CONTRACT EVIDENCE AUDIT TEAM
(CEAT-TechLaw)

EVIDENCE AUDIT COMPLETION FORM

Audited By: José G. Quintana

Date Audited: 06/15/92

EPA Lab Code: BET2PA

Case Number

RAS	SAS
16897	

SDG/Task Number(s)

MGJ001

Site Region: 7

Site Name: CEDAR FALLS FMGP, IA.

Reviewed By: Shari Denton

Date Reviewed: 6-29-92

55

30216192

Superfund

04-00

Revised 05/01/92

16897-7-0001

Case No. 16897 / SDG# MGJ001

Region No. ~~IIV~~ VII

BETZ LABORATORIES-TREVOSE
DOCUMENT INVENTORY

Document No.	Document Description	#Pages
16897-7-0001	Case File Document Inventory Sheet	1
16897-7-0002	Chain of Custody Record(s)	32
16897-7-0003	Airbills	1
16897-7-0004	Inorganic Traffic Reports	2
16897-7-0005	Standard Prep Logbook Pages	2
16897-7-0006	Type II Water Logbook Pages	1
16897-7-0007	Sample Tracking Documents	1
16897-7-0008	pH Check	1
16897-7-0009	Furnace Digestion & Distillation Records	2
16897-7-0010	Plasma Digestion & Distillation Records	2
16897-7-0011	Hg Digestion & Distillation Records	2
16897-7-0012	CN Digestion & Distillation Records	2
16897-7-0013	ICP Instrument Raw Data	128
16897-7-0014	AA Instrument Raw Data	152
16897-7-0015	Hg Instrument Raw Data	9
16897-7-0016	CN Worksheets	2
16897-7-0017	Total Solids Worksheets	2
16897-7-0018	Sample Data Package	407
16897-7-0019	CCS & Responses	43
16897-7-0020	Correspondence & Telephone Forms	36
16897-7-0021	Data Entry Logs and Screening Sheets	50
16897-7-0022	Master Control Log	1

16897-7-0001

Case No. 16897 / SDG# MGJ001

Region No. ~~IV~~ VII

BETZ LABORATORIES-TREVOSE
DOCUMENT INVENTORY

Document No.	Document Description	#Pages
16897-7-0001	Case File Document Inventory Sheet	1
16897-7-0002	Chain of Custody Record(s)	32
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16897-7-0005	Standard Prep Logbook Pages	2
16897-7-0006	Type II Water Logbook Pages	1
16897-7-0007	Sample Tracking Documents	1
16897-7-0008	pH Check	1
16897-7-0009	Furnace Digestion & Distillation Records	2
16897-7-0010	Plasma Digestion & Distillation Records	2
16897-7-0011	Hg Digestion & Distillation Records	2
16897-7-0012	CN Digestion & Distillation Records	2
16897-7-0013	ICP Instrument Raw Data	128
16897-7-0014	AA Instrument Raw Data	152
16897-7-0015	Hg Instrument Raw Data	9
16897-7-0016	CN Worksheets	2
16897-7-0017	Total Solids Worksheets	2
16897-7-0018	Sample Data Package	407
16897-7-0019	CCS & Responses	43
16897-7-0020	Correspondence & Telephone Forms	36
16897-7-0021	Data Entry Logs and Screening Sheets	50
16897-7-0022	Master Control Log	1

16897-4-0008

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report
(For Inorganic CLP Analysis)

SAS No. (if applicable): 6 6 6
Case No.: 16897

1. Sample Description (Enter In Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

Double volume required for spike/duplicate analysis sample.

Ship medium and high concentration samples in paint cans.

See reverse for additional standard instructions.

2. Region No.: 03
Sampling Co.:
Sampler (Name): Bill Lister
Sampler Signature:

3. Type of Activity
ENF ☐ ER ☐ LSI ☐ NPLD ☐
PA ☐ RA ☐ RD ☒ STSI ☐
O&M ☐ RIFS ☐ SSI ☐ ST ☐ STPA ☐ Other ☐

4. Date Shipped: 7/31/91
Carrier: FED EX
Airbill Number: 6057920771
5. Ship To: Bethlehem PA

6. Preservative (Enter In Column D)
1. HNO_3
2. NaOH
3. HCl
4. H_2SO_4
5. Ice only
6. Other (SAS) (Specify)
N. Not preserved

7. Date Received -- Received by: 08/01/91 E. Byrd
Laboratory Contract Number:
Unit Price:
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/ Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MIS Liq.	Non Water - Mis Liq.
[illegible]	2	L	G		X		X					D[illegible] 103	[illegible]	7/30/91 [illegible]						
↓	↓	↓	↓		↓		↓					104	[illegible]	7/30/91 [illegible]						
↓	↓	↓	↓		↓		↓					↓ 106	[illegible]	7/30/91 [illegible]						
↓ DM	↓	↓	↓		↓		↓					D[illegible]	PE - [illegible]	(T. Metals-944) P +	Cyanid					

Shipment for Case complete? (Y/N): Y

TR

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	7/31/91 [illegible]	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		E. Lee Byrd	08/01/91 11:15		

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 11-90) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for Return to SMO Yellow - Lab Copy

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EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report

(For Inorganic CLP Analysis)

SAS No. (if applicable): [illegible]

Case No.: 16377

1. Sample Description (Enter In Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

Double volume required for spike/duplicate analysis sample.

Ship medium and high concentration samples in paint cans.

See reverse for additional standard instructions.

2. Region No.: 07
Sampling Co.:
Sampler (Name): [illegible]
Sampler Signature: [illegible]

3. Type of Activity
ENF ☐ ER ☐ LSI ☐ NPLD ☐
PA ☐ RA ☐ RD ☒ STSI ☐
O&M ☐ RIFS ☐ SSI ☐ ST ☐ STPA ☐ Other ☐

4. Date Shipped: 7/31/91
Carrier: [illegible]
Airbill Number: 016 793 0771

5. Ship To: PETRA

6. Preservative (Enter In Column D)
1. HNO_3
2. NaOH
3. HCl
4. H_2SO_4
5. Ice only
6. Other (SAS) (Specify)
N. Not preserved

7. Date Received -- Received by: 08/01/91 Elsie Boyd
Laboratory Contract Number:
Unit Price:
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	High Conc. Phases (Check below): Solids	Water – MIS Liq.	Non Water – Mis Liq.
[illegible]	5	L	[illegible]	5	)		Y					13472 001	15	7/30/91 9:3[illegible]	BA					
002*												002*	[illegible]	9:[illegible]						
003												003	35	11:05						
[illegible]												004	35	11:4[illegible]						
[illegible]												005	4[illegible]	[illegible]						
[illegible]												006	4[illegible]	12[illegible]						
007												007	25	15[illegible]						
[illegible]												[illegible]	25	1[illegible]						
[illegible]												009	25 D	1[illegible]						
[illegible]												101	background	16[illegible]						

Shipment for Case complete? (Y/N): N

MATDB2) Decontaminated lab. QC sample [illegible]

TR

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	7/31/91 [illegible]	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Elsie Boyd	Date / Time 08/01/91 11:15	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)
☐ Declined

EPA Form 9110-1 (Rev. 11-90) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for Return to SMO Yellow - Lab Copy

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BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt

08/01/91 RR
Soils

	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID PBS6568GF1	Betz ID LCSS6568GF1	Betz ID MGT001F1
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB
	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB
For Checkout	OUT 08/05/91 0430 EB AK	OUT 08/05/91 0430 EB AK	OUT 08/05/91 0430 EB AK
	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK
	OUT 080591 1900 GV	OUT 080591 1900 GV	OUT 080591 1900 GV
	IN 080591 2000 GV	IN 080591 2000 GV	IN 080591 2000 GV
	OUT 08/06/91 1130 EB AK	OUT 08/06/91 1130 EB AK	OUT 08/06/91 1130 EB AK
	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage	Date To Storage:	Date To Storage:	Date To:
Storage:			
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	**CASE** 16897	**CASE** 16897	**CASE** 16897
	SDG 6568G	**SDG** 6568G	**SDG** 6568G
	Betz ID MGJ002 FI	**Betz ID** MGJ002D FI	**Betz ID** MGJ002S FI
	Date In 08/01/91	**Date In** 08/01/91	**Date In** 08/01/91
08/01/91 RR	**Sign** Rifat Rehman	**Sign** Rifat Rehman	**Sign** Rifat Rehman
Soil			
	OUT 08/02/91 0930 EB	**OUT** 08/02/91 0930 EB	**OUT** 08/02/91 0930 EB
	IN 08/02/91 1400 EB	**IN** 08/02/91 1400 EB	**IN** 08/02/91 1400 EB
For Checkout	**OUT** 08/05/91 0830 EB AK	**OUT** 08/05/91 0830 EB AK	**OUT** 08/05/91 0830 EB AK
	IN 08/05/91 1030 EB AK	**IN** 08/05/91 1030 EB AK	**IN** 08/05/91 1030 EB AK
	OUT 080591 1900 GV	**OUT** 080591 1900 GV	**OUT** 080591 1900 GV
	IN 080591 2000 GV	**IN** 080591 2000 GV	**IN** 080591 2000 GV
	OUT 08/06/91 1130 EB AK	**OUT** 08/06/91 1130 EB AK	**OUT** 08/06/91 1130 EB AK
	IN 08/06/91 1430 EB AK	**IN** 08/06/91 1430 EB AK	**IN** 08/06/91 1430 EB AK
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
For Storage Storage:	**Date To Storage:**	**Date To Storage:**	**Date To:**
	Signature:	**Signature:**	**Signature:**

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ003F1	Betz ID MGJ004F1	Betz ID MGJ005F1
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
08/01/91 RR	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
Soil			
	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB
	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB
For Checkout	OUT 08/05/91 0830 EB AK	OUT 08/05/91 0830 EB AK	OUT 08/05/91 0830 EB AK
	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK
	OUT 080591 1900 GV	OUT 080591 1900 GV	OUT 080591 1900 GV
	IN 080591 2000 GV	IN 080591 2000 GV	IN 080591 2000 GV
	OUT 08/06/91 0800 EB AK	OUT 08/06/91 0800 EB AK	OUT 08/06/91 0800 EB AK
	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK
	OUT	OUT	OUT 08/07/91 1400 EB AK
	IN	IN	IN 08/07/91 1430 EB AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ 006 F1	Betz ID MGJ 007 F1	Betz ID MGJ 008 F1
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
08/01/91 RR	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
Soil			
	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB	OUT 08/02/91 0930 EB
	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB	IN 08/02/91 1400 EB
For Checkout	OUT 08/05/91 0830 EB AK	OUT 08/05/91 0830 EB AK	OUT 08/05/91 0830 EB AK
	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK	IN 08/05/91 1030 EB AK
	OUT 080591 1900 GV	OUT 080591 1900 GV	OUT 080591 1900 GV
	IN 080591 2000 GV	IN 080591 2000 GV	IN 080591 2000 GV
	OUT 08/06/91 0400 EB AK	OUT 08/06/91 0400 EB AK	OUT 08/06/91 0400 EB AK
	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK	IN 08/06/91 1430 EB AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage	Date To Storage:	Date To Storage:	Date To:
Storage:			
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt			
08/01/91 RR Soil	CASE 16897	CASE 16897	CASE
	SDG 6568G	SDG 6568G	SDG
	Betz ID MGJ009F1	Betz ID MGJ010F1	Betz ID
	Date In 08/01/91	Date In 08/01/91	Date In
	Sign Rifat Rehman	Sign Rifat Rehman	Sign
	OUT 08/02/910930 EB	OUT 08/02/910930 EB	OUT
	IN 08/02/911400 EB	IN 08/03/911400 EB	IN
For Checkout	OUT 08/05/910830 EB AK	OUT 08/05/910830 EB AK	OUT
	IN 08/05/911030 EB AK	IN 08/05/911030 EB AK	IN
	OUT 080591 1900 GV	OUT 080591 1900 GV	OUT
	IN 080591 2000 GV	IN 080591 2000 GV	IN
	OUT 08/06/910800 EB AK	OUT 08/06/910800 EB AK	OUT
	IN 08/06/911430 EB AK	IN 08/06/911430 EB AK	IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
	OUT / IN	OUT / IN	OUT / IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/01/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ001	Betz ID MGJ002	Betz ID MGJ003
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign E Bayol	Sign E Bayol	Sign E Bayol
	OUT 08/01/91 16:00RR SM	OUT 08/01/91 16:00RR SM	OUT 08/01/91 16:00RR SM
	IN 08/01/91 17:00RR SM	IN 08/01/91 17:00RR SM	IN 08/01/91 17:00RR SM
For Checkout	OUT 08/02/91 0715 EB AK	OUT 08/02/91 0715 EB AK	OUT 08/02/91 1030 EB AK
	IN 08/02/91 0730 EB AK	IN 08/02/91 0730 EB AK	IN 08/02/91 1050 EB AK
	OUT 08/05/91 1130 AK	OUT 08/05/91 1130 AK	OUT 08/05/91 1130 AK
	IN 08/05/91 1330 AK	IN 08/05/91 1330 AK	IN 08/05/91 1330 AK
	OUT 08/05/91 1340 RR SM	OUT 08/05/91 13:40 RR SM	OUT 08/05/91 13:40 RR SM
	IN 08/05/91 15:00 RR SM	IN 08/05/91 15:00 RR SM	IN 08/05/91 15:00 RR SM
	OUT 08/06/91 830 KG AK	OUT 08/06/91 830 KG AK	OUT 08/06/91 830 KG AK
	IN 08/06/91 900 KG AK	IN 08/06/91 900 KG AK	IN 08/06/91 900 KG AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/01/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ004	Betz ID MGJ005	Betz ID MGJ006
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/01/91 16:00 RR SK	OUT 08/01/91 16:00 RR SK	OUT 08/01/91 16:00 RR SK
	IN 08/01/91 17:00 RR SK	IN 08/01/91 17:00 RR SK	IN 08/01/91 17:00 RR SK
For Checkout	OUT 08/02/91 1030 EB AK	OUT 08/02/91 1030 EB AK	OUT 08/02/91 1030 EB AK
	IN 08/02/91 1050 EB AK	IN 08/02/91 1050 EB AK	IN 08/02/91 1050 EB AK
	OUT 08/05/91 1130 AK	OUT 08/05/91 1130 AK	OUT 08/05/91 1130 AK
	IN 08/05/91 1330 AK	IN 08/05/91 1330 AK	IN 08/05/91 1330 AK
	OUT 08/05/91 13:40 RR SK	OUT 08/05/91 13:40 RR SK	OUT 08/05/91 13:40 RR SK
	IN 08/05/91 15:00 RR SK	IN 08/05/91 15:00 RR SK	IN 08/05/91 15:00 RR SK
	OUT 08/06/91 830 KK AK	OUT 08/06/91 830 KK AK	OUT 08/06/91 830 KK AK
	IN 08/06/91 900 KK AK	IN 08/06/91 900 KK AK	IN 08/06/91 900 KK AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt			
08/01/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ007	Betz ID MGJ008	Betz ID MGJ009
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign E Bryant	Sign E Bryant	Sign E Bryant
	OUT 08/01/91 16:00 RR SM	OUT 08/01/91 16:00 RR SM	OUT 08/01/91 16:00 RR SM
	IN 08/01/91 17:00 RR SM	IN 08/01/91 17:00 RR SM	IN 08/01/91 17:00 RR SM
For Checkout	OUT 08/02/91 1030 EB AK	OUT 08/02/91 1030 EB AK	OUT 08/05/91 1130 AK AK
	IN 08/02/91 1050 EB AK	IN 08/02/91 1050 EB AK	IN 08/05/91 1330 AK AK
	OUT 08/05/91 1130 AK	OUT 08/05/91 1130 AK	OUT 08/05/91 1330 EB AK
	IN 08/05/91 1330 AK	IN 08/05/91 1330 AK	IN 08/05/91 1345 EB AK
	OUT 08/05/91 13:40 RR SM	OUT 08/05/91 13:40 RR SM	OUT 08/05/91 13:40 RR SM
	IN 08/05/91 15:00 RR SM	IN 08/05/91 15:00 RR SM	IN 08/05/91 15:00 RR SM
	OUT 08/06/91 830 KG AK	OUT 08/06/91 830 KG AK	OUT 08/06/91 830 KG AK
	IN 08/06/91 900 KG AK	IN 08/06/91 900 KG AK	IN 08/06/91 900 KG AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/01/91	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ010	Betz ID MGJ011	Betz ID MGJ012
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign E Bryd	Sign E Bryd	Sign E Bryd
	OUT 08/01/91 16:00RR SM	OUT 08/05/91 0720 EB AIL	OUT 08/05/91 0720 EB AIL
	IN 08/01/91 17:00RR SM	IN 08/05/91 0745 EB AIL	IN 08/05/91 0745 EB AIL
For Checkout	OUT 08/05/91 1130 AIL	OUT 08/06/91 13:00 RR SM	OUT 08/06/91 13:00 RR SM
	IN 08/05/91 1330 AIL	IN 08/06/91 14:00 RR SM	IN 08/06/91 14:00 RR SM
	OUT 08/05/91 1330 EB AIL	OUT 08/09/91 10:00 KG AIL	OUT 08/09/91 1000 KG AIL
	IN 08/05/91 1345 EB AIL	IN 08/09/91 1030 KG AIL	IN 08/09/91 1030 KG AIL
	OUT 08/05/91 1345 RR SM	OUT	OUT
	IN 08/05/91 15:00 RR SM	IN	IN
	OUT 08/06/91 830 KG AIL	OUT	OUT
	IN 08/06/91 900 KG AIL	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/01/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ013	Betz ID MGJ014	Betz ID
	Date In 08/01/91	Date In 08/01/91	Date In 08/01/91
	Sign E Bryd	Sign E Bryd	Sign E Bryd
	OUT 08/05/91 0720 EB AK	OUT 08/05/91 0720 EB AK	OUT
	IN 08/05/91 0745 EB AK	IN 08/05/91 0745 EB AK	IN
For Checkout	OUT 08/06/91 13:00 RR AK	OUT 08/06/91 13:00 RR AK	OUT
	IN 08/06/91 14:00 RR AK	IN 08/06/91 14:00 RR AK	IN
	OUT ~~08/09/91 1000 KG~~ AK	OUT ~~08/09/91 1000 KG~~ AK	OUT
	IN ~~08/09/91 1030 KG~~ AK	IN ~~08/09/91 1030 KG~~ AK	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID PB6568GP1	Betz ID LCS6568GP1	Betz ID MGT001P1
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
08/05/91 RR Soils	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
	OUT 080591 1935GV	OUT 080591 1935GV	OUT 080591 1935GV
	IN 080591 2100GV	IN 080591 2100GV	IN 080591 2100GV
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ002P1	Betz ID MGJ002DP1	Betz ID MGJ002SP1
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
08/05/91 RR	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
Soils	OUT 080591 1935GV	OUT 080591 1935GV	OUT 080591 1935GV
	IN 080591 2100GV	IN 080591 2100GV	IN 080591 2100GV
For Checkout	OUT 080691 1730GV	OUT	OUT
	IN 080691 1800GV	IN	IN
	OUT 080791 1615GV	OUT	OUT
	IN 080791 1700GV	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ003P1	Betz ID MGJ004P1	Betz ID MGJ005P1
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
08/05/91 RR	Sign Rig at Rehman	Sign Rig at Rehman	Sign Rig at Rehman
Soils	OUT 080591 1935GV	OUT 080591 1935GV	OUT 080591 1935GV
	IN 080591 2100GV	IN 080591 2100GV	IN 080591 2100GV
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MG 006 P1	Betz ID MG 007 P1	Betz ID MG 008 P1
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
08/05/91 RR	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
Soils	OUT 080591 1935GV	OUT 080591 1935GV	OUT 080591 1935GV
	IN 080591 2100GV	IN 080591 2100GV	IN 080591 2100GV
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/05/91 RR Soils	CASE 16897 SDG 6568G Betz ID MGJ009P1 Date In 08/05/91 Sign Rifat Rehman	CASE 16897 SDG 6568G Betz ID MGJ010P1 Date In 08/05/91 Sign	CASE SDG Betz ID Date In Sign
	OUT 080591 1935GV IN 080591 2100GV	OUT 080591 1935GV IN 080591 2100GV	OUT IN
For Checkout	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/02/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ001	Betz ID MGJ002	Betz ID MGJ002D
	Date In 08/02/91	Date In 08/02/91	Date In 08/02/91
	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB
	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB
For Checkout	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/02/91 EB	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ0025	Betz ID LCSS-65686	Betz ID LCV-65686
	Date In 08/02/91	Date In 08/02/91	Date In 08/02/91
	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB
	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB
For Checkout	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID PBS165686	Betz ID PBS265686	Betz ID MGJ003
	Date In 08/02/91	Date In 08/02/91	Date In 08/02/91
08/02/91 EB	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB
	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB
For Checkout	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ004	Betz ID MGJ005	Betz ID MGJ006
	Date In 08/02/91	Date In 08/02/91	Date In 08/02/91
08/02/91 EB	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB	OUT 08/05/91 1300 EB
	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB	IN 08/05/91 1315 EB
For Checkout	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt 08/02/91 EB	CASE 16897 SDG 6568G Betz ID MGJ007 Date In 08/02/91 Sign E Boyd	CASE 16897 SDG 6568G Betz ID MGJ008 Date In 08/02/91 Sign E Boyd	CASE 16897 SDG 6568G Betz ID Date In 08/02/91 Sign E Boyd
	OUT 08/05/91 1300 EB IN 08/05/91 1315 EB	OUT 08/05/91 1300 EB IN 08/05/91 1315 EB	OUT 08/05/91 1300 EB IN
For Checkout	OUT 08/06/91 1600 EB IN 08/06/91 1420 EB	OUT 08/06/91 1600 EB IN 08/06/91 1420 EB	OUT IN
	OUT IN	OUT IN	OUT EB IN 08/05/91
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
	OUT IN	OUT IN	OUT IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID PBW165686	Betz ID MGJ011	Betz ID MAJ012
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
EB 08/05/91	Sign E Bryd	Sign E Bryd	Sign E Bryd
	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ013	Betz ID MGJ014	Betz ID MGJ011D
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
EB 08/05/91	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 65686	SDG 65686	SDG 65686
	Betz ID MGJ011S	Betz ID MGJ009	Betz ID MGJ010
	Date In 08/05/91	Date In 08/05/91	Date In 08/05/91
E B 08/05/91	Sign E Boyd	Sign E Boyd	Sign E Boyd
	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB	OUT 08/06/91 1000 EB
	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB	IN 08/06/91 1430 EB
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE	CASE
	SDG 65686	SDG	SDG
	Betz ID PBS365686	Betz ID	Betz ID
	Date In 08/05/91	Date In	Date In
08/05/91 EB	Sign E Bryant	Sign	Sign
	OUT 08/06/91 1006 EB	OUT	OUT
	IN 08/06/91 1430 EB	IN	IN
For Checkout	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID PBW6568GF	Betz ID LCSW6568GF	Betz ID MGJ011F1
	Date In 08/06/91	Date In 08/06/91	Date In 08/06/91
08/06/91 RR Waters	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
	OUT 080691 1945GV	OUT 080691 1945GV	OUT 080691 1945GV
	IN 080691 2200GV	IN 080691 2200GV	IN 080691 2200GV
For Checkout	OUT 08/07/91 0815 EB AIL	OUT 08/07/91 0815 EB AIL	OUT 08/07/91 0815 EB AIL
	IN 08/07/91 1400 EB AIL	IN 08/07/91 1400 EB AIL	IN 08/07/91 1400 EB AIL
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ011D F1	Betz ID MGJ011S F1	Betz ID MGJ012 F1
	Date In 08/06/91	Date In 08/06/91	Date In 08/06/91
08/06/91 RR Waters	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
	OUT 080691 1945GV	OUT 080691 1945GV	OUT 080691 1945GV
	IN 080691 2200GV	IN 080691 2200GV	IN 080691 2200GV
For Checkout	OUT 08/07/91 0815 EB AK	OUT 08/07/91 0815 EB AK	OUT 08/07/91 0815 EB AK
	IN 08/07/91 1400 EB AK	IN 08/07/91 1400 EB AK	IN 08/07/91 1400 EB AK
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE
	SDG 6568G	SDG 6568G	SDG
	Betz ID MGJ013 F1	Betz ID MGJ014 F1	Betz ID
	Date In 08/06/91	Date In 08/06/91	Date In
08/06/91 RR Water	Sign Rifat Rehman	Sign Rifat Rehman	Sign
	OUT 080691 1945 GV	OUT 080691 1945 GV	OUT
	IN 080691 2200 GV	IN 080691 2200 GV	IN
For Checkout	OUT 08/07/91 0815 EB AL	OUT 08/07/91 0815 EB AL	OUT
	IN 08/07/91 1400 EB AL	IN 08/07/91 1400 EB AL	IN
	OUT	OUT 08/08/91 0815 EB AL	OUT
	IN	IN 4/08/91 9:00 EB AL	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	**CASE** 16897	**CASE** 16897	**CASE** 16897
	SDG 6568G	**SDG** 6568G	**SDG** 6568G
	Betz ID P BW 6568G P1	**Betz ID** L CSW 6568G P1	**Betz ID** MG J011 P1
	Date In 08/06/91	**Date In** 08/06/91	**Date In** 08/06/91
08/06/91 RR	**Sign** Rifat Rehman	**Sign** Rifat Rehman	**Sign** Rifat Rehman
Water			
	OUT 080691 1830 GV	**OUT** 080691 1830 GV	**OUT** 080691 1830 GV
	IN 080691 2000 GV	**IN** 080691 2000 GV	**IN** 080691 2000 GV
For Checkout	**OUT** 080791 ~~1~~GW 1615 GV	**OUT** 080791 1615 GV	**OUT** 080791 1615 GV
	IN 080791 1700 GV	**IN** 080791 1700 GV	**IN** 080791 1700 GV
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
	OUT	**OUT**	**OUT**
	IN	**IN**	**IN**
For Storage	**Date To Storage:**	**Date To Storage:**	**Date To:**
Storage:			
	Signature:	**Signature:**	**Signature:**

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE 16897
	SDG 6568G	SDG 6568G	SDG 6568G
	Betz ID MGJ011D P1	Betz ID MGJ011S P1	Betz ID MGJ012 P1
	Date In 08/06/91	Date In 08/06/91	Date In 08/06/91
08/06/91 RR	Sign Rifat Rehman	Sign Rifat Rehman	Sign Rifat Rehman
Water	OUT 080691 1830GV	OUT 080691 1830GV	OUT 080691 1830GV
	IN 080691 2000GV	IN 080691 2000GV	IN 080691 2000GV
For Checkout	OUT 080791 1615GV	OUT 080791 1615GV	OUT 080791 1615GV
	IN 080791 1700GV	IN 080791 1700GV	IN 080791 1700GV
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

BETZ LABORATORIES - TREVOSE PA
SAMPLE DIGESTATE/DISTALLATE CUSTODY RECORD

Initial and Date on Receipt	CASE 16897	CASE 16897	CASE
	SDG 6568G	SDG 6568G	SDG
	Betz ID MGJ013P1	Betz ID MGJ014P1	Betz ID
	Date In 08/06/91	Date In 08/06/91	Date In
08/06/91 RR	Sign Rigat Rchman	Sign Rigat Rchman	Sign
Water	OUT 080691 1830 GV	OUT 080691 1830 GV	OUT
	IN 080691 2000 GV	IN 080691 2000 GV	IN
For Checkout	OUT 080791 1615 GV	OUT 080791 1615 GV	OUT
	IN 080791 1700 GV	IN 080791 1700 GV	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
	OUT	OUT	OUT
	IN	IN	IN
For Storage Storage:	Date To Storage:	Date To Storage:	Date To:
	Signature:	Signature:	Signature:

EPA

1. Sample Description (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Rinsate
   5. Soil/Sediment
   6. Oil (SAS)
   7. Waste (SAS)
   8. Other (SAS) (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 1

Shipment for Case complete? (Y/N) (N)

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL PACKAGE TRACKING NUMBER 0657920271

16897-7-0003

RECIPIENT'S COPY

From (Your Name) Please Print: NICOLE ROBLEC

Your Phone Number (Very Important): 913-236-3881

To (Recipient's Name) Please Print: Dave Kinnally

Company: U.S. ENVIRONMENTAL PROTECTION

Department/Floor No.

