	969	PASS
176	174	95	101	97.1	11461	PASS
177	176	5	9	6.4	738	PASS

XA411.D BFB2.M Tue Apr 11 07:43:35 1995 RTE

BFB

Data File : c:\HPCHEM\1\DATA\XC411.D Vial: 0
Acq On : 11 Apr 95 8:59 pm Operator: MANAGER
Sample : BFBTUNE BXC4 Converted from RTE d Inst : GCL2
Misc : GCL#2,DIL=1,5MLOFW+2UL252 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB2.M
Title :



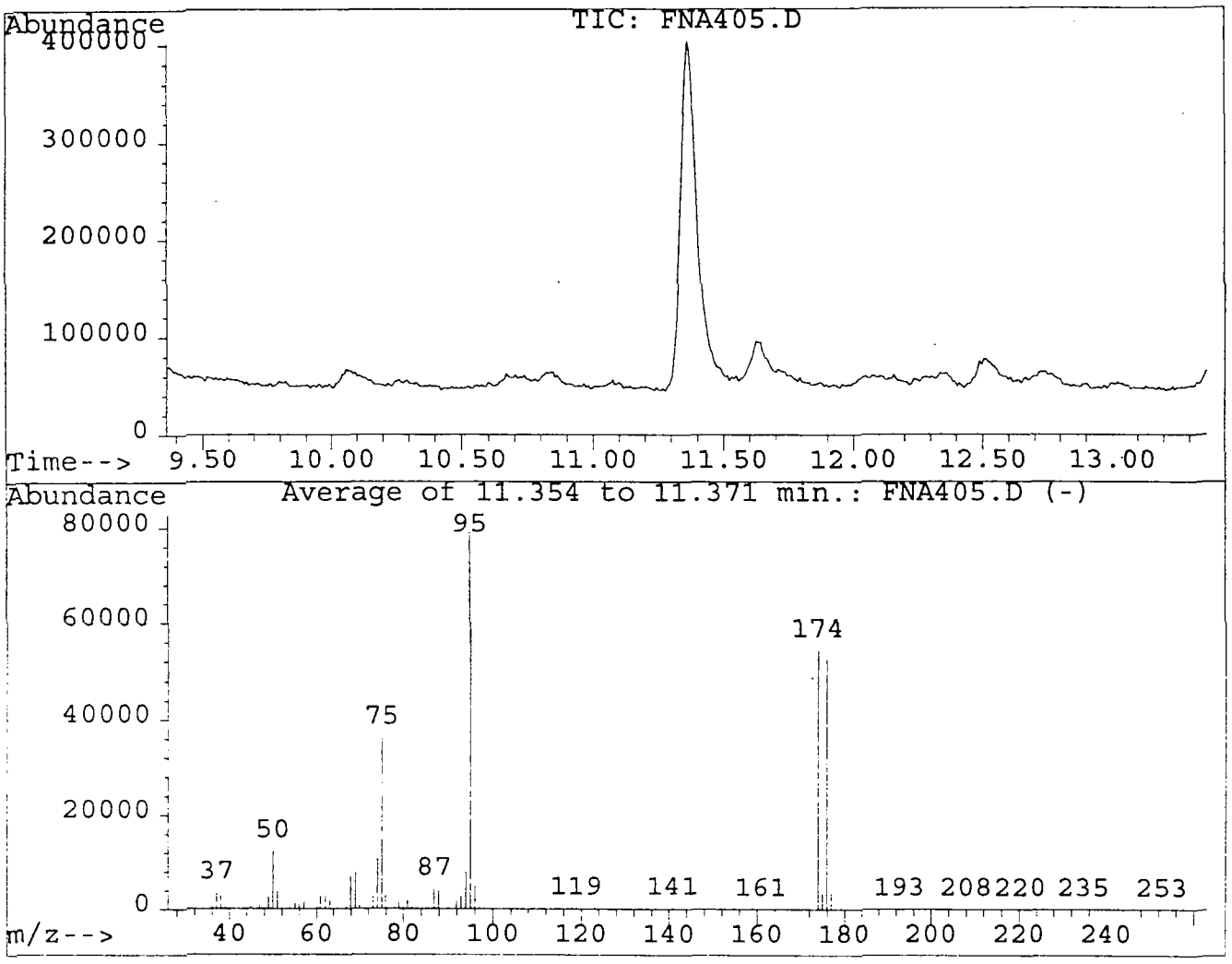
Peak Apex is scan: 316

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	2595	PASS
75	95	30	60	45.9	4746	PASS
95	95	100	100	100.0	10346	PASS
96	95	5	9	7.2	746	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	68.5	7091	PASS
175	174	5	9	6.6	465	PASS
176	174	95	101	96.4	6834	PASS
177	176	5	9	7.2	494	PASS

Data File : C:\HPCHEM\1\DATA\APR0595\FNA405.D
Acq On : 5 Apr 95 7:27 am
Sample : BFBTUNE FNA405
Misc : GCL#6,DIL=1,5MLOFW+2ULBFB252

Vial: 1
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title :



Peak Apex is scan: 275

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	12390	PASS
75	95	30	60	45.8	36168	PASS
95	95	100	100	100.0	78984	PASS
96	95	5	9	6.3	4962	PASS
173	174	0	2	0.1	49	PASS
174	95	50	100	68.7	54293	PASS
175	174	5	9	6.5	3512	PASS
176	174	95	101	96.6	52472	PASS
177	176	5	9	6.7	3513	PASS

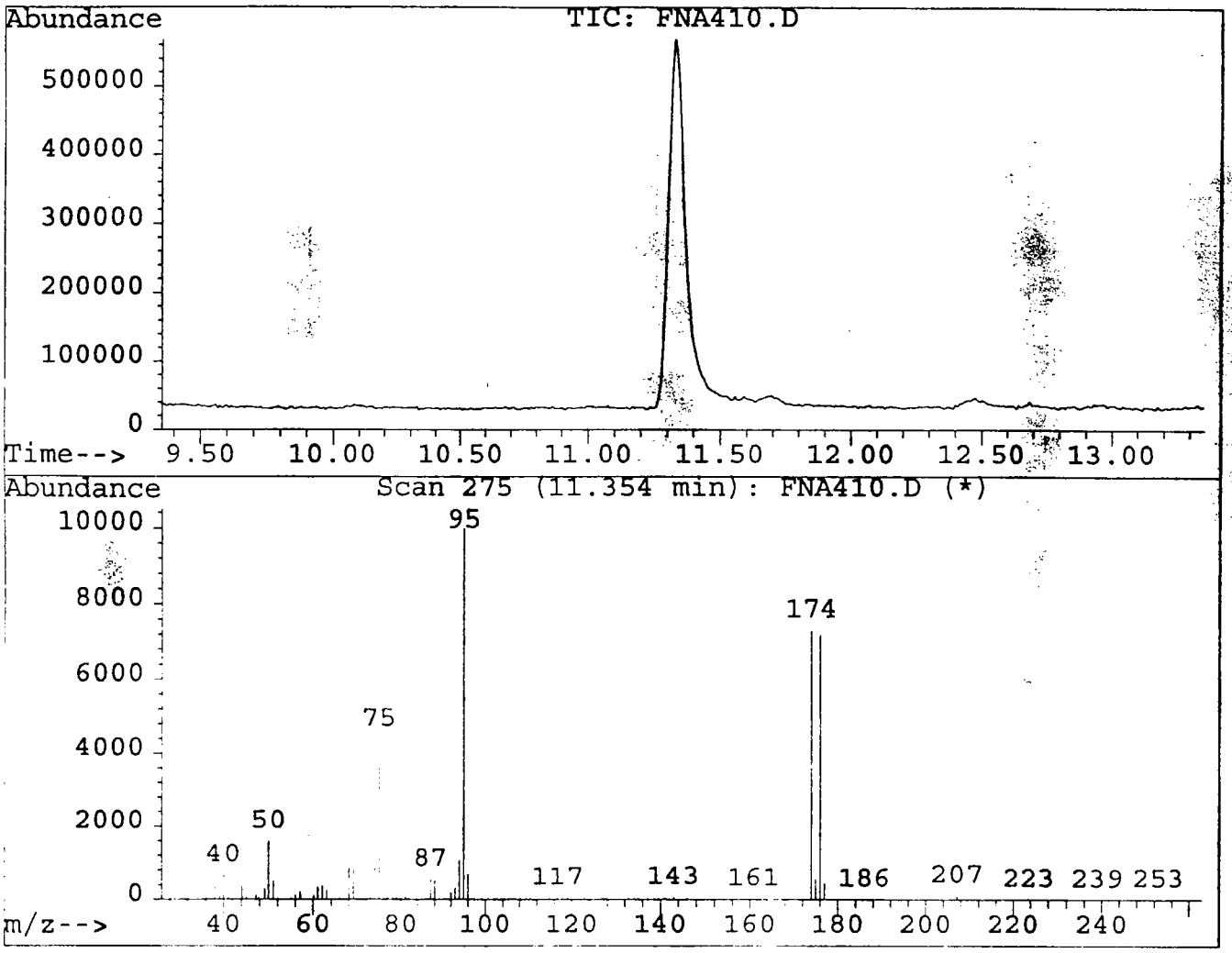
FNA405.D BFB.M Wed Apr 05 07:41:18 1995

BFB

Data File : C:\HPCHEM\1\DATA\APR1095\FNA410.D
Acq On : 10 Apr 95 7:40 am
Sample : BFBTUNE FNA409
Misc : GCL#6,DIL=1,5MLOFW+2UL 252

Vial: 3
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB.M
Title :



Peak Apex is scan: 275

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	1602	PASS
75	95	30	60	43.8	4380	PASS
95	95	100	100	100.0	10000	PASS
96	95	5	9	6.9	693	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	73.0	7300	PASS
175	174	5	9	7.6	556	PASS
176	174	95	101	98.4	7181	PASS
177	176	5	9	6.3	452	PASS

FNA410.D BFB.M Mon Apr 10 07:57:31 1995

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 95GVB076-MB1

Sample wt/vol: 5 (g/mL) ML Lab File ID: BZA409

Level: (low/med) LOW Date Received: 04/09/95

% Moisture: not dec. _____ Date Analyzed: 04/09/95

Column: (pack/cap) PACK Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 95GVB076-MB1

Sample wt/vol: 5 (g/mL) ML Lab File ID: BZA409

Level: (low/med) LOW Date Received: 04/09/95

% Moisture: not dec. _____ Date Analyzed: 04/09/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB076-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZA409

Level: (low/med) LOW

Date Received: 04/09/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

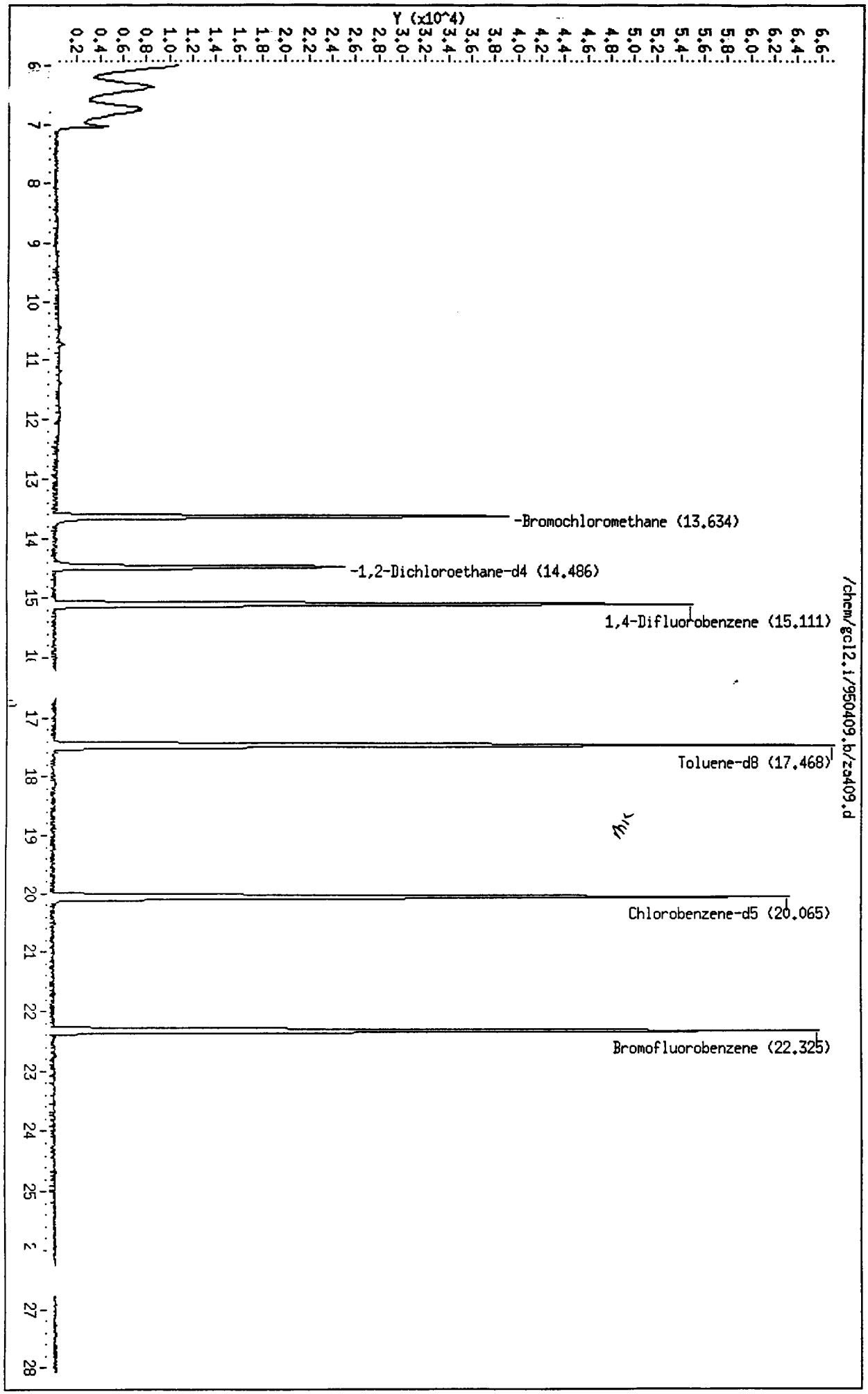
Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gc12.i/950409.b/za409.d
Date : 09-APR-1995 19:17
Client ID:
Sample Info: 95GVB076-MB1 BXB409
Purge Volume: 5.0
Column phase:

Instrument: gc12.i
Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/za409.d
Lab Smp Id:
Inj Date : 09-APR-1995 19:17
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB076-MB1 BXB409
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 ✓ Cal File: yb409.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 27 Bromochloromethane	127.80	13.634	13.615	(1.000)	15979 ✓	50.00	
$ 33 1,2-Dichloroethane-d4	65.00	14.486	14.468	(1.062)	26401	53.82 ✓	10.76
* 36 1,4-Difluorobenzene	114.00	15.111	15.082	(1.000)	82962 ✓	50.00	
$ 46 Toluene-d8	98.00	17.468	17.443	(0.871)	87206	50.18 ✓	10.04
* 56 Chlorobenzene-d5	117.00	20.055	20.031	(1.000)	75784 ✓	50.00	
$ 64 Bromofluorobenzene	95.00	22.325	22.293	(1.113)	52955	51.33 ✓	10.27

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950409.b/za409.d
Lab Smp Id:
Inj Date : 09-APR-1995 19:17
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB076-MB1 BXB409
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER
Quantitative Mode : Use RF of Nearest Std

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

mlc

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 95GVB079-MB1

Sample wt/vol: 5 (g/mL) ML Lab File ID: BZA411

Level: (low/med) LOW Date Received: 04/11/95

% Moisture: not dec. _____ Date Analyzed: 04/11/95

Column: (pack/cap) PACK Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB079-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZA411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB079-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZA411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

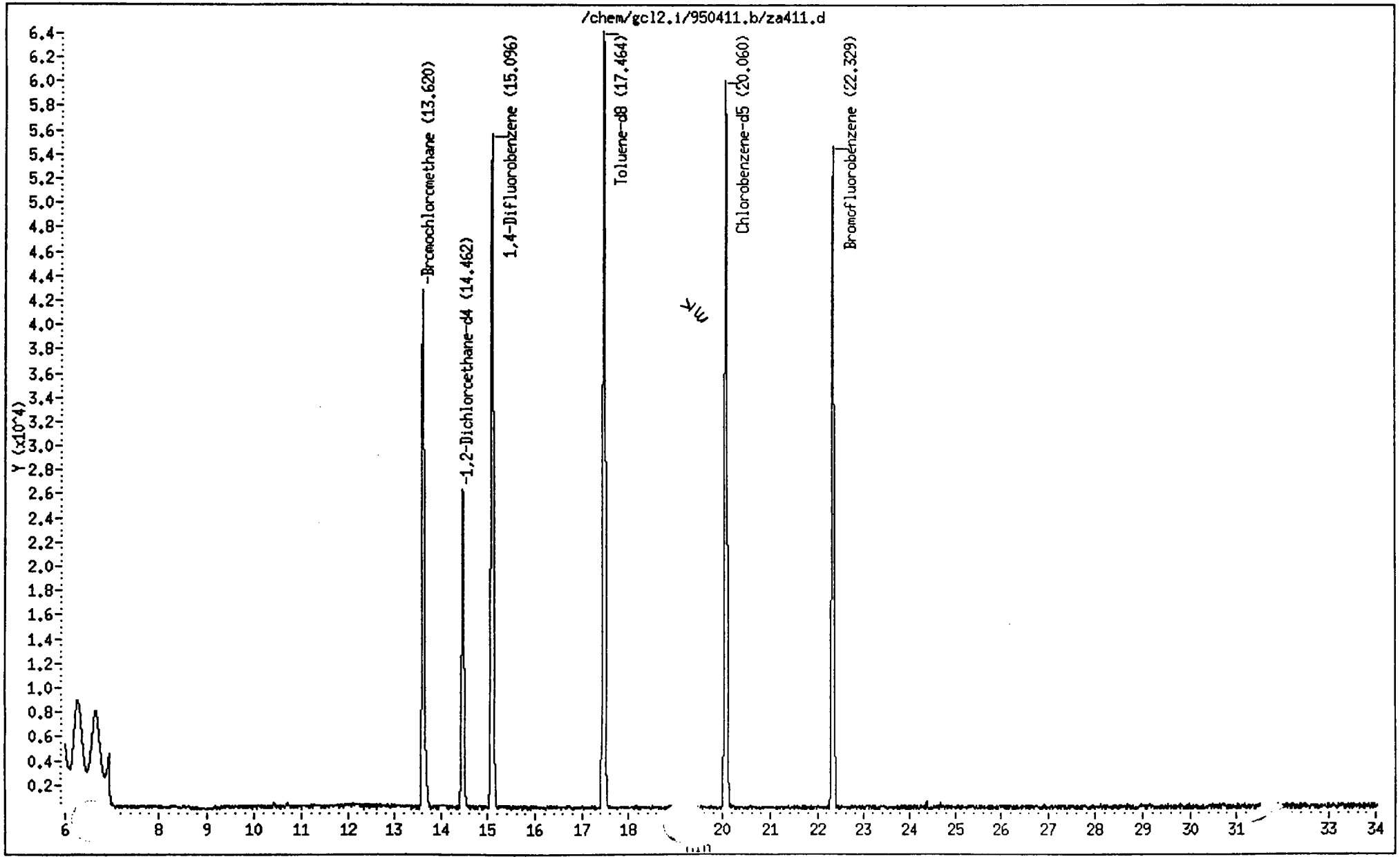
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gc12.i/950411.b/za411.d
Date : 11-APR-1995 09:31
Client ID:
Sample Info: 95GVB079-MB1 BXA411

