FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

622141

LABORATORY NAME A4 SCIENTIFIC INC

CITY/STATE The WOODLANDS, TX

CASE NO. 40275 SDG NO. MF3JJ4

SDG NOs. TO FOLLOW

MOD. REF. NO.

CONTRACT NO. EPW09035

SOW NO. ISM01.2

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
1.	Inventory Sheet (DC-2)	1	2	✓	✓
2.	SDG Narrative	3	6	✓	✓
3.	Sample Log-In Sheet (DC-1)	7	9	✓	✓
4.	Traffic Report/Chain of Custody Record(s)	10	13	✓	✓
5.	Cover Page	14	14	✓	✓
Inorganic Analysis					
6.	Data Sheet (Form I-IN)	15	34	✓	✓
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	35	38	✓	✓
8.	Blanks (Form III-IN)	39	41	✓	✓
9.	ICP-AES Interference Check Sample (Form IVA-IN)	42	42	✓	✓
10.	ICP-MS Interference Check Sample (Form IVB-IN)	—	—	—	
11.	Matrix Spike Sample Recovery (Form VA-IN)	43	43	✓	✓
12.	Post-Digestion Spike Sample Recovery (Form VB-IN)	—	—	—	
13.	Duplicates (Form VI-IN)	44	44	✓	✓
14.	Laboratory Control Sample (Form VII-IN)	45	45	✓	✓
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	46	46	✓	✓
16.	Method Detection Limit (Annually) (Form IX-IN)	47	49	✓	✓
17.	ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)	50	50	✓	✓
18.	ICP-AES Interelement Correction Factors (Annually) (Form XB-IN)	51	51	✓	✓
19.	Internal Standard Association (Form XI-IN)	—	—	—	
20.	Preparation Log (Form XII-IN)	52	53	✓	✓
21.	Analysis Run Log (Form XIII-IN)	54	57	✓	✓
22.	ICP-MS Tune (Form XIV-IN)	—	—	—	

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
23. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	—	—	—	
24. Initial Calibration (Form XVI-IN)	58	63	✓	✓
25. ICP-AES Raw Data	64	145	✓	
26. ICP-MS Raw Data	—	—	—	✓
27. Mercury Raw Data	146	157	✓	
28. Cyanide Raw Data	—	—	—	
29. Preparation Logs Raw Data	158	242	✓	✓
30. Percent Solids Determination Log	—	—	—	
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments 3)	244	246	✓	✓
Sample Tags	247	254	✓	✓
Sample Log-In Sheet (Lab)	255	257	✓	✓
32. Misc. Shipping/Receiving Records (list all individual records)				
Communication Logs				
Custody Seal	258	260	✓	✓
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
Sample Custody Log/Internal COC	261	263	✓	✓
34. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records (Digestion/Prep Log Book)	158	161	✓	✓
Analysis Records (Instrument Run Log)	162	167	✓	✓
PE Instructions	—			
Description (Standard Prep Logs)	168	242	✓	✓
35. Other Records (describe or list)				
Communication Logs				
Modified Analysis Sheet pH Run Log Page	243	243	✓	✓

36. Comments:

Completed by: (CLP Lab) (Signature) PARVEEN HASAN, QAO (Print Name & Title) 7/17/10 (Date)

Audited by: ~~(USEPA)~~ ESAT (Signature) Sonya Meekins/Data Reviewer (Print Name & Title) 7/23/10 (Date)

Form DC-2-2 ISM01.1 (7/08)

000000002

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW09035	Case #: 40275	SDG #: MF3JJ4

SDG NARRATIVE

SAMPLE RECIEPT & LOGIN

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

Client Sample	*Lab Sample*	*Matrix*	*#Cont.*	*Received*	*Analysis*	*Comments*
MF3JJ4	0012361-01	Water	1	06/23/10 10:00	ISM01.2 HG	1st Sx
					ISM01.2 ICPAES	
MF3JJ5	0012361-02	Water	2	06/23/10 10:00	ISM01.2 HG	MS/Dup
					ISM01.2 ICPAES	
MF3JJ6	0012361-03	Water	1	06/23/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JJ7	0012361-04	Water	1	06/23/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JJ8	0012361-05	Water	1	06/23/10 10:00	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JK2	0012361-06	Water	1	06/23/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JL1	0012361-07	Water	1	06/23/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JJ2	0012383-01	Water	1	06/24/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JJ3	0012383-02	Water	1	06/24/10 10:00	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JJ9	0012383-03	Water	1	06/24/10 10:00	ISM01.2 HG	
					ISM01.2 ICPAES	