Recipient's Phone Number (Very Important): 717 825-3300

Street Address: 25 FUNSTON RD

Exact Street Address (We cannot deliver to P.O. Boxes or P.O. Zip codes.): Lucky Ave

City: KANSAS CITY State: KS ZIP Required: 66115

City: Duncansville State: PA ZIP Required: 16635

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.): 132

IF HOLD FOR PICK-UP, Print FEDEX Address Here: Street Address / City / State / ZIP Required

PAYMENT: 1 Bill Sender 2 Bill Recipient's FedEx Acct No. 3 Bill 3rd Party FedEx Acct No. 4 Bill Credit Card 5 Cash/Check

SERVICES (Check only one box): Priority Overnight (Delivery by next business morning); Standard Overnight (Delivery by next business afternoon); DELIVERY AND SPECIAL HANDLING (Check services required): 1 HOLD FOR PICK-UP (Fee in Box H); 2 DELIVER WEEKDAY; 3 DELIVER SATURDAY (Extra charge); 4 DANGEROUS GOODS (Extra charge); 5; 6 DRY ICE; 7 OTHER SPECIAL SERVICE; 8; 9 SATURDAY PICK-UP (Extra charge); 10; 11 DELIVERY (Extra charge); 12 HOLIDAY DELIVERY (If offered) (Extra charge)

PACKAGES: 1 | WEIGHT: 150 lbs. | Total: 150

DIM SHIPMENT (Chargeable Weight) lbs.

Received At: 1 Regular Stop 2 On-Call Stop 3 Drop Box 4 B.S.C. 5 Station

Date/Time: 7-31-91 1127

Emp. No.

Cash Received / Return Shipment / Third Party / Chg To Dec / Chg To Hold

Street Address / City / State / Zip / Other 1 / Other 2

Declared Value Charge / Base Charge / Total Charges

Received By: X

Date/Time Received / FedEx Employee Number

REVISION DATE 1/91 PART #13204 FXEM 4/91 FORM 3068

0681

© 1990-91 FED. EXP. PRINTED IN USA

Shipper's Signature

Date/Time / Emp. No.

Federal Express Use

Shipment for Case complete? (Y/N) (N)

PS1 93

MGT002 Designated lab. QC sample for the MISSM

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Nicole Roblec	7/31/91 4:00	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Elsie Byd	Date / Time 08/01/91 11:15	Remarks Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 11-90) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for Return to SMO Yellow - Lab Copy

Inorg-2

1. Inorganic Sample Collection Requirements

WATER SAMPLES	REQUIRED VOLUME	CONTAINER TYPE
METALS ANALYSIS (LOW LEVEL)	1 LITER	1 × 1-LITER POLYETHYLENE BOTTLE OR 2 × 500 ML. POLYETHYLENE BOTTLE
METALS ANALYSIS (MEDIUM LEVEL*)	16 OZ.	1 × 16-OZ. WIDE-MOUTH GLASS JAR
CYANIDE (CN^-) ANALYSIS (LOW LEVEL)	1 LITER	1 × 1-LITER POLYETHYLENE BOTTLE OR 2 × 500 ML POLYETHYLENE BOTTLE
CYANIDE (CN^-) ANALYSIS (MEDIUM LEVEL*)	16 OZ.	1 × 16-OZ. WIDE-MOUTH GLASS JAR

SOIL/SEDIMENT SAMPLES	REQUIRED VOLUME	CONTAINER TYPE
METALS AND CYANIDE (CN^-) ANALYSIS (LOW OR MEDIUM LEVEL*)	6 OZ.	1 × 8-OZ. WIDE-MOUTH GLASS JAR OR 2 × 4-OZ. WIDE-MOUTH GLASS JARS

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

LIQUID OR SOLID SAMPLES	REQUIRED VOLUME	CONTAINER TYPE
METALS AND CYANIDE* ANALYSIS	6 OZ.	1 × 8-OZ. WIDE-MOUTH GLASS JAR

*ALL MEDIUM AND HIGH LEVEL SAMPLES TO BE SEALED IN METAL CAN FOR SHIPMENT

1. Inorganic Sample Collection Requirements

- Aqueous samples require one double-volume sample per twenty per concentration for Matrix Spike and Duplicate.
- Preserve low-level water samples:
  - Total Metals — Preserve with HNO_3 to pH ≤ 2.
  - Dissolved Metals — Preserve with HNO_3 to pH ≤ 2. No further digestion required.
  - Cyanide — Preserve with 10 N NaOH to ph ≥ 12.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form. Press firmly with a ball-point to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report/Chain of Custody form within 5 days.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
  - Required Information:
    - Case (and/or SAS) Number
    - Date Shipped
    - Number of samples by concentration and matrix
    - Carrier and airbill number
    - Next planned shipment

  Leave your name and a number where you can be reached.
- Information for SATURDAY DELIVERIES must be phoned in by 3:00 p.m. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS:

  USEPA Contract Laboratory Program
  Sample Management Office
  P.O. Box 818
  Alexandria, VA 22313
  Phone: (703) 557-2490

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report
(For Inorganic CLP Analysis)

SAS No. (if applicable): 6756 G
Case No.: 16597

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

Double volume required for spike/duplicate analysis sample.

Ship medium and high concentration samples in paint cans.

See reverse for additional standard instructions.

2. Region No.: 03
Sampling Co.:
Sampler (Name): Bob Anton
Sampler Signature: Bob Anton
3. Type of Activity: ENF ☐ ER ☐ LSI ☐ NPLD ☐ PA ☐ RA ☐ RD ☒ STSI ☐ O&M ☐ RIFS ☐ SSI ☐ ST ☐ STPA ☐ Other ☐

4. Date Shipped: 7/31/91
Carrier: Fed Exp
Airbill Number: 0657920771
5. Ship To: Bedy PA

6. Preservative (Enter in Column D)
1. HNO_3
2. NaOH
3. HCl
4. H_2SO_4
5. Ice only
6. Other (SAS) (Specify)
N. Not preserved

7. Date Received -- Received by: 08/01/91 E Boyd
Laboratory Contract Number:
Unit Price:
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MIS Liq.	Non Water - Mis Liq.
MG5 D11	2	L	G		X		X					DX72-103	B1 W.H.3	7/30/91 1014						
D12												104	H 2	7/30/91 1130						
D13												1065	Rinsate	7/30/91 1545						
D14												DDX72-PE w/ice	PE-cap	(T. Metals-944	P +	Cyanide				

Shipment for Case complete? (Y/N): Y

Pg. 2 of 2

TR

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Nancy Lobe	7/31/91 4:00	Fed Exp			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		Elsie Boyd	08/01/91 11:15		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 11-90) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for Return to SMO Yellow - Lab Copy

Inorg-2

1. Inorganic Sample Collection Requirements

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CYANIDE (CN^-) ANALYSIS (LOW LEVEL)	1 LITER	1 × 1-LITER POLYETHYLENE BOTTLE OR 2 × 500 ML POLYETHYLENE BOTTLE
CYANIDE (CN^-) ANALYSIS (MEDIUM LEVEL*)	16 OZ.	1 × 16-OZ. WIDE-MOUTH GLASS JAR

SOIL/SEDIMENT SAMPLES	REQUIRED VOLUME	CONTAINER TYPE
METALS AND CYANIDE (CN^-) ANALYSIS (LOW OR MEDIUM LEVEL*)	6 OZ.	1 × 8-OZ. WIDE-MOUTH GLASS JAR OR 2 × 4-OZ. WIDE-MOUTH GLASS JARS

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

LIQUID OR SOLID SAMPLES	REQUIRED VOLUME	CONTAINER TYPE
METALS AND CYANIDE* ANALYSIS	6 OZ.	1 × 8-OZ. WIDE-MOUTH GLASS JAR

*ALL MEDIUM AND HIGH LEVEL SAMPLES TO BE SEALED IN METAL CAN FOR SHIPMENT.

1. Inorganic Sample Collection Requirements

- Aqueous samples require one double-volume sample per twenty per concentration for Matrix Spike and Duplicate.
- Preserve low level water samples:

Total Metals	Preserve with HNO_3 to pH ≤ 2.
Dissolved Metals	Preserve with HNO_3 to pH ≤ 2. No further digestion required.
Cyanide	Preserve with 10 N NaOH to ph ≥ 12.

- Oily samples must be analyzed under the Special Analytical Services (SAS) program.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form. Press firmly with a ball-point to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report/Chain of Custody form within 5 days.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
  Required Information:
  - Case (and/or SAS) Number
  - Date Shipped
  - Number of samples by concentration and matrix
  - Carrier and airbill number
  - Next planned shipment

  Leave your name and a number where you can be reached.
- Information for SATURDAY DELIVERIES must be phoned in by 3:00 p.m. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS.

  USEPA Contract Laboratory Program
  Sample Management Office
  P.O. Box 818
  Alexandria, VA 22313
  Phone: (703) 557-2490

16897-7-0005

08/06/91

graphite furnace spiking solution

1 ml	cd	10 PPm	100 ml 1% HNO_3
2 ml	Se	↓	
4 ml	Pb		
8 ml	As		
10 ml	Tl	10 PPm	

RR

ICV-4 (1290) opened 08/15/91 RR

08/14/91 ICP Spiking Solution 1l

RR

Al	4 ml	10,000	Inorganic Ventures
Sb	10 ml	1000	
As	40 ml	1000	
Ba	40 ml	1000	
Be	1 ml	1000	
Cd	1 ml	1000	
Cr	4 ml	1000	
Co	10 ml	1000	
Cu	5 ml	1000	
Fe	2 ml	10,000	
Pb	10 ml	1000	
Mn	10 ml	1000	
Ni	10 ml	1000	
Se	40 ml	1000	
Ag	1 ml	1000	
Tl	40 ml	1000	
V	10 ml	1000	
Zn	10 ml	1000	

5% Hcl + 1% HNO_3 instra analysed

16897-7-0006

DATE	Volume	Before	After	
07/30/91	4l	18.1	18.1	RR
07/31/91	4l	18.1	18.1	RR
08/01/91	6l	18.1	18.1	RR
08/05/91	6l	17.8	17.8	RR
08/06/91	~20L	>18.3 08-06-91	>18.3	TC
08/06 91	6l	17.8	17.8	RR
08/07/91	~20L	18.3	18.1	TC
08/07/91	6l	18.1	18.1	RR
08/08/91	6L	18.1	18.1	RR
	Changed	final filter		
08/09/91	3L	17.2	17.2	RR
08/10/91	6L	17.2	17.2	RR
08/13/91	~40L	17.8	16.7	TC
08/12/91	6L	17.8	17.2	RR
08/13/91	4L	17.7	17.7	RR
08/14/91	6L	17.8	17.8	RR
08/15/91	6L	17.5	17.0	SK
08/15/91	6L	17.8	17.8	RR
08/16/91	changed	final filter		RR
08/16/91	4L	17.5	17.5	RR
08/20/91	~40L	> 18.3	>18.3	TC
08/26/91	Changed	final filter		RR
08/26/91	6L	18.3	18.3	RR
08/27/91	6L	17.3	17.3	RR
08/29/91	9L	17.3	17.3	RR
08/30/91	4L	17.3	17.3	RR

16897-7-0007

BETZ LABORATORIES -TREVOSE PA
SAMPLE RECEIPT LOG

SAMPLE CUSTODIAN SIGNATURE: Elsie Boyd
DATE: 08 / 01 / 91
SHIPPER REFERENCE NO. (AIRBILL): 065 7920771

DOCUMENT CONTROL NO.:
CASE NO.: 16897
SDG NO.: 65686

CIRCLE THE APPROPRIATE RESPONSE:
Custody Seal: present / absent
intact / not intact
Chain-of-Custody: present / absent

Sample Tags: present / absent
Sample Tag Numbers: listed / not listed on chain-of-c
Traffic Report / SMO Forms: present / absent

DATE RECEIVED	TIME RECEIVED	CHAIN-OF-CUSTODY RECORD NUMBER	SMO SAMPLE NUMBERS	SAMPLE TAG NUMBERS (EPA NO)	MATRIX WATER/SOIL LEVEL LOW/MED *	ANALYSIS (M/CN) *	DOES INFORMATION ON CUSTODY RECORDS, TRAFFIC REPORTS, & SAMPLE TAGS AGREE *	REMARKS:
08/01/91	11:15	MGJ001			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ002			WATER / SOIL LOW / MED	M / CN	Y / N	QC
		MGJ003			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ004			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ005			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ006			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ007			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ008			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ009			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ010			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ011			WATER / SOIL LOW / MED	M / CN	Y / N	A Dup + Spike for C.N + T.M.
		MGJ012			WATER / SOIL LOW / MED	M / CN	Y / N	QC as per Conversation with Barry Evans 8/02/91
		MGJ013			WATER / SOIL LOW / MED	M / CN	Y / N	
		MGJ014			WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	
					WATER / SOIL LOW / MED	M / CN	Y / N	

* Circle the appropriate response

16897-7-0008

Case No. 16897 Date 08/01/91

SDG No. SAS# ~~105686~~ 65686 EB 08/01/91 Initials EB

EPA Number	pH 2 or Less (1)	pH 12 or More (2)
MGJ011	2	12
12	2	12
13	2	12
14	2	12

QAFM-16

(1) Check if pH is less than or equal to 2. If pH > 2, record pH and notify Project Manager.
(2) Check if pH is greater than or equal to 12. If pH < 12, record pH and notify Project Manager.

16897-7-0009

BETZ LABORATORIES - TREVOSE PA
SOIL/SEDIMENT SAMPLE DIGESTION LOG
ICP/FURNACE

CASE NO.: 16897 DATE: 08/01/91

SDG NO.: 6568G INITIALS: RR

BALANCE NO.: Sartorius QC WT. (1.0 G) 1.0003

EPA ID	Weight (g)	Before Color	Before Texture	Artifacts	Description	After Color	Comments
PBS F1				Y/N		colorless	
LCSS F1	1.0109	orange	Fine	Y/N		colorless	
MGJ001 F1	1.0133	grey	Medium	Y/N	Sm.rocks	colorless	
MGJ002 F1	1.0168	grey	Medium	Y/N	Sm.rocks	colorless	
MGJ002D F1	1.0169	grey	Medium	Y/N	Sm.rocks	colorless	
MGJ002S F1	1.0169	grey	Medium	Y/N	Sm.rocks	colorless	
MGJ003 F1	1.0170	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ004 F1	1.0174	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ005 F1	1.0154	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ006 F1	1.0178	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ007 F1	1.0179	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ008 F1	1.0151	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ009 F1	1.0182	grey	Medium	Y/N	Sm.rocks	yellow	
MGJ010 F1	1.0167	grey	Medium	Y/N	Sm.rocks	colorless	
				Y/N			
				Y/N			
				Y/N			
				Y/N			
				Y/N			
				Y/N			

Comments: ml H_2O_2 IIIII

1. A prep blank, LCS, duplicate and spike MUST be included for each SDG
2. Preferred weight for preps is 1.000 g to 1.500 g.
3. Label sample with F for Furnace prep or with an P for ICP prep.
4. Colors - red, blue, yellow, green, orange, violet, white, colorless, brown, grey, black
5. Texture - fine (powdery), medium (sand), coarse (large crystals).
6. If artifacts are present description must be completed.
7. Unless noted otherwise, final volume was 200 ml.

DETS LABORATORIES • TRUVOR PA
WATER SAMPLE DIGESTION LOG
ICP/FURNACE

SOP 102.3.2
Page 3 of 3

Case # 16897

Date 08/06/91

SDG No. # 6568G

Initialled RR

EPA ID.	Before Color	Before Clarity	Final Color	Final Clarity	Comments
PBW F1	colorless	clear	colorless	clear	
LCSW F1					
MGJ011 F1					
MGJ011D F1					
MGJ011S F1					
MGJ012 F1					
MGJ013 F1					
MGJ014 F1	colorless	clear	colorless	clear	

1. Include a prep blank, LCS, duplicate and spike for each SDG.
2. Label samples with F for Furnace Run or with C for ICP.

16897-7-000

BETZ LABORATORIES - TREVOSE PA
SOIL/SEDIMENT SAMPLE DIGESTION LOG
(ICP) FURNACE

CASE NO.: 16897 DATE: 08/05/91

SDG NO.: 6568G INITIALS: RR

BALANCE NO.: Sartorius QC WT. (1.0 G) 1.0004

EPA ID	Weight (g)	Before Color	Before Texture	Artifacts	Description	After Color	Comments
PBS P1				Y/N		Colorless	
LCSS P1	1.0097	Orange	Fine	Y/N		yellow	
MGJ 001P1	1.0146	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 002P1	1.0149	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 002DP1	1.0149	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 002SP1	1.0148	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 003P1	1.0156	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 004P1	1.0145	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 005P1	1.0133	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 006P1	1.0146	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 007P1	1.0136	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 008P1	1.0156	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 009P1	1.0156	grey	Medium	Y/N	Sm. rocks	yellow	
MGJ 010P1	1.0174	grey	Medium	Y/N	Sm. rocks	yellow	
				Y/N			
				Y/N			
				Y/N			
				Y/N			
				Y/N			
				Y/N			

Comments: ml H_2O_2 IIIII

1. A prep blank, LCS, duplicate and spike MUST be included for each SDG
2. Preferred weight for preps is 1.000 g to 1.500 g.
3. Label sample with F for Furnace prep or with an P for ICP prep.
4. Colors - red, blue, yellow, green, orange, violet, white, colorless, brown, grey, black
5. Texture - fine (powdery), medium (sand), coarse (large crystals).
6. If artifacts are present description must be completed.
7. Unless noted otherwise, final volume was 200 ml.

DETS LABORATORIES • TRYCOE PA
WATER SAMPLE DIGESTION LOG
ICP/FURNACE

SOP 101.1.2
Page 3 of 3

Case # 16897

Date 08/06/91

SDG No. 06568G

Initialled RR

EPA ID.	Before Color	Before Clarity	Final Color	Final Clarity	Comments
PBW P1	Colorless	clear	Colorless	clear	
LCSW P1					
MGJ011 P1					
MGJ011D P1					
MGJ011S P1					
MGJ012 P1					
MGJ013 P1					
MGJ014 P1	Colorless	clear	Colorless	clear	

1. Include a prep blank, LCS, duplicate and spike for each SDG.
2. Label Samples with F for Furnace Prep or with a P for ICP prep.

(16897-7-0011)

mBEH36 16838

BETZ LABORATORIES - TREVOSE PA SOP 107.1.2

MERCURY ANALYSIS LOG Page 6 of 6

SDG 65686 CASE 16897 PREP DATE 08/06/91 INITIALS KEL

ANALYSIS DATE 08/06/91 START TIME ~~15:30~~ 15:30 KEL STOP TIME ~~15:4~~ 16:45 KEL

EPA ID	WT G/VOL ML	ABSORBANCE	CONC	COMMENTS
S0		.001		
S.5		.007	correlation	.9998
S1		.017	int	-.06168
S5		.079	slope	65.402
S10		.153		
ICV		.081	5.24	
ICB		.001	<	
CRA		.004	0.20	
CCV		.080	5.17	
CCB		.002	<	
PBS- 65686		.000	<	
LCSS- 65686	17 .0703	.122	7.92	11.27 ppm
MGJ001	3 .2717	.002	<	
MGJ002	4 .2605	.002	<	
MGJ002D	5 .2151	.002	<	
MGJ002S	6 .2244	.017	1.05	
MGJ003	7 .2627	.002	<	
MGJ004	10 .2679	.002	<	
MGJ005	12 .2101	.004	0.20	
MGJ006	13 .2158	.002		
CCV		.078	5.04	
CCB		.001	<	
MGJ007	15 .2058	.002	<	
MGJ008	18 .2801	.002	<	
MGJ009	19 .2539	.001	<	
MGJ010	20 .2279	.003	0.13	
PBS- MBEH36		.000	<	
LCSS- MBEH36	80 .0710	.130	8.44	11.89 ppm
MBEH36	21 .2856	.002	<	
MBEH36D	22 .2401	.002	<	
MBEH36S	23 .2536	.019	1.18	
X	X	X	X	
CCV		.081	5.23	
CCB		.000	<	

1) A prep blank, duplicate, and spike must be included for each SDG.
2) An LCS (0.07 g) must be included for soil samples, no LCSW required.
3) Weight for soils is 0.200 g to 0.300 g. Final volume is 100 ml.

QAFM-8

MBEH36 16838
MBZ323 16840

BETZ LABORATORIES - TREVOSE PA SOP 107.1.2
MERCURY ANALYSIS LOG Page 6 of 6

SDG 65686 CASE 16897 PREP DATE 08/09/91 INITIALS KEG
ANALYSIS DATE ~~08/09/91~~ 08/12/91 START TIME ~~1110~~ 1110 STOP TIME ~~1140~~ 1110

EPA ID	WT G/VOL ML	ABSORBANCE	CONC	COMMENTS
S0		.001		
S.5		.006	correlation	.9999
S1		.013	slope	74.0015
S5		.068	int	-.000465
S10		.135		
ICV		.068	5.03	
ICB		-.000	<	
CRA		.001	<	
CCV		.066	4.88	
CCB		-.000	<	
PBW 65686		-.001	<	
MG5011	3	-.000	<	
MG5011D	4	-.000	<	
MG5011S	5	.012	.89	
MG5012	6	-.001	<	
MG5013	7	-.001	<	
MG5014	10	.014	1.04	
PBW MBZ323		-.001	<	
MBZ323	12	.003	0.22	
MBZ324	13	-.001	<	
CCV		.068	5.03	
CCB		-.001	<	
MBZ325	15	-.001	<	
MBZ326	18	.000	<	
MBZ326D	19	.001	<	
MBZ326S	20	.014	1.04	
PBW MBEH36		-.001	<	
MBEH37	21	-.000	<	
CCV		.068	5.03	
CCB		-.000	<	

1) A prep blank, duplicate, and spike must be included for each SDG.
2) An LCS (0.07 g) must be included for soil samples, no LCSW required.
3) Weight for soils is 0.200 g to 0.300 g. Final volume is 100 ml.

QAFM-8

16897-7-0012

BETZ LABORATORIES - TREVOSE PA
CYANIDE DISTILLATION LOG
SOIL/WATER SAMPLES

CASE NO.: 16897 DATE: 08/02/91

SDG NO.: 6568G INITIALS: EB

BALANCE ID: Sartorius QC WT (5.0 g) 5.0002

EPA ID	Sample Volume, ml	Sample Weight, g	Aliquot Volume, ml	Sulfide Yes No	Comments
MGJ001		4.0704	250	✓	
MGJ002		4.6610		✓	
MGJ002D		4.6684		✓	
MGJ002S		4.2091		✓	5ml 5ppm CN /500
LCSS-6568G		5.0000		✓	
ICV-6568G	500			✓	5ml ICV-6 /500
PBS1-6568G	500			✓	
PBS2-6568G	500		250	✓	
MGJ003		4.2071		✓	
MGJ004		3.6034		✓	
MGJ005		4.0661		✓	
MGJ006		3.9823		✓	
MGJ007		4.1567		✓	
MGJ008		3.8081		✓	

1) A prep blank, duplicate and spike must be included for each SDG and matrix.
2) An LCSS must be included for soil samples. No LCS is required for water.
3) An ICV must be distilled with each SDG.

BETZ LABORATORIES - TREVOSE PA
CYANIDE DISTILLATION LOG
SOIL/WATER SAMPLES

CASE NO.: 16897 DATE: 08/05/91

SDG NO.: 65686 INITIALS: EB

BALANCE ID: Sartorius QC WT (5.0 g) 5.0007

	EPA ID	Sample Volume, ml	Sample Weight, g	Aliquot Volume, ml	Sulfide Yes	Sulfide No	Comments
3	PBW1 65686	500		250		✓	
1	MGJ011	250				✓	
2	MGJ012	500				✓	
4	MGJ013	500				✓	
5	MGJ014	[illegible]				✓	
6	MGJ[illegible]	[illegible]				✓	
7	MGJ01MS	250				✓	: 5 of 5 ppm/250
1	PBS2 65686	500				✓	
2	MGJ0D9		4.5008			✓	
3	MGJ010		4.3539			✓	

1) A prep blank, duplicate and spike must be included for each SDG and matrix.
2) An LCSS must be included for soil samples. No LCS is required for water.
3) An ICV must be distilled with each SDG.