Column phase:

Instrument: gc12.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411.b/za411.d
Lab Smp Id:
Inj Date : 11-APR-1995 09:31 ✓
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB079-MB1 BXA411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 08:08 ✓ Cal File: ya411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

MK

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	Bromochloromethane	127.80	13.610	13.653	(1.000)	17067	50.00	
$ 33	1,2-Dichloroethane-d4	65.00	14.462	14.506	(1.063)	28260	54.69 ✓	54.69
* 36	1,4-Difluorobenzene	114.00	15.096	15.130	(1.000)	81328	50.00	
$ 46	Toluene-d8	98.00	17.464	17.511	(0.871)	80930	48.27 ✓	48.27
* 56	Chlorobenzene-d5	117.00	20.060	20.109	(1.000)	68468	50.00	
$ 64	Bromofluorobenzene	95.00	22.329	22.380	(1.113)	44935	52.57 ✓	52.57

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950411.b/za411.d
Lab Smp Id:
Inj Date : 11-APR-1995 09:31
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB079-MB1 BXA411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: None
Quantitative Mode : Use RF of Nearest Std

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

MK

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZH411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZH411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZH411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 0

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

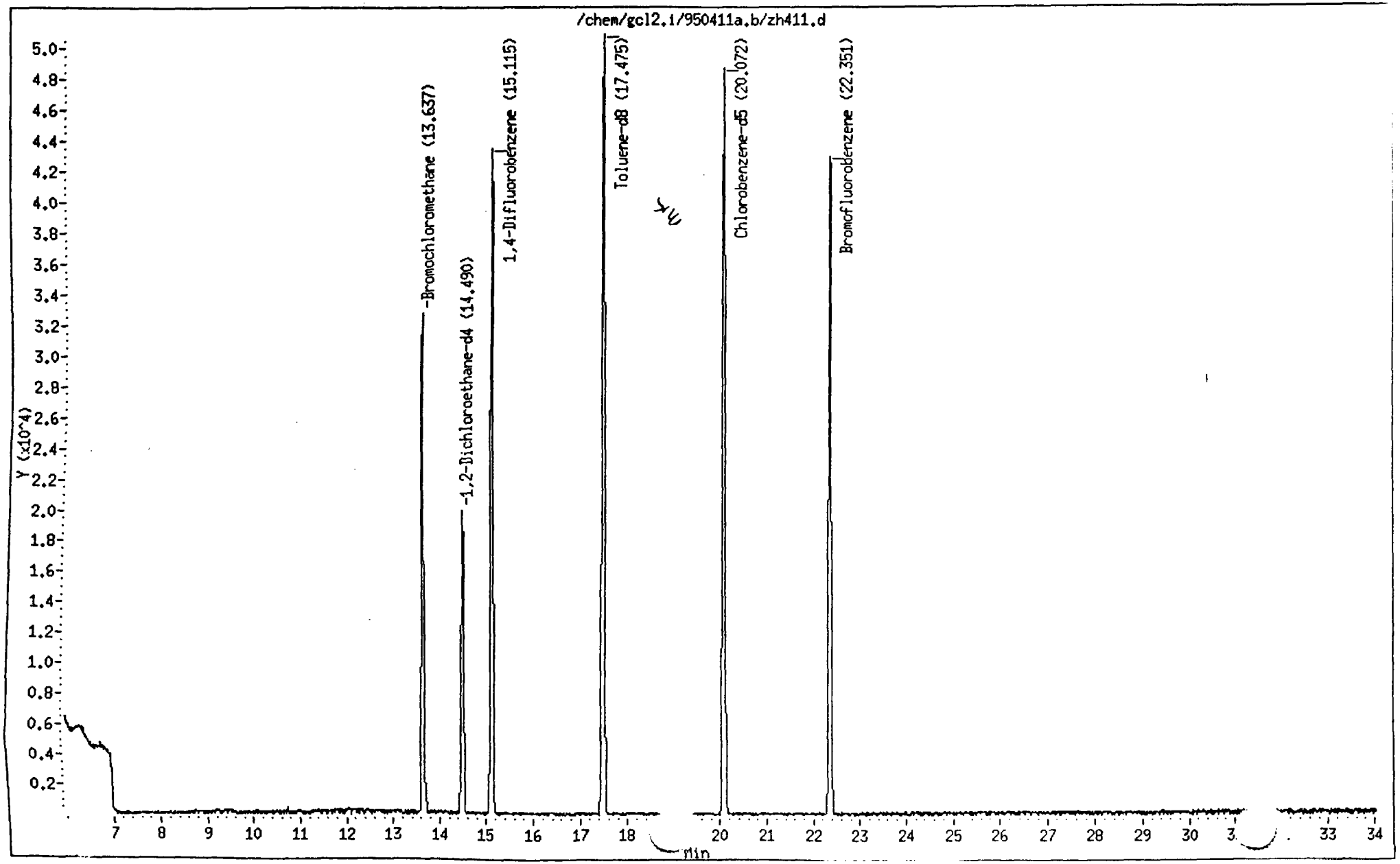
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Data File: /chem/gcl2.i/950411a.b/zh411.d
Date : 11-APR-1995 23:52
Client ID:
Sample Info: 95GVB080-MB1 BXC411

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/zh411.d
Lab Smp Id:
Inj Date : 11-APR-1995 23:52
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB080-MB1 BXC411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

Cc	nds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	Bromochloromethane	127.80	13.637	13.627	(1.000)	12946	50.00	
$ 33	1,2-Dichloroethane-d4	65.00	14.490	14.480	(1.063)	21140	52.69	52.69
* 36	1,4-Difluorobenzene	114.00	15.115	15.104	(1.000)	64310	50.00	
$ 46	Toluene-d8	98.00	17.475	17.464	(0.871)	63812	48.50	48.50
* 56	Chlorobenzene-d5	117.00	20.072	20.041	(1.000)	56108	50.00	
$ 64	Bromofluorobenzene	95.00	22.351	22.321	(1.114)	35695	52.20	52.20

Gulf Coast

Unknown Compounds Quantitation Report

Data file : /chem/gcl2.i/950411a.b/zh411.d
Lab Smp Id:
Inj Date : 11-APR-1995 23:52
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB080-MB1 BXC411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000 Target Version: 3.12
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: None
Quantitative Mode : Use RF of Nearest Std

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

mc

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 95GVF083-MB1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FPA405

Level: (low/med) LOW Date Received: 04/05/95

% Moisture: not dec. 0 Date Analyzed: 04/05/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF083-MB1

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

Lab File ID: FPA405

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0

Date Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF083-MB1

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

Lab File ID: FPA405

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0

Date Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

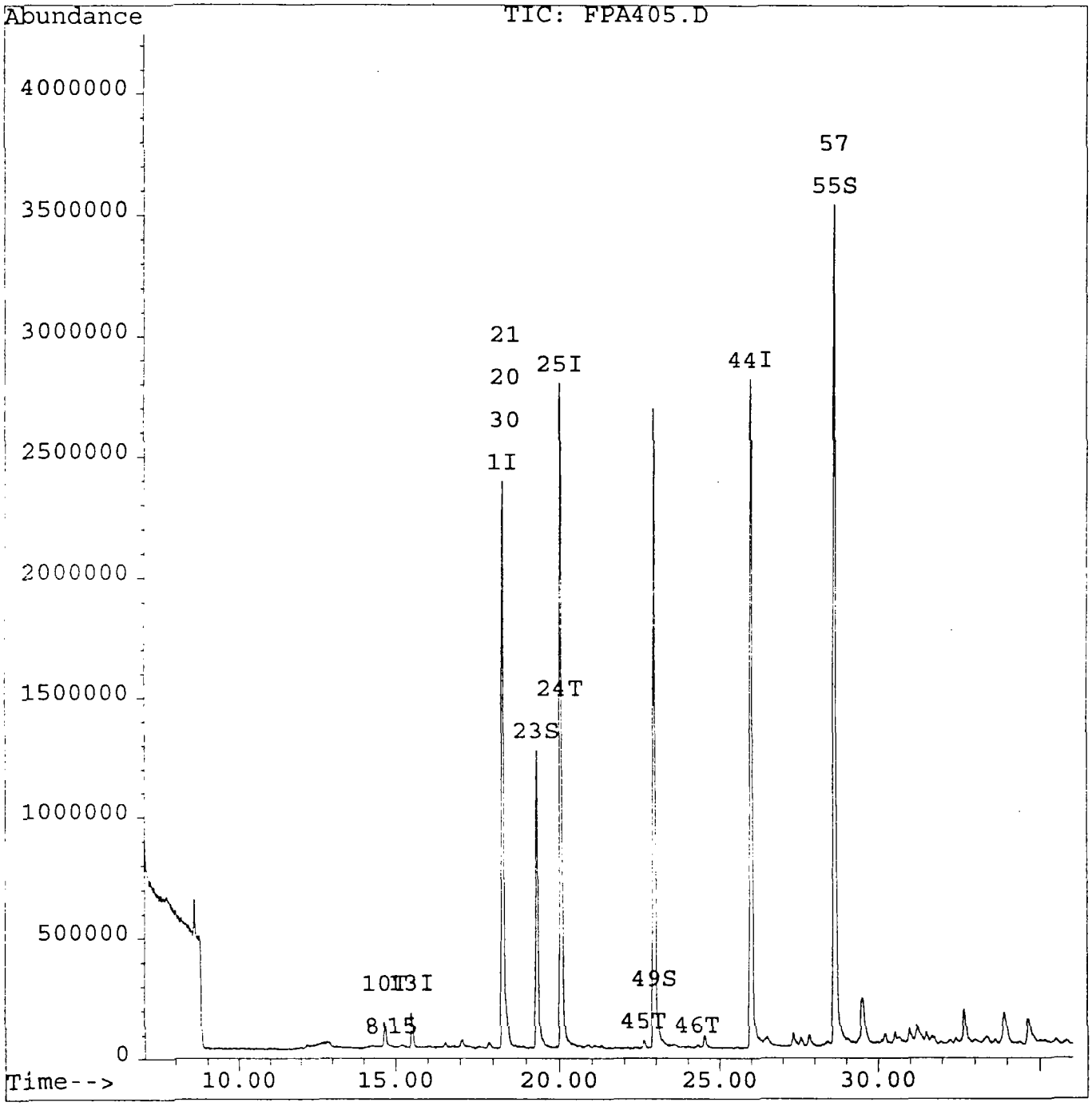
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPA405.D
Acq On : 5 Apr 95 8:58 am
Sample : 95GVF083-MB1 FNA405
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS
Quant Time: Apr 5 9:34 1995

Vial: 5
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration



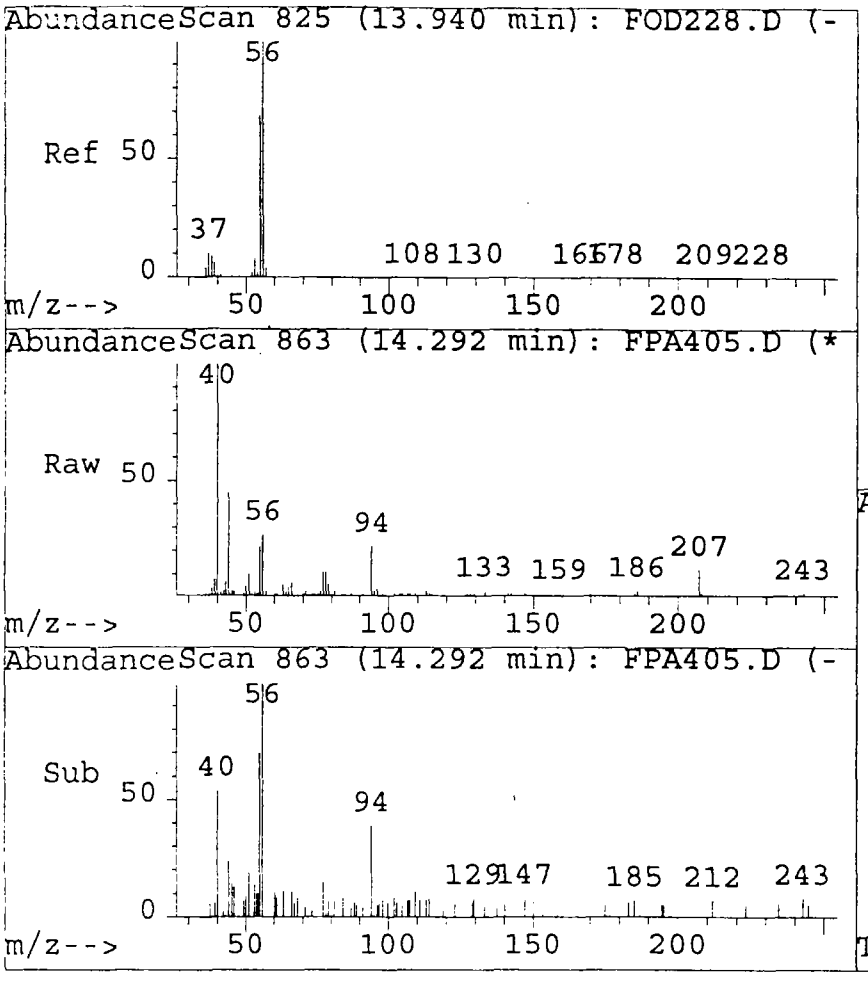
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPA405.D Vial: 5
Acq On : 5 Apr 95 8:58 am Operator:
Sample : 95GVF083-MB1 FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS Multiplr: 1.00
Quant Time: Apr 5 9:34 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	18.31	128	1570145	50.00 ug/l	-0.06
25) 1,4-Difluorobenzene	20.08	114	5742017	50.00 ug/l	-0.07
44) Chlorobenzene-d5	26.00	117	4589205	50.00 ug/l	-0.07
System Monitoring Compounds					**%Recovery**
23) 1,2-Dichloroethane-d4	19.34	65	2012092	54.89 ug/l	109.77%
49) Toluene-d8	22.96	98	4853519	47.51 ug/l	95.02%
55) Bromofluorobenzene	28.63	95	4284578	50.43 ug/l	100.87%
Target Compounds					**Qvalue**
8) Acrolein	14.29	56	8472	3.21 ug/l #	15
10) Acetone	14.67	43	315433	47.89 ug/l	97
13) Methylene Chloride	15.51	84	166068	3.31 ug/l #	61
15) Acetonitrile	15.22	41	7400	0.74 ug/l #	20
20) Methacrylonitrile	18.44	41	85065	9.00 ug/l #	56
21) 2-Butanone	18.44	43	26366	3.51 ug/l #	1
24) 1,2-Dichloroethane	20.06	62	93711	2.04 ug/l #	1
30) Isobutanol	18.44	43	15971	34.64 ug/l #	1
45) 4-Methyl-2-Pentanone	22.61	43	24178	1.39 ug/l #	67
46) 2-Hexanone	24.30	43	19311	1.75 ug/l #	90
57) 1,2,3-Trichloropropane	28.63	75	1880956	38.45 ug/l #	51

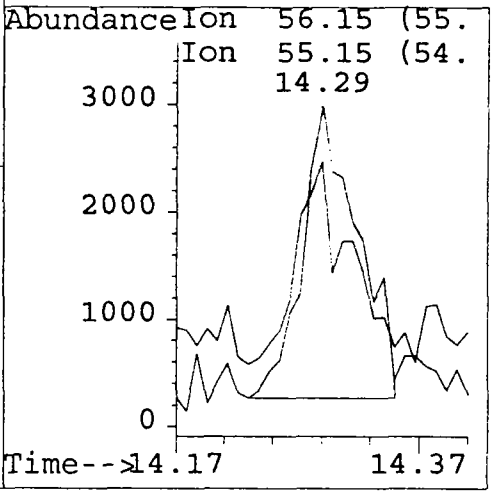
(#) = qualifier out of range (m) = manual integration

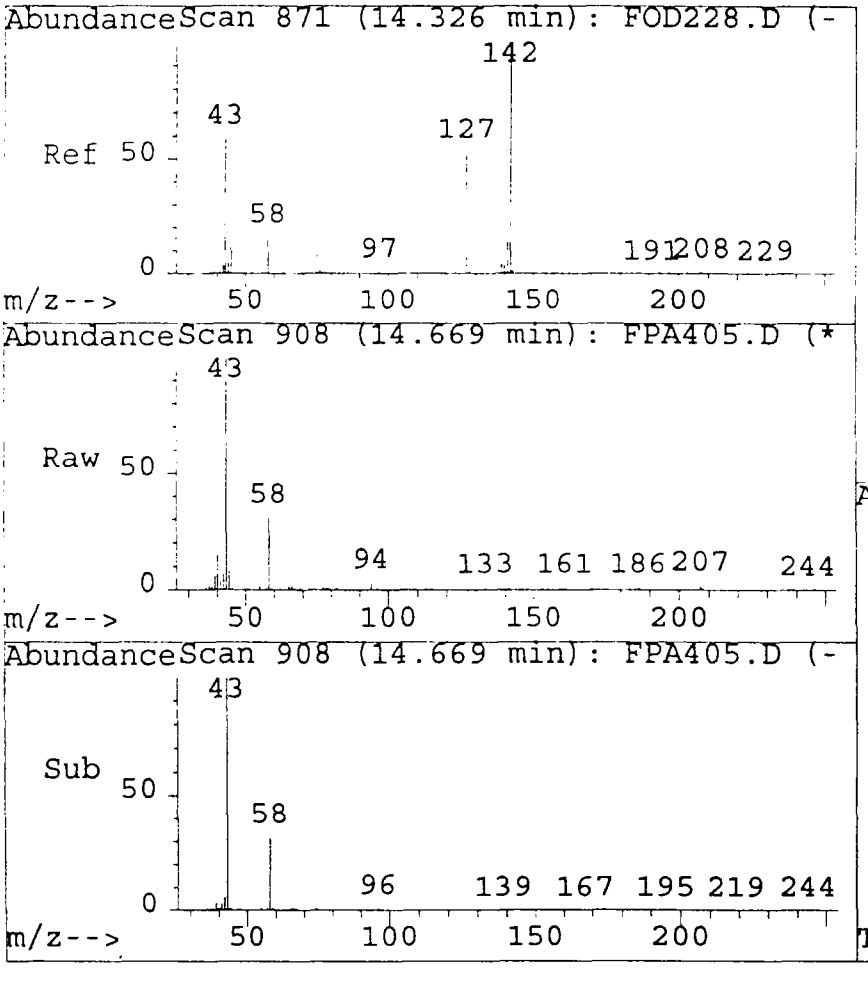


#8
Acrolein
Concen: 3.21 ug/l
RT: 14.29 min Scan# 863
Delta R.T. -0.07 min
Lab File: FPA405.D
Acq: 5 Apr 95 8:58 am