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW09035	Case #: 40275	SDG #: MF3JJ4

SDG NARRATIVE

Client Sample	Lab Sample	Matrix	#Cont.	Received	Analysis	Comments
			1			
MF3JK0	0012383-04	Water		06/24/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JK3	0012383-05	Water	1	06/24/10 10:00	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JK4	0012383-06	Water		06/24/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JK5	0012383-07	Water	1	06/24/10 10:00	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JK1	0012393-01	Water	1	06/25/10 09:45	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JK6	0012393-02	Water	1	06/25/10 09:45	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JK7	0012393-03	Water	1	06/25/10 09:45	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JK8	0012393-04	Water	1	06/25/10 09:45	ISM01.2 ICPAES	
					ISM01.2 HG	
MF3JK9	0012393-05	Water	1	06/25/10 09:45	ISM01.2 HG	
					ISM01.2 ICPAES	
MF3JL0	0012393-06	Water	1	06/25/10 09:45	ISM01.2 HG	
					ISM01.2 ICPAES	

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW09035	Case #: 40275	SDG #: MF3JJ4

SDG NARRATIVE

Sample Receiving and Log In Issue:

There was no issue encountered during sample receive and log in.

Sample Analysis & SOW Followed:

All samples were analyzed and reported as per SOW ISM01.2. As well as all samples were prepared and analyzed with in the contractual holding times.

pH

pH for all water samples verified. pH for all Metals samples found <2.

MERCURY

Water samples were digested by Hot-Block technique (CW1) and analyzed using a Perkin Elmer FIMs-100

MS and DUP were performed on sample "MF3JJ5" and they were within the QC limits.

No problems were encountered during sample preparation or analysis.

ICP-AES

Water Samples were digested by Hot-Block technique (HW1) and analyzed using a Thermo Electron ICAP6500.

MS, DUP and Serial Dilution were performed on sample "MF3JJ5" and they were within the QC limits except for the Iron.

No problems were encountered during sample preparation or analysis.

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW09035	Case #: 40275	SDG #: MF3JJ4

SDG NARRATIVE

The following equations are used for calculation of sample results from raw instrument output data:

MERCURY

WATER Samples:

A standard curve is prepared by plotting the instrumental response of processed standards against true concentration values. Using a linear regression equation, the concentration of field and Quality Control (QC) samples is determined.

ICP-AES

WATER Samples:

Concentration (µg/L) = $C * \frac{V_f}{V_i} * DF$

Where,
C = Instrument value in µg/L
V_f = Final digestion volume (mL) (50ml)
V_i = Initial digestion volume (mL) (50ml)
DF = Dilution Factor

The following equations are used for calculation of sample results from raw instrument output data:

MERCURY
WATER Samples:

A standard curve is prepared by plotting the instrumental response of processed standards against true concentration values. Using a linear regression equation, the concentration of field and Quality Control (QC) samples is determined.

ICP-AES
WATER Samples:

Concentration (µg/L) = $C * \frac{V_f}{V_i} * DF$

Where,
C = Instrument value in µg/L
V_f = Final digestion volume (mL) (50ml)
V_i = Initial digestion volume (mL) (50ml)
DF = Dilution Factor

12383-A

SAMPLE LOG-IN SHEET

Lab Name: A4 SCIENTIFIC, INC		Page 1 of 1
Received By (Print Name): Ramkishor Koyyada		Log-in Date 6/24/10
Received By (Signature) Kishor		
Case Number 40275	Sample Delivery Group No. MF3JJ4	Mod. Ref. No. NA

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal NOs.	NA / ↓
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	8705369354 91
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	4°C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	6/24/10
12. Time Received	10:00