Betz Labs, Trevose

Method: CLP Standard Name: STD 1 Operator:
Run Time: 08/05/91 19:39:25
Comment:
Correction Factor: 1

Analyst GV Date 08-05-91
Supervisor SAK Date 08/05/91
Q A Review GVK Date 08/12/91

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	.0016667	.0093333	-.001667	.0000000	.0220000	-.002667	.0060000
SDev	.0025166	.0667857	.009815	.0000000	.0000000	.000577	.0052915
%RSD	150.9967	715.5615	588.8973	.0000000	.0000000	21.65063	88.19171
#1	.0020000	.0380000	-.013000	.0000000	.0220000	-.003000	.0020000
#2	.0040000	.0570000	.0040000	.0000000	.0220000	-.003000	.0120000
#3	-.001000	-.067000	.0040000	.0000000	.0220000	-.002000	.0040000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	.0040000	-.002667	.0010000	.1136667	-.001667	.0356667	.0006667
SDev	.0115326	.005132	.0010000	.0119303	.003786	.0100167	.0005774
%RSD	288.3141	192.4350	100.0000	10.49591	227.1563	28.08407	86.60254
#1	.0030000	-.004000	.0000000	.1040000	.0000000	.0280000	.0010000
#2	.0160000	.0030000	.0020000	.1270000	-.006000	.0470000	.0000000
#3	-.007000	-.007000	.0010000	.1100000	.0010000	.0320000	.0010000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	-.012333	.3020000	-.007333	.0200000	.0016667	.0070000	-.385000
SDev	.040723	.0472864	.011547	.0045826	.0015275	.0085440	.003000
%RSD	330.1836	15.65774	157.4592	22.91288	91.65151	122.0572	.7792224
#1	.0160000	.2580000	-.014000	.0210000	.0000000	.0080000	-.385000
#2	.0060000	.3520000	.0060000	.0240000	.0030000	-.002000	-.382000
#3	-.059000	.2960000	-.014000	.0150000	.0020000	.0150000	-.388000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V 2924	Zn2138
Avge	.0013333	.0020000
SDev	.0030551	.0000000
%RSD	229.1288	.0000000
#1	-.002000	.0020000
#2	.0040000	.0020000
#3	.0020000	.0020000
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--

16897-7-0013

#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 2 Operator:
Run Time: 08/05/91 19:43:22
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	1.568667	1.388667	.3733333	3.155000	1.266333	.1680000	1.705000
SDev	.009713	.035233	.0185831	.007810	.001528	.0036055	.002646
%RSD	.6191602	2.537152	4.977630	.2475534	.1206263	2.146161	.1551754
#1	1.558000	1.384000	.3820000	3.146000	1.265000	.1690000	1.703000
#2	1.577000	1.426000	.3520000	3.160000	1.266000	.1710000	1.704000
#3	1.571000	1.356000	.3860000	3.159000	1.268000	.1640000	1.708000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	3.883667	1.902333	.6623333	27.77633	.4283333	2.485667	.9300000
SDev	.013503	.004041	.0015275	.08796	.0089629	.007024	.0020000
%RSD	.3476916	.2124475	.2306249	.3166811	2.092500	.2825699	.2150542
#1	3.870000	1.903000	.6610000	27.67500	.4330000	2.479000	.9280000
#2	3.884000	1.906000	.6620000	27.82100	.4180000	2.485000	.9300000
#3	3.897000	1.898000	.6640000	27.83300	.4340000	2.493000	.9320000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	2.422000	1.163000	.2656667	.2753333	.6350000	.2066667	1.071667
SDev	.026963	.004359	.0075056	.0050332	.0030000	.0120554	.004509
%RSD	1.113253	.3747977	2.825180	1.828045	.4724396	5.833269	.4207672
#1	2.404000	1.158000	.2580000	.2800000	.6380000	.1940000	1.067000
#2	2.409000	1.165000	.2730000	.2700000	.6320000	.2080000	1.072000
#3	2.453000	1.166000	.2660000	.2760000	.6350000	.2180000	1.076000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	1.251667	1.360667
SDev	.003512	.006429
%RSD	.2805753	.4724985
#1	1.248000	1.356000
#2	1.252000	1.358000
#3	1.255000	1.368000
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 3 Operator:
Run Time: 08/05/91 19:47:19
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	7.880000	7.000000	1.870333	15.29867	6.296000	.8413333	8.523333
SDev	.005292	.078307	.026274	.02483	.001732	.0092376	.017214
%RSD	.0671530	1.118670	1.404786	.1622732	.0275083	1.097970	.2019682
#1	7.876000	6.938000	1.886000	15.31300	6.297000	.8360000	8.504000
#2	7.886000	7.088000	1.885000	15.31300	6.297000	.8360000	8.529000
#3	7.878000	6.974000	1.840000	15.27000	6.294000	.8520000	8.537000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	19.34033	9.511000	3.251333	137.6737	2.127000	12.26467	4.656000
SDev	.02663	.011790	.004726	.1399	.020664	.00839	.004000
%RSD	.1377100	.1239586	.1453507	.1015968	.9715061	.0683801	.0859096
#1	19.32700	9.521000	3.255000	137.5170	2.130000	12.26900	4.652000
#2	19.32300	9.498000	3.253000	137.7860	2.105000	12.27000	4.656000
#3	19.37100	9.514000	3.246000	137.7180	2.146000	12.25500	4.660000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	11.98033	4.759667	1.407000	1.271667	3.216333	1.033333	6.897000
SDev	.09504	.028184	.011790	.004726	.005860	.012858	.003464
%RSD	.7932911	.5921394	.8379400	.3716216	.1821806	1.244339	.0502266
#1	12.01000	4.728000	1.394000	1.270000	3.212000	1.048000	6.895000
#2	11.87400	4.769000	1.410000	1.268000	3.223000	1.028000	6.901000
#3	12.05700	4.782000	1.417000	1.277000	3.214000	1.024000	6.895000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V 2924	Zn2138
Avge	6.291000	6.848333
SDev	.006000	.015822
%RSD	.0953750	.2310347
#1	6.285000	6.831000
#2	6.297000	6.852000
#3	6.291000	6.862000

Factor	1.000000	1.000000					
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 4 Operator:
Run Time: 08/05/91 19:51:17
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	39.00300	34.75667	9.264667	74.07200	30.38967	4.163000	42.06433
SDev	.11291	.03499	.028006	.29318	.07179	.010000	.04007
%RSD	.2894853	.1006754	.3022881	.3957993	.2362448	.2402112	.0952499
#1	38.91100	34.72900	9.249000	73.84500	30.32700	4.163000	42.01900
#2	39.12900	34.74500	9.248000	74.40300	30.46800	4.153000	42.09500
#3	38.96900	34.79600	9.297000	73.96800	30.37400	4.173000	42.07900
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	93.39067	45.71433	15.84467	659.0467	10.35867	60.43000	22.45033
SDev	.13094	.06751	.05829	1.2654	.01955	.17846	.03456
%RSD	.1402043	.1476880	.3678613	.1920007	.1887641	.2953232	.1539365
#1	93.25000	45.64600	15.79800	657.8170	10.33700	60.28700	22.41700
#2	93.50900	45.78100	15.91000	660.3450	10.36400	60.63000	22.48600
#3	93.41300	45.71600	15.82600	658.9780	10.37500	60.37300	22.44800
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	57.60800	22.98633	6.960667	6.132667	16.24200	4.950333	35.38567
SDev	.16360	.06256	.004163	.017786	.13119	.008505	.11288
%RSD	.2839845	.2721798	.0598145	.2900153	.8077478	.1718067	.3190074
#1	57.49800	22.93800	6.956000	6.117000	16.09600	4.942000	35.29200
#2	57.53000	23.05700	6.962000	6.152000	16.35000	4.950000	35.51100
#3	57.79600	22.96400	6.964000	6.129000	16.28000	4.959000	35.35400
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	V_2924	Zn2138					
Avge	30.80433	33.38400					
SDev	.07168	.04413					

%RSD	.2326796	.1322037
#1	30.73900	33.33800
#2	30.88100	33.42600
#3	30.79300	33.38800
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 5 Operator:
Run Time: 08/05/91 19:55:15
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	225.9880	.4140000	.0066667	.3303333	.0346667	.0030000	236.8457
SDev	.4498	.0793032	.0230290	.0015275	.0011547	.0051962	.2503
%RSD	.1990159	19.15536	345.4345	.4624173	3.330861	173.2051	.1056777
#1	225.4980	.4220000	-.017000	.3290000	.0340000	.0090000	236.5820
#2	226.3820	.4890000	.0290000	.3300000	.0360000	.0000000	236.8750
#3	226.0840	.3310000	.0080000	.3320000	.0340000	.0000000	237.0800
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	-.059333	.2113333	.0246667	1501.927	.6990000	354.5620	154.4577
SDev	.014572	.0058595	.0011547	1.816	.0111355	1.0108	.0657
%RSD	24.55898	2.772615	4.681219	.1208902	1.593066	.2850949	.0425067
#1	-.073000	.2090000	.0240000	1499.840	.6890000	353.4700	154.3980
#2	-.061000	.2070000	.0260000	1502.801	.7110000	355.4650	154.5280
#3	-.044000	.2180000	.0240000	1503.141	.6970000	354.7510	154.4470
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	-.070000	.2233333	.0306667	.0180000	.0320000	-.122000	82.57733
SDev	.012490	.0376873	.0735686	.0034641	.0000000	.019000	.19861
%RSD	17.84285	16.87492	239.8975	19.24501	.0000000	15.57377	.2405095
#1	-.060000	.1880000	.0790000	.0220000	.0320000	-.117000	82.35600
#2	-.066000	.2630000	-.054000	.0160000	.0320000	-.106000	82.74000
#3	-.084000	.2190000	.0670000	.0160000	.0320000	-.143000	82.63600

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	-.131667	.1356667
SDev	.001528	.0005774
%RSD	1.160148	.4255661
#1	-.132000	.1360000
#2	-.133000	.1350000
#3	-.130000	.1360000

Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Al2373	237.313	5 Aug 91 07:59	Full Fit	.999997
Sb2068	206.833	5 Aug 91 07:59	Full Fit	.999985
As1890	189.042/2	5 Aug 91 07:59	Full Fit	1.000000
Ba4554	455.403	5 Aug 91 07:59	Full Fit	1.000000
Be3130	313.042	5 Aug 91 07:59	Full Fit	1.000000
Cd2288	228.802/2	5 Aug 91 07:59	Full Fit	.999999
Ca3706	370.603	5 Aug 91 07:59	Full Fit	.999999
Cr2677	267.716	5 Aug 91 08:00	Full Fit	.999999
Co2286	228.616	5 Aug 91 08:00	Full Fit	.999997
Cu3247	324.754	5 Aug 91 08:00	Full Fit	1.000000
Fe2599	259.940	5 Aug 91 08:00	Full Fit	.999998
Pb2203	220.353	5 Aug 91 08:00	Full Fit	.999999
Mg3832	383.231	5 Aug 91 08:00	Full Fit	.999994
Mn2576	257.610	5 Aug 91 08:00	Full Fit	.999974
Ni2316	231.604/2	5 Aug 91 08:00	Full Fit	.999997
K_7664	766.491	5 Aug 91 08:00	Full Fit	.999998
Se1960	196.026	5 Aug 91 08:00	Full Fit	1.000000
Ag3280	328.068	5 Aug 91 08:00	Full Fit	1.000000
Na5895	589.592	5 Aug 91 08:00	Full Fit	.999989
Tl1908	190.864/2	5 Aug 91 08:00	Full Fit	.999998
Ti3372	337.280	5 Aug 91 08:00	Full Fit	.999975
V_2924	292.402	5 Aug 91 08:00	Full Fit	.999993
Zn2138	213.856	5 Aug 91 08:00	Full Fit	.999989

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Method: CLP Element: Al2373
Mode: Concentration Wavelength: 237.313
Standards Table: CLP
Data File: CLP

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	.001634	(.000336)
A1 (Gain) :	.390834	(.000522)
A2 (Curvature):	-.00003	(.000002)
n (Exponent) :	1.00	(.01)

Correlation : .999997
Standard Error: .000841

Inflection Point Found: Conc. = 7747.60 (S)TR = 1514.02

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00008	.00008	-----	.00167	.00252
STD 2	4.0000	3.9888	-.0112	.279	1.5687	.00971
STD 3	20.000	20.076	.07566	.378	7.8800	.00529
STD 4	100.00	99.893	-.1068	.107	39.003	.11291
STD 5	600.00	600.04	.04461	.007	225.99	.44975

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Sb2068
Wavelength: 206.833

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	.009270	(.000648)
A1 (Gain) :	3.43825	(.013069)
A2 (Curvature):	.001021	(.002232)
n (Exponent) :	1.00	(.01)

Correlation : .999985
Standard Error: .016211

WARNING -- Positive Curvature

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00002	.00002	-----	.00933	.06679
STD 2	.40000	.39761	-.0024	.598	1.3887	.03523
STD 3	2.0000	2.0143	.01434	.717	7.0000	.07831
STD 4	10.000	9.9881	-.0119	.119	34.757	.03499

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: As1890
Wavelength: 189.042/2

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	-.00167	(.000005)
A1 (Gain) :	.936733	(.000096)
A2 (Curvature):	-.00114	(.000016)
n (Exponent) :	1.00	(.01)

Correlation : 1.000000
Standard Error: .000118

Inflection Point Found: Conc. = 409.206 (S)TR = 191.657

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	493e-9	.00000	-----	-.0017	.00981
STD 2	.40000	.39994	-.0001	.016	.37333	.01858
STD 3	2.0000	2.0004	.00039	.019	1.8703	.02627
STD 4	10.000	9.9997	-.0003	.003	9.2647	.02801

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ba4554
Wavelength: 455.403

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	-.00001	(.000149)
A1 (Gain) :	7.74854	(.003033)
A2 (Curvature):	.000933	(.000554)
n (Exponent) :	.98	(.01)

Correlation : 1.000000
Standard Error: .003725

WARNING -- Positive Curvature

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.00000	.00000
STD 2	.40000	.39976	-.0002	.060	3.1550	.00781
STD 3	2.0000	2.0015	.00153	.077	15.299	.02483
STD 4	10.000	9.9986	-.0014	.014	74.072	.29318

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Be3130
Wavelength: 313.042

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	.021992	(.000077)
A1 (Gain) :	15.5430	(.007762)
A2 (Curvature):	-.44892	(.006617)
n (Exponent) :	1.01	(.01)

Correlation : 1.000000
Standard Error: .009673

Inflection Point Found: Conc. = 16.8295 (S)TR = 134.557

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.02200	.00000
STD 2	.08000	.07993	-.0001	.081	1.2663	.00153
STD 3	.40000	.40038	.00038	.096	6.2960	.00173
STD 4	2.0000	1.9997	-.0003	.017	30.390	.07179

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cd2288
Wavelength: 228.802/2

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	-.00267	(.000017)
A1 (Gain) :	1.87680	(.001542)
A2 (Curvature):	.004412	(.001482)
n (Exponent) :	.99	(.01)

Correlation : .999999
Standard Error: .002137

WARNING -- Positive Curvature

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	-.0027	.00058
STD 2	.08000	.07989	-.0001	.141	.16800	.00361
STD 3	.40000	.40070	.00070	.174	.84133	.00924
STD 4	2.0000	1.9994	-.0006	.030	4.1630	.01000

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ca3706
Wavelength: 370.603

Fit: Full Fit Date of Fit: 5 Aug 91 07:59

Constant	Value	Error
A0 (Offset) :	.005978	(.000250)
A1 (Gain) :	.420573	(.000386)
A2 (Curvature):	-.00005	(.000001)
n (Exponent) :	1.00	(.01)

Correlation : .999999
Standard Error: .000627

Inflection Point Found: Conc. = 4455.09 (S)TR = 936.853

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00005	.00005	-----	.00600	.00529
STD 2	4.0000	3.9928	-.0072	.179	1.7050	.00265
STD 3	20.000	20.053	.05322	.266	8.5233	.01721
STD 4	100.00	99.904	-.0958	.096	42.064	.04007
STD 5	600.00	600.06	.05529	.009	236.85	.25029

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cr2677
Wavelength: 267.716

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.003957	(.000442)
A1 (Gain) :	9.72456	(.008997)
A2 (Curvature):	-.03873	(.001524)
n (Exponent) :	1.00	(.01)

Correlation : .999999
Standard Error: .011068

Inflection Point Found: Conc. = 125.534 (S)TR = 610.385

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.00400	.01153
STD 2	.40000	.39942	-.0006	.145	3.8837	.01350
STD 3	2.0000	2.0035	.00352	.176	19.340	.02663
STD 4	10.000	9.9969	-.0031	.031	93.391	.13094

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Co2286
Wavelength: 228.616

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	-.00271	(.000397)
A1 (Gain) :	4.76826	(.008062)
A2 (Curvature):	-.02094	(.001369)
n (Exponent) :	1.00	(.01)

Correlation : .999997
Standard Error: .009945

Inflection Point Found: Conc. - 113.877 (S)IR - 271.496

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	-.0027	.00513
STD 2	.40000	.39894	-.0011	.265	1.9023	.00404
STD 3	2.0000	2.0065	.00646	.323	9.5110	.01179
STD 4	10.000	9.9942	-.0058	.058	45.714	.06751

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cu3247
Wavelength: 324.754

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.000998	(.000016)
A1 (Gain) :	1.63879	(.000334)
A2 (Curvature):	-.00186	(.000059)
n (Exponent) :	.99	(.01)

Correlation : 1.000000
Standard Error: .000410

Inflection Point Found: Conc. - 468.941 (S)TR - 361.328

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.00100	.00100
STD 2	.40000	.39987	-.0001	.031	.66233	.00153
STD 3	2.0000	2.0008	.00078	.039	3.2513	.00473
STD 4	10.000	9.9993	-.0007	.007	15.845	.05829

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Fe2599
Wavelength: 259.940

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.113117	(.004287)
A1 (Gain) :	6.94645	(.007467)
A2 (Curvature):	-.00373	(.000055)
n (Exponent) :	1.00	(.01)

Correlation : .999998
Standard Error: .010737

Inflection Point Found: Conc. = 931.845 (S)TR = 3236.62

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00008	.00008	-----	.11367	.01193
STD 2	4.0000	3.9910	-.0090	.225	27.776	.08796
STD 3	20.000	20.019	.01858	.093	137.67	.13987
STD 4	100.00	100.25	.25492	.255	659.05	1.2654
STD 5	250.00	249.68	-.3235	.129	1501.9	1.8157

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Pb2203
Wavelength: 220.353

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	-.00166	(.000063)
A1 (Gain) :	1.06215	(.001276)
A2 (Curvature):	-.00389	(.000219)
n (Exponent) :	1.00	(.01)

Correlation : .999999
Standard Error: .001588

Inflection Point Found: Conc. = 136.536 (S)TR = 72.5092

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-.0000	-.0000	-----	-.0017	.00379
STD 2	.40000	.40076	.00076	.190	.42833	.00896
STD 3	2.0000	1.9954	-.0046	.231	2.1270	.02066
STD 4	10.000	10.004	.00409	.041	10.359	.01955

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Mg3832
Wavelength: 383.231

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.035741	(.000742)
A1 (Gain) :	.610808	(.001160)
A2 (Curvature):	-.00003	(.000004)
n (Exponent) :	1.00	(.01)

Correlation : .999994
Standard Error: .001860

Inflection Point Found: Conc. - 8941.92 (S)TR - 2730.93

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-.0001	-.0001	-----	.03567	.01002
STD 2	4.0000	4.0114	.01139	.285	2.4857	.00702
STD 3	20.000	20.041	.04101	.205	12.265	.00839
STD 4	100.00	99.417	-.5831	.583	60.430	.17846
STD 5	600.00	600.56	.56199	.094	354.56	1.0108

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Mn2576
Wavelength: 257.610

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.000601	(.000579)
A1 (Gain) :	2.32701	(.008984)
A2 (Curvature):	-.00245	(.000254)
n (Exponent) :	.99	(.01)

Correlation : .999974
Standard Error: .014510

Inflection Point Found: Conc. - 506.370 (S)TR = 553.596

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00003	.00003	-----	.00067	.00058
STD 2	.40000	.39637	-.0036	.908	.93000	.00200
STD 3	2.0000	2.0214	.02145	1.07	4.6560	.00400
STD 4	10.000	9.9870	-.0130	.130	22.450	.03456
STD 5	75.000	74.993	-.0071	.009	154.46	.06565

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ni2316
Wavelength: 231.604/2

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	-.01238	(.000461)
A1 (Gain) :	6.04366	(.009368)
A2 (Curvature):	-.01554	(.001649)
n (Exponent) :	.99	(.01)

Correlation : .999997
Standard Error: .011526

Inflection Point Found: Conc. = 205.021 (S)TR = 587.409

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	-.0123	.04072
STD 2	.40000	.39904	-.0010	.240	2.4220	.02696
STD 3	2.0000	2.0060	.00601	.300	11.980	.09504
STD 4	10.000	9.9945	-.0055	.055	57.608	.16360

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: K 7664
Wavelength: 766.491

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.301985	(.000152)
A1 (Gain) :	.210100	(.000296)
A2 (Curvature):	-.00003	(.000004)
n (Exponent) :	1.02	(.01)

Correlation : .999998
Standard Error: .000381

Inflection Point Found: Conc. = 3261.12 (S)TR = 403.048

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00009	.00009	-----	.30200	.04729
STD 2	4.0000	3.9910	-.0090	.225	1.1630	.00436
STD 3	20.000	20.051	.05052	.253	4.7597	.02818
STD 4	100.00	99.961	-.0393	.039	22.986	.06256

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Se1960
Wavelength: 196.026

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	-.00733	(.000013)
A1 (Gain) :	.706736	(.000257)
A2 (Curvature):	-.00496	(.000039)
n (Exponent) :	1.03	(.01)

Correlation : 1.000000
Standard Error: .000315

Inflection Point Found: Conc. = 62.9270 (S)TR = 25.1711

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	-.0073	.01155
STD 2	.40000	.40023	.00023	.059	.26567	.00751
STD 3	2.0000	1.9987	-.0013	.065	1.4070	.01179
STD 4	10.000	10.001	.00108	.011	6.9607	.00416

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ag3280
Wavelength: 328.068

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.020002	(.000017)
A1 (Gain) :	3.12997	(.001686)
A2 (Curvature):	-.01671	(.001450)
n (Exponent) :	.99	(.01)

Correlation : 1.000000
Standard Error: .002093

Inflection Point Found: Conc. = 98.0309 (S)TR = 146.561

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.02000	.00458
STD 2	.08000	.08007	.00007	.083	.27533	.00503
STD 3	.40000	.39959	-.0004	.103	1.2717	.00473
STD 4	2.0000	2.0004	.00037	.018	6.1327	.01779

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Na5895
Wavelength: 589.592

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.001641	(.000262)
A1 (Gain) :	.159029	(.000533)
A2 (Curvature):	.000035	(.000009)
n (Exponent) :	1.00	(.01)

Correlation : .999989
Standard Error: .000655

WARNING -- Positive Curvature

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00016	.00016	-----	.00167	.00153
STD 2	4.0000	3.9791	-.0209	.522	.63500	.00300
STD 3	20.000	20.124	.12431	.622	3.2163	.00586
STD 4	100.00	99.900	-.1001	.100	16.242	.13119

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Tl1908
Wavelength: 190.864/2

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.007004	(.000035)
A1 (Gain) :	.516886	(.000710)
A2 (Curvature):	-.00494	(.000107)
n (Exponent) :	1.03	(.01)

Correlation : .999998
Standard Error: .000870

Inflection Point Found: Conc. = 46.6092 (S)TR = 13.5243

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.00700	.00854
STD 2	.40000	.40089	.00089	.222	.20667	.01206
STD 3	2.0000	1.9950	-.0050	.248	1.0333	.01286
STD 4	10.000	10.004	.00436	.044	4.9503	.00851

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ti3372
Wavelength: 337.280

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	-.38509	(.000891)
A1 (Gain) :	3.67019	(.015511)
A2 (Curvature):	-.01343	(.001147)
n (Exponent) :	1.00	(.01)

Correlation : .999975
Standard Error: .022305

Inflection Point Found: Conc. - 136.605 (S)TR - 250.299

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00002	.00002	-----	-.3850	.00300
STD 2	.40000	.39749	-.0025	.627	1.0717	.00451
STD 3	2.0000	1.9987	-.0013	.064	6.8970	.00346
STD 4	10.000	10.121	.12116	1.21	35.386	.11288
STD 5	25.000	24.867	-.1327	.531	82.577	.19861

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: V_2924
Wavelength: 292.402

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.001294	(.000404)
A1 (Gain) :	3.14443	(.008238)
A2 (Curvature):	-.00582	(.001393)
n (Exponent) :	1.00	(.01)

Correlation : .999993
Standard Error: .010118

Inflection Point Found: Conc. - 270.024 (S)TR - 424.536

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00133	.00306
STD 2	.40000	.39836	-.0016	.409	1.2517	.00351
STD 3	2.0000	2.0099	.00987	.493	6.2910	.00600
STD 4	10.000	9.9915	-.0085	.085	30.804	.07168

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Zn2138
Wavelength: 213.856

Fit: Full Fit Date of Fit: 5 Aug 91 08:00

Constant	Value	Error
A0 (Offset) :	.001946	(.000551)
A1 (Gain) :	3.39683	(.011150)
A2 (Curvature):	-.00756	(.001899)
n (Exponent) :	1.00	(.01)

Correlation : .999989
Standard Error: .013793

Inflection Point Found: Conc. - 224.607 (S)TR - 381.477

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00002	.00002	-----	.00200	.00000
STD 2	.40000	.39794	-.0021	.516	1.3607	.00643
STD 3	2.0000	2.0125	.01247	.624	6.8483	.01582
STD 4	10.000	9.9892	-.0108	.108	33.384	.04413

Method: CLP Sample Name: TCV Operator:
Run Time: 08/05/91 20:04:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.029	1.058	-.0006	2.010	.5058	.5139	51.37
SDev	.012	.010	.0054	.002	.0012	.0042	.20
%RSD	.5945	.9922	901.6	.1230	.2438	.8243	.3797
#1	2.020	1.048	.0001	2.007	.5044	.5094	51.17
#2	2.025	1.069	-.0063	2.010	.5060	.5144	51.38
#3	2.043	1.055	.0044	2.012	.5069	.5179	51.56
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.172	.9800		2.041	.5100	.4980	51.52
Range	.2172	.0980		.2041	.0510	.0498	5.152

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5094	.5068	.4982	2.018	5.195	25.59	.5021
SDev	.0015	.0014	.0007	.003	.022	.03	.0015
%RSD	.3042	.2665	.1420	.1683	.4149	.1355	.3020
#1	.5085	.5058	.4978	2.015	5.181	25.55	.5005
#2	.5085	.5063	.4978	2.019	5.184	25.61	.5022
#3	.5112	.5084	.4990	2.022	5.220	25.61	.5035
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5100	.5200	.5190	2.044	5.140	25.75	.5160
Range	.0510	.0520	.0519	.2044	.5140	2.575	.0516

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5020	51.64	.0192	.5107	51.69	.0199	.0033
SDev	.0036	.18	.0024	.0025	.14	.0247	.0007
%RSD	.7172	.3440	12.26	.4877	.2805	123.8	21.90
#1	.5057	51.48	.0213	.5079	51.82	.0152	.0027
#2	.4986	51.83	.0197	.5115	51.70	.0466	.0041
#3	.5016	51.61	.0166	.5127	51.53	-.0021	.0030
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	.4970	52.07		.4980	51.37		
Range	.0497	5.207		.0498	5.137		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4943	3.335
SDev	.0011	.010
%RSD	.2264	.3132
#1	.4932	3.325
#2	.4945	3.333
#3	.4954	3.346
Errors	QC Pass	QC Pass

Value	.5070	3.316
Range	.0507	.3316

Method: CLP Sample Name: TCB Operator:
Run Time: 08/05/91 20:09:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0197	.0046	-.0007	.0002	.0000	.0025	.0325
SDev	.0078	.0094	.0043	.0000	.0000	.0018	.0199
%RSD	39.62	204.5	605.9	.0019	149.9	72.05	61.18
#1	.0265	.0092	.0018	.0002	.0001	.0038	.0452
#2	.0214	.0107	-.0057	.0002	-.0000	.0004	.0427
#3	.0112	-.0062	.0018	.0002	.0000	.0033	.0096
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0013	.0015	-.0006	.0119	.0141	.0004
SDev	.0004	.0019	.0003	.0015	.0047	.0131	.0002
%RSD	143.5	142.6	21.83	256.0	39.49	93.34	54.54
#1	.0000	.0031	.0011	-.0004	.0166	.0266	.0002
#2	.0001	.0016	.0017	.0008	.0119	.0152	.0006
#3	.0008	-.0007	.0017	-.0022	.0072	.0004	.0006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.2554	.0031	.0016	-.0061	-.0026	.0003
SDev	.0022	.1478	.0244	.0005	.0073	.0163	.0007
%RSD	1914.	57.87	778.9	28.95	118.5	623.5	243.2
#1	-.0011	.3501	.0243	.0015	.0023	.0045	.0000
#2	.0027	.3310	.0087	.0021	-.0103	-.0213	.0011
#3	-.0013	.0851	-.0236	.0012	-.0103	.0089	-.0002
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0002	.0014
SDev	.0013	.0004
%RSD	566.2	32.49