Tgt Ion:56.15 Resp: 8472

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.1	84.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

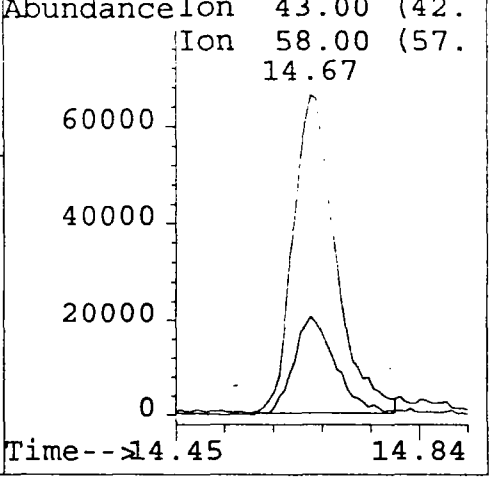


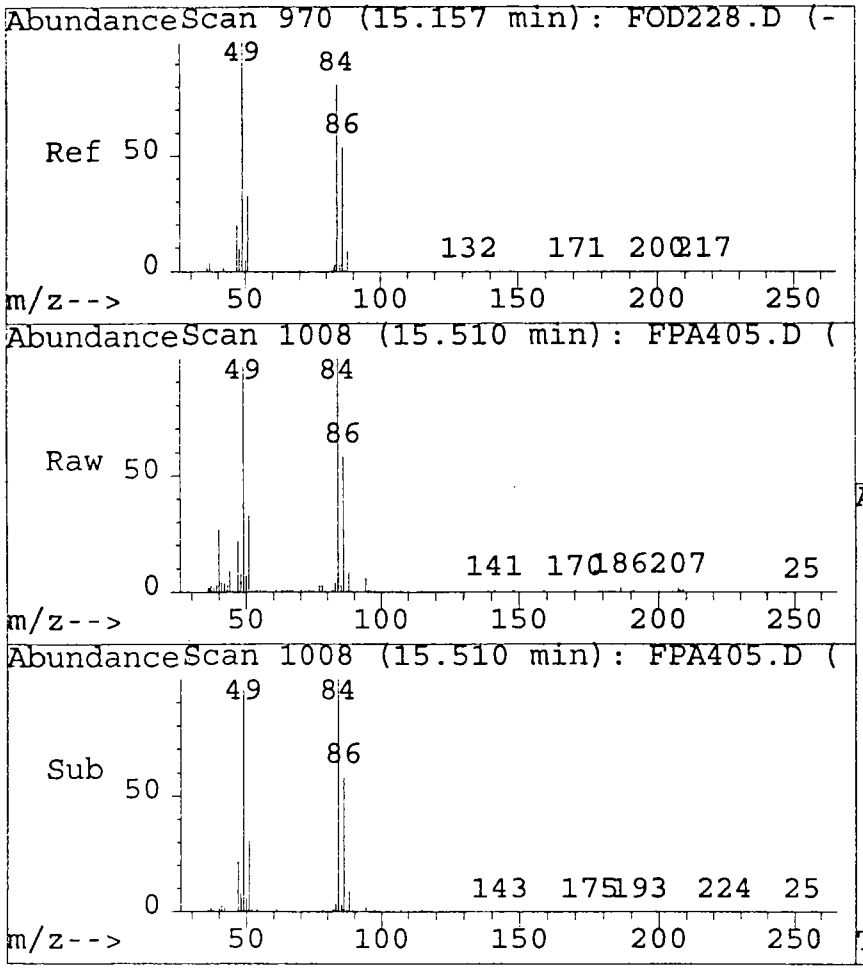


#10
Acetone
Concen: 47.89 ug/l
RT: 14.67 min Scan# 908
Delta R.T. -0.06 min
Lab File: FPA405.D
Acq: 5 Apr 95 8:58 am

Tgt Ion:43 Resp: 315433

Ion	Ratio	Lower	Upper
43	100		
58	29.5	8.0	48.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

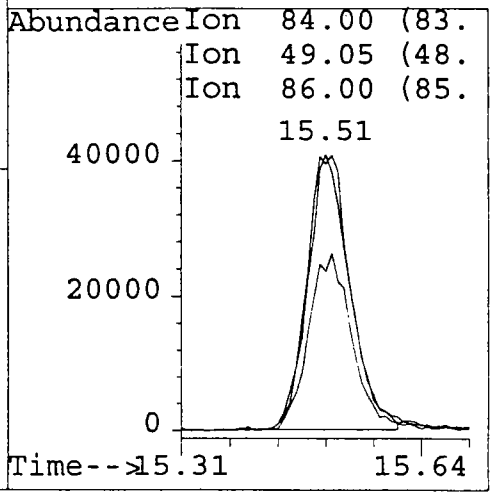


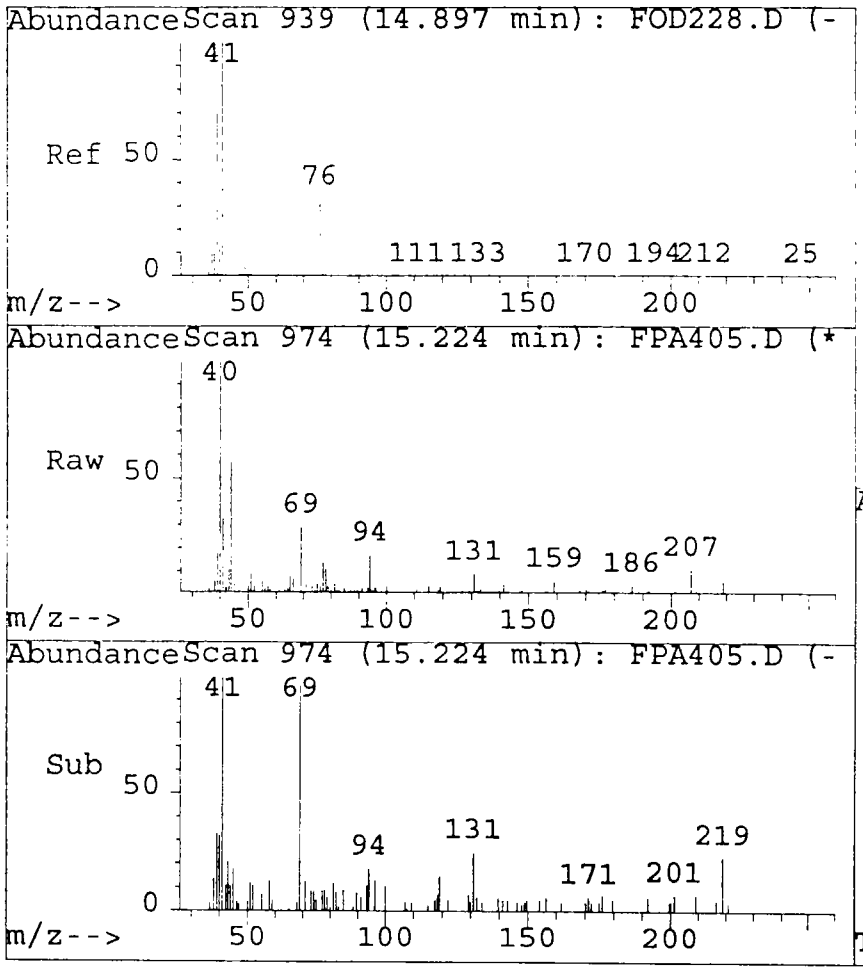


#13
Methylene Chloride
Concen: 3.31 ug/l
RT: 15.51 min Scan# 1008
Delta R.T. -0.07 min
Lab File: FPA405.D
Acq: 5 Apr 95 8:58 am

Tgt Ion:84 Resp: 166068

Ion	Ratio	Lower	Upper
84	100		
49	53.0	100.7	140.7#
86	66.6	48.1	88.1
0	0.0	0.0	0.0

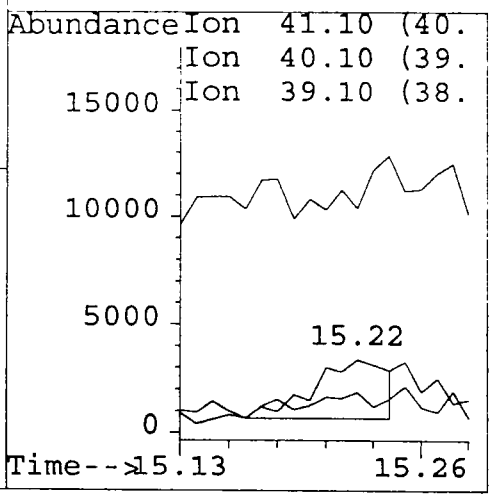




#15
Acetonitrile
Concen: 0.74 ug/l
RT: 15.22 min Scan# 974
Delta R.T. -0.10 min
Lab File: FPA405.D
Acq: 5 Apr 95 8:58 am

Tgt Ion:41.1 Resp: 7400

Ion	Ratio	Lower	Upper
41	100		
40	0.0	13.3	19.9#
39	0.0	60.7	91.0#
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPA405.D
Acq On : 5 Apr 95 8:58 am
Sample : 95GVF083-MB1 FNA405
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS

Vial: 5
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1

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

Lab File ID: FPD410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

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

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 95GVF087-MB1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FPD410

Level: (low/med) LOW Date Received: 04/10/95

% Moisture: not dec. 0 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

FORM 1 V-2 12/88 Rev.

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1

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

Lab File ID: FPD410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC

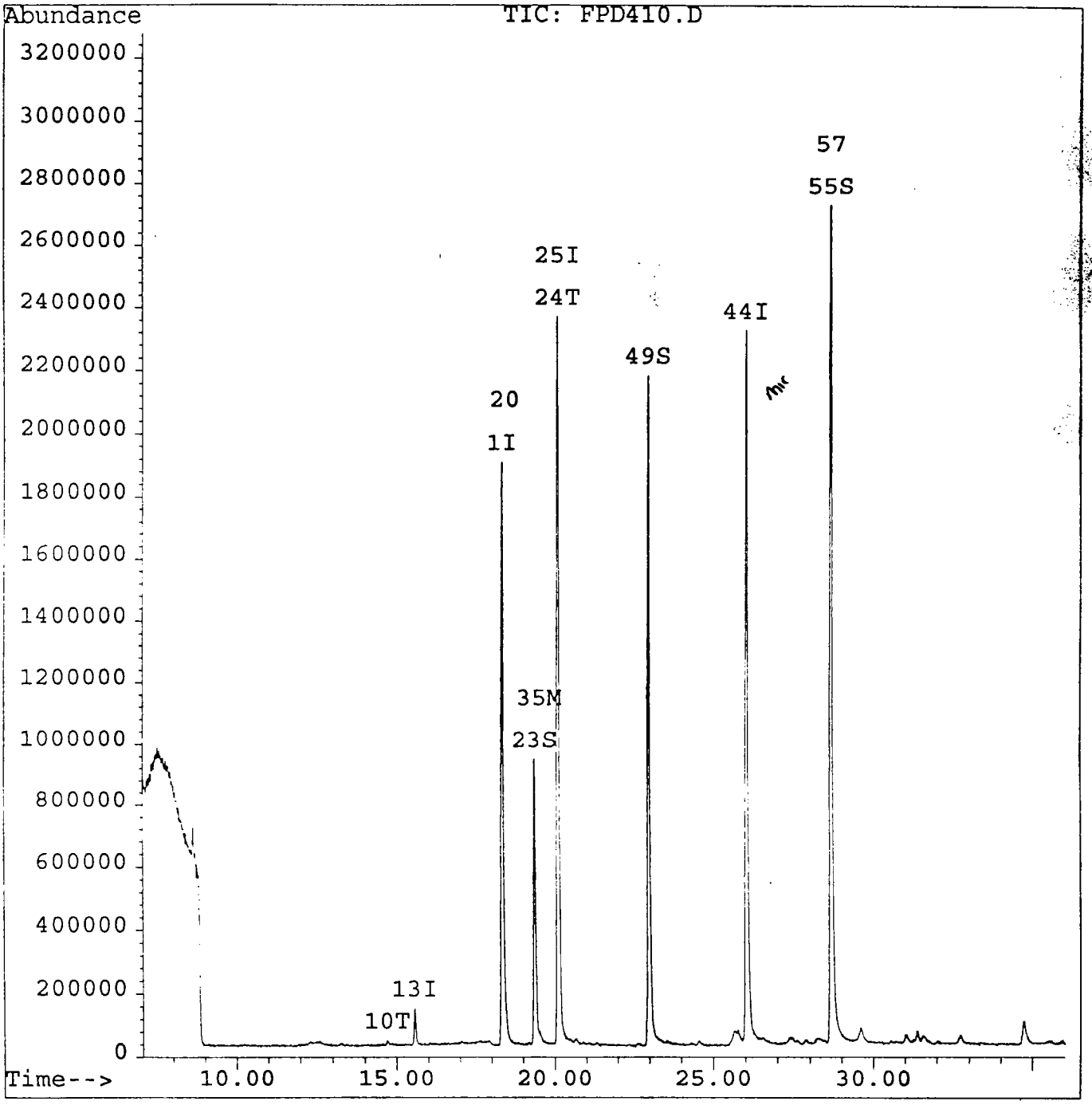
12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPD410.D
Acq On : 10 Apr 95 10:10 am
Sample : 95GVF087-MB1 FNA410
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW
Quant Time: Apr 10 10:46 1995

Vial: 7
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

TR1P 4/11

Data File : C:\HPCHEM\1\DATA\APR1095\FPD410.D Vial: 7
Acq On : 10 Apr 95 10:10 am Operator:
Sample : 95GVF087-MB1 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 10:46 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

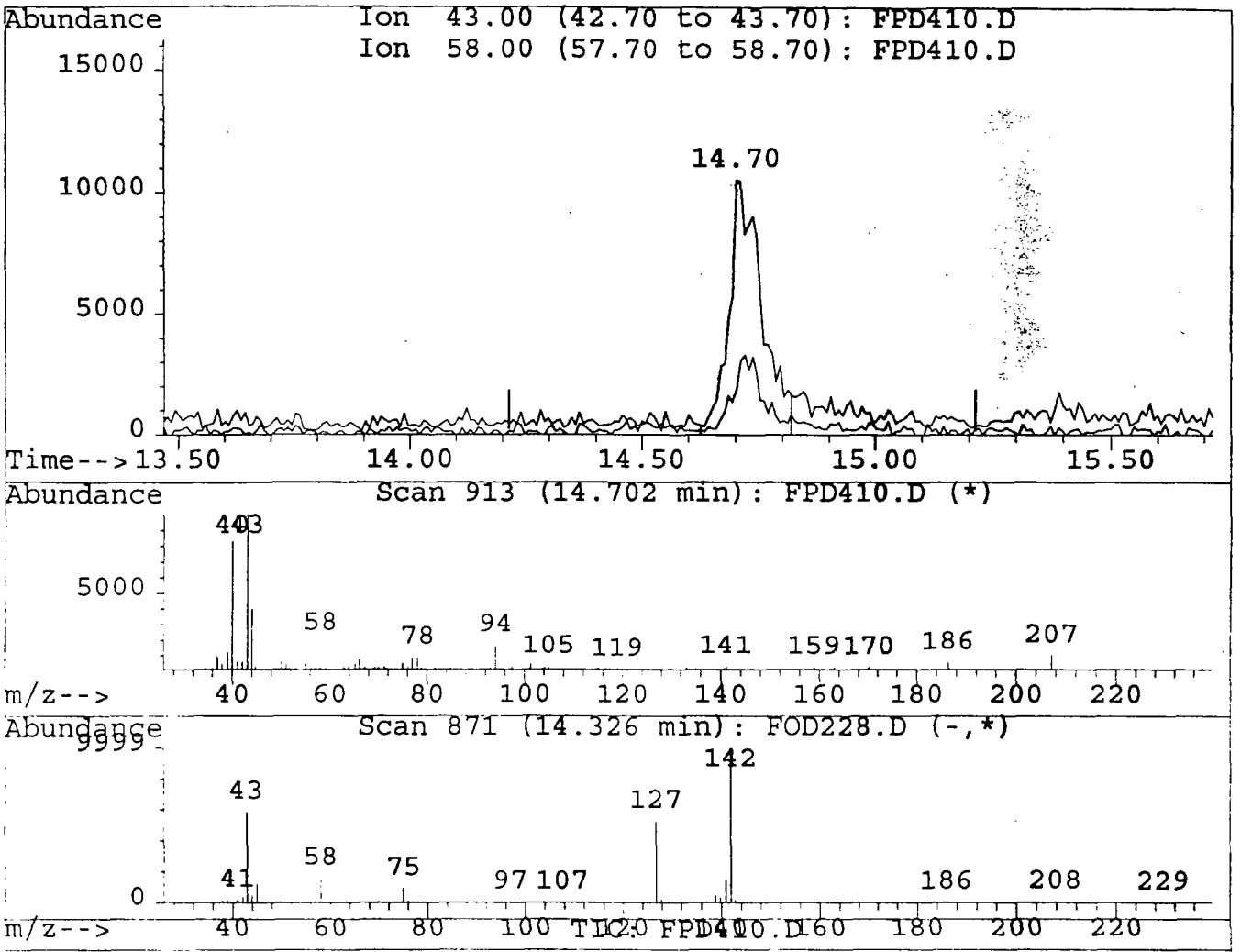
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Bromochloromethane	18.35	128	1285535	50.00 ug/l		0.05
25) 1,4-Difluorobenzene	20.11	114	4893828	50.00 ug/l		0.03
44) Chlorobenzene-d5	26.04	117	3723699	50.00 ug/l		0.02
System Monitoring Compounds						%Recovery
23) 1,2-Dichloroethane-d4	19.37	65	1510229	46.82 ug/l		93.65%
49) Toluene-d8	22.99	98	3896950	48.01 ug/l		96.01%
55) Bromofluorobenzene	28.67	95	3262854	54.39 ug/l		108.77%
Target Compounds				5.15 ug/l		Qvalue
10) Acetone	14.70	43	22957	~~2.31~~ ug/l		96
11) Methylene Chloride	15.58	84	127079	3.04 ug/l		93
20) Methacrylonitrile	18.45	41	18551	1.62 ug/l	#	25
24) 1,2-Dichloroethane	20.10	62	140464	3.57 ug/l	#	1
35) Benzene	19.53	78	58340	0.70 ug/l		100
57) 1,2,3-Trichloropropane	28.67	75	1421303	26.82 ug/l	#	51