Sample Transfer			
Fraction	Metals	Fraction	
Area#	Cooler A	Area#	
By	Kishor	By	RK 6/24/10
On	6/24/10	On	

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MF3JJ2	L2	234520	0012383-01	1-1L plastic intact
2	J3		205	-02	
3	J9		236	-03	
4	K0		240	-04	
5	K3		242	-05	
6	K4		256	-06	
7	K5		260	-07	
8					
9					
10					
11					
12					
13					
14				RK 6/24/10	
15					
16					
17					
18					
19					
20					
21					
22					

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 7/2/10	Logbook Page No. N/A

12393-A

SAMPLE LOG-IN SHEET

Lab Name: A4 SCIENTIFIC, INC		Page 1 of 1
Received By (Print Name): Ramkishor Koyyada		Log-in Date 6/25/10
Received By (Signature) Kishore		
Case Number 40275	Sample Delivery Group No. MF3JJ4	Mod. Ref. No. NA

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal NOs.	NA ↓
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill Sticker Present/Absent*
5. Airbill No.	8705 3693 5470
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	4°C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	6/25/10
12. Time Received	9:45

Sample Transfer			
Fraction	Metals	Fraction	
Area#	Cooler A	Area#	
By	Kishore	By	6/25/10
On	6/25/10	On	

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MF3JK1	<2	6845244	0012393-01	1-1L plastic INTACT
2	K6	↓	264	-02	↓
3	K7	↓	268	-03	↓
4	K8	↓	272	-04	↓
5	K9	↓	276	-05	↓
6	L0	↓	280	-06	↓
7					
8					
9					
10					
11					
12					
13					
14				Rec 6/25/10	
15					
16					
17					
18					
19					
20					
21					
22					

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 9/2/10	Logbook Page No. N/A

12361-A

SAMPLE LOG-IN SHEET

Lab Name: A4 SCIENTIFIC, INC		Page 1 of 1
Received By (Print Name): Ramkishor Koyyada		Log-in Date 6/23/10
Received By (Signature) Kishore		
Case Number 40275	Sample Delivery Group No. MF3JJ4	Mod. Ref. No. NA

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal NOs.	NA
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	8705 3693 5480
6. Sample Tags	Present/Absent*
Sample Tag Numbers	Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	4°C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	6/23/10
12. Time Received	10:00

Sample Transfer			
Fraction	Metals	Fraction	
Area#	Cooler A	Area#	
By	Kishore	By	RK 6/23/10
On	6/23/10	On	

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MF3JJ4	<2	6-345209	0012361-01	1-1L plastic Intact
2	J5		6-345213 to 214	-02	2-1L plastic
3	J6		6-345224	-03	1-1L plastic
4	J7		228	-04	
5	J8		232	-05	
6	K2		248	-06	
7	L1		284	-07	
8					
9					
10					
11					
12					
13					
14					RK 6/23/10
15					
16					
17					
18					
19					
20					
21					
22					

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 7/2/10	Logbook Page No. N/A

SAMPLE DELIVERY GROUP (SDG)
COVER SHEET

SDG Number: MF3JJ4

☒ **ICP-AES Analysis** ☐ **ICP-MS Analysis**

Laboratory Name: A4 SCIENTIFIC, INC. **Laboratory Code:** A4

Contract No.: EPW09035 **Case No.:** 40275

Analysis Price: **SDG Turnaround:** 7 days

Modified Analysis (if applicable):

Modification Reference No.: N/A

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MF3JJ2	7) MF3JJ8	13) MF3JK4	19) MF3JL0
2) MF3JJ3	8) MF3JJ9	14) MF3JK5	20) MF3JL1
3) MF3JJ4	9) MF3JK0	15) MF3JK6	21)
4) MF3JJ5	10) MF3JK1	16) MF3JK7	22)
5) MF3JJ6	11) MF3JK2	17) MF3JK8	23)
6) MF3JJ7	12) MF3JK3	18) MF3JK9	24)

MF3JJ4	MF3JL0
First Sample in SDG	**Last Sample in SDG**
06/23/2010	06/25/2010
First Sample Receipt Date	**Last Sample Receipt Date**