#1	.0015	.0018
#2	.0002	.0015
#3	-.0010	.0009
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: CRT Operator:
Run Time: 08/05/91 20:13:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0633	.1426	.0006	.0003	.0106	.0136	.0578
SDev	.0039	.0050	.0093	.0001	.0000	.0018	.0049
%RSD	6.158	3.516	1446.	43.96	.3227	13.58	8.478
#1	.0591	.1372	.0113	.0004	.0106	.0139	.0632
#2	.0642	.1471	-.0036	.0002	.0106	.0116	.0562
#3	.0667	.1435	-.0058	.0002	.0106	.0153	.0538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0224	.1030	.0515	.0145	.0424	.0157	.0321
SDev	.0006	.0007	.0012	.0011	.0127	.0100	.0000
%RSD	2.686	.6557	2.322	7.866	29.96	63.52	.0010
#1	.0222	.1025	.0503	.0132	.0421	.0070	.0321
#2	.0220	.1027	.0515	.0150	.0299	.0136	.0321
#3	.0231	.1038	.0527	.0154	.0553	.0267	.0321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0864	.0119	.0092	.0209	.1133	-.0110	.0004
SDev	.0036	.2093	.0218	.0011	.0202	.0108	.0007
%RSD	4.143	1765.	235.8	5.144	17.83	98.27	177.1
#1	.0887	-.1713	.0218	.0203	.0903	-.0162	.0011
#2	.0883	-.0332	-.0159	.0203	.1280	.0014	-.0002
#3	.0823	.2401	.0218	.0222	.1217	-.0182	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138

Units	ppm	ppm
Avge	.1002	.0433
SDev	.0008	.0002
%RSD	.7991	.4128
#1	.0995	.0432
#2	.1001	.0432
#3	.1011	.0435
Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: TCSA Operator:
Run Time: 08/05/91 20:17:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	540.9	.0112	.0138	.0110	.0001	.0037	536.6
SDev	2.3	.0361	.0402	.0000	.0001	.0043	2.3
%RSD	.4215	321.3	291.5	.0001	58.82	117.2	.4207
#1	538.3	.0505	-.0243	.0110	.0002	.0060	534.2
#2	542.0	.0038	.0558	.0110	.0002	-.0013	537.1
#3	542.4	-.0206	.0099	.0110	.0000	.0063	538.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0043	.0152	208.3	-.0217	515.0	.0332
SDev	.0010	.0005	.0007	1.0	.0122	2.2	.0001
%RSD	15.63	11.11	4.496	.4872	56.31	.4363	.4301
#1	.0058	.0038	.0156	207.2	-.0108	512.4	.0333
#2	.0074	.0044	.0144	208.6	-.0349	516.0	.0330
#3	.0057	.0048	.0156	209.2	-.0195	516.6	.0331
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	-.0869	-.0030	-.0027	1.796	.2347	.0075
SDev	.0066	.3074	.0113	.0000	.007	.0369	.0005
%RSD	258.8	353.6	373.5	.7353	.4040	15.73	7.271
#1	.0032	-.1274	-.0161	-.0027	1.800	.2106	.0075
#2	-.0097	.2387	.0027	-.0027	1.800	.2163	.0069
#3	-.0011	-.3721	.0043	-.0027	1.787	.2772	.0080

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0058	.2138
SDev	.0008	.0004
%RSD	13.39	.1958
#1	-.0056	.2133
#2	-.0051	.2142
#3	-.0066	.2138

Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: TCSAB Operator:
Run Time: 08/05/91 20:22:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	534.6	.0398	.0060	.4572	.4728	.9546	531.1
SDev	2.1	.0336	.0426	.0021	.0019	.0023	1.7
%RSD	.3911	84.36	704.6	.4610	.3934	.2452	.3235
#1	532.1	.0222	.0391	.4548	.4706	.9531	529.2
#2	535.9	.0187	.0210	.4588	.4738	.9573	531.6
#3	535.6	.0785	-.0420	.4579	.4739	.9533	532.5
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5			.6024	.5760	1.088	604.4
Low	429.2			.4016	.3840	.7256	409.8

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4910	.4427	.5188	206.4	4.529	509.6	.4734
SDev	.0014	.0005	.0019	.7	.036	2.1	.0016
%RSD	.2757	.1190	.3604	.3194	.7907	.4029	.3301
#1	.4898	.4427	.5172	205.7	4.510	507.3	.4716
#2	.4908	.4433	.5209	206.8	4.507	511.1	.4743
#3	.4925	.4422	.5184	206.9	4.571	510.4	.4743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.6348	.5724	.6516	239.8	5.669	601.1	.5952
Low	.4232	.3816	.4344	159.9	3.779	422.0	.3968

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8619	-.0478	-.0243	.9407	1.794	.1785	.0067
SDev	.0091	.0968	.0327	.0025	.011	.0050	.0007
%RSD	1.050	202.6	134.6	.2636	.6067	2.791	10.80

#1	.8660	.0281	-.0544	.9379	1.806	.1779	.0070
#2	.8681	-.1569	-.0290	.9418	1.787	.1837	.0059
#3	.8515	-.0146	.0105	.9424	1.787	.1737	.0072
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1.128			1.152			
Low	.7520			.7680			

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4507	1.209
SDev	.0017	.003
%RSD	.3791	.2529
#1	.4492	1.206
#2	.4526	1.210
#3	.4504	1.211
Errors	LC Pass	LC Pass
High	.6108	1.450
Low	.4072	.9664

Method: CLP Sample Name: CCV Operator:
Run Time: 08/05/91 20:26:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.62	5.121	5.147	5.054	1.008	1.029	51.47
SDev	.08	.034	.013	.015	.002	.004	.08
%RSD	.1655	.6542	.2592	.3053	.2015	.3546	.1473
#1	50.63	5.156	5.132	5.069	1.009	1.027	51.41
#2	50.53	5.089	5.158	5.038	1.006	1.027	51.46
#3	50.70	5.117	5.151	5.055	1.009	1.033	51.56
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.117	5.110	5.030	51.13	5.135	50.69	5.119
SDev	.008	.010	.017	.06	.018	.12	.006
%RSD	.1615	.1875	.3358	.1241	.3507	.2401	.1184
#1	5.114	5.103	5.043	51.15	5.144	50.76	5.119
#2	5.111	5.107	5.011	51.06	5.114	50.55	5.114
#3	5.127	5.121	5.036	51.18	5.146	50.76	5.126
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.140	50.71	4.986	1.023	50.33	4.919	5.083
SDev	.010	.19	.039	.001	.18	.049	.010
%RSD	.1869	.3821	.7800	.0993	.3617	.9863	.1882
#1	5.147	50.49	4.986	1.024	50.45	4.958	5.088
#2	5.145	50.80	4.948	1.022	50.12	4.934	5.072
#3	5.129	50.85	5.025	1.024	50.41	4.865	5.089
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	5.106	5.119
SDev	.008	.008
%RSD	.1619	.1499
#1	5.110	5.119
#2	5.096	5.111
#3	5.111	5.126
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/05/91 20:30:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0324	.0151	.0114	.0002	.0001	.0024	.0388
SDev	.0039	.0070	.0087	.0001	.0000	.0014	.0013
%RSD	12.08	46.15	76.74	34.94	31.98	59.51	3.453
#1	.0290	.0232	.0039	.0002	.0001	.0038	.0380
#2	.0316	.0115	.0093	.0002	.0001	.0027	.0404
#3	.0367	.0107	.0210	.0001	.0001	.0009	.0381
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0013	.0010	.0124	.0072	.0184	.0007
SDev	.0010	.0007	.0009	.0016	.0016	.0028	.0002
%RSD	369.9	50.54	91.67	12.83	22.78	15.37	33.65
#1	-.0001	.0016	.0011	.0141	.0062	.0168	.0010
#2	.0014	.0006	.0017	.0122	.0091	.0217	.0006
#3	-.0005	.0018	.0000	.0109	.0062	.0168	.0006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.1774	.0319	.0005	-.0040	.0092	.0005
SDev	.0045	.0460	.0053	.0006	.0000	.0198	.0006
%RSD	830.2	25.95	16.53	125.6	.0000	213.9	131.6
#1	.0024	.1533	.0380	.0012	-.0040	.0196	.0008
#2	-.0046	.2305	.0289	.0003	-.0040	.0217	.0008
#3	.0038	.1484	.0289	-.0000	-.0040	-.0136	-.0002

Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0001	.0018
SDev	.0005	.0003
%RSD	403.7	16.00
#1	.0002	.0021
#2	.0005	.0015
#3	-.0004	.0018

Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: PBS-MGJ001 Operator:
Run Time: 08/05/91 20:35:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0469	.0042	.0125	.0004	.0000	.0012	.0973
SDev	.0051	.0112	.0123	.0001	.0001	.0009	.0071
%RSD	10.92	269.2	98.88	15.99	155.4	72.41	7.278
#1	.0469	.0156	.0007	.0004	.0001	.0013	.0901
#2	.0520	.0037	.0114	.0004	.0000	.0021	.1043
#3	.0418	-.0068	.0253	.0003	.0000	.0003	.0974

Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0008	.0019	.0218	.0078	.0261	.0006
SDev	.0001	.0002	.0009	.0017	.0072	.0009	.0000

%RSD	3.641	27.08	46.27	7.608	92.41	3.627	.0347
#1	.0032	.0010	.0029	.0201	.0062	.0266	.0006
#2	.0034	.0008	.0017	.0217	.0156	.0266	.0006
#3	.0032	.0006	.0011	.0234	.0015	.0250	.0006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0230	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0230	-5.000	-.0150
Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.2042	.0231	.0001	.1175	-.0004	.0025
SDev	.0002	.1250	.0169	.0009	.0254	.0183	.0011
%RSD	31.78	61.22	73.01	1078.	21.62	4384.	44.01
#1	.0010	.2641	.0425	-.0009	.1406	.0132	.0025
#2	.0007	.2880	.0119	.0003	.0903	.0068	.0036
#3	.0005	.0605	.0150	.0009	.1217	-.0213	.0014
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0003	.0107
SDev	.0008	.0003
%RSD	264.1	3.169
#1	.0005	.0109
#2	-.0004	.0103
#3	-.0010	.0109
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: LCSS-MGJ001 Operator:
Run Time: 08/05/91 20:39:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.916	1.166	4.883	.0235	.0896	.2057	H995.9
SDev	.009	.013	.042	.0001	.0005	.0004	5.4
%RSD	.4506	1.110	.8528	.5205	.5127	.2128	.5421
#1	1.906	1.179	4.849	.0234	.0891	.2053	H990.1
#2	1.923	1.166	4.872	.0236	.0897	.2058	H996.9
#3	1.919	1.153	4.930	.0235	.0900	.2061	H1001.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4650	.6796	H35.25	111.3	1.052	558.9	.9756
SDev	.0019	.0020	.23	.6	.013	3.3	.0043
%RSD	.3987	.2926	.6433	.5456	1.236	.5828	.4360
#1	.4643	.6775	H34.99	110.6	1.062	555.2	.9710
#2	.4636	.6798	H35.36	111.4	1.057	560.3	.9764
#3	.4671	.6815	H35.40	111.8	1.037	561.2	.9795
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2566	.4831	.1879	.1018	.3334	.3478	.0895
SDev	.0163	.2408	.0042	.0013	.0073	.0506	.0003
%RSD	6.356	49.84	2.227	1.249	2.177	14.54	.3517
#1	.2745	.7485	.1903	.1025	.3418	.3668	.0891
#2	.2426	.2786	.1831	.1025	.3292	.2904	.0897
#3	.2527	.4223	.1903	.1003	.3292	.3861	.0897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.3093	.8566
SDev	.0013	.0039
%RSD	.4333	.4549
#1	.3079	.8532
#2	.3105	.8557
#3	.3096	.8608
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: LCSS-MGJ001 1/2 SM Operator:
Run Time: 08/05/91 20:44:05 08/05/91
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.055	.6623	2.670	.0134	.0492	.1168	517.9
SDev	.009	.0192	.066	.0001	.0001	.0029	1.5
%RSD	.8697	2.900	2.456	.5198	.1936	2.487	.2991
#1	1.046	.6841	2.595	.0135	.0491	.1194	519.6
#2	1.055	.6478	2.715	.0134	.0492	.1137	516.6

#3	1.064	.6550	2.700	.0134	.0493	.1172	517.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2604	.3811	H18.06	60.39	.5933	294.7	.5364
SDev	.0019	.0013	.05	.13	.0093	.5	.0015
%RSD	.7425	.3359	.2934	.2079	1.563	.1692	.2856
#1	.2626	.3825	H18.02	60.51	.5986	294.5	.5379
#2	.2593	.3808	H18.05	60.26	.5986	294.4	.5348
#3	.2592	.3800	H18.12	60.41	.5826	295.3	.5366
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150
Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1465	.2987	.1198	.0558	.1909	.2161	.0448
SDev	.0085	.1855	.0250	.0012	.0000	.0199	.0008
%RSD	5.792	62.09	20.89	2.130	.0000	9.204	1.858
#1	.1486	.0854	.1486	.0563	.1909	.1976	.0450
#2	.1537	.3884	.1032	.0566	.1909	.2135	.0439
#3	.1371	.4223	.1076	.0544	.1909	.2371	.0455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1670	.5014
SDev	.0011	.0014
%RSD	.6905	.2703
#1	.1667	.5021
#2	.1660	.4999
#3	.1683	.5024
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: LCSS-MGJ001 1/5 SM Operator:
Run Time: 08/05/91 20:48:31 08/05/91
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4400	.2784	1.142	.0044	.0213	.0500	213.3

SDev	.0091	.0173	.029	.0001	.0000	.0020	.6
%RSD	2.075	6.213	2.517	1.536	.0138	3.982	.2694
#1	.4305	.2687	1.147	.0044	.0212	.0512	213.9
#2	.4408	.2984	1.168	.0044	.0213	.0477	213.4
#3	.4487	.2681	1.111	.0045	.0213	.0510	212.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1140	.1659	7.351	25.76	.2725	122.1	.2306
SDev	.0001	.0014	.018	.04	.0050	.1	.0003
%RSD	.0899	.8603	.2516	.1384	1.834	.0845	.1090
#1	.1141	.1670	7.330	25.78	.2782	122.0	.2308
#2	.1140	.1643	7.359	25.77	.2687	122.1	.2308
#3	.1139	.1664	7.365	25.72	.2706	122.1	.2303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0685	.1743	.0346	.0236	.0777	.1106	.0146
SDev	.0032	.1067	.0267	.0011	.0218	.0104	.0015
%RSD	4.747	61.22	77.16	4.624	28.03	9.449	10.25
#1	.0717	.1650	.0086	.0246	.0526	.1226	.0164
#2	.0685	.0726	.0619	.0237	.0903	.1046	.0139
#3	.0652	.2853	.0333	.0225	.0903	.1045	.0136
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0716	.2421
SDev	.0005	.0002
%RSD	.6831	.0878
#1	.0721	.2424
#2	.0715	.2420
#3	.0712	.2420
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ001 Operator:
Run Time: 08/05/91 20:52:52

Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.57	.0030	.0137	.1652	.0008	.0007	10.22
SDev	.08	.0100	.0125	.0006	.0000	.0003	.09
%RSD	.5723	333.2	90.95	.3945	4.465	47.54	.8626
#1	14.49	.0145	.0272	.1647	.0009	.0006	10.14
#2	14.56	-.0023	.0112	.1651	.0008	.0005	10.21
#3	14.65	-.0032	.0027	.1660	.0009	.0011	10.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0325	.0138	.0152	39.59	.0145	4.085	.8363
SDev	.0004	.0012	.0003	.29	.0024	.026	.0063
%RSD	1.265	9.014	2.259	.7216	16.90	.6357	.7582
#1	.0325	.0143	.0154	39.31	.0150	4.075	.8298
#2	.0321	.0147	.0154	39.56	.0167	4.065	.8368
#3	.0329	.0124	.0148	39.88	.0119	4.114	.8425
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0298	2.335	.0029	-.0007	.2768	.0199	.5362
SDev	.0067	.118	.0189	.0013	.0202	.0132	.0032
%RSD	22.51	5.051	650.8	184.4	7.301	66.38	.6015
#1	.0220	2.352	-.0154	-.0009	.2915	.0157	.5335
#2	.0338	2.444	.0223	.0007	.2538	.0093	.5354
#3	.0335	2.210	.0018	-.0018	.2852	.0346	.5397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.0478	.0693
SDev	.0005	.0003
%RSD	.9759	.3730
#1	.0483	.0690
#2	.0474	.0693
#3	.0478	.0696
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ002 Operator:
Run Time: 08/05/91 20:57:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	34.07	.0016	.0166	.3458	.0014	.0025	18.58
SDev	.05	.0006	.0120	.0003	.0000	.0018	.08
%RSD	.1509	37.38	72.62	.0776	2.950	71.12	.4160
#1	34.02	.0015	.0102	.3459	.0014	.0004	18.51
#2	34.06	.0021	.0091	.3455	.0015	.0035	18.56
#3	34.12	.0010	.0304	.3461	.0015	.0036	18.66
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0608	.0214	.0258	55.99	.0348	7.219	2.007
SDev	.0004	.0012	.0006	.16	.0066	.012	.007
%RSD	.7379	5.500	2.299	.2946	19.10	.1702	.3291
#1	.0605	.0216	.0258	55.83	.0418	7.220	2.001
#2	.0613	.0224	.0252	55.98	.0285	7.206	2.007
#3	.0606	.0201	.0264	56.16	.0341	7.231	2.014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0523	3.111	-.0198	.0003	.6687	.0080	1.017
SDev	.0030	.225	.0163	.0012	.0218	.0240	.001
%RSD	5.777	7.227	82.27	476.6	3.256	302.3	.1124
#1	.0489	3.169	-.0037	-.0010	.6938	.0294	1.016
#2	.0538	3.301	-.0363	.0015	.6561	-.0181	1.017
#3	.0544	2.863	-.0193	.0003	.6561	.0125	1.018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.0908	.1163
SDev	.0005	.0015
%RSD	.5893	1.257
#1	.0915	.1148
#2	.0905	.1165

#3	.0905	.1177
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ002D Operator:
Run Time: 08/05/91 21:01:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.38	.0025	.0133	.3556	.0015	.0020	13.96
SDev	.04	.0120	.0129	.0004	.0000	.0014	.03
%RSD	.1085	483.2	97.19	.1166	.1407	67.05	.2230
#1	32.42	.0011	.0112	.3561	.0015	.0014	13.93
#2	32.38	-.0088	.0272	.3555	.0015	.0036	13.96
#3	32.35	.0151	.0016	.3553	.0015	.0011	13.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0476	.0172	.0257	58.01	.0241	5.828	1.537
SDev	.0013	.0004	.0003	.10	.0038	.004	.003
%RSD	2.819	2.466	1.333	.1681	15.73	.0710	.1945
#1	.0462	.0176	.0253	57.91	.0275	5.831	1.534
#2	.0478	.0172	.0259	58.04	.0200	5.823	1.535
#3	.0489	.0168	.0259	58.10	.0248	5.828	1.540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0417	3.107	.0243	-.0013	.2915	.0046	.7618
SDev	.0116	.038	.0081	.0010	.0000	.0058	.0006
%RSD	27.78	1.223	33.31	72.92	.0000	124.8	.0749
#1	.0440	3.095	.0182	-.0022	.2915	.0090	.7620
#2	.0291	3.077	.0213	-.0016	.2915	.0068	.7623
#3	.0520	3.150	.0335	-.0003	.2915	-.0019	.7612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0824	.1218

SDev	.0004	.0006
%RSD	.4341	.4969
#1	.0828	.1211
#2	.0822	.1220
#3	.0822	.1222
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ002S Operator:
Run Time: 08/05/91 21:05:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	39.75	.3374	1.824	2.758	.0470	.0464	14.38
SDev	.09	.0093	.031	.008	.0002	.0015	.05
%RSD	.2185	2.758	1.680	.2987	.3606	3.335	.3620
#1	39.65	.3356	1.806	2.748	.0468	.0481	14.33
#2	39.80	.3475	1.807	2.763	.0471	.0455	14.39
#3	39.81	.3291	1.860	2.762	.0471	.0454	14.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2413	.5227	.2492	66.89	.5017	8.307	10.87
SDev	.0003	.0018	.0000	.22	.0169	.033	.03
%RSD	.1059	.3450	.0007	.3330	3.367	.3914	.3176
#1	.2410	.5240	.2492	66.64	.4976	8.270	10.83
#2	.2413	.5234	.2492	66.95	.5202	8.330	10.88
#3	.2415	.5206	.2492	67.07	.4872	8.321	10.90
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5245	3.455	1.798	.0416	.3669	1.847	.7729
SDev	.0046	.269	.003	.0010	.0218	.025	.0018
%RSD	.8782	7.791	.1532	2.409	5.935	1.354	.2361
#1	.5284	3.744	1.795	.0412	.3795	1.839	.7708
#2	.5256	3.411	1.801	.0428	.3418	1.827	.7741
#3	.5194	3.211	1.798	.0409	.3795	1.875	.7738
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	

Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.5619	.5898
SDev	.0011	.0024
%RSD	.2036	.4071
#1	.5608	.5871
#2	.5618	.5915
#3	.5631	.5909
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ002L 1/5 SK Operator:
Run Time: 08/05/91 21:10:17 08/05/91
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.459	.0125	.0192	.0703	.0004	.0022	4.278
SDev	.012	.0059	.0080	.0002	.0000	.0003	.038
%RSD	.1587	46.71	41.78	.2714	10.88	11.32	.8796
#1	7.463	.0174	.0146	.0702	.0004	.0020	4.307
#2	7.468	.0060	.0284	.0705	.0004	.0022	4.292
#3	7.445	.0142	.0146	.0701	.0004	.0025	4.236
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	.0052	.0080	12.31	.0095	1.573	.4439
SDev	.0001	.0010	.0006	.07	.0014	.007	.0023
%RSD	.9034	19.12	7.342	.5475	15.16	.4211	.5154
#1	.0132	.0060	.0086	12.37	.0079	1.565	.4448
#2	.0130	.0041	.0074	12.33	.0108	1.579	.4456
#3	.0132	.0056	.0080	12.24	.0098	1.574	.4413
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0194	.8324	.0087	.0025	.1406	.0215	.2072
SDev	.0033	.0974	.0154	.0015	.0000	.0042	.0018
%RSD	17.10	11.71	178.3	59.76	.0000	19.59	.8634
#1	.0209	.7199	.0236	.0035	.1406	.0173	.2070

#2	.0217	.8886	-.0072	.0032	.1406	.0216	.2092
#3	.0156	.8886	.0096	.0008	.1406	.0257	.2056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.0195	.0593
SDev	.0005	.0002
%RSD	2.789	.2766
#1	.0192	.0592
#2	.0192	.0595
#3	.0201	.0593
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ003 Operator:
Run Time: 08/05/91 21:14:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.16	.0128	.0144	.2116	.0011	.0031	38.96
SDev	.11	.0091	.0092	.0010	.0001	.0008	.26
%RSD	.5568	71.18	64.31	.4713	6.395	27.11	.6756
#1	19.04	.0142	.0251	.2104	.0012	.0027	38.68
#2	19.21	.0031	.0090	.2121	.0010	.0040	39.00
#3	19.23	.0211	.0090	.2122	.0011	.0025	39.20
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0469	.0175	.0351	42.36	.0570	13.61	.8993
SDev	.0001	.0007	.0007	.29	.0044	.06	.0062
%RSD	.2192	4.174	1.961	.6953	7.749	.4310	.6896
#1	.0469	.0175	.0355	42.03	.0597	13.54	.8926
#2	.0468	.0168	.0343	42.43	.0519	13.64	.9005
#3	.0470	.0183	.0355	42.61	.0594	13.65	.9049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150
Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	.0432	2.582	.0053	-.0011	.3921	.0088	.7190
SDev	.0075	.037	.0191	.0005	.0000	.0129	.0026
%RSD	17.26	1.436	359.7	48.19	.0000	147.6	.3674
#1	.0517	2.542	-.0127	-.0005	.3921	-.0053	.7160
#2	.0377	2.588	.0253	-.0015	.3921	.0201	.7201
#3	.0401	2.615	.0033	-.0015	.3921	.0116	.7209
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0538	.1486
SDev	.0003	.0012
%RSD	.5758	.7864
#1	.0538	.1486
#2	.0542	.1474
#3	.0535	.1497
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: CCV Operator:
Run Time: 08/05/91 21:19:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.60	5.165	5.186	5.008	1.015	1.051	52.29
SDev	.07	.011	.011	.015	.001	.002	.08
%RSD	.1325	.2059	.2211	.2995	.1400	.1950	.1466
#1	50.62	5.156	5.176	5.004	1.015	1.053	52.38
#2	50.52	5.161	5.198	4.995	1.013	1.052	52.24
#3	50.65	5.177	5.184	5.024	1.016	1.049	52.26
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.185	5.179	4.980	51.57	5.208	50.63	5.176
SDev	.005	.008	.012	.04	.021	.09	.004
%RSD	.0975	.1640	.2386	.0768	.3949	.1854	.0864
#1	5.190	5.188	4.978	51.60	5.230	50.63	5.180
#2	5.180	5.174	4.970	51.53	5.189	50.54	5.171
#3	5.185	5.174	4.993	51.59	5.206	50.73	5.178
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000
Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.228	50.21	5.022	1.027	49.79	5.003	5.078
SDev	.023	.11	.012	.002	.22	.051	.009
%RSD	.4432	.2161	.2468	.1581	.4404	1.010	.1814
#1	5.252	50.30	5.036	1.027	49.85	4.946	5.078
#2	5.225	50.09	5.018	1.025	49.97	5.025	5.070
#3	5.206	50.23	5.011	1.028	49.54	5.039	5.088
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.133	5.187
SDev	.006	.003
%RSD	.1078	.0636
#1	5.135	5.191
#2	5.127	5.186
#3	5.138	5.185
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/05/91 21:23:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0460	-.0045	.0071	.0006	.0001	.0024	.0621
SDev	.0106	.0079	.0259	.0001	.0000	.0017	.0063
%RSD	23.12	174.0	363.8	22.00	2.070	73.34	10.24
#1	.0341	.0046	.0370	.0004	.0001	.0006	.0549
#2	.0545	-.0088	-.0078	.0007	.0001	.0040	.0645
#3	.0494	-.0094	-.0078	.0007	.0001	.0025	.0669
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0015	.0010	.0262	.0040	.0583	.0011
SDev	.0007	.0013	.0007	.0040	.0104	.0152	.0002
%RSD	49.34	85.68	69.88	15.09	259.3	26.11	21.35

#1	.0006	.0001	.0006	.0223	-.0070	.0414	.0010
#2	.0019	.0016	.0006	.0262	.0053	.0626	.0010
#3	.0019	.0027	.0017	.0302	.0137	.0708	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.1534	.0144	.0013	-.0103	-.0013	-.0021
SDev	.0037	.2122	.0126	.0002	.0000	.0169	.0006
%RSD	112.9	138.4	87.39	13.48	.0000	1291.	30.47
#1	.0037	-.0427	.0071	.0012	-.0103	-.0058	-.0013
#2	-.0006	.3787	.0289	.0015	-.0103	-.0155	-.0024
#3	.0068	.1242	.0071	.0012	-.0103	.0174	-.0024
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0005	.0014
SDev	.0005	.0008
%RSD	94.48	54.25
#1	-.0004	.0006
#2	-.0001	.0021
#3	-.0010	.0015
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ004 Operator:
Run Time: 08/05/91 21:27:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	31.30	.0031	.0421	.3716	.0019	.0031	62.85
SDev	.01	.0213	.0304	.0010	.0000	.0014	.28
%RSD	.0284	695.2	72.38	.2653	.1619	45.16	.4412
#1	31.30	-.0215	.0431	.3725	.0019	.0033	62.55
#2	31.30	.0140	.0719	.3719	.0019	.0016	62.91
#3	31.29	.0166	.0111	.3706	.0019	.0044	63.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0544	.0234	.0312	61.01	.0493	18.27	1.235
SDev	.0005	.0014	.0006	.18	.0050	.03	.004
%RSD	.8521	5.811	1.908	.2911	10.10	.1462	.3256
#1	.0540	.0234	.0312	60.80	.0549	18.29	1.230
#2	.0549	.0248	.0318	61.08	.0474	18.27	1.235
#3	.0544	.0221	.0306	61.14	.0455	18.24	1.238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0517	4.348	-.0037	-.0009	.4319	.0221	.9019
SDev	.0067	.181	.0275	.0015	.0181	.0295	.0012
%RSD	13.02	4.156	737.3	160.1	4.202	133.4	.1371
#1	.0530	4.391	-.0051	-.0021	.4424	.0264	.9018
#2	.0577	4.504	.0244	-.0014	.4424	.0492	.9032
#3	.0444	4.150	-.0305	.0007	.4109	-.0093	.9007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0800	.1986
SDev	.0005	.0016
%RSD	.6232	.8201
#1	.0796	.1969
#2	.0806	.1986
#3	.0799	.2002
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ005 Operator:
Run Time: 08/05/91 21:32:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	28.13	.0152	.0570	.4067	.0004	.0012	22.61
SDev	.06	.0076	.0214	.0010	.0000	.0014	.08
%RSD	.2022	49.71	37.56	.2387	10.63	115.2	.3318
#1	28.12	.0168	.0790	.4073	.0004	.0007	22.53
#2	28.08	.0218	.0555	.4056	.0004	.0027	22.61
#3	28.19	.0070	.0363	.4073	.0004	.0001	22.68