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPD410.D Vial: 7
Acq On : 10 Apr 95 10:10 am Operator:
Sample : 95GVF087-MB1 FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW Multiplr: 1.00
Quant Time: Apr 10 10:55 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



(10) Acetone (T)
14.70min 5.15ug/l m
response 51257

Ion	Exp%	Act%
43.00	100	100
58.00	28.00	17.98
0.00	0.00	0.00
0.00	0.00	0.00

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPD410.D
Acq On : 10 Apr 95 10:10 am
Sample : 95GVF087-MB1 FNA410
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW

Vial: 7
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Library : NBS75K.L

No Library Search Compounds Detected

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWSMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001 MS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV02

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	32	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	190	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWSMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001 MS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV02

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

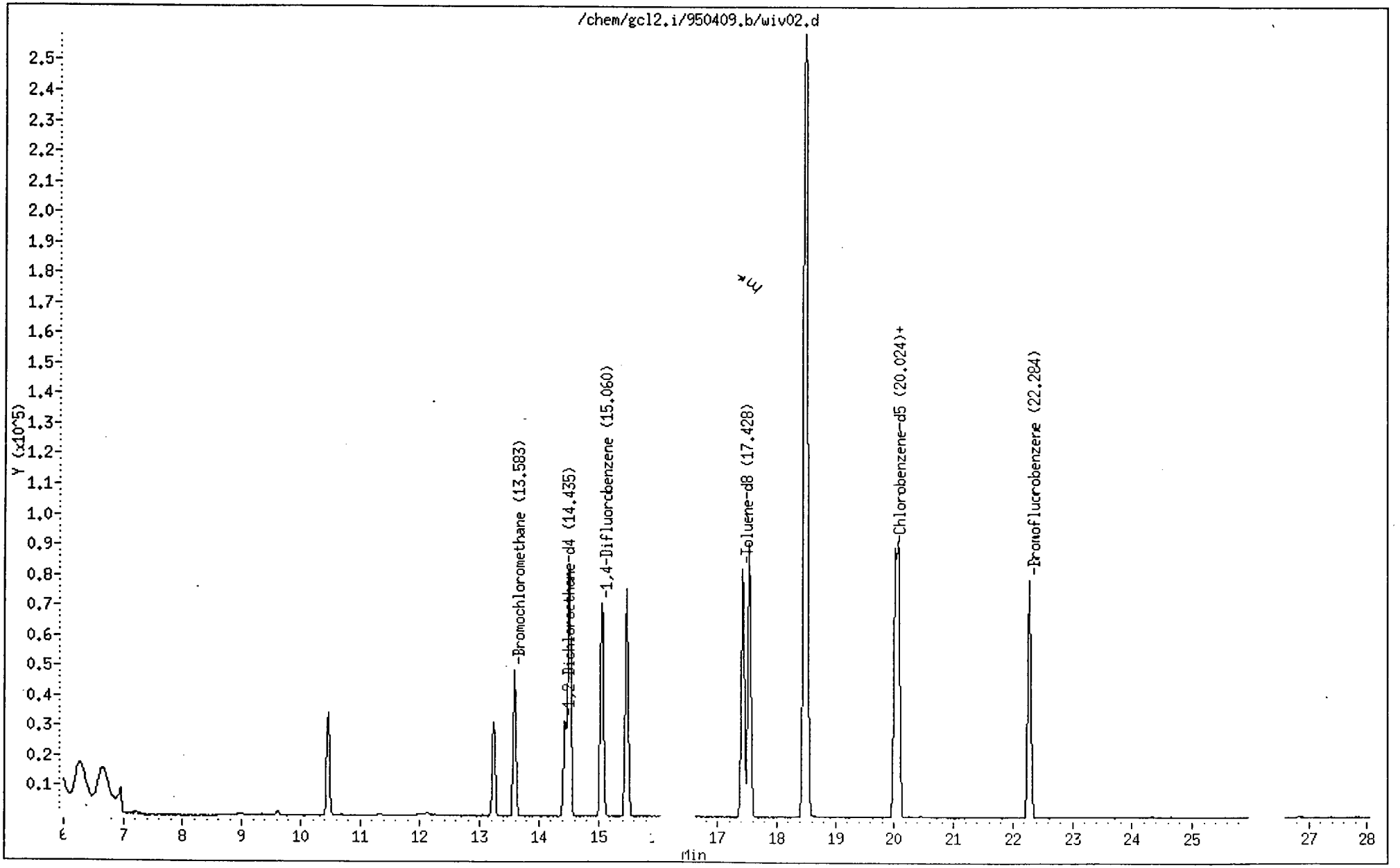
FORM 1 V-2

12/88 Rev.

Data File: /chem/gcl2.i/950409.b/wiv02.d
Date : 09-APR-1995 23:30
Client ID:
Sample Info: 9503G001-001S BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv02.d
Lab Smp Id:
Inj Date : 09-APR-1995 23:30
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-001S BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 1,1-Dichloroethene	96.00	10.461	10.482	(0.770)	24979	43.10 ✓	8.62
	21 1,2-Dichloroethene (total)	96.00	13.236	13.258	(0.974)	23950	31.66	6.33
	22 cis-1,2-Dichloroethene	96.00	13.236	13.258	(0.974)	23950	25.00	5.00
*	27 Bromochloromethane	127.80	13.583	13.615	(1.000)	20968 ✓	50.00	
$	33 1,2-Dichloroethane-d4	65.00	14.435	14.468	(1.063)	31841	49.46 ✓	9.89
	34 Benzene	78.00	14.514	14.537	(0.964)	127939	47.41 ✓	9.48
*	36 1,4-Difluorobenzene	114.00	15.060	15.082	(1.000)	107323 ✓	50.00	
	38 Trichloroethene	130.00	15.466	15.499	(1.027)	56154	51.47 ✓	10.29
	45 2-Nitropropane	43.00	17.537	17.235	(1.291)	1951		
$	46 Toluene-d8	98.00	17.428	17.443	(0.871)	106047	48.92 ✓	9.78
	47 Toluene	91.00	17.537	17.562	(0.876)	127816	47.58 ✓	9.52
	52 Tetrachloroethene	164.00	18.488	18.504	(0.924)	179222	194.9	38.99
*	56 Chlorobenzene-d5	117.00	20.014	20.031	(1.000)	94533 ✓	50.00	
	57 Chlorobenzene	112.00	20.074	20.091	(1.003)	91864	46.85 ✓	9.37
$	64 Bromofluorobenzene	95.00	22.284	22.293	(1.113)	64242	49.92 ✓	9.98

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWSMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 9503G001-001 MSD

Sample wt/vol: 5 (g/mL) ML Lab File ID: BWIV03

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. _____ Date Analyzed: 04/10/95

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	34	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	200	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

S: SPIKE COMPOUND FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-GWSMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 9503G001-001 MSD

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BWIV03

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

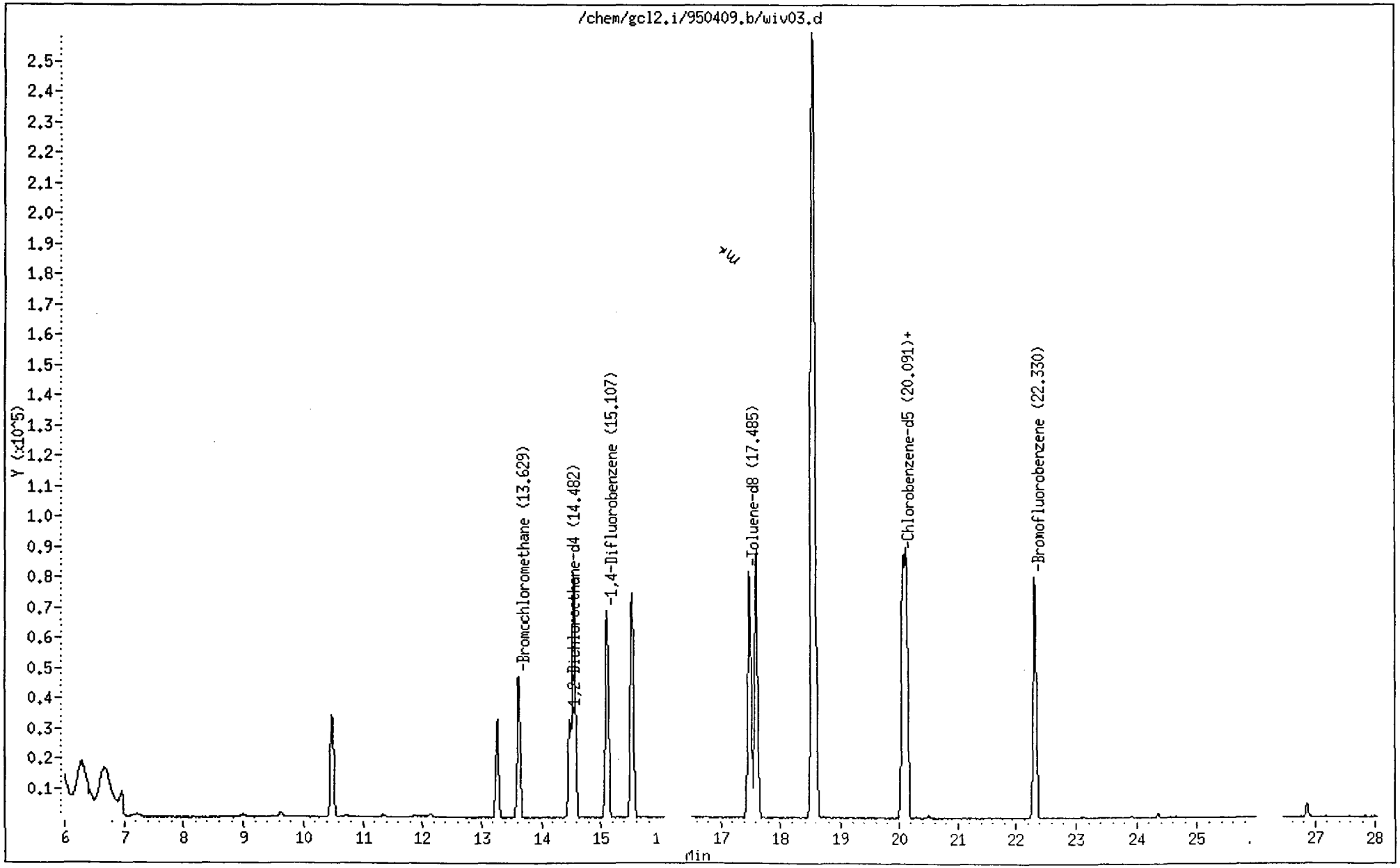
FORM 1 V-2

12/88 Rev.

Data File: /chem/gcl2.i/950409.b/wiv03.d
Date : 10-APR-1995 00:07
Client ID:
Sample Info: 9503G001-001T BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/wiv03.d
Lab Smp Id:
Inj Date : 10-APR-1995 00:07
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 9503G001-001T BXB409
Misc Info : GCL#3,DIL=1,5ML SMP+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 1,1-Dichloroethene	96.00	10.478	10.482	(0.769)	25223	45.23 ✓	9.04
	21 1,2-Dichloroethene (total)	96.00	13.272	13.258	(0.975)	24909	34.21	6.84
	22 cis-1,2-Dichloroethene	96.00	13.272	13.258	(0.975)	24909	27.02	5.40
*	27 Bromochloromethane	127.80	13.619	13.615	(1.000)	20177 ✓	50.00	
$	33 1,2-Dichloroethane-d4	65.00	14.482	14.468	(1.063)	32602	52.63 ✓	10.53
	34 Benzene	78.00	14.551	14.537	(0.963)	125902	47.79 ✓	9.56
*	36 1,4-Difluorobenzene	114.00	15.107	15.082	(1.000)	104771 ✓	50.00	
	38 Trichloroethene	130.00	15.523	15.499	(1.028)	55524	52.13 ✓	10.43
	45 2-Nitropropane	43.00	17.594	17.235	(1.292)	1960		
$	46 Toluene-d8	98.00	17.485	17.443	(0.871)	105958	49.85 ✓	9.97
	47 Toluene	91.00	17.604	17.562	(0.877)	125270	47.56 ✓	9.51
	62 Tetrachloroethene	164.00	18.555	18.504	(0.924)	180886	200.6	40.13
*	56 Chlorobenzene-d5	117.00	20.081	20.031	(1.000)	92695 ✓	50.00	
	57 Chlorobenzene	112.00	20.131	20.091	(1.002)	89324	46.46 ✓	9.29
$	64 Bromofluorobenzene	95.00	22.330	22.293	(1.112)	64625	51.21 ✓	10.24

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBSMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-017 MS

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

Lab File ID: FWIV12

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBSMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-017 MS

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

Lab File ID: FWIV12

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
107-02-8	Acrolein	580	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	12	U
75-71-8	Dichlorodifluoromethane	23	U
75-05-8	Acetonitrile	120	U
74-88-4	Iodomethane	12	U
107-12-0	Propionitrile (Ethyl Cyanide)	58	U
107-05-1	3-Chloropropene	23	U
126-98-7	Methacrylonitrile	23	U
74-95-3	Dibromomethane	12	U
78-83-1	Isobutyl alcohol	2300	U
106-93-4	1,2-Dibromoethane	23	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
110-57-6	trans-1,4-Dichloro-2-butene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
126-99-8	2-Chloro-1,3-Butadiene	120	U
80-62-6	Methylmethacrylate	23	U
97-63-2	Ethylmethacrylate	23	U
76-01-7	Pentachloroethane	23	U

S: SPIKE COMPOUND

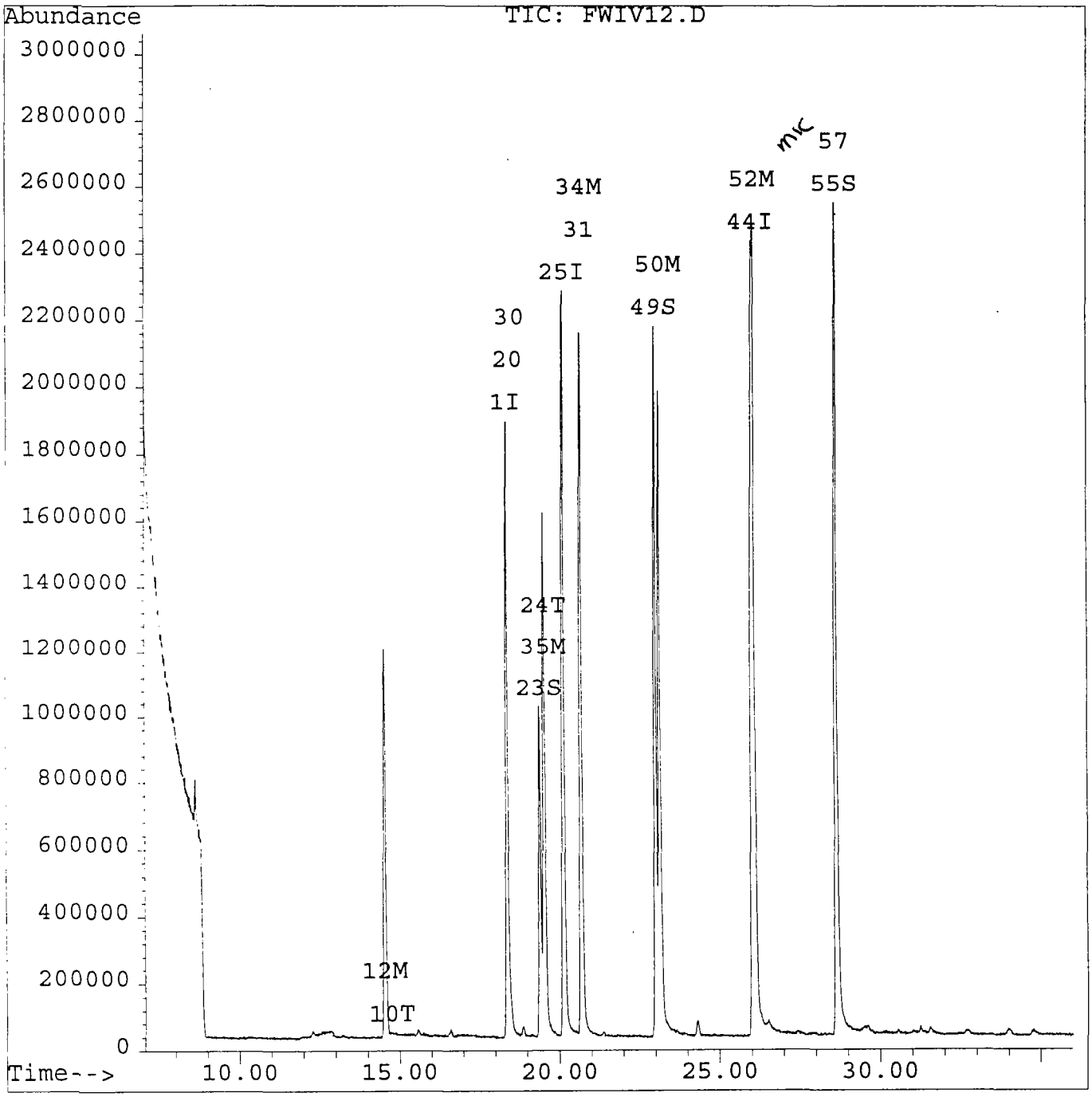
FORM 1 V-2

12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV12.D Vial: 14
Acq On : 10 Apr 95 1:25 pm Operator:
Sample : 9503G001-017S FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 14:01 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV12.D Vial: 14
Acq On : 10 Apr 95 1:25 pm Operator:
Sample : 9503G001-017S FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 14:01 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	18.36	128	1283369	50.00	ug/l	0.06
25) 1,4-Difluorobenzene	20.13	114	4706038	50.00	ug/l	0.05
44) Chlorobenzene-d5	26.03	117	3497814	50.00	ug/l	0.01
System Monitoring Compounds						%Recovery
23) 1,2-Dichloroethane-d4	19.39	65	1633767	50.74	ug/l	101.48%
49) Toluene-d8	23.00	98	3950586	51.81	ug/l	103.62%
55) Bromofluorobenzene	28.64	95	3074539	54.56	ug/l	109.11%
Target Compounds						Qvalue
~~10~~) Acetone	14.74	43	21125	2.13	ug/l #	47
12) 1,1-Dichloroethene	14.53	96	1194600	42.60	ug/l	95
~~20~~) Methacrylonitrile	18.45	41	6299	0.55	ug/l #	22
~~24~~) 1,2-Dichloroethane	19.53	62	26177	0.67	ug/l #	41
~~30~~) Isobutanol	18.52	43	5378	9.34	ug/l #	24
~~31~~) Crotononitrile	20.68	67	9957	3.43	ug/l #	1
34) Trichloroethene	20.68	130	1834423	43.64	ug/l	96
35) Benzene	19.53	78	3711842	46.23	ug/l	100
50) Toluene	23.14	92	2340348	45.74	ug/l	99
52) Chlorobenzene	26.09	112	3173021	44.81	ug/l	100
~~57~~) 1,2,3-Trichloropropane	28.64	75	1331855	26.76	ug/l #	51