Note: *There are a maximum of 20* ***field*** *samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Kishore 6/28/10

Signature **Date**

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

(1)

Case No: 40275
DAS No:
SDG No: MF3JJ4 L

Date Shipped:	6/22/2010
Carrier Name:	FedEx
Airbill:	870536935480
Shipped to:	A4 Scientific, Inc. 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: Shelley Stratmann

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Gary Hazlewood	(6-22-10 / 1800 hrs)	Kishore	6/23/10, 10100
2			
3		Re 6/23/10	
4			

For Lab Use Only

Lab Contract No: EPW09035
Unit Price:
Transfer To:
Lab Contract No: Re 6/23/10
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF3JJ4	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345209 (HNO3) (1)	GW-33	S: 6/22/2010	10:15	F3JJ4	0012361-01 1st Ex mSDG#
MF3JJ5	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345213 (HNO3), 6-345214 (HNO3) (2)	GW-34	S: 6/22/2010	10:58	F3JJ5	-02
MF3JJ6	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345224 (HNO3) (1)	GW-35	S: 6/22/2010	11:10	F3JJ6	-03
MF3JJ7	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345228 (HNO3) (1)	GW-36	S: 6/22/2010	9:22	F3JJ7	-04
MF3JJ8	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345232 (HNO3) (1)	GW-37	S: 6/22/2010	15:35	F3JJ8	-05
MF3JK2	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345248 (HNO3) (1)	GW-41	S: 6/22/2010	12:12	F3JK2	-06
MF3JL1	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345284 (HNO3) (1)	GW-50	S: 6/22/2010	14:16	F3JL1	-07

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number:
	MF3JJ5			NA

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TM/HG = CLP TCL Total Metals/Mercury

TR Number: 6-043013577-062210-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

2

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40275
DAS No:
SDG No: MF3JJ4 **L**

Date Shipped:	6/23/2010
Carrier Name:	FedEx
Airbill:	870536935491
Shipped to:	A4 Scientific, Inc. 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	(6-23-10 / 1800 Hrs)	Kishna	6/24/10, 10:00
2			
3		Re 6/24/10	
4			

For Lab Use Only

Lab Contract No:	EPW09035
Unit Price:	
Transfer To:	
Lab Contract No:	Re 6/24/10
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF3JJ2	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345201 (HNO3) (1)	GW-31	S: 6/23/2010 11:00	F3JJ2	0012383-01
MF3JJ3	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345205 (HNO3) (1)	GW-32	S: 6/23/2010 9:55	F3JJ3	-02
MF3JJ9	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345236 (HNO3) (1)	GW-38	S: 6/23/2010 8:44	F3JJ9	-03
MF3JK0	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345240 (HNO3) (1)	GW-39	S: 6/23/2010 8:30	F3JK0	-04
MF3JK3	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345252 (HNO3) (1)	GW-42	S: 6/23/2010 12:20	F3JK3	-05
MF3JK4	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345256 (HNO3) (1)	GW-43	S: 6/23/2010 14:44	F3JK4	-06
MF3JK5	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345260 (HNO3) (1)	GW-44	S: 6/23/2010 15:35	F3JK5	-07

Shipment for Case complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: NA
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TM/HG = CLP TCL Total Metals/Mercury

TR Number: 6-043013577-062310-0002

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40275
DAS No:
SDG No: 10F3JJ4 **L**

Date Shipped:	6/24/2010
Carrier Name:	FedEx
Airbill:	870536935470
Shipped to:	A4 Scientific, Inc. 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: Shelley Stratmann

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Gary Hazlewood	(6-24-10/1330 Hours)	Kishore	6/25/10, 9:45
2			
3		Re 6/25/10	
4			