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0445	.0107	.0400	114.5	.1543	5.219	.2066
SDev	.0009	.0011	.0003	.4	.0028	.013	.0014
%RSD	2.119	10.72	.8662	.3421	1.813	.2481	.6542
#1	.0443	.0095	.0404	114.1	.1528	5.204	.2051
#2	.0455	.0109	.0398	114.4	.1576	5.224	.2069
#3	.0437	.0117	.0398	114.9	.1526	5.229	.2078

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0275	4.437	.0153	-.0005	.8175	.0050	1.064
SDev	.0039	.117	.0218	.0008	.0145	.0177	.003
%RSD	14.05	2.628	142.6	157.7	1.776	354.6	.2759
#1	.0232	4.396	.0194	-.0012	.8259	.0040	1.063
#2	.0306	4.568	.0347	.0004	.8007	.0232	1.062
#3	.0288	4.346	-.0083	-.0008	.8259	-.0122	1.068

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1014	.1356
SDev	.0005	.0006
%RSD	.5351	.4340
#1	.1011	.1350
#2	.1021	.1361
#3	.1012	.1358

Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ006 Operator:
Run Time: 08/05/91 21:36:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	46.90	.0184	.0482	.7381	.0007	.0010	24.37
SDev	.17	.0062	.0146	.0026	.0000	.0017	.08
%RSD	.3650	33.54	30.26	.3467	.4372	170.8	.3377

#1	46.71	.0115	.0457	.7354	.0007	.0028	24.28
#2	46.96	.0234	.0350	.7383	.0007	.0009	24.40
#3	47.04	.0202	.0638	.7405	.0007	-.0007	24.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0691	.0147	.0725	158.8	.0811	7.221	.3693
SDev	.0021	.0002	.0010	.6	.0152	.019	.0007
%RSD	2.982	1.501	1.433	.3625	18.70	.2695	.1951
#1	.0699	.0146	.0719	158.1	.0821	7.199	.3685
#2	.0707	.0146	.0737	159.0	.0958	7.237	.3699
#3	.0668	.0150	.0719	159.2	.0655	7.227	.3695
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0415	5.878	.0017	-.0001	.6037	.0041	1.044
SDev	.0040	.072	.0041	.0010	.0181	.0166	.004
%RSD	9.564	1.224	241.2	871.2	3.006	400.9	.3834
#1	.0455	5.926	.0033	.0006	.5933	.0038	1.040
#2	.0376	5.912	.0048	.0003	.6247	.0209	1.043
#3	.0415	5.795	-.0030	-.0013	.5933	-.0123	1.048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.1192	.2034
SDev	.0005	.0013
%RSD	.4323	.6567
#1	.1190	.2019
#2	.1188	.2042
#3	.1198	.2042
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ007 Operator:
Run Time: 08/05/91 21:40:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	43.32	.0076	.0220	.4933	.0020	.0014	16.83
SDev	.09	.0175	.0095	.0008	.0001	.0011	.05
%RSD	.2153	228.9	43.16	.1601	3.899	81.53	.2935
#1	43.23	.0040	.0295	.4928	.0019	.0006	16.78
#2	43.33	.0266	.0113	.4929	.0020	.0009	16.86
#3	43.42	-.0077	.0252	.4942	.0021	.0027	16.87
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0625	.0291	.0339	61.76	.0579	7.501	2.928
SDev	.0008	.0008	.0003	.15	.0081	.016	.006
%RSD	1.247	2.896	1.011	.2466	14.09	.2149	.1932
#1	.0619	.0291	.0335	61.59	.0533	7.487	2.922
#2	.0633	.0299	.0341	61.80	.0673	7.496	2.929
#3	.0621	.0282	.0341	61.89	.0531	7.519	2.933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0566	4.299	-.0055	-.0009	.3313	.0195	1.085
SDev	.0054	.098	.0114	.0011	.0181	.0093	.002
%RSD	9.631	2.269	207.4	121.5	5.478	47.53	.2046
#1	.0563	4.216	-.0184	-.0010	.3418	.0259	1.083
#2	.0622	4.406	.0033	.0002	.3418	.0089	1.084
#3	.0513	4.275	-.0015	-.0020	.3104	.0238	1.087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1056	.1725
SDev	.0003	.0009
%RSD	.2965	.5509
#1	.1056	.1718
#2	.1059	.1721
#3	.1053	.1736
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ008 Operator:
Run Time: 08/05/91 21:45:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	57.40	.0161	.0196	.6555	.0025	.0031	21.52
SDev	.13	.0095	.0179	.0016	.0001	.0022	.06
%RSD	.2306	58.94	91.63	.2415	2.848	71.18	.2981
#1	57.26	.0252	.0391	.6538	.0025	.0044	21.45
#2	57.44	.0063	.0157	.6558	.0026	.0044	21.52
#3	57.52	.0168	.0039	.6570	.0025	.0006	21.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0740	.0335	.0436	75.92	.0459	10.61	4.319
SDev	.0006	.0002	.0000	.21	.0066	.03	.013
%RSD	.8468	.6138	.0043	.2748	14.27	.2422	.2937
#1	.0744	.0333	.0436	75.70	.0454	10.58	4.305
#2	.0743	.0337	.0436	75.95	.0396	10.62	4.322
#3	.0733	.0335	.0436	76.11	.0526	10.63	4.330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0690	4.603	.0049	-.0004	.3816	.0245	.9834
SDev	.0055	.095	.0219	.0005	.0096	.0247	.0026
%RSD	7.999	2.062	450.8	129.0	2.517	101.0	.2593
#1	.0729	4.581	-.0180	.0000	.3732	.0344	.9822
#2	.0627	4.708	.0257	-.0009	.3795	.0427	.9817
#3	.0713	4.522	.0070	-.0003	.3921	-.0037	.9863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.1268	.2108
SDev	.0012	.0015
%RSD	.9132	.6976
#1	.1258	.2094
#2	.1281	.2106
#3	.1265	.2124
Errors	LC Pass	LC Pass

High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ009 Operator:
Run Time: 08/05/91 21:49:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	57.82	.0131	.0054	.8928	.0027	.0035	28.04
SDev	.05	.0111	.0081	.0005	.0000	.0022	.09
%RSD	.0911	84.15	148.7	.0517	1.404	61.16	.3369
#1	57.78	.0131	.0019	.8924	.0026	.0057	27.93
#2	57.88	.0021	-.0003	.8928	.0027	.0037	28.06
#3	57.81	.0242	.0147	.8933	.0027	.0013	28.12
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0726	.0392	.0454	84.33	.0495	11.49	5.403
SDev	.0012	.0019	.0010	.21	.0155	.01	.015
%RSD	1.689	4.731	2.279	.2545	31.38	.0833	.2739
#1	.0712	.0371	.0448	84.08	.0411	11.48	5.386
#2	.0730	.0398	.0448	84.41	.0400	11.50	5.408
#3	.0736	.0406	.0466	84.49	.0674	11.50	5.415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0683	4.165	-.0089	-.0007	.3648	.0128	.8846
SDev	.0046	.155	.0171	.0013	.0202	.0227	.0014
%RSD	6.728	3.723	191.6	194.4	5.539	178.0	.1591
#1	.0631	3.996	-.0117	-.0022	.3732	.0390	.8834
#2	.0719	4.200	-.0244	.0004	.3795	.0007	.8843
#3	.0698	4.300	.0094	-.0002	.3418	-.0014	.8862
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1324	.2544
SDev	.0002	.0008
%RSD	.1569	.3231

#1	.1322	.2534
#2	.1325	.2548
#3	.1326	.2548
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ010 Operator:
Run Time: 08/05/91 21:53:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.17	.0162	.0109	.2268	.0012	.0030	61.17
SDev	.09	.0078	.0099	.0013	.0001	.0011	.27
%RSD	.3573	48.10	91.25	.5757	6.812	36.32	.4352
#1	25.06	.0252	.0176	.2259	.0012	.0023	60.89
#2	25.21	.0122	.0155	.2283	.0011	.0024	61.21
#3	25.23	.0113	-.0005	.2262	.0011	.0042	61.41
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0433	.0199	.0267	43.81	.0633	9.803	1.439
SDev	.0008	.0003	.0009	.18	.0040	.041	.007
%RSD	1.855	1.786	3.415	.4094	6.390	.4141	.4762
#1	.0443	.0197	.0277	43.61	.0678	9.757	1.432
#2	.0428	.0197	.0265	43.89	.0601	9.820	1.440
#3	.0429	.0203	.0259	43.95	.0619	9.832	1.445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0432	3.029	-.0134	-.0012	.2705	.0085	1.038
SDev	.0069	.220	.0041	.0006	.0181	.0169	.005
%RSD	15.99	7.279	30.43	53.74	6.709	198.3	.4498
#1	.0353	3.262	-.0087	-.0012	.2915	-.0076	1.033
#2	.0460	2.823	-.0158	-.0018	.2601	.0070	1.042
#3	.0483	3.002	-.0158	-.0005	.2601	.0262	1.040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V 2924	Zn2138

Units	ppm	ppm
Avge	.0705	.1300
SDev	.0002	.0008
%RSD	.2427	.5886
#1	.0706	.1297
#2	.0706	.1294
#3	.0703	.1308
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: CRT Operator:
Run Time: 08/05/91 21:58:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0743	.1303	-.0072	.0004	.0110	.0161	.0685
SDev	.0044	.0125	.0006	.0000	.0000	.0006	.0048
%RSD	5.978	9.617	8.558	.0023	.0429	3.655	6.983
#1	.0718	.1357	-.0068	.0004	.0110	.0168	.0732
#2	.0718	.1392	-.0068	.0004	.0110	.0158	.0637
#3	.0795	.1160	-.0079	.0004	.0110	.0158	.0684
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0216	.1077	.0509	.0235	.0355	.0387	.0347
SDev	.0011	.0008	.0006	.0014	.0050	.0084	.0000
%RSD	5.002	.7036	1.175	6.013	14.04	21.72	.0008
#1	.0227	.1075	.0515	.0243	.0412	.0316	.0347
#2	.0216	.1086	.0509	.0243	.0336	.0479	.0347
#3	.0205	.1071	.0503	.0219	.0318	.0365	.0347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0893	.1361	.0088	.0206	.1029	-.0051	-.0037
SDev	.0047	.1700	.0231	.0008	.0000	.0131	.0003
%RSD	5.323	124.9	262.5	3.983	.0000	258.2	8.504
#1	.0911	.2880	.0265	.0197	.1029	.0036	-.0041
#2	.0839	.1678	.0172	.0212	.1029	.0013	-.0035
#3	.0929	-.0475	-.0173	.0209	.1029	-.0202	-.0035

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1025	.0449
SDev	.0008	.0003
%RSD	.7808	.7357
#1	.1033	.0447
#2	.1017	.0447
#3	.1026	.0453

Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: TCSA Operator:
Run Time: 08/05/91 22:02:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	544.3	.0439	.0354	.0110	.0001	.0041	551.2
SDev	.1	.0135	.0296	.0001	.0000	.0018	.9
%RSD	.0271	30.84	83.46	1.097	54.29	44.86	.1615
#1	544.3	.0407	.0013	.0108	.0001	.0060	550.2
#2	544.1	.0587	.0525	.0111	.0001	.0039	551.6
#3	544.4	.0322	.0525	.0110	.0000	.0023	551.9

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	.0045	.0160	213.2	-.0044	519.1	.0344
SDev	.0014	.0003	.0007	.3	.0148	.2	.0007
%RSD	16.81	7.382	4.269	.1318	337.0	.0297	2.146
#1	.0082	.0048	.0156	212.9	-.0214	519.1	.0340
#2	.0066	.0042	.0156	213.3	.0034	518.9	.0353
#3	.0093	.0044	.0168	213.4	.0049	519.2	.0340

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	-.0180	-.0710	-.0035	1.796	.1712	.0040
SDev	.0008	.1453	.0141	.0009	.007	.0161	.0011
%RSD	29.78	808.0	19.93	23.99	.4040	9.394	28.09

#1	.0034	-.1467	-.0856	-.0045	1.787	.1858	.0037
#2	.0018	-.0469	-.0573	-.0032	1.800	.1540	.0053
#3	.0028	.1396	-.0701	-.0029	1.800	.1738	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0047	.2169
SDev	.0004	.0005
%RSD	7.609	.2158
#1	-.0046	.2174
#2	-.0052	.2168
#3	-.0045	.2165
Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: TCSAB Operator:
Run Time: 08/05/91 22:06:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	537.7	.0219	-.0001	.4581	.4807	.9795	543.6
SDev	1.5	.0087	.0264	.0011	.0009	.0016	1.4
%RSD	.2736	39.64	52210.	.2407	.1911	.1684	.2544
#1	536.3	.0134	.0071	.4570	.4798	.9800	542.0
#2	539.2	.0217	.0220	.4592	.4816	.9808	544.5
#3	537.7	.0307	-.0292	.4582	.4808	.9776	544.4
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5			.6024	.5760	1.088	604.4
Low	429.2			.4016	.3840	.7256	409.8

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5008	.4518	.5192	210.5	4.634	513.9	.4834
SDev	.0014	.0020	.0014	.5	.030	1.3	.0015
%RSD	.2798	.4384	.2722	.2403	.6504	.2623	.3204
#1	.4992	.4511	.5184	209.9	4.600	512.4	.4816
#2	.5015	.4540	.5208	210.9	4.648	515.1	.4843
#3	.5016	.4502	.5184	210.7	4.655	514.0	.4843
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.6348	.5724	.6516	239.8	5.669	601.1	.5952
Low	.4232	.3816	.4344	159.9	3.779	422.0	.3968

Elem	Ni2316	K 7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8719	-.1598	.0162	.9528	1.762	.1384	.0037
SDev	.0124	.1495	.0406	.0021	.022	.0308	.0000
%RSD	1.421	93.58	250.1	.2234	1.235	22.26	.0320
#1	.8844	-.0037	.0366	.9506	1.787	.1532	.0037
#2	.8597	-.3017	.0427	.9549	1.750	.1590	.0037
#3	.8716	-.1740	-.0305	.9529	1.750	.1030	.0037
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1.128			1.152			
Low	.7520			.7680			

Elem	V 2924	Zn2138
Units	ppm	ppm
Avge	.4572	1.238
SDev	.0015	.003
%RSD	.3202	.2454
#1	.4555	1.235
#2	.4582	1.239
#3	.4578	1.240
Errors	LC Pass	LC Pass
High	.6108	1.450
Low	.4072	.9664

Method: CLP Sample Name: CCV Operator:
Run Time: 08/05/91 22:11:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.46	5.203	5.153	5.011	1.016	1.053	52.36
SDev	.09	.013	.057	.009	.001	.002	.06
%RSD	.1738	.2528	1.099	.1732	.1458	.2299	.1202
#1	50.37	5.194	5.091	5.008	1.015	1.050	52.32
#2	50.45	5.218	5.203	5.004	1.015	1.053	52.34
#3	50.55	5.196	5.165	5.021	1.018	1.055	52.43
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.201	5.188	4.988	51.66	5.225	50.66	5.195
SDev	.006	.009	.006	.06	.027	.08	.010
%RSD	.1167	.1645	.1284	.1116	.5151	.1488	.1910
#1	5.205	5.181	4.984	51.63	5.199	50.63	5.189
#2	5.194	5.186	4.984	51.62	5.252	50.61	5.190
#3	5.205	5.198	4.995	51.72	5.223	50.75	5.206

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.219	50.32	5.060	1.029	49.32	5.105	5.084
SDev	.019	.14	.024	.002	.10	.018	.010
%RSD	.3633	.2740	.4647	.1743	.2001	.3525	.1946
#1	5.202	50.18	5.038	1.029	49.22	5.087	5.077
#2	5.217	50.46	5.085	1.028	49.42	5.105	5.078
#3	5.239	50.32	5.057	1.031	49.33	5.123	5.095
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.144	5.201
SDev	.011	.010
%RSD	.2065	.1840
#1	5.136	5.191
#2	5.141	5.201
#3	5.156	5.211
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/05/91 22:15:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0452	.0105	.0107	.0007	.0002	.0028	.0660
SDev	.0106	.0047	.0108	.0001	.0000	.0005	.0130
%RSD	23.53	44.96	101.2	9.287	24.62	17.92	19.68
#1	.0418	.0075	.0231	.0007	.0001	.0029	.0810
#2	.0366	.0159	.0050	.0007	.0001	.0033	.0574
#3	.0571	.0081	.0039	.0008	.0002	.0023	.0598
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0011	.0006	.0226	.0093	.0517	.0010
SDev	.0008	.0023	.0000	.0055	.0123	.0081	.0004

%RSD	105.7	207.8	.0569	24.25	131.0	15.61	42.01
#1	.0002	-.0015	.0006	.0170	.0213	.0479	.0006
#2	.0004	.0020	.0006	.0229	-.0032	.0463	.0010
#3	.0018	.0029	.0006	.0279	.0100	.0610	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.1598	.0185	.0018	-.0103	-.0019	-.0020
SDev	.0021	.1814	.0103	.0005	.0314	.0171	.0010
%RSD	97.66	113.5	55.82	29.14	304.7	887.0	52.25
#1	-.0001	.3596	.0273	.0012	-.0103	.0045	-.0008
#2	.0025	.0054	.0212	.0021	-.0418	.0110	-.0024
#3	.0041	.1144	.0071	.0021	.0211	-.0213	-.0027
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0002	.0020					
SDev	.0000	.0004					
%RSD	.3221	22.48					
#1	.0002	.0015					
#2	.0002	.0021					
#3	.0002	.0024					
Errors	LC Pass	LC Pass					
High	.0500	.0200					
Low	-.0500	-.0200					

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	TCV	CLP	CLP	08/05/91	20:04		Q	CONC
2	TCB	CLP	CLP	08/05/91	20:09		B	CONC
3	CRT	CLP	CLP	08/05/91	20:13		B	CONC
4	TCSA	CLP	CLP	08/05/91	20:17		B	CONC
5	TCSAB	CLP	CLP	08/05/91	20:22		B	CONC
6	CCV	CLP	CLP	08/05/91	20:26		Q	CONC
7	CCB	CLP	CLP	08/05/91	20:30		B	CONC
8	PBS-MGJ001	CLP	CLP	08/05/91	20:35		S	CONC
9	LCSS-MGJ001	CLP	CLP	08/05/91	20:39		S	CONC
10	LCSS-MGJ001	CLP	CLP	08/05/91	20:44		S	CONC
11	LCSS-MGJ001	CLP	CLP	08/05/91	20:48		S	CONC
12	MGJ001	CLP	CLP	08/05/91	20:52		S	CONC
13	MGJ002	CLP	CLP	08/05/91	20:57		S	CONC
14	MGJ002D	CLP	CLP	08/05/91	21:01		S	CONC
15	MGJ002S	CLP	CLP	08/05/91	21:05		S	CONC
16	MGJ002L	CLP	CLP	08/05/91	21:10		S	CONC
17	MGJ003	CLP	CLP	08/05/91	21:14		S	CONC
18	CCV	CLP	CLP	08/05/91	21:19		Q	CONC
19	CCB	CLP	CLP	08/05/91	21:23		B	CONC
20	MGJ004	CLP	CLP	08/05/91	21:27		S	CONC
21	MGJ005	CLP	CLP	08/05/91	21:32		S	CONC
22	MGJ006	CLP	CLP	08/05/91	21:36		S	CONC
23	MGJ007	CLP	CLP	08/05/91	21:40		S	CONC
24	MGJ008	CLP	CLP	08/05/91	21:45		S	CONC
25	MGJ009	CLP	CLP	08/05/91	21:49		S	CONC
26	MGJ010	CLP	CLP	08/05/91	21:53		S	CONC
27	CRT	CLP	CLP	08/05/91	21:58		B	CONC
28	TCSA	CLP	CLP	08/05/91	22:02		B	CONC
29	TCSAB	CLP	CLP	08/05/91	22:06		B	CONC
30	CCV	CLP	CLP	08/05/91	22:11		Q	CONC
31	CCB	CLP	CLP	08/05/91	22:15		B	CONC

#	Sample Name	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288
1	ICV	2.029	1.058	-.0006	2.010	.5058	.5139
2	ICB	.0197	.0046	-.0007	.0002	.0000	.0025
3	CRT	.0633	.1426	.0006	.0003	.0106	.0136
4	ICSA	540.9	.0112	.0138	.0110	.0001	.0037
5	ICSAB	534.6	.0398	.0060	.4572	.4728	.9546
6	CCV	50.62	5.121	5.147	5.054	1.008	1.029
7	CCB	.0324	.0151	.0114	.0002	.0001	.0024
8	PBS-MGJ001	.0469	.0042	.0124	.0004	.0000	.0012
9	LCSS-MGJ001	1.916	1.166	4.883	.0235	.0896	.2057
10	LCSS-MGJ001	1.055	.6623	2.670	.0134	.0492	.1168
11	LCSS-MGJ001	.4400	.2784	1.142	.0044	.0213	.0500
12	MGJ001	14.57	.0030	.0137	.1652	.0008	.0007
13	MGJ002	34.07	.0016	.0166	.3458	.0014	.0025
14	MGJ002D	32.38	.0025	.0133	.3556	.0015	.0020
15	MGJ002S	39.75	.3374	1.824	2.758	.0470	.0464
16	MGJ002L	7.459	.0125	.0192	.0703	.0004	.0022
17	MGJ003	19.16	.0128	.0144	.2116	.0011	.0031
18	CCV	50.60	5.165	5.186	5.008	1.015	1.051
19	CCB	.0460	-.0045	.0071	.0006	.0001	.0024
20	MGJ004	31.30	.0031	.0420	.3716	.0019	.0031
21	MGJ005	28.13	.0152	.0570	.4067	.0004	.0012
22	MGJ006	46.90	.0184	.0482	.7381	.0007	.0010
23	MGJ007	43.32	.0076	.0220	.4933	.0020	.0014
24	MGJ008	57.40	.0161	.0196	.6555	.0025	.0031
25	MGJ009	57.82	.0131	.0054	.8928	.0027	.0035
26	MGJ010	25.17	.0162	.0109	.2268	.0012	.0030
27	CRT	.0743	.1303	-.0072	.0004	.0110	.0161
28	ICSA	544.3	.0439	.0354	.0110	.0001	.0041
29	ICSAB	537.7	.0219	-.0001	.4581	.4807	.9795
30	CCV	50.46	5.203	5.153	5.011	1.016	1.053
31	CCB	.0452	.0105	.0107	.0007	.0002	.0028

#	Sample Name	Ca3706	Cr2677	Co2286	Cu3247	Fe2599	Pb2203
1	ICV	51.37	.5094	.5068	.4982	2.018	5.195
2	ICB	.0325	.0003	.0013	.0015	-.0006	.0119
3	CRT	.0578	.0224	.1030	.0515	.0145	.0424
4	ICSA	536.6	.0063	.0043	.0152	208.3	-.0217
5	ICSAB	531.1	.4910	.4427	.5188	206.4	4.529
6	CCV	51.47	5.117	5.110	5.030	51.13	5.135
7	CCB	.0388	.0003	.0013	.0010	.0124	.0072
8	PBS-MGJ001	.0973	.0033	.0008	.0019	.0218	.0078
9	LCSS-MGJ001	H995.9	.4650	.6796	H35.25	111.3	1.052
10	LCSS-MGJ001	517.9	.2604	.3811	H18.06	60.39	.5933
11	LCSS-MGJ001	213.3	.1140	.1659	7.351	25.76	.2725
12	MGJ001	10.22	.0325	.0138	.0152	39.59	.0145
13	MGJ002	18.58	.0608	.0214	.0258	55.99	.0348
14	MGJ002D	13.96	.0476	.0172	.0257	58.01	.0241
15	MGJ002S	14.38	.2413	.5227	.2492	66.89	.5017
16	MGJ002L	4.278	.0132	.0052	.0080	12.31	.0095
17	MGJ003	38.96	.0469	.0175	.0351	42.36	.0570
18	CCV	52.29	5.185	5.179	4.980	51.57	5.208

#	Sample Name	Ca3706	Cr2677	Co2286	Cu3247	Fe2599	Pb2203
19	CCB	.0621	.0014	.0015	.0010	.0262	.0040
20	MGJ004	62.85	.0544	.0234	.0312	61.01	.0493
21	MGJ005	22.61	.0445	.0107	.0400	114.5	.1543
22	MGJ006	24.37	.0691	.0147	.0725	158.8	.0811
23	MGJ007	16.83	.0625	.0291	.0339	61.76	.0579
24	MGJ008	21.52	.0740	.0335	.0436	75.92	.0459
25	MGJ009	28.04	.0726	.0392	.0454	84.33	.0495
26	MGJ010	61.17	.0433	.0199	.0267	43.81	.0633
27	CRT	.0685	.0216	.1077	.0509	.0235	.0355
28	TCSA	551.2	.0080	.0045	.0160	213.2	-.0044
29	TCSAB	543.6	.5008	.4518	.5192	210.5	4.634
30	CCV	52.36	5.201	5.188	4.988	51.66	5.225
31	CCB	.0660	.0008	.0011	.0006	.0226	.0093

#	Sample Name	Mg3832	Mn2576	Ni2316	K 7664	Se1960	Ag3280
1	TCV	25.59	.5021	.5020	51.64	.0192	.5107
2	TCB	.0141	.0004	.0001	.2554	.0031	.0016
3	CRT	.0157	.0321	.0864	.0119	.0092	.0209
4	TCSA	515.0	.0332	-.0026	-.0869	-.0030	-.0027
5	TCSAB	509.6	.4734	.8619	-.0478	-.0243	.9407
6	CCV	50.69	5.119	5.140	50.71	4.986	1.023
7	CCB	.0184	.0007	.0005	.1774	.0319	.0005
8	PBS-MGJ001	.0261	.0006	.0007	.2042	.0231	.0001
9	LCSS-MGJ001	558.9	.9756	.2566	.4831	.1879	.1018
10	LCSS-MGJ001	294.7	.5364	.1465	.2987	.1198	.0558
11	LCSS-MGJ001	122.1	.2306	.0685	.1743	.0346	.0236
12	MGJ001	4.085	.8363	.0298	2.335	.0029	-.0007
13	MGJ002	7.219	2.007	.0523	3.111	-.0198	.0003
14	MGJ002D	5.828	1.537	.0417	3.107	.0243	-.0013
15	MGJ002S	8.307	10.87	.5245	3.455	1.798	.0416
16	MGJ002L	1.573	.4439	.0194	.8324	.0087	.0025
17	MGJ003	13.61	.8993	.0432	2.582	.0053	-.0011
18	CCV	50.63	5.176	5.228	50.21	5.022	1.027
19	CCB	.0583	.0011	.0033	.1534	.0144	.0013
20	MGJ004	18.27	1.235	.0517	4.348	-.0037	-.0009
21	MGJ005	5.219	.2066	.0275	4.437	.0153	-.0005
22	MGJ006	7.221	.3693	.0415	5.878	.0017	-.0001
23	MGJ007	7.501	2.928	.0566	4.299	-.0055	-.0009
24	MGJ008	10.61	4.319	.0690	4.603	.0049	-.0004
25	MGJ009	11.49	5.403	.0683	4.165	-.0089	-.0007
26	MGJ010	9.803	1.439	.0432	3.029	-.0134	-.0012
27	CRT	.0387	.0347	.0893	.1361	.0088	.0206
28	TCSA	519.1	.0344	.0026	-.0180	-.0710	-.0035
29	TCSAB	513.9	.4834	.8719	-.1598	.0162	.9528
30	CCV	50.66	5.195	5.219	50.32	5.060	1.029
31	CCB	.0517	.0010	.0022	.1598	.0185	.0018