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBSMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 9503G001-017 MSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FWIV13

Level: (low/med) LOW Date Received: 03/29/95

% Moisture: not dec. 14 Date Analyzed: 04/10/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

S: SPIKE COMPOUND FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

TC2-CP11-SBSMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 9503G001-017 MSD

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

Lab File ID: FWIV13

Level: (low/med) LOW

Date Received: 03/29/95

% Moisture: not dec. 14

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

CAS NO.	COMPOUND		
107-02-8	Acrolein	580	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	12	U
75-71-8	Dichlorodifluoromethane	23	U
75-05-8	Acetonitrile	120	U
74-88-4	Iodomethane	12	U
107-12-0	Propionitrile (Ethyl Cyanide)	58	U
107-05-1	3-Chloropropene	23	U
126-98-7	Methacrylonitrile	23	U
74-95-3	Dibromomethane	12	U
78-83-1	Isobutyl alcohol	2300	U
106-93-4	1,2-Dibromoethane	23	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
110-57-6	trans-1,4-Dichloro-2-butene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
126-99-8	2-Chloro-1,3-Butadiene	120	U
80-62-6	Methylmethacrylate	23	U
97-63-2	Ethylmethacrylate	23	U
76-01-7	Pentachloroethane	23	U

S: SPIKE COMPOUND

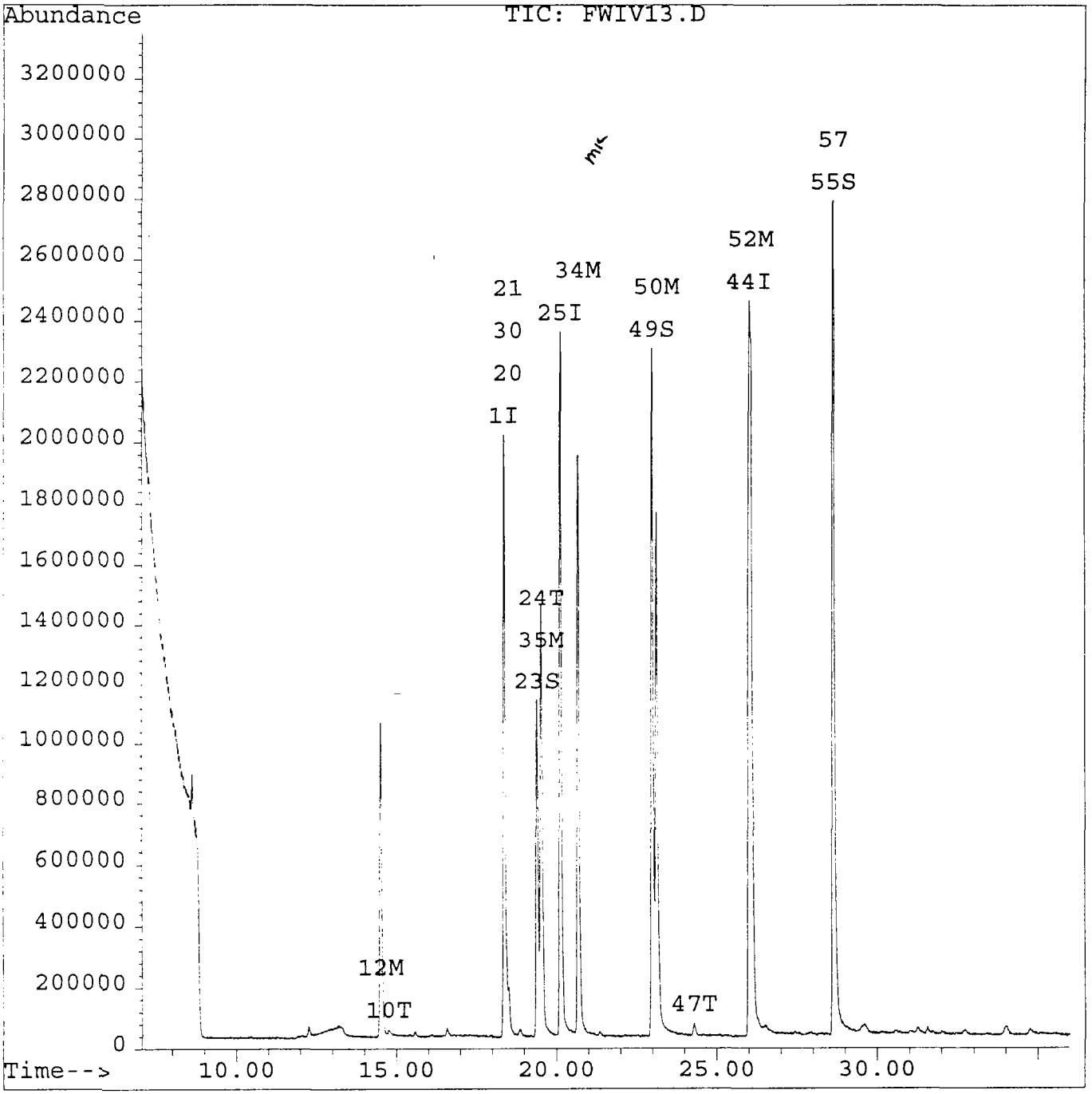
FORM 1 V-2

12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV13.D Vial: 15
Acq On : 10 Apr 95 2:05 pm Operator:
Sample : 9503G001-017T FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 14:42 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FWIV13.D Vial: 15
Acq On : 10 Apr 95 2:05 pm Operator:
Sample : 9503G001-017T FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSMP+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 14:42 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.37	128	1350598	50.00	ug/l		0.07
25) 1,4-Difluorobenzene	20.13	114	4832644	50.00	ug/l		0.05
44) Chlorobenzene-d5	26.02	117	3681059	50.00	ug/l		0.00
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.39	65	1840014	54.30	ug/l		108.60%
49) Toluene-d8	22.99	98	4165123	51.90	ug/l		103.81%
55) Bromofluorobenzene	28.64	95	3335822	56.25	ug/l		112.49%
Target Compounds							Qvalue
10) Acetone	14.75	43	50630	4.84	ug/l		92
12) 1,1-Dichloroethene	14.51	96	1063869	36.05	ug/l		95
20) Methacrylonitrile	18.50	41	94801	7.87	ug/l	#	50
21) 2-Butanone	18.51	43	36543	2.52	ug/l	#	1
24) 1,2-Dichloroethane	19.53	62	24384	0.59	ug/l	#	41
30) Isobutanol	18.51	43	30723	51.98	ug/l	#	1
34) Trichloroethene	20.67	130	1661175	38.48	ug/l		98
35) Benzene	19.52	78	3360264	40.76	ug/l		100
47) Tetrachloroethene	24.29	164	24896	0.52	ug/l	#	67
50) Toluene	23.13	92	2100424	39.01	ug/l		96
52) Chlorobenzene	26.09	112	2868855	38.50	ug/l		99
57) 1,2,3-Trichloropropane	28.64	75	1481385	28.28	ug/l	#	51

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB076-MB1 BS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZB409

Level: (low/med) LOW

Date Received: 04/09/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB076-MB1 BS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZB409

Level: (low/med) LOW

Date Received: 04/09/95

% Moisture: not dec. _____

Date Analyzed: 04/09/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

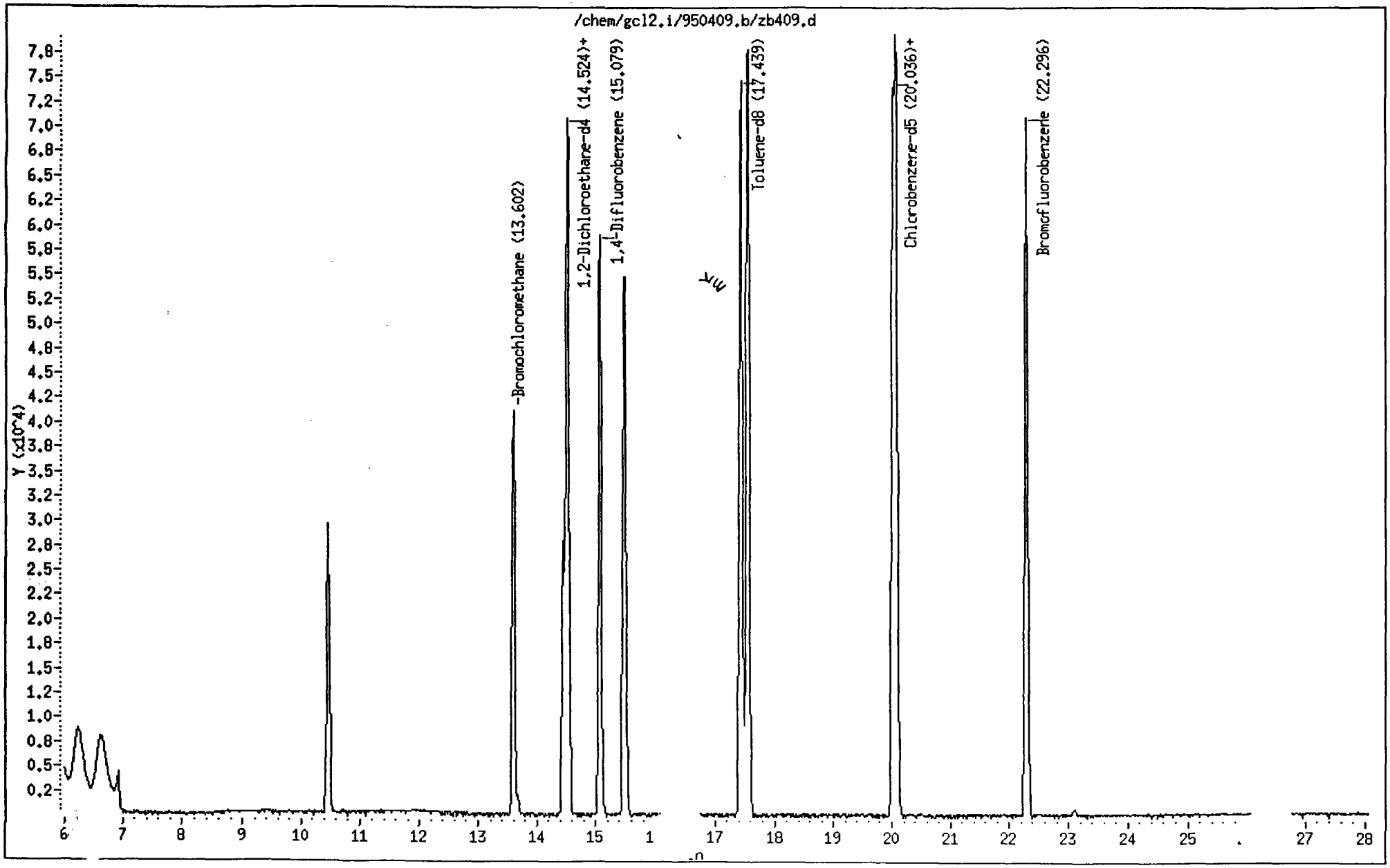
FORM 1 V-2

12/88 Rev.

Data File: /chem/gcl2.i/950409.b/zb409.d
Date : 09-APR-1995 20:09
Client ID:
Sample Info: 95GVB076-MB1S BXB409
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/zb409.d
Lab Smp Id:
Inj Date : 09-APR-1995 20:09
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB076-MB1S BXB409
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 09-Apr-1995 19:12 csadmin Quant Type: ISTD
Cal Date : 09-APR-1995 18:18 Cal File: yb409.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
11 1,1-Dichloroethene	96.00	10.470	10.482	(0.770)	21580	45.57 ✓	9.11
* 27 Bromochloromethane	127.80	13.602	13.615	(1.000)	17135 ✓	50.00	
$ 33 1,2-Dichloroethane-d4	65.00	14.455	14.468	(1.063)	28204	53.62 ✓	10.72
34 Benzene	78.00	14.524	14.537	(0.963)	110736	49.62 ✓	9.92
* 36 1,4-Difluorobenzene	114.00	15.079	15.082	(1.000)	88752 ✓	50.00	
38 Trichloroethene	130.00	15.486	15.499	(1.027)	40710	45.12 ✓	9.02
45 2-Nitropropane	43.00	17.558	17.235	(1.291)	1669		
$ 46 Toluene-d8	98.00	17.439	17.443	(0.871)	95223	52.16	10.43
47 Toluene	91.00	17.558	17.562	(0.877)	111230	49.16 ✓	9.83
* 56 Chlorobenzene-d5	117.00	20.026	20.031	(1.000)	79622 ✓	50.00 ✓	
57 Chlorobenzene	112.00	20.076	20.091	(1.002)	79965	48.42 ✓	9.68
$ 64 Bromofluorobenzene	95.00	22.296	22.293	(1.113)	58704	54.16 ✓	10.83

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB076-MB1 BSD

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZC409

Level: (low/med) LOW

Date Received: 04/09/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB076-MB1 BSD

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZC409

Level: (low/med) LOW

Date Received: 04/09/95

% Moisture: not dec. _____

Date Analyzed: 04/10/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

FORM 1 V-2

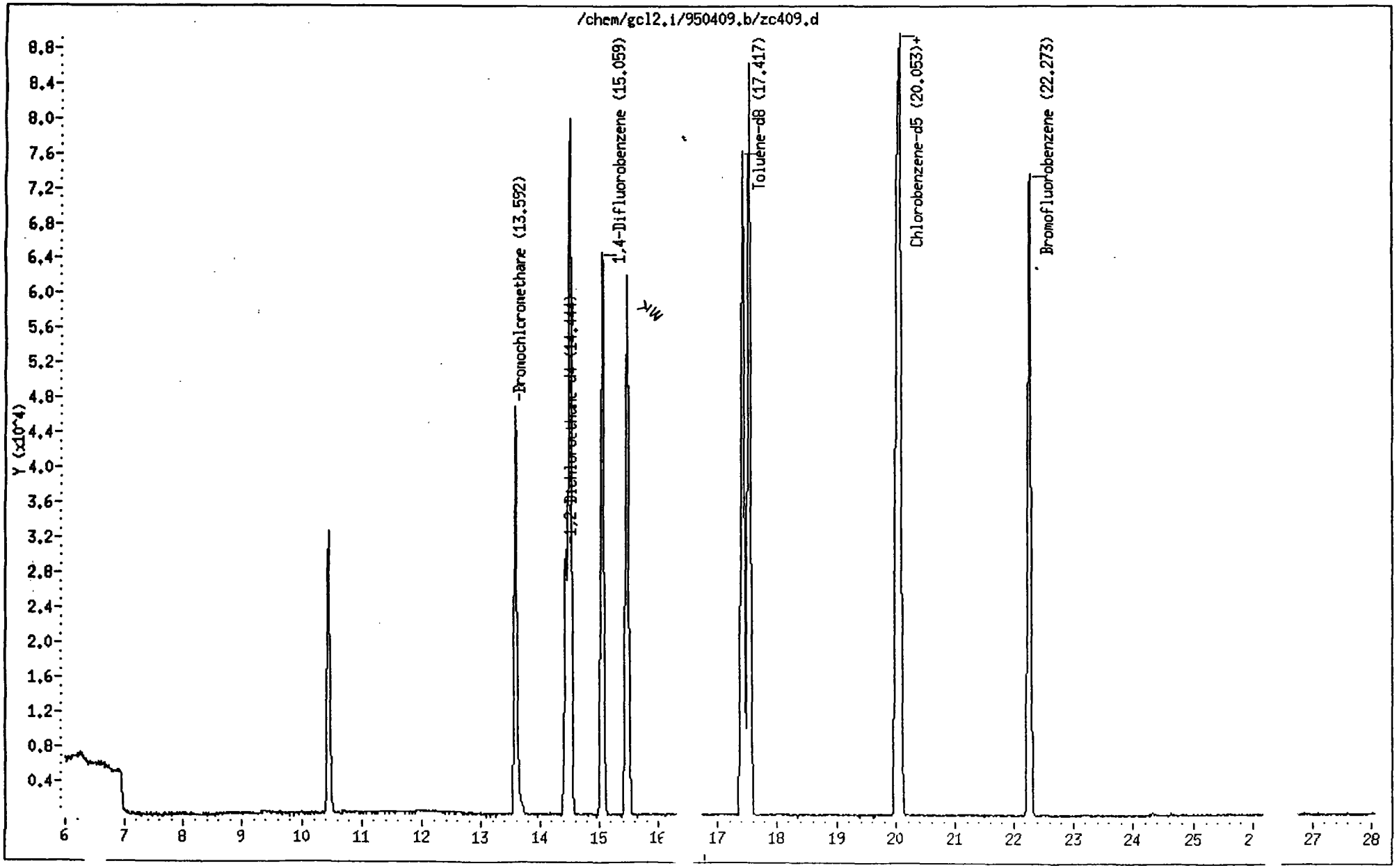
12/88 Rev.