For Lab Use Only

Lab Contract No:	EPW09035
Unit Price:	
Transfer To:	
Lab Contract No:	Re 6/25/10
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF3JK1	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345244 (HNO3) (1)	GW-40	S: 6/24/2010 10:00	F3JK1	0012393-01
MF3JK6	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345264 (HNO3) (1)	GW-45	S: 6/24/2010 8:58	F3JK6	-02
MF3JK7	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345268 (HNO3) (1)	GW-46	S: 6/24/2010 8:45	F3JK7	-03
MF3JK8	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345272 (HNO3) (1)	GW-47	S: 6/24/2010 10:32	F3JK8	-04
MF3JK9	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345276 (HNO3) (1)	GW-48	S: 6/24/2010 11:20	F3JK9	-05
MF3JL0	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345280 (HNO3) (1)	GW-49	S: 6/24/2010 8:18	F3JL0	-06

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: NA
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

TM/HG = CLP TCL Total Metals/Mercury

TR Number: 6-043013577-062410-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA - CLP

COVER PAGE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

SOW No.: ISM01.2

EPA Sample No.	Lab Sample ID
MF3JJ2	0012383-01
MF3JJ2	0012383-01
MF3JJ3	0012383-02
MF3JJ4	0012361-01
MF3JJ5	0012361-02
MF3JJ5D	0060300-DUP1
MF3JJ5S	0060300-MS1
MF3JJ6	0012361-03
MF3JJ7	0012361-04
MF3JJ8	0012361-05
MF3JJ9	0012383-03
MF3JK0	0012383-04
MF3JK1	0012393-01
MF3JK2	0012361-06
MF3JK3	0012383-05
MF3JK4	0012383-06
MF3JK5	0012383-07
MF3JK6	0012393-02
MF3JK7	0012393-03
MF3JK8	0012393-04
MF3JK9	0012393-05
MF3JL0	0012393-06
MF3JL1	0012361-07

		ICP-AES	ICP-MS
Were ICP-AES and ICP interelement corrections applied?	(Yes/No)	Yes	
Were ICP-AES and ICP background corrections applied?	(Yes/No)	Yes	
If yes, were raw data generated before application of background corrections?	(Yes/No)	No	

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

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

Signature: Name: Parveen Hasan

Date: 7/17/10 Title: QA Manager

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-01

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	167	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	161000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	147			P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	10200			P
7439-96-5	Manganese	39.8			P
7439-97-6	Mercury	0.061	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	16300			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	59.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-02

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	170	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	8.4	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	8130			P
7439-96-5	Manganese	15.9			P
7439-97-6	Mercury	0.067	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	16300			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-01

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	13.5	J		P
7439-89-6	Iron	127			P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	3630	J		P
7439-96-5	Manganese	13.0	J		P
7439-97-6	Mercury	0.057	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	6600			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-02

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	138	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	121000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	59.8			P
7439-89-6	Iron	373			P
7439-92-1	Lead	8.1	J		P
7439-95-4	Magnesium	3120	J		P
7439-96-5	Manganese	14.3	J		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	4950	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	22.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-03

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	142	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	13.0	J		P
7439-89-6	Iron	324			P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	3220	J		P
7439-96-5	Manganese	12.6	J		P
7439-97-6	Mercury	0.060	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	5080			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-04

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	102	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	170000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	33.1			P
7439-89-6	Iron	41.1	J		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	3110	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.056	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	11200			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-05

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	140	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	121000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	4570	J		P
7439-96-5	Manganese	11.7	J		P
7439-97-6	Mercury	0.063	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	8700			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JJ9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-03

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	258000			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-04

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.058	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	257000			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-01

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	163	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.6	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	7840			P
7439-96-5	Manganese	8.2	J		P
7439-97-6	Mercury	0.059	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	9470			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-06

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	116	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	153000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	15.9	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	3440	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.066	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	8160			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-05

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	125	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	53.4	J		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	13200			P
7439-96-5	Manganese	10.3	J		P
7439-97-6	Mercury	0.067	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	27200			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-06

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	122	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	151000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	4190	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.057	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	9180			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012383-07

% Solids: Date Received: 06/24/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	19.8	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	129000			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-02

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	93.4	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	138000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	2930	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.066	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	8280			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	37.6	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-03

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	92.9	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	2890	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	8180			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	28.4	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-04

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	48800			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	16500			P
7439-96-5	Manganese	8.6	J		P
7439-97-6	Mercury	0.062	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2220	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	49600			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JK9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-05