#	Sample Name	Na5895	Tl1908	Ti3372	V_2924	Zn2138
1	ICV	51.69	.0199	.0033	.4943	3.335
2	ICB	-.0061	-.0026	.0003	.0002	.0014
3	CRT	.1133	-.0110	.0004	.1002	.0433
4	ICSA	1.796	.2347	.0075	-.0058	.2138
5	ICSAB	1.794	.1785	.0067	.4507	1.209
6	CCV	50.33	4.919	5.083	5.106	5.119
7	CCB	-.0040	.0092	.0005	.0001	.0018
8	PBS-MGJ001	.1175	-.0004	.0025	-.0003	.0107
9	LCSS-MGJ001	.3334	.3478	.0895	.3093	.8566
10	LCSS-MGJ001	.1909	.2161	.0448	.1670	.5014
11	LCSS-MGJ001	.0777	.1106	.0146	.0716	.2421
12	MGJ001	.2768	.0199	.5362	.0478	.0693
13	MGJ002	.6687	.0080	1.017	.0908	.1163
14	MGJ002D	.2915	.0046	.7618	.0824	.1218
15	MGJ002S	.3669	1.847	.7729	.5619	.5898
16	MGJ002L	.1406	.0215	.2072	.0195	.0593
17	MGJ003	.3921	.0088	.7190	.0538	.1486
18	CCV	49.79	5.003	5.078	5.133	5.187
19	CCB	-.0103	-.0013	-.0021	-.0005	.0014
20	MGJ004	.4319	.0221	.9019	.0800	.1986
21	MGJ005	.8175	.0050	1.064	.1014	.1356
22	MGJ006	.6037	.0041	1.044	.1192	.2034
23	MGJ007	.3313	.0195	1.085	.1056	.1725
24	MGJ008	.3816	.0245	.9834	.1268	.2108
25	MGJ009	.3648	.0128	.8846	.1324	.2544
26	MGJ010	.2705	.0085	1.038	.0705	.1300
27	CRT	.1029	-.0051	-.0037	.1025	.0449
28	ICSA	1.796	.1712	.0040	-.0047	.2169
29	ICSAB	1.762	.1384	.0037	.4572	1.238
30	CCV	49.32	5.105	5.084	5.144	5.201
31	CCB	-.0103	-.0019	-.0020	.0002	.0020

Betz Labs, Trevose

Wed 08-07-91 04:34:49 PM page 1

Method: CLP Standard Name: STD 1 Operator:
Run Time: 08/07/91 16:31:18 Analyst [illegible] Date 08-07-91
Comment: Supervisor [illegible] Date 08/07/91
Correction Factor: 1 Q A Review [illegible] Date 08/12/91

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	.0030000	.0793333	.0083333	.0000000	.0220000	.0006667	.0116667
SDev	.0030000	.0352184	.0005774	.0010000	.0000000	.0037859	.0065064
%RSD	100.0000	44.39290	6.928198	.0000000	.0000000	567.8909	55.76920
#1	.0060000	.0950000	.0080000	.0000000	.0220000	-.001000	.0120000
#2	.0030000	.1040000	.0090000	-.001000	.0220000	-.002000	.0050000
#3	.0000000	.0390000	.0080000	.0010000	.0220000	.0050000	.0180000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	.0116667	.0043333	.0026667	.0373333	.0120000	.0376667	.0023333
SDev	.0011547	.0005774	.0005774	.0056862	.0020000	.0046188	.0005774
%RSD	9.897435	13.32346	21.65063	15.23100	16.66667	12.26231	24.74358
#1	.0110000	.0040000	.0020000	.0310000	.0140000	.0350000	.0030000
#2	.0130000	.0050000	.0030000	.0420000	.0100000	.0430000	.0020000
#3	.0110000	.0040000	.0030000	.0390000	.0120000	.0350000	.0020000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	-.011333	.3310000	-.001333	.0216667	.0043333	.0020000	-.349333
SDev	.016042	.0517301	.003215	.0015275	.0032146	.0052915	.004163
%RSD	141.5436	15.62842	241.0913	7.050117	74.18193	264.5751	1.191796
#1	-.028000	.3410000	-.005000	.0200000	.0080000	.0000000	-.348000
#2	.0040000	.3770000	.0000000	.0220000	.0030000	-.002000	-.354000
#3	-.010000	.2750000	.0010000	.0230000	.0020000	.0080000	-.346000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	.0010000	.0023333
SDev	.0026458	.0005774
%RSD	264.5751	24.74358
#1	.0040000	.0030000
#2	-.001000	.0020000
#3	.0000000	.0020000
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--

#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 2 Operator:
Run Time: 08/07/91 16:35:15
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	1.671333	1.475000	.3796667	3.475333	1.341667	.1693333	1.740000
SDev	.003055	.027622	.0070946	.006658	.002517	.0025166	.013115
%RSD	.1827928	1.872711	1.868639	.1915901	.1875735	1.486191	.7537257
#1	1.672000	1.478000	.3860000	3.472000	1.339000	.1720000	1.728000
#2	1.674000	1.446000	.3720000	3.483000	1.344000	.1670000	1.738000
#3	1.668000	1.501000	.3810000	3.471000	1.342000	.1690000	1.754000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	4.001000	1.938333	.7283333	28.91633	.4276667	2.668333	.9626667
SDev	.022113	.016166	.0005773	.09509	.0065064	.005033	.0041633
%RSD	.5526959	.8340042	.0792690	.3288483	1.521371	.1886273	.4324795
#1	3.993000	1.921000	.7280000	28.80800	.4340000	2.669000	.9580000
#2	3.984000	1.941000	.7280000	28.95500	.4210000	2.663000	.9640000
#3	4.026000	1.953000	.7290000	28.98600	.4280000	2.673000	.9660000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	2.456333	1.262000	.2900000	.2833333	.5833333	.2076667	1.204333
SDev	.020984	.061555	.0101489	.0061101	.0066583	.0047258	.006807
%RSD	.8542867	4.877564	3.499620	2.156505	1.141429	2.275674	.5651975
#1	2.449000	1.322000	.3010000	.2780000	.5890000	.2040000	1.199000
#2	2.440000	1.199000	.2810000	.2820000	.5850000	.2060000	1.202000
#3	2.480000	1.265000	.2880000	.2900000	.5760000	.2130000	1.212000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	1.318333	1.387333
SDev	.005859	.003055
%RSD	.4444621	.2202121
#1	1.316000	1.384000
#2	1.314000	1.388000
#3	1.325000	1.390000
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 3 Operator:
Run Time: 08/07/91 16:39:12
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	8.347667	7.399667	1.923333	16.76267	6.658667	.8553333	8.720333
SDev	.020599	.059752	.022368	.03092	.008505	.0068068	.016289
%RSD	.2467646	.8074993	1.162988	.1844859	.1277257	.7958112	.1867968
#1	8.326000	7.406000	1.908000	16.72700	6.649000	.8500000	8.709000
#2	8.367000	7.456000	1.949000	16.77900	6.662000	.8530000	8.713000
#3	8.350000	7.337000	1.913000	16.78200	6.665000	.8630000	8.739000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	19.87100	9.677333	3.554000	143.3363	2.157333	13.17067	4.803667
SDev	.03959	.008505	.005291	.2457	.009504	.02702	.008083
%RSD	.1992129	.0878886	.1488880	.1713990	.4405629	.2051865	.1682629
#1	19.83300	9.671000	3.548000	143.0580	2.167000	13.14000	4.795000
#2	19.86800	9.687000	3.558000	143.4280	2.157000	13.19100	4.805000
#3	19.91200	9.674000	3.556000	143.5230	2.148000	13.18100	4.811000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	12.30900	5.214334	1.458333	1.334333	2.905667	1.030333	7.396000
SDev	.09338	.053145	.007234	.003786	.001528	.014640	.013115
%RSD	.7585961	1.019200	.4960576	.2837305	.0525703	1.420914	.1773239
#1	12.24400	5.260000	1.463000	1.330000	2.904000	1.028000	7.382000
#2	12.26700	5.227000	1.450000	1.337000	2.907000	1.046000	7.398000
#3	12.41600	5.156000	1.462000	1.336000	2.906000	1.017000	7.408000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	6.590667	6.971667
SDev	.011846	.011060
%RSD	.1797421	.1586473
#1	6.577000	6.960000
#2	6.598000	6.973000
#3	6.597000	6.982000

Factor	1.000000	1.000000					
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 4 Operator:
Run Time: 08/07/91 16:43:10
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	41.13267	36.27300	9.556333	80.41634	31.91667	4.227000	42.99867
SDev	.20536	.11153	.024379	.48716	.08987	.001000	.01850
%RSD	.4992606	.3074747	.2551054	.6057994	.2815707	.0236614	.0430284
#1	41.34800	36.40000	9.547000	80.95300	32.01600	4.226000	42.99900
#2	41.11100	36.22800	9.584000	80.29400	31.89300	4.228000	43.01700
#3	40.93900	36.19100	9.538000	80.00200	31.84100	4.227000	42.98000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	95.60400	46.37533	17.21867	681.8380	10.38467	64.45834	23.07433
SDev	.07202	.05417	.11511	.9376	.02183	.30221	.02610
%RSD	.0753304	.1168068	.6684970	.1375172	.2101670	.4688477	.1131227
#1	95.68600	46.41100	17.34600	682.7660	10.38900	64.79200	23.09900
#2	95.57500	46.40200	17.18800	681.8570	10.40400	64.38000	23.07700
#3	95.55100	46.31300	17.12200	680.8910	10.36100	64.20300	23.04700
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	58.47133	25.00733	7.222667	6.419667	14.24300	4.996667	37.42367
SDev	.08822	.13346	.048346	.016503	.12486	.011150	.14053
%RSD	.1508734	.5336955	.6693659	.2570630	.8766705	.2231567	.3755178
#1	58.53100	25.15200	7.274000	6.438000	14.37300	4.984000	37.57700
#2	58.51300	24.98100	7.216000	6.415000	14.23200	5.005000	37.39300
#3	58.37000	24.88900	7.178000	6.406000	14.12400	5.001000	37.30100
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	32.10767	33.97233
SDev	.08718	.01380

%RSD	.2715196	.0406067
#1	32.20300	33.98800
#2	32.08800	33.96700
#3	32.03200	33.96200
Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Method: CLP Standard Name: STD 5 Operator:
Run Time: 08/07/91 16:47:07
Comment:
Correction Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Avge	239.1070	.2743333	-.016000	.4130000	.0580000	.0050000	242.3017
SDev	.3239	.0405257	.017059	.0070000	.0020000	.0010000	.2608
%RSD	.1354549	14.77244	106.6170	1.694917	3.448273	20.00000	.1076479
#1	239.1890	.3140000	-.002000	.4210000	.0600000	.0050000	242.0270
#2	238.7500	.2330000	-.011000	.4100000	.0580000	.0040000	242.3320
#3	239.3820	.2760000	-.035000	.4080000	.0560000	.0060000	242.5460
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Avge	-.009000	.2453333	.0403333	1550.823	.6803333	380.5653	158.3153
SDev	.006557	.0060277	.0035119	1.470	.0061101	.5383	.0722
%RSD	72.86043	2.456948	8.707151	.0947792	.8981010	.1414508	.0456240
#1	-.015000	.2390000	.0400000	1549.740	.6790000	380.5310	158.2520
#2	-.010000	.2510000	.0440000	1550.232	.6870000	380.0450	158.3000
#3	-.002000	.2460000	.0370000	1552.496	.6750000	381.1200	158.3940
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Avge	-.126000	.2383333	.0130000	.0196667	.0380000	-.123667	87.53233
SDev	.042036	.0211266	.0320468	.0005774	.0026458	.010786	.11201
%RSD	33.36166	8.864304	246.5141	2.935680	6.962503	8.721669	.1279648
#1	-.139000	.2160000	.0110000	.0200000	.0400000	-.136000	87.51500
#2	-.160000	.2580000	.0460000	.0190000	.0390000	-.119000	87.43000
#3	-.079000	.2410000	-.018000	.0200000	.0350000	-.116000	87.65200

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_2924	Zn2138
Avge	-.112000	.1580000
SDev	.002646	.0043589
%RSD	2.362279	2.758797
#1	-.109000	.1610000
#2	-.113000	.1600000
#3	-.114000	.1530000

Factor	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	1000	--	--	--	--	--	--
#3	1000	--	--	--	--	--	--

Curvefit Fit Status Summary Wed 08-07-91 04:54:07 PM page 1

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Al2373	237.313	7 Aug 91 04:51	Full Fit	.999994
Sb2068	206.833	7 Aug 91 04:51	Full Fit	1.000000
As1890	189.042/2	7 Aug 91 04:51	Full Fit	.999998
Ba4554	455.403	7 Aug 91 04:51	Full Fit	1.000000
Be3130	313.042	7 Aug 91 04:51	Full Fit	1.000000
Cd2288	228.802/2	7 Aug 91 04:51	Full Fit	.999999
Ca3706	370.603	7 Aug 91 04:51	Full Fit	.999994
Cr2677	267.716	7 Aug 91 04:51	Full Fit	.999999
Co2286	228.616	7 Aug 91 04:52	Full Fit	.999995
Cu3247	324.754	7 Aug 91 04:52	Full Fit	1.000000
Fe2599	259.940	7 Aug 91 04:52	Full Fit	1.000000
Pb2203	220.353	7 Aug 91 04:52	Full Fit	1.000000
Mg3832	383.231	7 Aug 91 04:52	Full Fit	.999986
Mn2576	257.610	7 Aug 91 04:52	Full Fit	.999976
Ni2316	231.604/2	7 Aug 91 04:52	Full Fit	.999995
K_7664	766.491	7 Aug 91 04:52	Full Fit	.999997
Se1960	196.026	7 Aug 91 04:52	Full Fit	.999999
Ag3280	328.068	7 Aug 91 04:52	Full Fit	.999995
Na5895	589.592	7 Aug 91 04:52	Full Fit	.999998
Tl1908	190.864/2	7 Aug 91 04:52	Full Fit	.999998
Ti3372	337.280	7 Aug 91 04:52	Full Fit	.999992
V_2924	292.402	7 Aug 91 04:52	Full Fit	.999998
Zn2138	213.856	7 Aug 91 04:52	Full Fit	.999991

Curvefit Report Al2373 (237.313) Wed 08-07-91 04:54:10 PM page 1

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Al2373
Wavelength: 237.313

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.003035	(.000500)
A1 (Gain) :	.414249	(.000777)
A2 (Curvature):	-.00003	(.000003)
n (Exponent) :	1.00	(.01)

Correlation : .999994
Standard Error: .001253

Inflection Point Found: Conc. = 7285.43 (S)TR = 1509.00

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-.0001	-.0001	-----	.00300	.00300
STD 2	4.0000	4.0067	.00675	.169	1.6713	.00306
STD 3	20.000	20.063	.06343	.317	8.3477	.02060
STD 4	100.00	99.425	-.5754	.575	41.133	.20536
STD 5	600.00	600.54	.54217	.090	239.11	.32388

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Sb2068
Wavelength: 206.833

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.079345	(.000116)
A1 (Gain) :	3.59380	(.002324)
A2 (Curvature):	-.02941	(.000342)
n (Exponent) :	1.04	(.01)

Correlation : 1.000000
Standard Error: .002892

Inflection Point Found: Conc. = 52.1638 (S)TR = 109.876

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.07933	.03522
STD 2	.40000	.40043	.00043	.107	1.4750	.02762
STD 3	2.0000	1.9977	-.0023	.115	7.3997	.05975
STD 4	10.000	10.002	.00188	.019	36.273	.11153

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: As1890
Wavelength: 189.042/2

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.008327	(.000065)
A1 (Gain) :	.947647	(.001329)
A2 (Curvature):	-.00351	(.000209)
n (Exponent) :	1.02	(.01)

Correlation : .999998
Standard Error: .001639

Inflection Point Found: Conc. = 122.529 (S)TR = 63.9260

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00833	.00058
STD 2	.40000	.39910	-.0009	.225	.37967	.00709
STD 3	2.0000	2.0051	.00509	.255	1.9233	.02237
STD 4	10.000	9.9959	-.0041	.041	9.5563	.02438

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ba4554
Wavelength: 455.403

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.000019	(.000204)
A1 (Gain) :	8.52909	(.004155)
A2 (Curvature):	-.01150	(.000759)
n (Exponent) :	.98	(.01)

Correlation : 1.000000
Standard Error: .005102

Inflection Point Found: Conc. = 418.415 (S)IR = 1581.42

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.00000	.00100
STD 2	.40000	.40030	.00030	.074	3.4753	.00666
STD 3	2.0000	1.9981	-.0019	.096	16.763	.03092
STD 4	10.000	10.002	.00179	.018	80.416	.48716

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Be3130
Wavelength: 313.042

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.021997	(.000028)
A1 (Gain) :	16.4811	(.002860)
A2 (Curvature):	-.55226	(.002438)
n (Exponent) :	1.01	(.01)

Correlation : 1.000000
Standard Error: .003565

Inflection Point Found: Conc. = 14.5276 (S)TR = 122.985

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	200e-9	.00000	-----	.02200	.00000
STD 2	.08000	.07998	-.0000	.028	1.3417	.00252
STD 3	.40000	.40013	.00013	.034	6.6587	.00850
STD 4	2.0000	1.9999	-.0001	.006	31.917	.08987

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cd2288
Wavelength: 228.802/2

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.000665	(.000021)
A1 (Gain) :	1.94411	(.001929)
A2 (Curvature):	-.03069	(.001779)
n (Exponent) :	1.01	(.01)

Correlation : .999999
Standard Error: .002604

Inflection Point Found: Conc. = 30.6078 (S)IR = 30.7886

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.00067	.00379
STD 2	.08000	.07986	-.0001	.175	.16933	.00252
STD 3	.40000	.40082	.00082	.205	.85533	.00681
STD 4	2.0000	1.9993	-.0007	.034	4.2270	.00100

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ca3706
Wavelength: 370.603

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.011600	(.000516)
A1 (Gain) :	.429126	(.000797)
A2 (Curvature):	-.00005	(.000003)
n (Exponent) :	1.00	(.01)

Correlation : .999994
Standard Error: .001293

Inflection Point Found: Conc. = 4642.68 (S)TR = 996.157

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00016	.00015	-----	.01167	.00651
STD 2	4.0000	3.9807	-.0193	.483	1.7400	.01311
STD 3	20.000	20.094	.09394	.470	8.7203	.01629
STD 4	100.00	100.03	.03288	.033	42.999	.01850
STD 5	600.00	599.88	-.1222	.020	242.30	.26083

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cr2677
Wavelength: 267.716

Fit: Full Fit Date of Fit: 7 Aug 91 04:51

Constant	Value	Error
A0 (Offset) :	.011629	(.000385)
A1 (Gain) :	9.99896	(.007842)
A2 (Curvature):	-.04416	(.001328)
n (Exponent) :	1.00	(.01)

Correlation : .999999
Standard Error: .009647

Inflection Point Found: Conc. = 113.201 (S)IR = 565.959

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.01167	.00115
STD 2	.40000	.39951	-.0005	.123	4.0010	.02211
STD 3	2.0000	2.0030	.00299	.150	19.871	.03959
STD 4	10.000	9.9973	-.0027	.027	95.604	.07202

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Co2286
Wavelength: 228.616

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.004282	(.000524)
A1 (Gain) :	4.84501	(.010638)
A2 (Curvature):	-.02201	(.001807)
n (Exponent) :	1.00	(.01)

Correlation : .999995
Standard Error: .013123

Inflection Point Found: Conc. = 110.041 (S)TR = 266.579

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00433	.00058
STD 2	.40000	.39862	-.0014	.345	1.9383	.01617
STD 3	2.0000	2.0084	.00840	.420	9.6773	.00851
STD 4	10.000	9.9924	-.0076	.076	46.375	.05417

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Cu3247
Wavelength: 324.754

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.002672	(.000054)
A1 (Gain) :	1.79663	(.001097)
A2 (Curvature):	-.00370	(.000193)
n (Exponent) :	.99	(.01)

Correlation : 1.000000
Standard Error: .001349

Inflection Point Found: Conc. = 256.968 (S)TR = 218.380

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.00267	.00058
STD 2	.40000	.40038	.00038	.094	.72833	.00058
STD 3	2.0000	1.9976	-.0024	.118	3.5540	.00529
STD 4	10.000	10.002	.00213	.021	17.219	.11511

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Fe2599
Wavelength: 259.940

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.037248	(.002006)
A1 (Gain) :	7.24012	(.003494)
A2 (Curvature):	-.00415	(.000026)
n (Exponent) :	1.00	(.01)

Correlation : 1.000000
Standard Error: .005024

Inflection Point Found: Conc. = 871.716 (S)TR = 3155.70

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.03733	.00569
STD 2	4.0000	3.9980	-.0020	.049	28.916	.09509
STD 3	20.000	20.023	.02289	.114	143.34	.24568
STD 4	100.00	99.897	-.1034	.103	681.84	.93764
STD 5	250.00	250.10	.09969	.040	1550.8	1.4699

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Pb2203
Wavelength: 220.353

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.012002	(.000017)
A1 (Gain) :	1.05859	(.000336)
A2 (Curvature):	-.00953	(.000052)
n (Exponent) :	1.03	(.01)

Correlation : 1.000000
Standard Error: .000420

Inflection Point Found: Conc. = 49.3881 (S)TR = 29.3972

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	-NONE-	-NONE-	-NONE-	.01200	.00200
STD 2	.40000	.40021	.00021	.052	.42767	.00651
STD 3	2.0000	1.9988	-.0012	.058	2.1573	.00950
STD 4	10.000	10.001	.00101	.010	10.385	.02183

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Mg3832
Wavelength: 383.231

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.037492	(.001233)
A1 (Gain) :	.672105	(.001985)
A2 (Curvature):	.000008	(.000007)
n (Exponent) :	.99	(.01)

Correlation : .999986
Standard Error: .003089

WARNING -- Positive Curvature

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00024	.00024	-----	.03767	.00462
STD 2	4.0000	3.9680	-.0320	.800	2.6683	.00503
STD 3	20.000	20.129	.12891	.645	13.171	.02702
STD 4	100.00	100.25	.24571	.246	64.458	.30221
STD 5	600.00	599.64	-.3608	.060	380.57	.53831

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Mn2576
Wavelength: 257.610

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.002284	(.000574)
A1 (Gain) :	2.39992	(.008900)
A2 (Curvature):	-.00272	(.000251)
n (Exponent) :	.99	(.01)

Correlation : .999976
Standard Error: .014373

Inflection Point Found: Conc. = 468.384 (S)TR = 528.523

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00002	.00002	-----	.00233	.00058
STD 2	.40000	.39716	-.0028	.710	.96267	.00416
STD 3	2.0000	2.0219	.02185	1.09	4.8037	.00808
STD 4	10.000	9.9598	-.0402	.402	23.074	.02610
STD 5	75.000	75.025	.02491	.033	158.32	.07223

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ni2316
Wavelength: 231.604/2

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	-.01140	(.000676)
A1 (Gain) :	6.19728	(.013750)
A2 (Curvature):	-.03523	(.002331)
n (Exponent) :	1.00	(.01)

Correlation : .999995
Standard Error: .016928

Inflection Point Found: Conc. = 87.9470 (S)TR = 272.504

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	-.0113	.01604
STD 2	.40000	.39861	-.0014	.348	2.4563	.02098
STD 3	2.0000	2.0085	.00851	.425	12.309	.09338
STD 4	10.000	9.9922	-.0078	.078	58.471	.08822

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: K_7664
Wavelength: 766.491

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.330979	(.000202)
A1 (Gain) :	.224392	(.000383)
A2 (Curvature):	-.00008	(.000005)
n (Exponent) :	1.03	(.01)

Correlation : .999997
Standard Error: .000506

Inflection Point Found: Conc. = 1129.38 (S)TR = 156.792

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00012	.00012	-----	.33100	.05173
STD 2	4.0000	3.9889	-.0111	.276	1.2620	.06155
STD 3	20.000	20.061	.06053	.303	5.2143	.05314
STD 4	100.00	99.953	-.0472	.047	25.007	.13346

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Se1960
Wavelength: 196.026

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	-.00134	(.000038)
A1 (Gain) :	.733580	(.000774)
A2 (Curvature):	-.00072	(.000130)
n (Exponent) :	1.00	(.01)

Correlation : .999999
Standard Error: .000947

Inflection Point Found: Conc. = 510.071 (S)TR = 187.088

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	-.0013	.00321
STD 2	.40000	.39934	-.0007	.164	.29000	.01015
STD 3	2.0000	2.0039	.00395	.197	1.4583	.00723
STD 4	10.000	9.9967	-.0033	.033	7.2227	.04835

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ag3280
Wavelength: 328.068

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.021660	(.000069)
A1 (Gain) :	3.30599	(.007103)
A2 (Curvature):	-.04204	(.005974)
n (Exponent) :	1.00	(.01)

Correlation : .999995
Standard Error: .008679

Inflection Point Found: Conc. = 39.3173 (S)TR = 65.0131

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00000	.00000	-----	.02167	.00153
STD 2	.08000	.07973	-.0003	.334	.28333	.00611
STD 3	.40000	.40161	.00161	.404	1.3343	.00379
STD 4	2.0000	1.9986	-.0014	.070	6.4197	.01650

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Na5895
Wavelength: 589.592

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.004323	(.000108)
A1 (Gain) :	.145206	(.000220)
A2 (Curvature):	-.00003	(.000004)
n (Exponent) :	1.00	(.01)

Correlation : .999998
Standard Error: .000270

Inflection Point Found: Conc. = 2639.84 (S)TR = 191.664

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00007	.00007	-----	.00433	.00321
STD 2	4.0000	3.9905	-.0095	.237	.58333	.00666
STD 3	20.000	20.057	.05713	.286	2.9057	.00153
STD 4	100.00	99.951	-.0491	.049	14.243	.12486

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Tl1908
Wavelength: 190.864/2

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.001996	(.000037)
A1 (Gain) :	.519007	(.000763)
A2 (Curvature):	-.00163	(.000128)
n (Exponent) :	1.00	(.01)

Correlation : .999998
Standard Error: .000932

Inflection Point Found: Conc. = 159.135 (S)IR = 41.2982

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00200	.00529
STD 2	.40000	.39909	-.0009	.228	.20767	.00473
STD 3	2.0000	2.0055	.00554	.277	1.0303	.01464
STD 4	10.000	9.9951	-.0049	.049	4.9967	.01115