Data File: /chem/gcl2.i/950409.b/zc409.d
Date : 10-APR-1995 04:33
Client ID:
Sample Info: 95GVB076-MB1T BXB409

Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950409.b/zc409.d
Lab Smp Id:
Inj Date : 10-APR-1995 04:33
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB076-MB1T BXB409
Misc Info : GCL#2,DIL=1,5ML OFW+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950409.b/8240w2.m
Meth Date : 10-Apr-1995 08:16 csadmin Quant Type: ISTD
Cal Date : 10-APR-1995 07:35 Cal File: ya410.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12

MK

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	,1-Dichloroethene	96.00	10.460	10.456	(0.770)	23740	43.89	43.89
* 27	Bromochloromethane	127.80	13.592	13.579	(1.000)	19571	50.00	
$ 33	1,2-Dichloroethane-d4	65.00	14.444	14.442	(1.063)	30269	50.38	50.38
34	Benzene	78.00	14.513	14.511	(0.964)	122180	49.47	49.47
* 36	1,4-Difluorobenzene	114.00	15.059	15.057	(1.000)	98231	50.00	
38	Trichloroethene	130.00	15.475	15.473	(1.028)	45780	45.84	45.84
$ 46	Toluene-d8	98.00	17.417	17.437	(0.871)	97439	47.89	47.89
47	Toluene	91.00	17.536	17.546	(0.877)	122309	48.51	48.51
* 56	Chlorobenzene-d5	117.00	20.003	20.045	(1.000)	88733	50.00	
57	Chlorobenzene	112.00	20.063	20.095	(1.003)	89081	48.40	48.40
$ 64	Bromofluorobenzene	95.00	22.273	22.316	(1.113)	60119	49.77	49.77

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 95GVB079-MB1 BS

Sample wt/vol: 5 (g/mL) ML Lab File ID: BZB411

Level: (low/med) LOW Date Received: 04/11/95

% Moisture: not dec. _____ Date Analyzed: 04/11/95

Column: (pack/cap) PACK Dilution Factor: 1.0

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

S: SPIKE COMPOUND FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB079-MB1 BS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZB411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/11/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

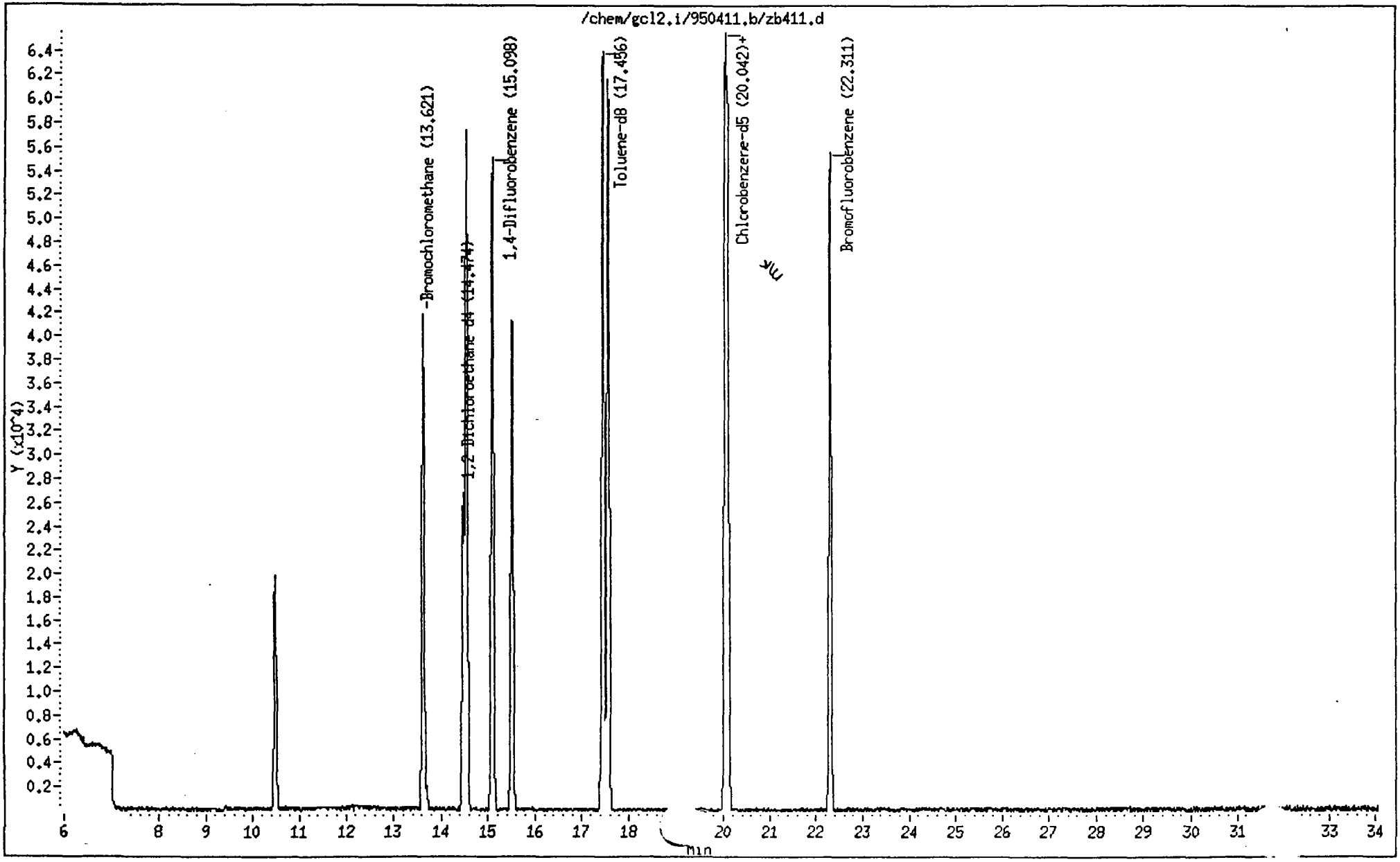
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

Data File: /chem/gcl2.i/950411.b/zb411.d
Date : 11-APR-1995 10:36
Client ID:
Sample Info: 95GVB079-MB1S BXA411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411.b/zb411.d
Lab Smp Id:
Inj Date : 11-APR-1995 10:36
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB079-MB1S BXA411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+10ULMS
Comment :
Method : /chem/gcl2.i/950411.b/8240w2.m
Meth Date : 11-Apr-1995 09:13 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 08:08 Cal File: ya411.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
11	1,1-Dichloroethene	96.00	10.491	10.490	(0.770)	14475	41.55 ✓	8.31
* 27	Bromochloromethane	127.80	13.621	13.653	(1.000)	17159 ✓	50.00	
$ 33	1,2-Dichloroethane-d4	65.00	14.474	14.506	(1.063)	27564	53.06 ✓	10.61
34	Benzene	78.00	14.543	14.575	(0.963)	86077	46.14 ✓	9.23
* 36	1,4-Difluorobenzene	114.00	15.098	15.130	(1.000)	82092 ✓	50.00	
38	Trichloroethene	130.00	15.505	15.547	(1.027)	29912	40.60 ✓	8.12
$ 46	Toluene-d8	98.00	17.446	17.511	(0.870)	81493	47.94 ✓	9.59
47	Toluene	91.00	17.565	17.620	(0.876)	85149	45.22 ✓	9.04
* 56	Chlorobenzene-d5	117.00	20.042	20.109	(1.000)	69425 ✓	50.00	
57	Chlorobenzene	112.00	20.092	20.159	(1.002)	60152	45.36 ✓	9.07
$ 64	Bromofluorobenzene	95.00	22.311	22.380	(1.113)	45886	52.94 ✓	10.59

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1 BS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZE411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1 BS

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZE411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

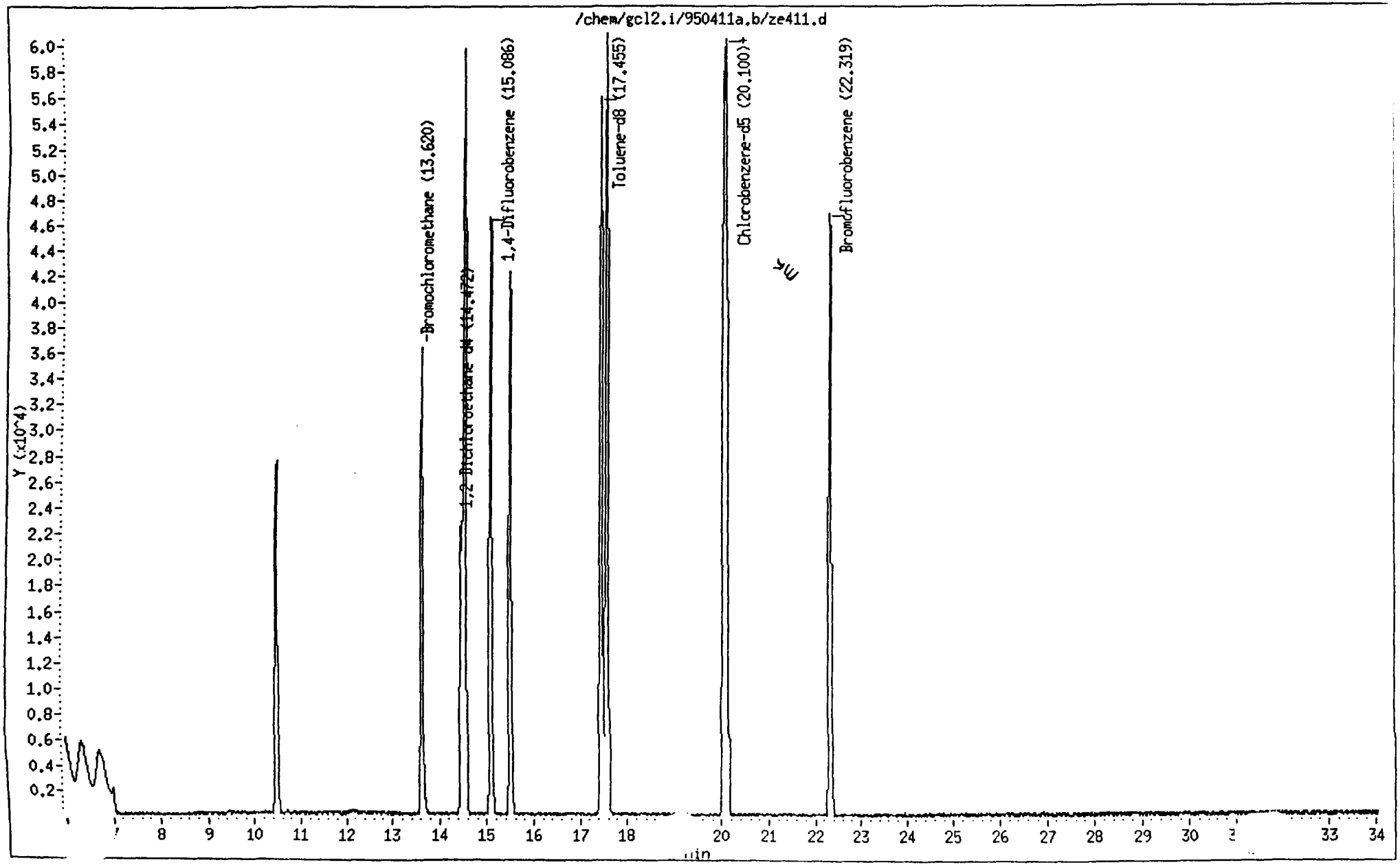
FORM 1 V-2

12/88 Rev.

Data File: /chem/gcl2.i/950411a.b/ze411.d
Date : 12-APR-1995 00:43
Client ID:
Sample Info: 95GVB080-MB1S BXC411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/ze411.d
Lab Smp Id:
Inj Date : 12-APR-1995 00:43
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB080-MB1S BXC411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 1,1-Dichloroethene	96.00	10.489	10.486	(0.770)	19899	61.68 ✓	12.34
*	27 Bromochloromethane	127.80	13.620	13.627	(1.000)	14438	50.00	
S	33 1,2-Dichloroethane-d4	65.00	14.462	14.480	(1.062)	23929	53.48 ✓	10.70
	34 Benzene	78.00	14.541	14.559	(0.964)	90420	53.52 ✓	10.70
*	36 1,4-Difluorobenzene	114.00	15.086	15.104	(1.000)	70695	50.00	
	38 Trichloroethene	130.00	15.503	15.521	(1.028)	30005	47.90 ✓	9.58
	45 2-Nitropropane	43.00	17.574	17.246	(1.290)	1419	7.12	1.42
S	46 Toluene-d8	98.00	17.455	17.464	(0.871)	70318	49.67 ✓	9.93
	47 Toluene	91.00	17.574	17.573	(0.876)	84693	50.08 ✓	10.02
*	56 Chlorobenzene-d5	117.00	20.050	20.041	(1.000)	60365	50.00	
	57 Chlorobenzene	112.00	20.100	20.101	(1.002)	59300	50.58 ✓	10.12
S	64 Bromofluorobenzene	95.00	22.319	22.321	(1.113)	39293	53.41 ✓	10.68

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER Lab Sample ID: 95GVB080-MB1 BSD

Sample wt/vol: 5 (g/mL) ML Lab File ID: BZF411

Level: (low/med) LOW Date Received: 04/11/95

% Moisture: not dec. _____ Date Analyzed: 04/12/95

Column: (pack/cap) PACK Dilution Factor: 1.0

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

S: SPIKE COMPOUND FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: WATER

Lab Sample ID: 95GVB080-MB1 BSD

Sample wt/vol: 5 (g/mL) ML

Lab File ID: BZF411

Level: (low/med) LOW

Date Received: 04/11/95

% Moisture: not dec. _____

Date Analyzed: 04/12/95

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

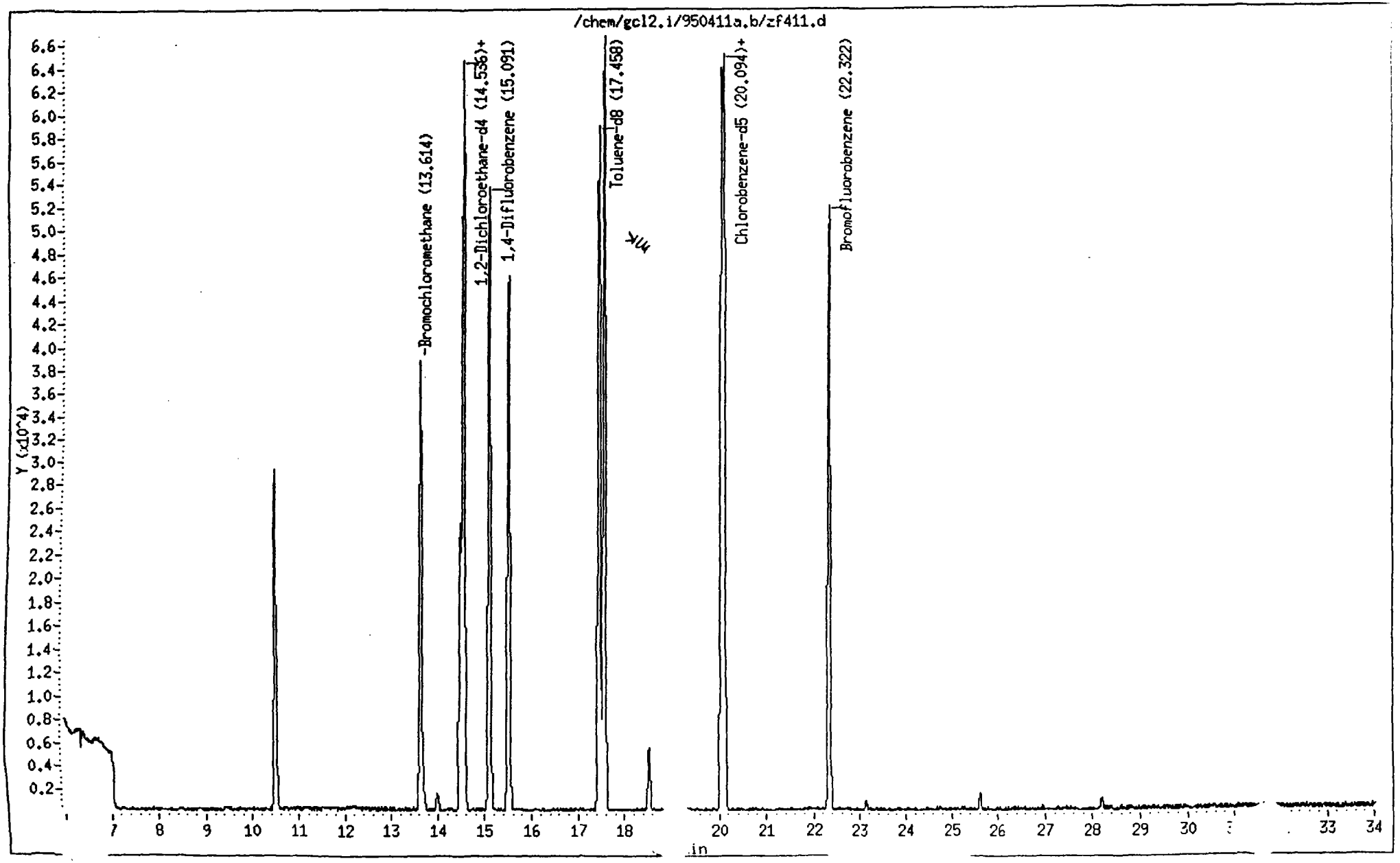
FORM 1 V-2

12/88 Rev.

Data File: /chem/gcl2.i/950411a.b/zf411.d
Date : 12-APR-1995 08:20
Client ID:
Sample Info: 95GVB080-MB1T BXC411
Purge Volume: 5.0
Column phase:

Instrument: gcl2.i

Operator: MANAGER MS
Column diameter: 2.00



Gulf Coast

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/gcl2.i/950411a.b/zf411.d
Lab Smp Id:
Inj Date : 12-APR-1995 08:20
Operator : MANAGER MS Inst ID: gcl2.i
Smp Info : 95GVB080-MB1T BXC411
Misc Info : GCL#2,DIL=1,5MLOFW+5ULIS,SS+10UL211
Comment :
Method : /chem/gcl2.i/950411a.b/8240w2.m
Meth Date : 11-Apr-1995 22:22 kruedinm Quant Type: ISTD
Cal Date : 11-APR-1995 21:39 Cal File: yb411.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.12
Concentration Formula: Uf * 1/Vo

Name	Value	Description
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

mk

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 1,1-Dichloroethene	96.00	10.484	10.486	(0.770)	21546	61.99	12.40
*	27 Bromochloromethane	127.80	13.614	13.627	(1.000)	15553	50.00	
$	33 1,2-Dichloroethane-d4	65.00	14.466	14.480	(1.063)	25652	53.22	10.64
	34 Benzene	78.00	14.536	14.559	(0.963)	98356	52.24	10.45
*	36 1,4-Difluorobenzene	114.00	15.091	15.104	(1.000)	78781	50.00	
	38 Trichloroethene	130.00	15.507	15.521	(1.028)	32656	46.78	9.36
	45 2-Nitropropane	43.00	17.568	17.246	(1.290)	1583	7.38	1.48
$	46 Toluene-d8	98.00	17.448	17.464	(0.871)	75817	48.20	9.64
	47 Toluene	91.00	17.568	17.573	(0.876)	92082	49.01	9.80
	52 Tetrachloroethene	164.00	18.519	18.525	(0.924)	2917	5.13	1.03
*	56 Chlorobenzene-d5	117.00	20.044	20.041	(1.000)	67066	50.00	
	57 Chlorobenzene	112.00	20.104	20.101	(1.003)	63132	48.47	9.69
$	64 Bromofluorobenzene	95.00	22.322	22.321	(1.114)	43097	52.73	10.54

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL Lab Sample ID: 95GVF083-MB1 BS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FPB405

Level: (low/med) LOW Date Received: 04/05/95

% Moisture: not dec. 0 Date Analyzed: 04/05/95

Column: (pack/cap) CAP Dilution Factor: 1.0

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

S: SPIKE COMPOUND FORM 1 V-1 12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF083-MB1 BS

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

Lab File ID: FPB405

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0

Date Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

FORM 1 V-2

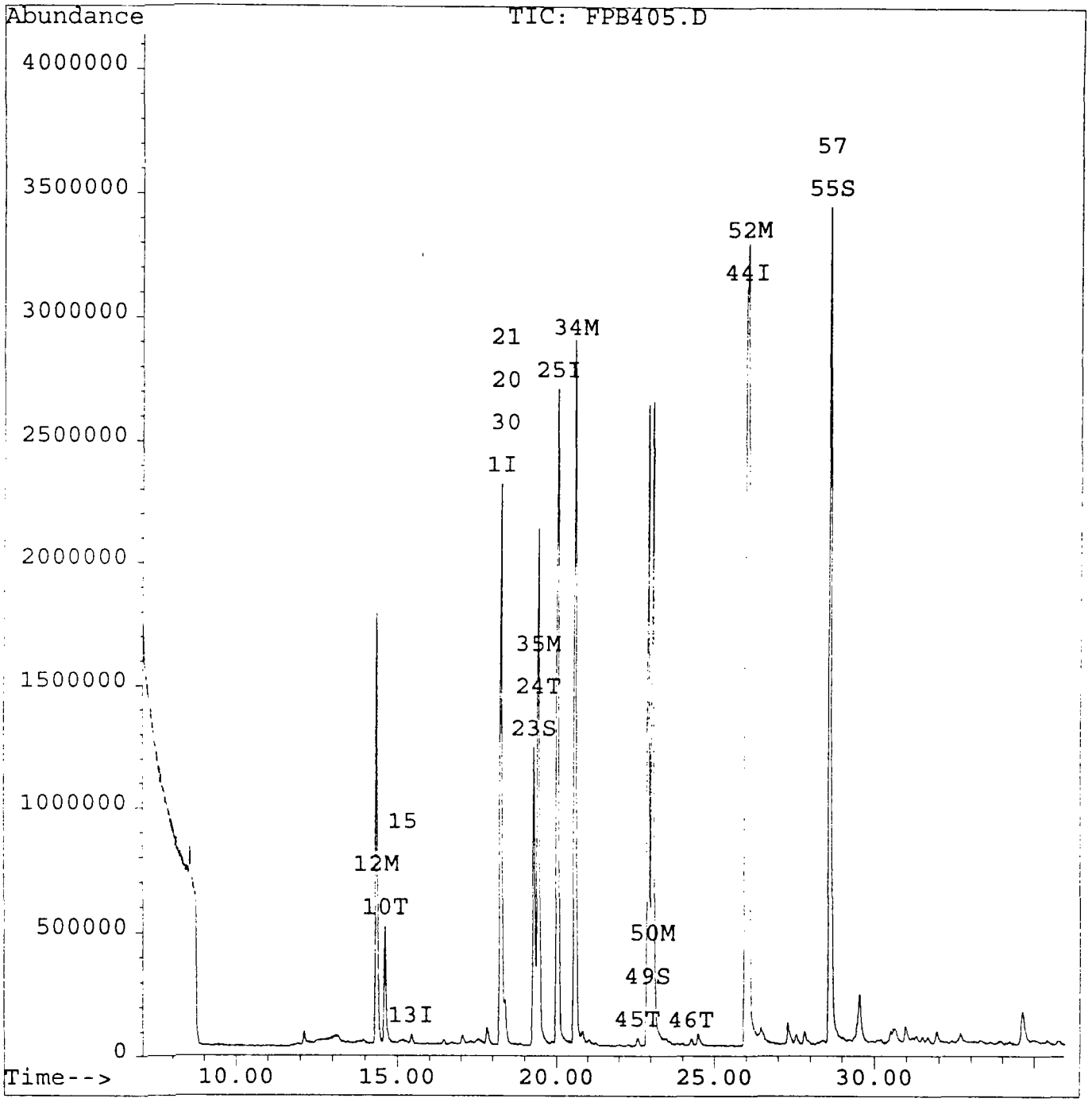
12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPB405.D
Acq On : 5 Apr 95 10:08 am
Sample : 95GVF083-MB1S FNA405
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+10UL211
Quant Time: Apr 5 10:44 1995

Vial: 6
Operator:
Inst : inst #6
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPB405.D Vial: 6
Acq On : 5 Apr 95 10:08 am Operator:
Sample : 95GVF083-MB1S FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5MLOFW+5ULIS,SS+10UL211 Multiplr: 1.00
Quant Time: Apr 5 10:44 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.25	128	1452134 ✓	50.00	ug/l		-0.12
25) 1,4-Difluorobenzene	20.03	114	5439215 ✓	50.00	ug/l		-0.11
44) Chlorobenzene-d5	25.98	117	4581788 ✓	50.00	ug/l		-0.09
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.29	65	1966437	58.00	ug/l		116.00% ✓
49) Toluene-d8	22.92	98	4807290	47.13	ug/l		94.27% ✓
55) Bromofluorobenzene	28.62	95	4145143	48.87	ug/l		97.74% ✓
Target Compounds							Qvalue
10) Acetone pos. c.o.	14.63	43	1418584	232.89	ug/l		96
12) 1,1-Dichloroethene	14.37	96	1782631	55.95	ug/l	✓	97
13) Methylene Chloride	15.44	84	44948	0.97	ug/l		87
15) Acetonitrile	15.20	41	7834	0.84	ug/l	#	20
20) Methacrylonitrile	18.39	41	108776	12.45	ug/l	#	32
21) 2-Butanone	18.39	43	42541	6.12	ug/l	#	1
24) 1,2-Dichloroethane	19.41	62	28112	0.66	ug/l	#	41
30) Isobutanol	18.39	43	24036	55.04	ug/l	#	24
34) Trichloroethene	20.59	130	2514318	50.32	ug/l	✓	98
35) Benzene	19.42	78	4886530	50.81	ug/l	✓	100
45) 4-Methyl-2-Pentanone	22.59	43	68352	3.92	ug/l		98
46) 2-Hexanone	24.28	43	53949	4.89	ug/l	#	83
50) Toluene	23.06	92	3271162	47.18	ug/l	✓	93
52) Chlorobenzene	26.05	112	4294943	46.96	ug/l	✓	99
57) 1,2,3-Trichloropropane	28.62	75	1811314	37.08	ug/l	#	51

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF083-MB1 BSD

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

Lab File ID: FPC405

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0

Date Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF083-MB1 BSD

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

Lab File ID: FPC405

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0

Date Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

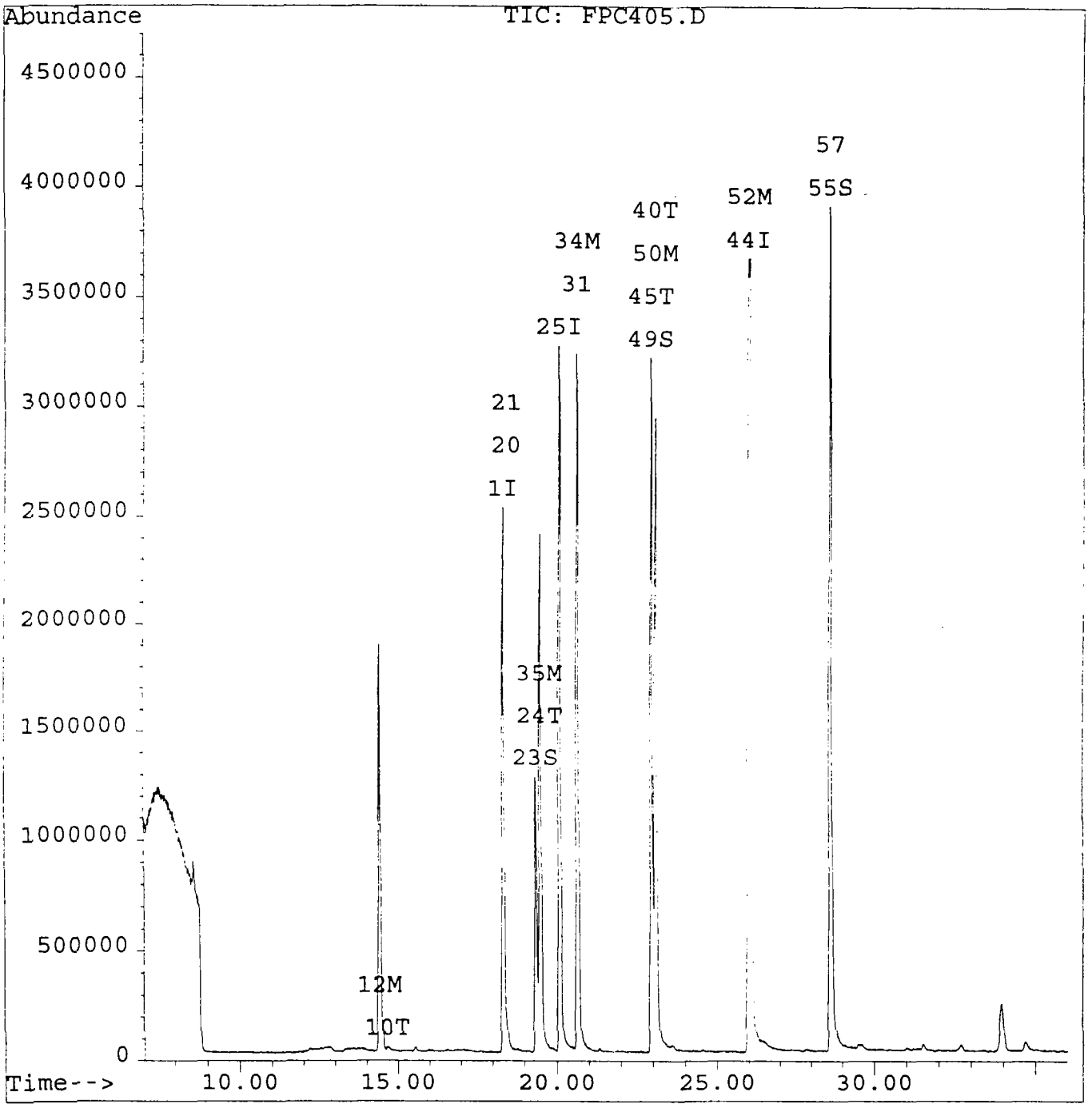
FORM 1 V-2

12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPC405.D Vial: 7
Acq On : 5 Apr 95 8:06 pm Operator:
Sample : 95GVF083-MB1T FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 5 20:43 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0595\FPC405.D Vial: 7
Acq On : 5 Apr 95 8:06 pm Operator:
Sample : 95GVF083-MB1T FNA405 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 5 20:43 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 08:46:08 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.35	128	1624353	50.00	ug/l		-0.02
25) 1,4-Difluorobenzene	20.11	114	6709293	50.00	ug/l		-0.03
44) Chlorobenzene-d5	26.01	117	5433484	50.00	ug/l		-0.06
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.37	65	2077810	54.79	ug/l		109.57%
49) Toluene-d8	22.97	98	5877768	48.60	ug/l		97.19%
55) Bromofluorobenzene	28.64	95	4763563	47.36	ug/l		94.72%
Target Compounds							Qvalue
10) Acetone	14.68	43	33761	4.95	ug/l		95
12) 1,1-Dichloroethene	14.44	96	2026401	56.85	ug/l		96
20) Methacrylonitrile	18.46	41	16091	1.65	ug/l	#	55
21) 2-Butanone	18.46	43	7063	0.91	ug/l	#	1
24) 1,2-Dichloroethane	19.50	62	35604	0.75	ug/l	#	41
31) Crotononitrile	20.65	67	5649	3.08	ug/l	#	1
34) Trichloroethene	20.66	130	2798725	45.41	ug/l		98
35) Benzene	19.51	78	5521150	46.54	ug/l		100
40) trans-1,3-Dichloropropene	23.11	75	36411	0.61	ug/l	#	1
45) 4-Methyl-2-Pentanone	22.97	43	10465	0.51	ug/l	#	1
50) Toluene	23.10	92	3634001	44.20	ug/l		95
52) Chlorobenzene	26.07	112	4637662	42.76	ug/l		99
57) 1,2,3-Trichloropropane	28.64	75	2107759	36.39	ug/l	#	51

(#) = qualifier out of range (m) = manual integration
FPC405.D 8240S6.M Wed Apr 05 20:43:29 1995

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1 BS

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

Lab File ID: FPB410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1 BS

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

Lab File ID: FPB410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

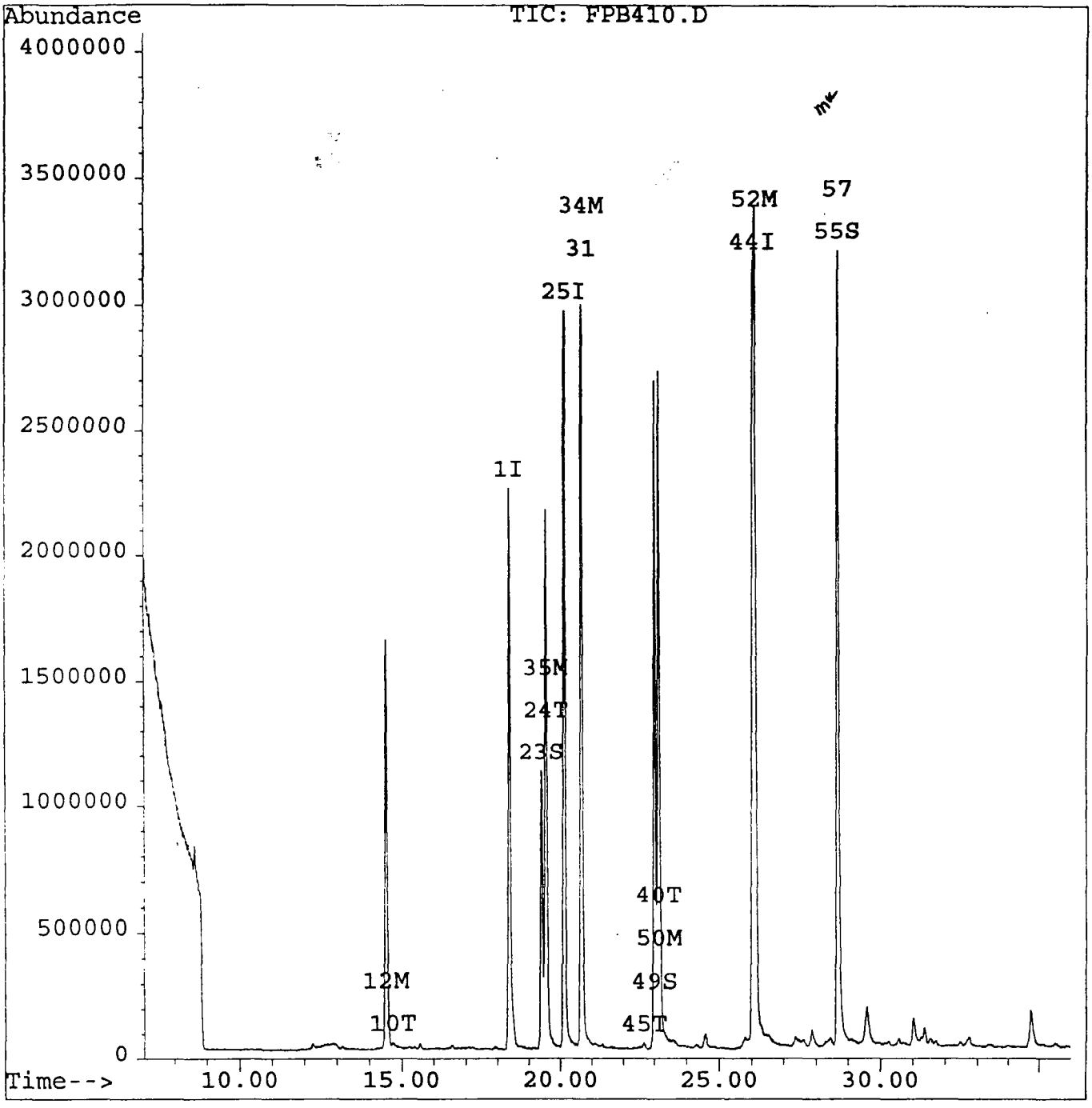
FORM 1 V-2

12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPB410.D Vial: 9
Acq On : 10 Apr 95 11:02 am Operator:
Sample : 95GVF087-MB1S FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 11:39 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPB410.D Vial: 9
Acq On : 10 Apr 95 11:02 am Operator:
Sample : 95GVF087-MB1S FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 11:39 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

mk

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.36	128	1536608 ✓	50.00	ug/l		0.06
25) 1,4-Difluorobenzene	20.12	114	6084095 ✓	50.00	ug/l		0.04
44) Chlorobenzene-d5	26.05	117	4575166 ✓	50.00	ug/l		0.03
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.38	65	1829943	47.47	ug/l		94.93% ✓
49) Toluene-d8	23.00	98	4827919	48.41	ug/l		96.81% ✓
55) Bromofluorobenzene	28.67	95	3783033	51.32	ug/l		102.64% ✓
Target Compounds							Qvalue
10) Acetone	14.73	43	51159	4.30	ug/l		87
12) 1,1-Dichloroethene	14.51	96	1613085	48.04	ug/l	✓	96
24) 1,2-Dichloroethane	19.51	62	35349	0.75	ug/l	#	41
31) Crotononitrile	20.67	67	7974	2.13	ug/l	#	1
34) Trichloroethene	20.67	130	2568649	47.26	ug/l	✓	97
35) Benzene	19.52	78	5019749	48.36	ug/l	✓	100
40) trans-1,3-Dichloropropene	23.15	75	36010	0.60	ug/l	#	1
45) 4-Methyl-2-Pentanone	22.67	43	27659	0.76	ug/l		84
50) Toluene	23.14	92	3223506	48.17	ug/l	✓	98
52) Chlorobenzene	26.11	112	4327920	46.73	ug/l	✓	99
57) 1,2,3-Trichloropropane	28.67	75	1673726	25.71	ug/l	#	51

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1 BSD

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

Lab File ID: FPC410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

1B
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

VBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 01989-009-002-0

Client: Techalloy

Matrix: SOIL

Lab Sample ID: 95GVF087-MB1 BSD

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

Lab File ID: FPC410

Level: (low/med) LOW

Date Received: 04/10/95

% Moisture: not dec. 0

Date Analyzed: 04/10/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
107-02-8	Acrolein	500	U
107-13-1	Acrylonitrile	100	U
75-69-4	Trichlorofluoromethane	10	U
75-71-8	Dichlorodifluoromethane	20	U
75-05-8	Acetonitrile	100	U
74-88-4	Iodomethane	10	U
107-12-0	Propionitrile (Ethyl Cyanide)	50	U
107-05-1	3-Chloropropene	20	U
126-98-7	Methacrylonitrile	20	U
74-95-3	Dibromomethane	10	U
78-83-1	Isobutyl alcohol	2000	U
106-93-4	1,2-Dibromoethane	20	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
126-99-8	2-Chloro-1,3-Butadiene	100	U
80-62-6	Methylmethacrylate	20	U
97-63-2	Ethylmethacrylate	20	U
76-01-7	Pentachloroethane	20	U