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Ti3372
Wavelength: 337.280

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	-.34939	(.000537)
A1 (Gain) :	3.90428	(.009352)
A2 (Curvature):	-.01518	(.000691)
n (Exponent) :	1.00	(.01)

Correlation : .999992
Standard Error: .013449

Inflection Point Found: Conc. = 128.602 (S)TR = 250.699

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	-.3493	.00416
STD 2	.40000	.39857	-.0014	.358	1.2043	.00681
STD 3	2.0000	1.9993	-.0007	.033	7.3960	.01311
STD 4	10.000	10.069	.06887	.689	37.424	.14053
STD 5	25.000	24.924	-.0762	.305	87.532	.11201

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: V_2924
Wavelength: 292.402

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.000977	(.000232)
A1 (Gain) :	3.30796	(.004733)
A2 (Curvature):	-.00923	(.000800)
n (Exponent) :	1.00	(.01)

Correlation : .999998
Standard Error: .005814

Inflection Point Found: Conc. = 179.170 (S)IR = 296.344

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)IR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00100	.00265
STD 2	.40000	.39911	-.0009	.223	1.3183	.00586
STD 3	2.0000	2.0054	.00541	.271	6.5907	.01185
STD 4	10.000	9.9953	-.0047	.047	32.108	.08718

Method: CLP
Mode: Concentration
Standards Table: CLP
Data File: CLP

Element: Zn2138
Wavelength: 213.856

Fit: Full Fit Date of Fit: 7 Aug 91 04:52

Constant	Value	Error
A0 (Offset) :	.002284	(.000503)
A1 (Gain) :	3.46098	(.010178)
A2 (Curvature):	-.00817	(.001733)
n (Exponent) :	1.00	(.01)

Correlation : .999991
Standard Error: .012590

Inflection Point Found: Conc. = 211.913 (S)TR = 366.716

Standard Name	Concentration Stated	Concentration Found	Difference Conc.	Difference %	Signal (S)TR	Signal Std Dev
STD 1	.00000	.00001	.00001	-----	.00233	.00058
STD 2	.40000	.39815	-.0018	.462	1.3873	.00306
STD 3	2.0000	2.0112	.01118	.559	6.9717	.01106
STD 4	10.000	9.9903	-.0097	.097	33.972	.01380

Method: CLP Sample Name: TCV Operator:
Run Time: 08/07/91 16:57:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.093	1.038	-.0033	1.993	.5045	.5146	51.64
SDev	.005	.016	.0173	.007	.0017	.0006	.23
%RSD	.2389	1.513	518.9	.3667	.3440	.1090	.4477
#1	2.087	1.041	-.0094	1.992	.5033	.5151	51.39
#2	2.097	1.052	-.0168	1.987	.5037	.5147	51.70
#3	2.095	1.021	.0162	2.001	.5065	.5140	51.84
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.172	.9800		2.041	.5100	.4980	51.52
Range	.2172	.0980		.2041	.0510	.0498	5.152

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5099	.5093	.4933	2.037	5.133	25.69	.5087
SDev	.0018	.0012	.0023	.005	.034	.10	.0022
%RSD	.3441	.2378	.4584	.2523	.6714	.3763	.4355
#1	.5080	.5088	.4937	2.032	5.095	25.63	.5071
#2	.5104	.5084	.4909	2.037	5.161	25.65	.5079
#3	.5114	.5107	.4953	2.042	5.143	25.81	.5113
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5100	.5200	.5190	2.044	5.140	25.75	.5160
Range	.0510	.0520	.0519	.2044	.5140	2.575	.0516

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5040	51.31	-.0002	.5107	51.53	.0082	.0017
SDev	.0035	.21	.0091	.0013	.13	.0087	.0005
%RSD	.7001	.4144	3778.	.2599	.2499	105.5	31.01
#1	.5081	51.09	-.0048	.5098	51.50	-.0001	.0019
#2	.5027	51.31	-.0062	.5122	51.42	.0172	.0021
#3	.5014	51.52	.0102	.5101	51.67	.0076	.0011
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	.4970	52.07		.4980	51.37		
Range	.0497	5.207		.0498	5.137		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4934	3.336
SDev	.0017	.012
%RSD	.3384	.3546
#1	.4918	3.325
#2	.4933	3.334
#3	.4952	3.348
Errors	QC Pass	QC Pass

Value	.5070	3.316
Range	.0507	.3316

Method: CLP Sample Name: TCB Operator:
Run Time: 08/07/91 17:01:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0497	-.0142	-.0109	.0013	.0004	.0010	.0818
SDev	.0037	.0083	.0111	.0002	.0000	.0005	.0199
%RSD	7.397	58.64	102.0	13.62	.7288	49.99	24.36
#1	.0529	-.0126	-.0003	.0015	.0004	.0013	.1034
#2	.0457	-.0232	-.0098	.0012	.0004	.0004	.0641
#3	.0505	-.0068	-.0225	.0012	.0004	.0013	.0779
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0014	.0003	.0267	-.0136	.0571	.0054
SDev	.0006	.0005	.0006	.0017	.0057	.0039	.0008
%RSD	194.4	37.84	183.4	6.475	41.85	6.768	14.72
#1	.0000	-.0013	.0007	.0266	-.0076	.0615	.0062
#2	-.0010	-.0019	-.0004	.0250	-.0189	.0557	.0046
#3	.0000	-.0009	.0007	.0284	-.0142	.0542	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	-.2717	-.0127	.0005	.0253	.0167	-.0012
SDev	.0023	.0540	.0044	.0019	.0000	.0289	.0015
%RSD	45.81	19.88	34.43	382.4	.0000	172.8	130.1
#1	.0078	-.3029	-.0077	.0019	.0253	.0405	.0004
#2	.0041	-.3029	-.0159	-.0017	.0253	-.0154	-.0027
#3	.0034	-.2093	-.0145	.0013	.0253	.0251	-.0012
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0002	.0033
SDev	.0005	.0002
%RSD	217.6	4.967

#1	.0003	.0034
#2	-.0003	.0034
#3	.0006	.0031
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: CRT Operator:
Run Time: 08/07/91 17:06:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0459	.1259	-.0180	.0005	.0107	.0135	.0430
SDev	.0119	.0144	.0062	.0001	.0000	.0018	.0216
%RSD	25.93	11.44	34.35	20.47	.0351	13.38	50.11
#1	.0595	.1406	-.0205	.0006	.0107	.0114	.0678
#2	.0378	.1255	-.0226	.0004	.0107	.0146	.0284
#3	.0402	.1118	-.0110	.0005	.0107	.0144	.0329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0217	.1017	.0502	.0142	.0292	.0136	.0318
SDev	.0007	.0018	.0014	.0010	.0065	.0175	.0005
%RSD	3.328	1.769	2.733	6.882	22.12	129.0	1.476
#1	.0222	.1029	.0504	.0153	.0366	.0237	.0321
#2	.0209	.0996	.0488	.0134	.0254	-.0066	.0313
#3	.0221	.1025	.0515	.0141	.0254	.0237	.0321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0867	-.1103	.0015	.0207	.1034	.0044	-.0025
SDev	.0048	.1493	.0052	.0006	.0199	.0097	.0011
%RSD	5.489	135.3	344.3	2.915	19.23	222.3	41.86
#1	.0839	.0298	-.0044	.0207	.1149	.0146	-.0017
#2	.0839	-.2673	.0051	.0213	.0804	-.0046	-.0037
#3	.0922	-.0935	.0038	.0201	.1149	.0031	-.0022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138

Units	ppm	ppm
Avge	.1002	.0426
SDev	.0006	.0003
%RSD	.6284	.6399
#1	.1007	.0423
#2	.0995	.0426
#3	.1004	.0429
Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: ICSA Operator:
Run Time: 08/07/91 17:10:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	536.5	.0113	-.0101	.0106	.0001	.0020	534.4
SDev	1.8	.0233	.0349	.0001	.0000	.0027	2.0
%RSD	.3302	206.1	344.7	1.195	53.42	138.1	.3739
#1	534.7	.0170	.0219	.0107	.0000	.0046	532.3
#2	536.4	.0313	-.0050	.0105	.0001	.0020	534.5
#3	538.3	-.0143	-.0472	.0105	.0001	-.0008	536.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.0043	.0157	207.0	-.0582	511.1	.0325
SDev	.0019	.0006	.0003	.9	.0154	1.6	.0003
%RSD	30.91	13.73	1.979	.4202	26.52	.3147	.9868
#1	.0064	.0047	.0159	206.2	-.0548	509.5	.0322
#2	.0039	.0036	.0154	207.0	-.0750	511.0	.0327
#3	.0075	.0046	.0159	207.9	-.0447	512.7	.0328
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	-.1322	-.0444	-.0040	1.702	.1574	.0045
SDev	.0047	.1214	.0538	.0008	.016	.0516	.0007
%RSD	75.35	91.84	121.2	19.44	.9352	32.78	16.64
#1	-.0036	-.0723	-.0989	-.0047	1.692	.1980	.0053
#2	-.0116	-.2719	.0088	-.0032	1.720	.1747	.0040
#3	-.0034	-.0523	-.0431	-.0040	1.692	.0993	.0040

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0047	.2114
SDev	.0003	.0005
%RSD	5.649	.2466
#1	-.0045	.2112
#2	-.0050	.2120
#3	-.0045	.2110

Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: TCSAB Operator:
Run Time: 08/07/91 17:14:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	531.6	-.0074	.0188	.4490	.4692	.9518	531.2
SDev	1.4	.0210	.0226	.0012	.0015	.0085	1.9
%RSD	.2603	283.9	120.1	.2758	.3102	.8965	.3542
#1	530.2	-.0212	.0445	.4478	.4678	.9430	529.1
#2	531.5	.0168	.0020	.4490	.4692	.9523	531.5
#3	533.0	-.0178	.0100	.4503	.4707	.9600	532.9
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5			.6024	.5760	1.088	604.4
Low	429.2			.4016	.3840	.7256	409.8

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4858	.4396	.5126	206.0	4.446	507.2	.4712
SDev	.0028	.0028	.0017	.7	.026	1.5	.0014
%RSD	.5846	.6461	.3327	.3361	.5925	.2987	.3013
#1	.4826	.4372	.5107	205.2	4.423	505.9	.4696
#2	.4875	.4388	.5130	206.0	4.474	506.8	.4718
#3	.4875	.4427	.5141	206.6	4.440	508.8	.4723
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.6348	.5724	.6516	239.8	5.669	601.1	.5952
Low	.4232	.3816	.4344	159.9	3.779	422.0	.3968

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8557	-.3666	.0032	.9395	1.692	.1930	.0039
SDev	.0109	.3600	.0095	.0032	.024	.0068	.0003
%RSD	1.271	98.20	297.5	.3443	1.410	3.547	7.667

#1	.8682	-.6184	.0141	.9357	1.679	.1854	.0040
#2	.8487	.0457	-.0009	.9413	1.679	.1987	.0035
#3	.8502	-.5273	-.0036	.9413	1.720	.1947	.0040
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1.128			1.152			
Low	.7520			.7680			

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4464	1.209
SDev	.0025	.003
%RSD	.5504	.2550
#1	.4436	1.207
#2	.4476	1.207
#3	.4480	1.212
Errors	LC Pass	LC Pass
High	.6108	1.450
Low	.4072	.9664

Method: CLP Sample Name: CCV Operator:
Run Time: 08/07/91 17:19:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.46	4.976	5.105	5.018	1.006	1.031	51.75
SDev	.01	.024	.016	.003	.001	.000	.04
%RSD	.0196	.4804	.3189	.0512	.0540	.0352	.0738
#1	50.46	4.950	5.095	5.016	1.005	1.031	51.71
#2	50.47	4.997	5.124	5.021	1.006	1.030	51.76
#3	50.45	4.981	5.097	5.018	1.006	1.031	51.78
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.123	5.128	4.992	51.04	5.071	51.01	5.115
SDev	.003	.003	.002	.02	.015	.04	.005
%RSD	.0572	.0559	.0375	.0473	.2967	.0795	.1052
#1	5.120	5.124	4.991	51.02	5.057	50.98	5.109
#2	5.123	5.129	4.994	51.04	5.087	51.06	5.118
#3	5.126	5.129	4.991	51.07	5.069	51.00	5.118
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.111	50.05	5.120	1.023	49.92	5.076	5.056
SDev	.020	.01	.037	.002	.15	.080	.006
%RSD	.3967	.0258	.7300	.1484	.3045	1.580	.1217
#1	5.101	50.04	5.155	1.021	50.09	4.983	5.049
#2	5.135	50.06	5.081	1.024	49.83	5.129	5.061
#3	5.099	50.04	5.125	1.024	49.83	5.115	5.059
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.095	5.130
SDev	.005	.008
%RSD	.0960	.1469
#1	5.090	5.122
#2	5.096	5.133
#3	5.100	5.136
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/07/91 17:23:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0553	-.0117	-.0120	.0012	.0003	.0012	.0471
SDev	.0206	.0072	.0117	.0003	.0000	.0009	.0186
%RSD	37.24	61.38	98.30	27.51	11.21	77.19	39.53
#1	.0577	-.0162	-.0014	.0014	.0003	.0002	.0455
#2	.0746	-.0154	-.0098	.0012	.0003	.0021	.0664
#3	.0336	-.0034	-.0246	.0008	.0003	.0013	.0293
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0001	.0010	.0293	-.0133	.0387	.0009
SDev	.0008	.0011	.0003	.0077	.0019	.0157	.0002
%RSD	1214.	835.2	29.13	26.15	14.41	40.51	24.45
#1	.0010	.0008	.0012	.0297	-.0133	.0454	.0011
#2	-.0006	-.0013	.0012	.0368	-.0152	.0498	.0011
#3	-.0003	.0001	.0007	.0215	-.0114	.0208	.0007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	-.2034	.0023	.0001	-.0183	-.0013	-.0032
SDev	.0021	.1187	.0091	.0006	.0199	.0161	.0009
%RSD	43.03	58.35	399.1	593.2	108.7	1214.	27.46
#1	.0025	-.1737	-.0023	.0007	-.0298	.0038	-.0027
#2	.0064	-.3341	-.0036	.0001	-.0298	.0115	-.0027
#3	.0059	-.1024	.0127	-.0005	.0047	-.0193	-.0043

Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0007	.0018
SDev	.0008	.0007
%RSD	106.2	36.67
#1	.0015	.0022
#2	.0006	.0022
#3	.0000	.0011

Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: PBW-MGJ001 Operator:
Run Time: 08/07/91 17:27:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0456	-.0121	-.0077	.0047	.0000	.0007	.1606
SDev	.0087	.0107	.0186	.0001	.0000	.0007	.0151
%RSD	19.08	88.44	240.9	1.330	121.0	89.48	9.423
#1	.0528	-.0226	.0134	.0046	-.0000	.0010	.1459
#2	.0359	-.0126	-.0151	.0046	.0000	-.0000	.1761
#3	.0480	-.0012	-.0214	.0047	.0000	.0012	.1598

Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0010	.0024	.0444	-.0086	.0406	-.0003
SDev	.0008	.0011	.0006	.0022	.0025	.0008	.0006

%RSD	94.26	119.0	24.98	4.834	29.30	2.066	240.6
#1	-.0001	.0001	.0028	.0438	-.0095	.0411	-.0009
#2	-.0016	-.0009	.0028	.0426	-.0057	.0396	-.0001
#3	-.0008	-.0021	.0017	.0468	-.0105	.0411	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0230	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0230	-5.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	-.1020	-.0114	-.0002	.6980	-.0013	-.0041
SDev	.0027	.1552	.0116	.0009	.0398	.0122	.0003
%RSD	35.62	152.2	102.1	396.9	5.698	917.4	7.241
#1	.0075	.0771	.0018	-.0010	.7210	.0057	-.0043
#2	.0106	-.1960	-.0200	-.0004	.7210	.0057	-.0037
#3	.0051	-.1870	-.0159	.0008	.6521	-.0155	-.0043
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0005	.0040
SDev	.0007	.0004
%RSD	142.2	10.82
#1	.0003	.0036
#2	-.0009	.0045
#3	-.0009	.0039
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: LCSW-MGJ001 Operator:
Run Time: 08/07/91 17:32:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.894	.9724	-.0035	1.850	.4723	.4862	48.89
SDev	.003	.0125	.0092	.007	.0015	.0016	.08
%RSD	.1454	1.286	263.9	.3753	.3249	.3348	.1694
#1	1.890	.9803	.0071	1.843	.4709	.4856	48.82
#2	1.895	.9789	-.0094	1.848	.4721	.4850	48.87
#3	1.895	.9580	-.0083	1.857	.4739	.4881	48.98
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	2.606	1.176		2.449	.6120	.5976	61.82
Low	1.738	.7840		1.633	.4080	.3984	41.22

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4796	.4783	.4575	1.929	4.829	23.95	.4753
SDev	.0013	.0037	.0018	.005	.010	.08	.0017
%RSD	.2600	.7790	.3928	.2550	.1997	.3335	.3522
#1	.4790	.4766	.4562	1.924	4.819	23.87	.4736
#2	.4789	.4758	.4568	1.929	4.830	23.95	.4753
#3	.4811	.4826	.4595	1.934	4.838	24.03	.4769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.6120	.6240	.6228	2.453	6.168	30.89	.6192
Low	.4080	.4160	.4152	1.635	4.112	20.60	.4128

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4773	47.39	.0055	.4792	47.54	.0514	-.0035
SDev	.0047	.19	.0168	.0008	.36	.0232	.0016
%RSD	.9894	.3948	306.9	.1681	.7560	45.15	45.85
#1	.4744	47.18	.0100	.4784	47.26	.0540	-.0017
#2	.4746	47.54	-.0132	.4791	47.42	.0270	-.0048
#3	.4827	47.46	.0196	.4800	47.95	.0733	-.0040
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High	.5964	62.48			61.64		
Low	.3976	41.65			41.09		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4619	3.153
SDev	.0014	.007
%RSD	.2959	.2226
#1	.4618	3.146
#2	.4606	3.153
#3	.4633	3.160
Errors	LC Pass	LC Pass
High	.6084	3.979
Low	.4056	2.653

Method: CLP Sample Name: MGJ011 Operator:
Run Time: 08/07/91 17:36:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0344	-.0102	L-.0183	.1295	.0001	.0010	71.31
SDev	.0077	.0158	.0179	.0000	.0000	.0004	.16
%RSD	22.54	154.8	97.98	.0000	43.66	43.89	.2245
#1	.0376	-.0059	L-.0362	.1295	.0001	.0005	71.13
#2	.0255	-.0276	-.0004	.1295	.0001	.0013	71.40

#3	.0400	.0030	L-.0183	.1295	.0001	.0012	71.42
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0013	.0017	.0323	.0053	20.45	-.0002
SDev	.0011	.0007	.0000	.0015	.0087	.03	.0000
%RSD	172.2	50.24	.0171	4.628	163.9	.1311	.1508
#1	.0013	-.0006	.0017	.0310	.0108	20.42	-.0002
#2	-.0007	-.0016	.0017	.0319	-.0047	20.46	-.0002
#3	.0013	-.0018	.0017	.0339	.0098	20.46	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	1.288	-.0009	-.0013	7.849	.0134	-.0037
SDev	.0054	.109	.0109	.0009	.020	.0100	.0009
%RSD	789.3	8.468	1195.	72.59	.2540	74.44	23.70
#1	.0068	1.163	.0100	-.0022	7.826	.0077	-.0043
#2	-.0011	1.366	-.0009	-.0013	7.860	.0077	-.0027
#3	-.0036	1.336	-.0118	-.0003	7.860	.0250	-.0043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.0001	.0049					
SDev	.0002	.0003					
%RSD	156.0	6.521					
#1	.0000	.0051					
#2	.0000	.0051					
#3	.0003	.0045					
Errors	LC Pass	LC Pass					
High	9.947	9.974					
Low	-.0500	-.0200					

Method: CLP Sample Name: MGJ011D Operator:
Run Time: 08/07/91 17:41:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0287	-.0217	-.0035	.1282	-.0000	.0008	70.39

SDev	.0097	.0083	.0075	.0010	.0000	.0004	.15
%RSD	33.97	38.28	215.7	.8034	236.6	51.86	.2097
#1	.0303	-.0282	-.0004	.1275	.0000	.0013	70.23
#2	.0376	-.0246	L-.0120	.1276	.0000	.0005	70.41
#3	.0182	-.0124	.0020	.1293	-.0001	.0007	70.52
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	-.0026	.0017	.0477	-.0082	20.22	-.0002
SDev	.0013	.0011	.0010	.0007	.0045	.12	.0000
%RSD	26.56	44.34	60.55	1.457	54.52	.6156	.0499
#1	.0052	-.0018	.0017	.0476	-.0132	20.14	-.0002
#2	.0061	-.0020	.0028	.0484	-.0047	20.17	-.0002
#3	.0035	-.0039	.0007	.0471	-.0066	20.37	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	1.146	.0073	-.0012	7.957	.0244	-.0034
SDev	.0047	.120	.0123	.0012	.077	.0040	.0010
%RSD	56.91	10.47	169.1	96.84	.9667	16.49	30.43
#1	.0068	1.254	.0073	-.0000	7.874	.0289	-.0022
#2	.0135	1.168	.0195	-.0012	7.971	.0231	-.0040
#3	.0045	1.017	-.0050	-.0024	8.026	.0212	-.0040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0010	.0068
SDev	.0005	.0006
%RSD	46.39	8.398
#1	-.0006	.0074
#2	-.0009	.0068
#3	-.0015	.0063
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ011S Operator:
Run Time: 08/07/91 17:45:22

Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.907	.4922	1.950	2.009	.0480	.0456	71.17
SDev	.007	.0128	.037	.006	.0001	.0030	.14
%RSD	.3863	2.592	1.873	.3040	.2900	6.595	.1933
#1	1.900	.5019	1.959	2.008	.0479	.0423	71.04
#2	1.915	.4969	1.910	2.003	.0479	.0481	71.16
#3	1.905	.4777	1.981	2.015	.0482	.0465	71.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1914	.4764	.2312	.9887	.4985	20.35	.4736
SDev	.0022	.0028	.0011	.0006	.0093	.04	.0013
%RSD	1.165	.5903	.4799	.0583	1.867	.2153	.2697
#1	.1890	.4731	.2301	.9882	.4941	20.33	.4725
#2	.1918	.4781	.2312	.9885	.5092	20.33	.4734
#3	.1934	.4779	.2323	.9893	.4922	20.40	.4750
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4839	1.328	1.918	.0451	8.045	1.923	-.0038
SDev	.0023	.112	.008	.0006	.071	.020	.0010
%RSD	.4685	8.407	.4365	1.338	.8813	1.064	27.03
#1	.4817	1.331	1.911	.0445	8.026	1.903	-.0032
#2	.4862	1.438	1.927	.0457	7.985	1.924	-.0032
#3	.4838	1.215	1.916	.0451	8.123	1.943	-.0050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.4790	.4990
SDev	.0018	.0013
%RSD	.3849	.2603
#1	.4769	.4977
#2	.4802	.4989
#3	.4799	.5003
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ011L 1/5 SM Operator:
Run Time: 08/07/91 17:49:43 08/07/91
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	-.0194	L-.0176	.0269	.0000	.0017	15.49
SDev	.0091	.0108	.0111	.0003	.0000	.0012	.07
%RSD	117.7	55.78	63.02	.9554	147.2	69.35	.4756
#1	.0142	-.0242	-.0067	.0271	.0000	.0009	15.57
#2	-.0027	-.0270	L-.0288	.0271	.0001	.0030	15.49
#3	.0118	-.0070	L-.0172	.0266	.0000	.0011	15.42
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0016	.0005	.0138	-.0168	4.266	-.0004
SDev	.0013	.0021	.0011	.0020	.0094	.020	.0002
%RSD	93.94	127.9	213.3	14.73	56.16	.4665	59.44
#1	-.0005	.0008	.0017	.0131	-.0074	4.282	-.0005
#2	-.0030	-.0032	-.0004	.0123	-.0262	4.273	-.0001
#3	-.0009	-.0025	.0002	.0161	-.0168	4.244	-.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.1269	.0073	-.0001	1.695	.0108	-.0103
SDev	.0061	.1905	.0063	.0018	.017	.0128	.0005
%RSD	1473.	150.1	85.97	1367.	1.023	118.7	5.168
#1	.0032	.1860	.0059	.0003	1.692	.0249	-.0101
#2	.0047	-.0861	.0018	-.0022	1.713	.0076	-.0109
#3	-.0066	.2809	.0141	.0015	1.679	-.0001	-.0099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0011	.0296
SDev	.0009	.0003
%RSD	84.06	1.093
#1	-.0003	.0294
#2	-.0021	.0299

#3	-.0009	.0294
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ012 Operator:
Run Time: 08/07/91 17:54:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	-.0086	L-.0162	.1010	.0000	-.0001	65.43
SDev	.0050	.0098	.0124	.0002	.0000	.0005	.31
%RSD	94.79	113.5	76.81	.2356	170.4	306.0	.4689
#1	.0109	-.0018	L-.0299	.1008	.0001	.0003	65.11
#2	.0013	-.0198	-.0056	.1009	.0000	-.0002	65.45
#3	.0037	-.0043	L-.0130	.1013	-.0000	-.0006	65.72
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0012	.0028	.0752	-.0085	18.80	.0009
SDev	.0010	.0011	.0000	.0006	.0082	.06	.0002
%RSD	119.6	92.27	.0086	.8681	96.37	.3293	25.24
#1	.0018	-.0005	.0028	.0759	-.0048	18.74	.0010
#2	.0006	-.0024	.0028	.0747	-.0180	18.80	.0006
#3	-.0001	-.0005	.0028	.0750	-.0029	18.86	.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	1.040	-.0009	-.0017	5.582	.0186	-.0035
SDev	.0046	.108	.0204	.0006	.030	.0164	.0007
%RSD	538.2	10.39	2228.	37.80	.5389	88.24	19.43
#1	-.0057	1.015	-.0091	-.0012	5.596	-.0001	-.0037
#2	-.0004	.9462	.0223	-.0024	5.547	.0250	-.0040
#3	.0035	1.158	-.0159	-.0015	5.603	.0308	-.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0003	.0035

SDev	.0006	.0002
%RSD	190.2	4.481
#1	.0009	.0034
#2	-.0003	.0034
#3	.0003	.0036
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ013 Operator:
Run Time: 08/07/91 17:58:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	-.0159	L-.0183	.0011	.0001	.0012	.2366
SDev	.0056	.0163	.0021	.0001	.0000	.0005	.0190
%RSD	44.20	102.4	11.54	5.531	5.616	44.95	8.041
#1	.0094	-.0345	L-.0183	.0010	.0001	.0017	.2204
#2	.0094	-.0090	L-.0162	.0011	.0001	.0011	.2576
#3	.0191	-.0042	L-.0204	.0011	.0001	.0007	.2319
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0012	.0021	.0418	-.0091	.0513	-.0001
SDev	.0004	.0003	.0006	.0007	.0030	.0131	.0000
%RSD	292.3	25.78	29.19	1.748	33.24	25.60	.1250
#1	.0001	-.0013	.0017	.0415	-.0057	.0513	-.0001
#2	.0000	-.0015	.0028	.0426	-.0104	.0644	-.0001
#3	-.0006	-.0009	.0017	.0413	-.0114	.0382	-.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.0722	-.0155	-.0008	.2044	.0025	-.0031
SDev	.0078	.1522	.0139	.0013	.0000	.0111	.0006
%RSD	76.65	210.8	90.10	168.2	.0000	439.0	19.33
#1	.0178	.0818	.0005	-.0017	.2044	-.0039	-.0037
#2	.0107	.2194	-.0255	.0007	.2044	-.0039	-.0027
#3	.0022	-.0846	-.0214	-.0014	.2044	.0154	-.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	

Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	-.0004	.0085
SDev	.0006	.0000
%RSD	160.9	.3163
#1	-.0006	.0085
#2	.0003	.0085
#3	-.0009	.0086
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ014 Operator:
Run Time: 08/07/91 18:03:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2824	-.0165	.0451	.0014	.0536	.0193	.1240
SDev	.0056	.0085	.0274	.0001	.0001	.0015	.0097
%RSD	1.976	51.54	60.66	4.315	.2628	7.831	7.814
#1	.2792	-.0080	.0156	.0013	.0534	.0210	.1349
#2	.2792	-.0164	.0697	.0014	.0537	.0182	.1162
#3	.2888	-.0250	.0500	.0014	.0537	.0187	.1210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0123	.0794	.0187	.0710	.0808	.0324	.0233
SDev	.0004	.0024	.0003	.0007	.0025	.0124	.0006
%RSD	3.290	3.000	1.667	.9986	3.084	38.29	2.658
#1	.0124	.0769	.0184	.0718	.0785	.0440	.0232
#2	.0119	.0817	.0189	.0708	.0835	.0338	.0240
#3	.0127	.0796	.0189	.0704	.0805	.0193	.0228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0371	-.1856	.0323	-.0018	.3284	.0001	-.0031
SDev	.0014	.1559	.0296	.0014	.0239	.0223	.0006
%RSD	3.744	84.03	91.62	74.50	7.266	15760.	19.33
#1	.0358	-.1336	.0473	-.0019	.3146	-.0204	-.0027

#2	.0386	-.0623	.0514	-.0004	.3559	-.0031	-.0027
#3	.0368	-.3608	-.0018	-.0031	.3146	.0239	-.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.2380	.0232
SDev	.0005	.0003
%RSD	.1943	1.231
#1	.2375	.0229
#2	.2381	.0232
#3	.2384	.0235
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: MGJ002A Operator:
Run Time: 08/07/91 18:07:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.72	.1168	.0006	.3423	.0014	.0010	17.82
SDev	.04	.0189	.0168	.0008	.0000	.0015	.12
%RSD	.1227	16.20	2962.	.2246	2.478	144.4	.6762
#1	32.68	.1058	.0047	.3430	.0014	.0000	17.70
#2	32.73	.1387	.0149	.3424	.0014	.0003	17.84
#3	32.76	.1061	L-.0179	.3414	.0014	.0027	17.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	590.1	9.954	10.00	9.854	1.987	2.004	595.3
Low	-.2000	-.0600	-.0100	-.2000	-.0050	-.0050	-1.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0582	.0184	.0276	53.47	.0290	6.906	6.078
SDev	.0005	.0013	.0006	.23	.0082	.012	.030
%RSD	.8435	7.169	2.261	.4211	28.43	.1718	.4933
#1	.0576	.0178	.0269	53.22	.0215	6.893	6.046
#2	.0585	.0174	.0280	53.52	.0277	6.910	6.082
#3	.0584	.0199	.0280	53.67	.0378	6.916	6.106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.978	9.978	9.883	246.8	10.02	590.5	73.99
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-1.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	.0531	2.860	-.0169	-.0023	.6705	.0271	.9774
SDev	.0024	.234	.0055	.0013	.0221	.0260	.0020
%RSD	4.532	8.187	32.46	57.95	3.303	96.15	.2051
#1	.0551	2.736	-.0201	-.0038	.6865	.0540	.9768
#2	.0505	2.715	-.0201	-.0017	.6452	.0020	.9758
#3	.0538	3.130	-.0106	-.0014	.6797	.0252	.9797
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	9.982	98.87	10.00	2.016	96.37	10.00	
Low	-.0400	-1.000	-.1000	-.0100	-1.000	-.1000	

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0863	.1134
SDev	.0007	.0017
%RSD	.8323	1.485
#1	.0858	.1115
#2	.0859	.1141
#3	.0871	.1146
Errors	LC Pass	LC Pass
High	9.947	9.974
Low	-.0500	-.0200

Method: CLP Sample Name: CCV Operator:
Run Time: 08/07/91 18:11:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.13	5.046	5.170	5.086	1.023	1.043	52.52
SDev	.20	.011	.026	.021	.003	.006	.05
%RSD	.3960	.2116	.5067	.4108	.2587	.5330	.0920
#1	51.27	5.038	5.154	5.094	1.025	1.045	52.58
#2	50.89	5.043	5.155	5.062	1.020	1.047	52.51
#3	51.21	5.058	5.200	5.101	1.025	1.036	52.48
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.202	5.200	5.054	51.72	5.142	51.69	5.207
SDev	.004	.005	.019	.08	.021	.14	.008
%RSD	.0864	.1015	.3794	.1487	.4150	.2689	.1625
#1	5.207	5.204	5.061	51.78	5.164	51.74	5.215
#2	5.201	5.201	5.032	51.63	5.139	51.53	5.198
#3	5.199	5.194	5.068	51.75	5.121	51.79	5.207
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.191	50.57	5.198	1.036	52.09	5.190	5.127
SDev	.018	.13	.016	.003	.38	.024	.013
%RSD	.3524	.2528	.3137	.2582	.7364	.4544	.2608
#1	5.211	50.71	5.206	1.039	52.27	5.163	5.131
#2	5.184	50.55	5.179	1.033	51.65	5.203	5.112
#3	5.176	50.46	5.208	1.036	52.35	5.205	5.137
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.168	5.216
SDev	.011	.002
%RSD	.2040	.0460
#1	5.176	5.219
#2	5.156	5.216
#3	5.171	5.214
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/07/91 18:16:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0698	-.0024	-.0126	.0014	.0004	.0005	.0642
SDev	.0087	.0077	.0127	.0003	.0001	.0007	.0100
%RSD	12.46	317.7	101.1	19.29	26.16	136.4	15.58
#1	.0722	-.0034	-.0183	.0016	.0005	.0001	.0687
#2	.0770	-.0096	.0020	.0013	.0004	.0012	.0712
#3	.0601	.0057	-.0214	.0011	.0003	.0001	.0527
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-.0005	.0012	.0353	-.0023	.0513	.0009
SDev	.0017	.0019	.0009	.0011	.0077	.0162	.0004
%RSD	299.8	355.4	74.56	3.104	331.5	31.65	48.78

#1	-.0006	-.0011	.0017	.0362	-.0058	.0542	.0015
#2	.0025	.0016	.0017	.0357	.0065	.0659	.0007
#3	-.0003	-.0021	.0002	.0341	-.0076	.0338	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0006	-.0055	-.0002	-.0206	.0102	-.0036
SDev	.0051	.2463	.0083	.0003	.0199	.0187	.0016
%RSD	109.2	42020.	152.6	150.5	96.56	182.8	43.81
#1	.0102	-.0177	.0018	.0001	-.0091	.0058	-.0022
#2	.0004	.2555	-.0145	-.0005	-.0091	.0308	-.0032
#3	.0033	-.2361	-.0036	-.0002	-.0435	-.0058	-.0053
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0005	.0021
SDev	.0009	.0012
%RSD	179.0	56.47
#1	.0003	.0031
#2	.0015	.0025
#3	-.0003	.0008
Errors	LC Pass	LC Pass
High	.0500	.0200
Low	-.0500	-.0200

Method: CLP Sample Name: CRT Operator:
Run Time: 08/07/91 18:20:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0507	.1160	-.0180	.0007	.0108	.0131	.0501
SDev	.0077	.0158	.0022	.0001	.0000	.0011	.0053
%RSD	15.30	13.58	12.21	17.73	.0253	8.118	10.67
#1	.0474	.1074	-.0173	.0008	.0108	.0140	.0470
#2	.0450	.1065	-.0162	.0006	.0108	.0134	.0471
#3	.0595	.1342	-.0205	.0006	.0108	.0119	.0563
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0224	.1036	.0510	.0194	.0305	.0213	.0326
SDev	.0004	.0018	.0009	.0002	.0047	.0065	.0002
%RSD	1.856	1.739	1.855	1.091	15.29	30.63	.7200
#1	.0223	.1027	.0515	.0196	.0356	.0208	.0329
#2	.0221	.1023	.0499	.0193	.0265	.0150	.0325
#3	.0229	.1056	.0515	.0192	.0295	.0280	.0325
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0891	-.0451	.0001	.0210	.0873	-.0130	-.0038
SDev	.0017	.0646	.0182	.0008	.0069	.0106	.0004
%RSD	1.908	143.4	12570.	3.812	7.888	81.62	10.22
#1	.0893	.0250	-.0208	.0204	.0942	-.0008	-.0037
#2	.0873	-.0578	.0092	.0207	.0804	-.0181	-.0043
#3	.0907	-.1024	.0120	.0219	.0873	-.0201	-.0035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.1023	.0440
SDev	.0005	.0006
%RSD	.4516	1.325
#1	.1022	.0434
#2	.1019	.0446
#3	.1028	.0440
Errors	LC Pass	LC Pass
High	10.06	10.10
Low	-.0500	-.0200

Method: CLP Sample Name: ICSA Operator:
Run Time: 08/07/91 18:24:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	542.5	-.0049	.0159	.0107	.0001	.0022	545.1
SDev	.5	.0491	.0221	.0001	.0000	.0002	1.8
%RSD	.0932	992.4	138.9	.5912	54.85	9.873	.3359
#1	542.3	-.0486	.0208	.0106	.0000	.0025	543.2
#2	542.1	-.0144	-.0082	.0107	.0001	.0021	545.2
#3	543.1	.0482	.0352	.0107	.0001	.0022	546.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5	10.03	10.50	9.938	2.010	2.021	604.4
Low	-.2000	-.0600	-.1000	-.2000	-.0050	-.0050	-5.000
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0025	.0150	211.0	-.0269	517.5	.0334
SDev	.0002	.0014	.0006	.6	.0126	.6	.0004
%RSD	4.950	55.04	4.132	.3045	46.76	.1118	1.207
#1	.0044	.0018	.0143	210.3	-.0411	517.2	.0339
#2	.0041	.0041	.0153	211.0	-.0172	517.1	.0331
#3	.0040	.0016	.0153	211.6	-.0224	518.2	.0332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.14	10.13	9.893	250.6	10.10	601.1	75.26
Low	-.0100	-.0500	-.0250	-.1000	-.1000	-5.000	-.0150
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0070	-.2541	-.0314	-.0032	1.766	.2074	.0033
SDev	.0120	.1651	.0119	.0013	.011	.0335	.0009
%RSD	171.6	65.00	37.94	40.04	.5961	16.13	28.41
#1	-.0115	-.4414	-.0214	-.0046	1.768	.1953	.0022
#2	-.0161	-.1296	-.0446	-.0022	1.775	.1817	.0040
#3	.0066	-.1912	-.0282	-.0028	1.754	.2453	.0035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.12	96.91	10.50	2.004	95.81	10.50	26.25
Low	-.0400	-5.000	-.1000	-.0100	-5.000	-.1000	-.0500
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	-.0043	.2164					
SDev	.0009	.0014					
%RSD	20.08	.6633					
#1	-.0042	.2155					
#2	-.0035	.2155					
#3	-.0053	.2180					
Errors	LC Pass	LC Pass					
High	10.06	10.10					
Low	-.0500	-.0200					

Method: CLP Sample Name: TCSAB Operator:
Run Time: 08/07/91 18:29:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	534.9	.0202	-.0071	.4509	.4751	.9613	538.8
SDev	.9	.0216	.0177	.0009	.0008	.0013	1.6
%RSD	.1645	107.2	249.9	.2114	.1602	.1369	.2985

#1	534.5	-.0048	-.0226	.4510	.4743	.9613	537.0
#2	535.9	.0328	.0122	.4517	.4758	.9626	539.1
#3	534.3	.0325	-.0110	.4498	.4753	.9600	540.2
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	599.5			.6024	.5760	1.088	604.4
Low	429.2			.4016	.3840	.7256	409.8
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4944	.4453	.5152	208.6	4.506	511.3	.4784
SDev	.0007	.0019	.0011	.5	.010	.8	.0013
%RSD	.1464	.4242	.2172	.2401	.2280	.1615	.2749
#1	.4936	.4431	.5152	208.1	4.498	511.0	.4770
#2	.4946	.4464	.5163	208.8	4.518	512.2	.4784
#3	.4950	.4463	.5141	209.0	4.504	510.6	.4797
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.6348	.5724	.6516	239.8	5.669	601.1	.5952
Low	.4232	.3816	.4344	159.9	3.779	422.0	.3968
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8598	-.0989	-.0614	.9474	1.761	.1731	.0029
SDev	.0088	.0987	.0273	.0019	.024	.0355	.0004
%RSD	1.019	99.78	44.50	.1981	1.355	20.51	13.40
#1	.8498	-.1827	-.0350	.9454	1.775	.2137	.0025
#2	.8640	-.1240	-.0596	.9491	1.775	.1577	.0033
#3	.8657	.0099	-.0896	.9476	1.734	.1480	.0030
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1.128			1.152			
Low	.7520			.7680			
Elem	V_2924	Zn2138					
Units	ppm	ppm					
Avge	.4515	1.224					
SDev	.0005	.005					
%RSD	.1150	.4095					
#1	.4509	1.218					
#2	.4516	1.226					
#3	.4519	1.227					
Errors	LC Pass	LC Pass					
High	.6108	1.450					
Low	.4072	.9664					

Method: CLP Sample Name: CCV Operator:
Run Time: 08/07/91 18:33:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.84	5.038	5.168	5.065	1.021	1.044	52.37
SDev	.10	.022	.015	.014	.002	.006	.07
%RSD	.1915	.4304	.2894	.2691	.1671	.5525	.1297
#1	50.90	5.027	5.157	5.074	1.021	1.040	52.31
#2	50.73	5.024	5.162	5.049	1.019	1.041	52.35
#3	50.90	5.063	5.185	5.072	1.023	1.051	52.44
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50.00	5.000	5.000	5.000	1.000	1.000	50.00
Range	5.000	.5000	.5000	.5000	.1000	.1000	5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.188	5.185	5.040	51.63	5.133	51.57	5.197
SDev	.011	.010	.015	.06	.008	.10	.005
%RSD	.2135	.1988	.2911	.1129	.1550	.2014	.0966
#1	5.179	5.173	5.049	51.65	5.124	51.64	5.192
#2	5.184	5.189	5.023	51.57	5.135	51.45	5.196
#3	5.201	5.192	5.047	51.69	5.139	51.62	5.202
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	50.00	5.000	50.00	5.000
Range	.5000	.5000	.5000	5.000	.5000	5.000	.5000

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.170	50.35	5.160	1.032	51.58	5.191	5.113
SDev	.046	.13	.010	.002	.18	.036	.011
%RSD	.8929	.2676	.1854	.2400	.3562	.7014	.2067
#1	5.122	50.23	5.154	1.029	51.56	5.167	5.114
#2	5.174	50.32	5.171	1.034	51.41	5.173	5.102
#3	5.214	50.50	5.154	1.032	51.78	5.233	5.123
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	50.00	5.000	1.000	50.00	5.000	5.000
Range	.5000	5.000	.5000	.1000	5.000	.5000	.5000

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	5.156	5.199
SDev	.006	.008
%RSD	.1134	.1534
#1	5.157	5.198
#2	5.150	5.192
#3	5.161	5.208
Errors	QC Pass	QC Pass
Value	5.000	5.000
Range	.5000	.5000

Method: CLP Sample Name: CCB Operator:
Run Time: 08/07/91 18:37:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288	Ca3706
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0497	-.0221	-.0112	.0013	.0003	-.0008	.0534
SDev	.0141	.0017	.0106	.0004	.0002	.0014	.0135
%RSD	28.41	7.566	94.42	29.09	51.72	178.5	25.37
#1	.0553	-.0221	-.0098	.0016	.0005	-.0001	.0688
#2	.0601	-.0204	-.0014	.0012	.0004	-.0024	.0480
#3	.0336	-.0237	-.0225	.0009	.0001	.0002	.0433
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0600		.2000	.0050	.0050	5.000
Low	-.2000	-.0600		-.2000	-.0050	-.0050	-5.000

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg3832	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0003	.0003	.0301	-.0108	.0377	.0007
SDev	.0005	.0020	.0006	.0057	.0113	.0190	.0008
%RSD	13530.	614.1	182.9	18.80	104.7	50.24	117.4
#1	.0003	.0020	.0007	.0333	-.0057	.0527	.0015
#2	.0002	-.0013	.0007	.0335	-.0237	.0440	.0007
#3	-.0006	-.0017	-.0004	.0236	-.0029	.0164	-.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0500	.0250	.1000	.0240	5.000	.0150
Low	-.0100	-.0500	-.0250	-.1000	-.0240	-5.000	-.0150

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5895	Tl1908	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	-.0920	-.0150	-.0011	-.0183	.0032	-.0039
SDev	.0020	.0971	.0197	.0012	.0105	.0187	.0011
%RSD	48.63	105.5	131.6	109.2	57.51	591.4	27.25
#1	.0051	-.0132	-.0023	.0001	-.0091	.0192	-.0027
#2	.0056	-.0623	-.0377	-.0011	-.0298	-.0174	-.0048
#3	.0018	-.2004	-.0050	-.0023	-.0160	.0077	-.0043
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High	.0400	5.000		.0100	5.000		
Low	-.0400	-5.000		-.0100	-5.000		

Elem	V_2924	Zn2138
Units	ppm	ppm
Avge	.0003	.0024
SDev	.0006	.0004
%RSD	193.0	18.04
#1	.0009	.0025
#2	.0003	.0028
#3	-.0003	.0019
Errors	LC Pass	LC Pass

High	.0500	.0200
Low	-.0500	-.0200

Analysis Report Summary Wed 08-07-91 06:45:06 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICV	CLP	CLP	08/07/91	16:57		Q	CONC
2	ICB	CLP	CLP	08/07/91	17:01		B	CONC
3	CRI	CLP	CLP	08/07/91	17:06		B	CONC
4	ICSA	CLP	CLP	08/07/91	17:10		B	CONC
5	ICSAB	CLP	CLP	08/07/91	17:14		B	CONC
6	CCV	CLP	CLP	08/07/91	17:19		Q	CONC
7	CCB	CLP	CLP	08/07/91	17:23		B	CONC
8	PBW-MGJ001	CLP	CLP	08/07/91	17:27		S	CONC
9	LCSW-MGJ001	CLP	CLP	08/07/91	17:32		S	CONC
10	MGJ011	CLP	CLP	08/07/91	17:36		S	CONC
11	MGJ011D	CLP	CLP	08/07/91	17:41		S	CONC
12	MGJ011S	CLP	CLP	08/07/91	17:45		S	CONC
13	MGJ011L	CLP	CLP	08/07/91	17:49		S	CONC
14	MGJ012	CLP	CLP	08/07/91	17:54		S	CONC
15	MGJ013	CLP	CLP	08/07/91	17:58		S	CONC
16	MGJ014	CLP	CLP	08/07/91	18:03		S	CONC
17	MGJ002A	CLP	CLP	08/07/91	18:07		S	CONC
18	CCV	CLP	CLP	08/07/91	18:11		Q	CONC
19	CCB	CLP	CLP	08/07/91	18:16		B	CONC
20	CRI	CLP	CLP	08/07/91	18:20		B	CONC
21	ICSA	CLP	CLP	08/07/91	18:24		B	CONC
22	ICSAB	CLP	CLP	08/07/91	18:29		B	CONC
23	CCV	CLP	CLP	08/07/91	18:33		Q	CONC
24	CCB	CLP	CLP	08/07/91	18:37		B	CONC

#	Sample Name	Al2373	Sb2068	As1890	Ba4554	Be3130	Cd2288
1	ICV	2.093	1.038	-.0033	1.993	.5045	.5146
2	ICB	.0497	-.0142	-.0109	.0013	.0004	.0010
3	CRT	.0459	.1259	-.0180	.0005	.0107	.0135
4	ICSA	536.5	.0113	-.0101	.0106	.0001	.0020
5	ICSAB	531.6	-.0074	.0188	.4490	.4692	.9518
6	CCV	50.46	4.976	5.105	5.018	1.006	1.031
7	CCB	.0553	-.0117	-.0120	.0012	.0003	.0012
8	PBW-MGJ001	.0456	-.0121	-.0077	.0047	.0000	.0007
9	LCSW-MGJ001	1.894	.9724	-.0035	1.850	.4723	.4862
10	MGJ011	.0344	-.0102	L-.0183	.1295	.0001	.0010
11	MGJ011D	.0287	-.0217	-.0035	.1281	-.0000	.0008
12	MGJ011S	1.907	.4922	1.950	2.009	.0480	.0456
13	MGJ011L	.0077	-.0194	L-.0176	.0269	.0000	.0017
14	MGJ012	.0053	-.0086	L-.0162	.1010	.0000	-.0001
15	MGJ013	.0126	-.0159	L-.0183	.0011	.0001	.0012
16	MGJ014	.2824	-.0165	.0451	.0014	.0536	.0193
17	MGJ002A	32.72	.1168	.0006	.3423	.0014	.0010
18	CCV	51.13	5.046	5.170	5.086	1.023	1.043
19	CCB	.0698	-.0024	-.0126	.0014	.0004	.0005
20	CRT	.0507	.1160	-.0180	.0007	.0108	.0131
21	ICSA	542.5	-.0049	.0159	.0107	.0001	.0022
22	ICSAB	534.9	.0202	-.0071	.4509	.4751	.9613
23	CCV	50.84	5.038	5.168	5.065	1.021	1.044
24	CCB	.0497	-.0221	-.0112	.0013	.0003	-.0008

#	Sample Name	Ca3706	Cr2677	Co2286	Cu3247	Fe2599	Pb2203
1	ICV	51.64	.5099	.5093	.4933	2.037	5.133
2	ICB	.0818	-.0003	-.0014	.0003	.0267	-.0136
3	CRT	.0430	.0217	.1017	.0502	.0142	.0292
4	ICSA	534.4	.0060	.0043	.0157	207.0	-.0582
5	ICSAB	531.2	.4858	.4396	.5126	206.0	4.446
6	CCV	51.75	5.123	5.128	4.992	51.04	5.071
7	CCB	.0471	.0001	-.0001	.0010	.0293	-.0133
8	PBW-MGJ001	.1606	-.0008	-.0010	.0024	.0444	-.0086
9	LCSW-MGJ001	48.89	.4796	.4783	.4575	1.929	4.829
10	MGJ011	71.31	.0007	-.0013	.0017	.0323	.0053
11	MGJ011D	70.39	.0050	-.0026	.0017	.0477	-.0082
12	MGJ011S	71.17	.1914	.4764	.2312	.9887	.4985
13	MGJ011L	15.49	-.0014	-.0016	.0005	.0138	-.0168
14	MGJ012	65.43	.0008	-.0012	.0028	.0752	-.0085
15	MGJ013	.2366	-.0001	-.0012	.0021	.0418	-.0091
16	MGJ014	.1240	.0123	.0794	.0187	.0710	.0808
17	MGJ002A	17.82	.0582	.0184	.0276	53.47	.0290
18	CCV	52.52	5.202	5.200	5.054	51.72	5.142
19	CCB	.0642	.0006	-.0005	.0012	.0353	-.0023
20	CRT	.0501	.0224	.1036	.0510	.0194	.0305
21	ICSA	545.1	.0042	.0025	.0150	211.0	-.0269
22	ICSAB	538.8	.4944	.4453	.5152	208.6	4.506
23	CCV	52.37	5.188	5.185	5.040	51.63	5.133
24	CCB	.0534	.0000	-.0003	.0003	.0301	-.0108

#	Sample Name	Mg3832	Mn2576	Ni2316	K_7664	Se1960	Ag3280
1	ICV	25.69	.5087	.5040	51.31	-.0002	.5107
2	ICB	.0571	.0054	.0051	-.2717	-.0127	.0005
3	CRI	.0136	.0318	.0867	-.1103	.0015	.0207
4	ICSA	511.1	.0325	-.0062	-.1322	-.0444	-.0040
5	ICSAB	507.2	.4712	.8557	-.3666	.0032	.9395
6	CCV	51.01	5.115	5.111	50.05	5.120	1.023
7	CCB	.0387	.0009	.0049	-.2034	.0023	.0001
8	PBW-MGJ001	.0406	-.0003	.0077	-.1020	-.0114	-.0002
9	LCSW-MGJ001	23.95	.4753	.4773	47.39	.0055	.4792
10	MGJ011	20.45	-.0001	.0007	1.288	-.0009	-.0013
11	MGJ011D	20.22	-.0001	.0083	1.146	.0073	-.0012
12	MGJ011S	20.35	.4736	.4839	1.328	1.918	.0451
13	MGJ011L	4.266	-.0004	.0004	.1269	.0073	-.0001
14	MGJ012	18.80	.0009	-.0009	1.040	-.0009	-.0017
15	MGJ013	.0513	-.0001	.0102	.0722	-.0155	-.0008
16	MGJ014	.0324	.0233	.0371	-.1856	.0323	-.0018
17	MGJ002A	6.906	6.078	.0531	2.860	-.0169	-.0023
18	CCV	51.69	5.207	5.191	50.57	5.198	1.036
19	CCB	.0513	.0009	.0046	.0006	-.0055	-.0002
20	CRI	.0213	.0326	.0891	-.0451	.0001	.0210
21	ICSA	517.5	.0334	-.0070	-.2541	-.0314	-.0032
22	ICSAB	511.3	.4784	.8598	-.0989	-.0614	.9474
23	CCV	51.57	5.197	5.170	50.35	5.160	1.032
24	CCB	.0377	.0007	.0042	-.0920	-.0150	-.0011

#	Sample Name	Na5895	Tl1908	Ti3372	V_2924	Zn2138
1	ICV	51.53	.0082	.0017	.4934	3.336
2	ICB	.0253	.0167	-.0012	.0002	.0033
3	CRI	.1034	.0044	-.0025	.1002	.0426
4	ICSA	1.702	.1574	.0045	-.0047	.2114
5	ICSAB	1.692	.1930	.0039	.4464	1.209
6	CCV	49.92	5.076	5.056	5.095	5.130
7	CCB	-.0183	-.0013	-.0032	.0007	.0018
8	PBW-MGJ001	.6980	-.0013	-.0041	-.0005	.0040
9	LCSW-MGJ001	47.54	.0514	-.0035	.4619	3.153
10	MGJ011	7.849	.0134	-.0037	.0001	.0049
11	MGJ011D	7.957	.0244	-.0034	-.0010	.0068
12	MGJ011S	8.045	1.923	-.0038	.4790	.4990
13	MGJ011L	1.695	.0108	-.0103	-.0011	.0296
14	MGJ012	5.582	.0186	-.0035	.0003	.0035
15	MGJ013	.2044	.0025	-.0031	-.0004	.0085
16	MGJ014	.3284	.0001	-.0031	.2380	.0232
17	MGJ002A	.6705	.0271	.9774	.0863	.1134
18	CCV	52.09	5.190	5.127	5.168	5.216
19	CCB	-.0206	.0102	-.0036	.0005	.0021
20	CRI	.0873	-.0130	-.0038	.1023	.0440
21	ICSA	1.766	.2074	.0033	-.0043	.2164
22	ICSAB	1.761	.1731	.0029	.4515	1.224
23	CCV	51.58	5.191	5.113	5.156	5.199
24	CCB	-.0183	.0032	-.0039	.0003	.0024