S: SPIKE COMPOUND

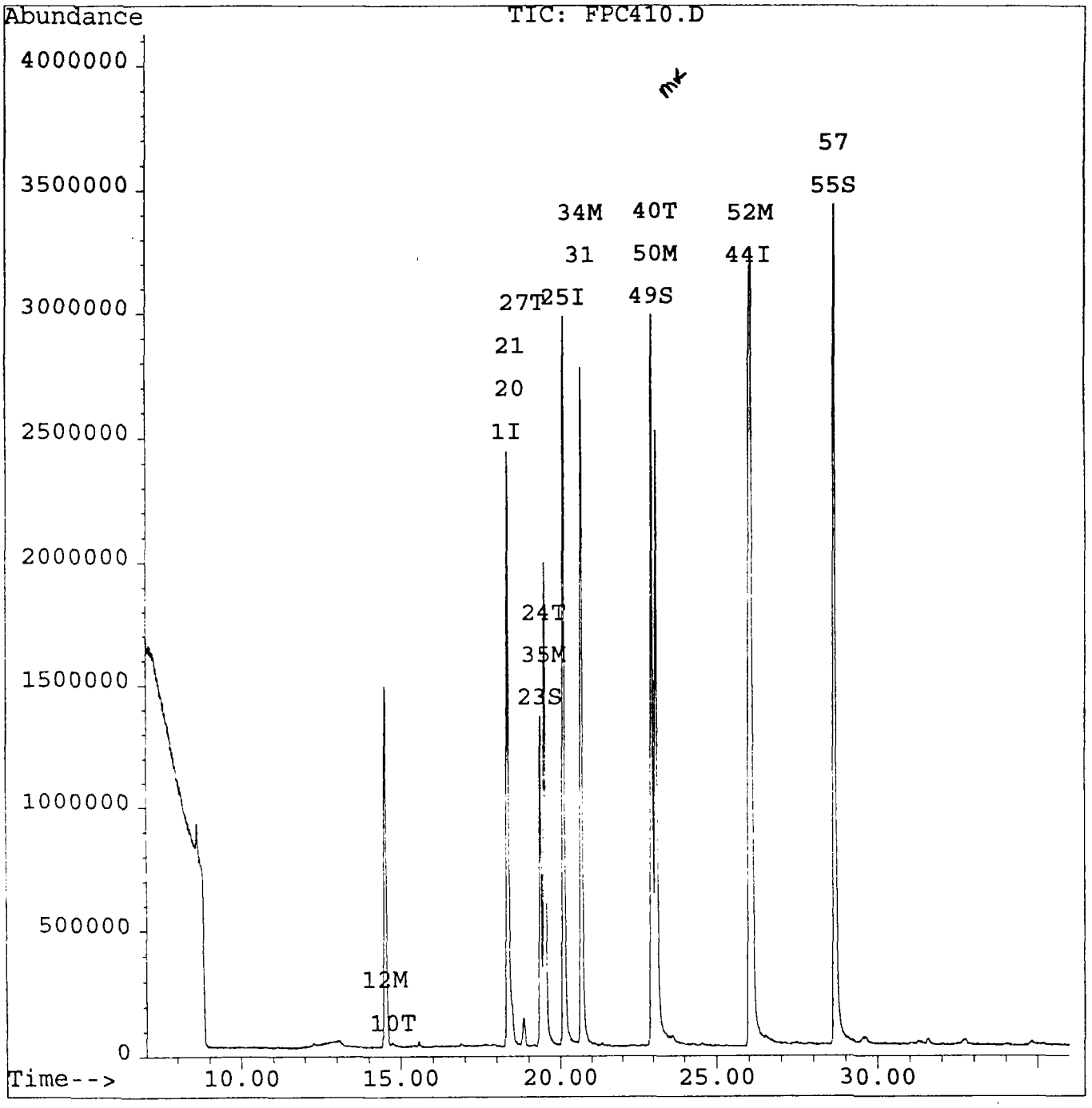
FORM 1 V-2

12/88 Rev.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPC410.D Vial: 8
Acq On : 10 Apr 95 7:58 pm Operator:
Sample : 95GVF087-MB1T FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 20:35 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1095\FPC410.D Vial: 8
Acq On : 10 Apr 95 7:58 pm Operator:
Sample : 95GVF087-MB1T FNA410 Inst : inst #6
Misc : GCL#6,DIL=1,5GSND+5ULIS,SS+5MLOFW+10UL21 Multiplr: 1.00
Quant Time: Apr 10 20:35 1995

Method : C:\HPCHEM\1\METHODS\8240S6.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Apr 10 08:59:29 1995
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	18.35	128	1673291	50.00	ug/l		0.04
25) 1,4-Difluorobenzene	20.12	114	6114492	50.00	ug/l		0.04
44) Chlorobenzene-d5	26.03	117	4721786	50.00	ug/l		0.01
System Monitoring Compounds							%Recovery
23) 1,2-Dichloroethane-d4	19.37	65	2216315	52.79	ug/l		105.58%
49) Toluene-d8	22.97	98	5327174	51.75	ug/l		103.51%
55) Bromofluorobenzene	28.66	95	4068509	53.48	ug/l		106.96%
Target Compounds							Qvalue
10) Acetone	14.76	43	39405	3.04	ug/l	#	47
12) 1,1-Dichloroethene	14.51	96	1480197	40.48	ug/l		95
20) Methacrylonitrile	18.46	41	75683	5.07	ug/l	#	41
21) 2-Butanone	18.46	43	28803	1.60	ug/l	#	1
24) 1,2-Dichloroethane	19.51	62	32438	0.63	ug/l	#	41
27) 1,1,1-Trichloroethane	18.82	97	199953	2.64	ug/l		99
31) Crotononitrile	20.67	67	14700	3.90	ug/l	#	1
34) Trichloroethene	20.67	130	2362077	43.25	ug/l		97
35) Benzene	19.51	78	4616267	44.25	ug/l		100
40) trans-1,3-Dichloropropene	23.11	75	32726	0.54	ug/l	#	1
50) Toluene	23.11	92	2968250	42.97	ug/l		99
52) Chlorobenzene	26.10	112	4076165	42.64	ug/l		100
57) 1,2,3-Trichloropropane	28.67	75	1781201	26.51	ug/l	#	51

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

WESTON

GC/MS VOLATILE ANALYSIS LOG

OP No. 21-21G-1621

INSTRUMENT ID # 2

ANALYSIS DATE TIME 4/8/95	FILE NAME	RFW NUMBER YYMM G XXX | XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	PREPARATION INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
1904	WIR03 1 JSD 4/8/95	9504G203 | 001 1 JSD		9	5ml							5ul 1S,5S	262	gb'Hoon
1941	WIR02	| 002		10	"	"							261	
2017	WHE38	9503G-951 | 008		11	100ul		50					+ 5ml OFW	274	
2053	WHE39	| 008		12	20 ul		250					"	260	
2130	ZC408	95GVB015 | MB1T		13	5ml OFW							+ 10 ul 211	270	
2208	WIQ06	9504G182 | 004		14	5ml smp								255	
2245	WHE40	9503G-95T | 012		16	250ml smp		20					+ 5ml OFW		
4/9/95 1310	YI409	Tune |		16	5ml OFW							2ul 252	830	KQ
1402	YA409	std |		1	"	"		255 296				2.5ul 257, 267, 269, 251 5ul 1S,5S 2ul 268	435	
1516	ZA409	95GVB076 | MB1		2	"	"						5ul 1S,5S	253	
1626	ZD409	↓ | MB1		2	"	"						↓	252	
1724	XB409	Tune |	TUNE		"	"						2ul 252	814	
1818	YB409	STD50++ |	STD	16	"	"		255 266	257 267			5ul 1S,5S + 2.5ul 257, 267, 269, 251 + 2ul 268	429	
1917	ZA409	95GVB076 | MB1	Blank	2	"	"							252	D

Analyst Signature/Date 4/09/95

Reviewed Signature/Date 4-5-95

WESTON

GC/MS VOLATILE ANALYSIS LOG

OP No. 21-21G-1621

INSTRUMENT ID # 2

ANALYSIS DATE TIME	FILE NAME	RFW NUMBER YYMM G XXX | XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	PREPARATION INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
2009	ZB409	95GVB076 | MB1S	Spk. Blk. Dup	3	5ml OFW			255 266		211		5ul IS, SS + 10ul 211	267	
2109	WHE46	950369S1 | 013		5	50ul smp		100						272	
2139	WHE47	| 014		6	10ul smp		500						274	
2216	WHE48	| 016		7			500						272	
2253	WIV01	95036001 | 001		8	5ml smp								271	
2330	WIV02	| 001S		9						211		+10ul 211	287	
2007	WIV03	| 001T		10									288	
0041	WIV04	| 003		11									266	
123	WI405 (VOA vials)	| 005		12									267	
240	WIV06	| 007		13									288	
322	WIV07	| 009		14									328	
317	WIV08	| 011		16									340	
354	WIV09	| 013		1									282	
433	ZC409	95GVB076 | MB1T	Spk. Blk. Dup	2	5ml OFW							+10ul 211	274	

Analyst nature/Date 4/9/95

Reviewed by ignature/Date 4-10-95

WESTON

GC/MS VOLATILE ANALYSIS LOG

OP No. 21-21G-1621

INSTRUMENT ID # 2

ANALYSIS DATE TIME 4/11/95	FILE NAME	RFW NUMBER YYMM G XXX | XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	PREPARATION INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
0357	W1X15	9503G050 | 005		7	5ml smp			255 266			✓	Spl 15,55	234	MOR
0436	W1X12	| 001		8							✓		685	
0514 ~~0552~~	W1X13	| 003		9							✓		776	
0551	Z6410	950VB078 | MBIT	Spk. Blnk. Dup.	10	5ml OFW					211		+10µl 211	313	
0712	XA411	BFBTune |	Tune	11	5ml OFW							2µl 252	1208	MS
0808	YA411	STD50+++	STD	12				255 266	257 267			Spl 15,55 +2.5µl 257 267 269 251 279 + 2µl 268	466	
0931	ZA411	95GVB079 | MB1	Blank	14									296	
1036	ZB411	| mss	Spike	16						211		+10µl MS	302	
1138	WIZ11	9504G122 | 005		1	5ml smp								283	AAH JMP
1222	WIZ10	| 003		2									276	
1305	WIV19	9503G001 | 015		3									271	
1349	WIV20	| 011		4	1ml smp		5					+4ml OFW	294	
1433	WJC01	9504G142 | 001		5	5ml smp								269	
1517	WIZ09	9504G122 | 001		6	50ul smp		100					+5ml OFW	296	AAH

Analyst Signature/Date AAHuff 4/11/95

Reviewed Signature/Date MORiley 4/11/95

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WESTON

GC/MS VOLATILE ANALYSIS LOG

OP No. 21-21G-1621

INSTRUMENT ID # 2

ANALYSIS DATE TIME 4/11/95	FILE NAME	RFW NUMBER YYMM G XXX / XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	PREPARATION INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
1559	WIZ03	9504G122 / 001S		7	5ml smp		100	266 255		211		5ul 1S,5S +5ml OFW +10ul 211	482	
1642	WIZ02	/ 001T		8			100			211			561	
1724	WJA04	95046210 / 001		9	5ml smp						✓		6	
NA	WJA05	/ 002		10							✓		NA	
	WJA06	/ 003		11							✓			
	ZC411	95GVB079 / MBT		12	5ml OFW					211		+10ul 211		
2027	XB411	BFB Tune	Tune	13								2µl 252	876	
2059	XC411		Tune	13									787	
2139	YB411	Std50+	Std	14				255 266				+2µl 268 5µl 1S,5S + 7.5µl 257,267,269,251	408	
2247	ZD411	95GVB080 / MBI	Blank	16									269	
2352	ZH411	/ MBI	Blank	13									279	
0131	WIZ14	95046122 / 003		2 RB	5mls								275	
0215	WIV22	95046001 / 015		3 3A	↓								275	
0304	WIV21	/ 011		4 4S RS	500ml SMP		10						284	

Analyst Signature/Date [signature] 4/11/95

Reviewed by Signature/Date [signature] 4/12/95

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0043	ZE411	956VB080	MB15		2	5mls OFW			255 266				5ul IS, SS	291	
0350	WJA05	9504G210	002		5	5mls SMP								348	
0436	WJA06		003		6	↓								499	
0522	WIZ13	9504G122	00IT		7	50ul SMP		100						434	
0610	WJA07	9504G210	001		10	5ul SMP		1						297	
0738	WIZ12	9504G122	001		8	500ul SMP		10						247	
0820	ZF411	956VB080	MBIT		11	5mls OFW								291	
0655	ZG411	Position Blank		#9	9	↓			↓				↓	286	
0910	XA412	BFBTUNE		TUNE	13	5ml OFW							+ 2ul BFB 252	838	
1006	YA412	STD50++		STD	14				255 266	257			5ul IS, SS + 2.5ul 258 261 263 269 + 2ul 268	428	
1121	ZA412	956VB081	MB1	Blank	16									282	
11:19 AM 1224	12 April 1995 ZB412	[illegible]	MB1S	Time check Spike Blank	1						278		+ 10ul 278	309	
1323	ZD412	956VB081	480		2	250ul SMP		20					+ 4.75 ml OFW	278	
1408	WJM01	9504G160	003		3			20						266	

Analyst signature/Date [signature] 4/12/95

Reviewed signature/Date MC 4-12-95

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GC/MS VOLATILE ANALYSIS LOG

OP No. 21-21G-1622
Rev. 01; Eff. Date 03/09/95

INSTRUMENT ID # 6

ANALYSIS DATE TIME	FILE NAME	RFW NUMBER YYMM & XXX	XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
2158	PC404	95GVF082	MB1T	Spike	14	5ml DPW			243 255		211		5ul IS,SS + 10ul MS	NA	
0727	NA405	BFBTUNE		TUNE	1								+2ul BFB 252		
0800	OA405	STD50++		STD	3				243 255	256 257			5ul IS,SS +2.5ul 256 257 207 251 + 2ul 247		
0858	PA405	95GVF083	MB1	Blank	5	5g sand							5ul IS,SS + 5ml DFW		
1008	PB405		MB1T	Spike Blank	6						211		+10ul 211		
1112	WIC02	9504G077	001		12	5g smp									
1207	WHW13	9503L339	005		13										
1256	WHW14		006		14										
1340	WHW15		007		15										
1427	WHX16	9503L347	012		16										
1519	WHW12	9503L339	008		1	0.5g smp		10							
1617	WIB05	95036047	002		3	5g smp									
No Data	WHV01	95036001	021		4										
↓	WHV02		022		5										

Analyst Signature/Date [signature] 4/5/95

Reviewed by Signature/Date [signature] 11/19/95

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ANALYSIS DATE TIME 4/5/95	FILE NAME	RFW NUMBER YYMM G XXX	XXX	SAMPLE ID	SPARG NO.	PREPARATION SAMPLE WT/VOL	INJ. VOL. (ul)	INST DIL.	INT. STD #	STD #	MS STD #	pH <2	COMMENTS	SECTORS	ANALYST INITIAL
1920	WHV03	9503G001	017		6	5g smp			243 255				5ul IS,SS + 5ml OFW	NA	[illegible]
2006	PC405	95GVF083	MBIT	Spk. Blk. Dup	7	5g sand					211		+ 10ul 211		
1:32:20 4/6/95 1929	6 April 1995 NA406	Carolina Thompson Tune		Same check	7	5ml's OFW							2ul 252		[illegible]
3:26:58 1959	6 April 1995 OA406	Carolina Thompson STD50		Same check	8				259 258				274 → 2.5ul 5ul IS,SS		
2148	OB406	20			12								5ul IS + 2ul SS + 1ul 274		
2239	OC406	100			13								+ 10ul + 5ul		
2331	OD406	150			14								+ 15ul + 7.5ul		
0026	OE406	200			15								+ 20ul + 10ul		
0952	NA407	BFB Tune		Tune	6	5ml OFW							2ul 252		[illegible]
1035	OA407	STD50		STD	7				258 289				5ul IS,SS + 2.5ul 274		
11:30:23 1147	7 April 1995 PA407	Carolina Thompson 95GVF084	MBI	Same check Blank	7										
1254	PD407				6										
1353	PB407		MBIS	Blank Spike	10								+ 10ul 211		
1456	WIL01	9504G084	001		12	5g smp							+ 5ml OFW		

Comments/Review:

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0651	NA410	BFB Tune		Tune	3	5ml OFW							2uL 252	NA	[illegible]
0740					3										
0815	OA410	STD 50		STD	5				266 255				5ml IS, SS + 2.5ml 267 257 269 251 + 2ml 268		
0917	PA410	95GVF087	MB1	Blank	7	5g sand							5ul IS, SS + 5ml OFW		[illegible]
1010	PD410				7										
10.24.20 1102	10 April 1995 PB410	[illegible]	MB1S	Spike Blank	9						211		+ 10ul 211		
1201	WIV10	95036001	021		12	5g smp									
1242	WIV11		022		13										
1325	WIV12		017S		14						211		+ 10ul 211		
14 0205	WIV13		017T		15										
1446	WIV14		018		16										
3:52:59 1526	10 April 1995 WIV15	[illegible]	019		1										
1632	WIV16		020		3										
1713	WHZ32	95036053	017		4										

fake injection ~1607

MAL 4/10/95

MAL 4/10/95

MAL [illegible] 4/10/95

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1754	WHZ33	9503G053	018		5	5g smp			266 255				5ul IS, SS + 5ml OFW	NA	[illegible]
1835	WHZ35		002		6										
1916	WHZ36		004		7										
1958	PC410	95GVF087	MB1T	Spk. Blk Dup	8	5g sand					211		+10ul 211		
2045	NB410	BFB Tue		Tue	5	5ml ow							+ 2ul Bldg 252 ~~211~~ mcm 4-11-95		IC
2114	OB410	STD50		Std	6				258 259				5ul IS, SS + 2.5ul 274		
2221	PE410	95GVF088	MB1	Blk	7										
2335	PE410		MB1		7										
0128	WIM13	9508032	001		8	5g smp							+5ml ow		
0219	WIM14		0015		12										
0310	WIM15		0015		13										
0401	WIM16		002		14	25ul 1/100 ml		20,000							
0452	WIM17		003		15	10ul 1/100 ml		50,000							
0542	WIT04	9504H64	001		16	5g s[illegible]									

[illegible] 4/11/95 MCM 4-11-95