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	189	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	172000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	6250			P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.056	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	9610			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	25.7	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JL0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012393-06

% Solids: Date Received: 06/25/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	195	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	40.5			P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	4.5	J		P
7439-95-4	Magnesium	2750	J		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.057	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	5720			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3JL1

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water Lab Sample ID: 0012361-07

% Solids: Date Received: 06/23/2010

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

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	41.9			P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.057	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3040	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	151000			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

Comments:

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Initial Calibration Verification Source: QATS, Lot: ICV-1(0307)

Continuing Calibration Verification Source: A4, Lot: A002036

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.00	2720	108	75000.0	74900	100	76300	102	P
Antimony	994.000	1020	103	3000.00	3030	101	3040	101	P
Arsenic	999.000	993	99	500.000	504	101	503	101	P
Barium	497.000	524	105	2500.00	2560	102	2570	103	P
Beryllium	495.000	509	103	250.000	253	101	257	103	P
Cadmium	496.000	528	107	250.000	251	100	250	100	P
Calcium	10026.0	10700	106	75000.0	77900	104	79300	106	P
Chromium	490.000	511	104	500.000	507	101	514	103	P
Cobalt	499.000	497	100	2500.00	2500	100	2520	101	P
Copper	492.000	482	98	1250.00	1210	97	1230	98	P
Iron	5082.00	5570	110	50000.0	52200	104	52800	106	P
Lead	1002.00	1000	100	500.000	506	101	510	102	P
Magnesium	6074.00	6230	103	75000.0	74500	99	75600	101	P
Manganese	499.000	515	103	750.000	761	102	772	103	P
Nickel	503.000	504	100	2000.00	2010	101	2020	101	P
Potassium	10021.0	9830	98	25000.0	24600	98	25100	100	P
Selenium	1029.00	1050	102	1750.00	1820	104	1810	104	P
Silver	501.000	498	99	500.000	487	97	493	99	P
Sodium	10097.0	9760	97	25000.0	24900	100	25100	100	P
Thallium	1028.00	1070	104	1250.00	1310	105	1330	106	P
Vanadium	501.000	508	101	2500.00	2490	100	2540	102	P
Zinc	1025.00	983	96	3000.00	3040	101	3050	102	P

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

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Initial Calibration Verification Source: QATS, Lot: ICV-1(0307)

Continuing Calibration Verification Source: A4, Lot: A002036

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				75000.0	75800	101			P
Antimony				3000.00	3040	101			P
Arsenic				500.000	504	101			P
Barium				2500.00	2560	102			P
Beryllium				250.000	255	102			P
Cadmium				250.000	251	100			P
Calcium				75000.0	78700	105			P
Chromium				500.000	513	103			P
Cobalt				2500.00	2520	101			P
Copper				1250.00	1230	98			P
Iron				50000.0	52500	105			P
Lead				500.000	511	102			P
Magnesium				75000.0	75200	100			P
Manganese				750.000	771	103			P
Nickel				2000.00	2030	101			P
Potassium				25000.0	25000	100			P
Selenium				1750.00	1820	104			P
Silver				500.000	491	98			P
Sodium				25000.0	25000	100			P
Thallium				1250.00	1330	106			P
Vanadium				2500.00	2530	101			P
Zinc				3000.00	3060	102			P

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

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Initial Calibration Verification Source: QATS, Lot: ICV-5(0508)

Continuing Calibration Verification Source: A4, Lot: A002028

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	4.00000	4.2	104	5.00000	5.1	101	5.1	102	CV

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

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Initial Calibration Verification Source: QATS, Lot: ICV-5(0508)

Continuing Calibration Verification Source: A4, Lot: A002028

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.00000	5.1	103	5.1	102	CV

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

USEPA - CLP

3-IN
BLANKS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Preparation Blank Matrix (soil/water/wipe/filter): Water

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200	U	200	U	200	U	200	U	200	U	P
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	P
Arsenic	10	U	10	U	10	U	10	U	10	U	P
Barium	200	U	200	U	200	U	200	U	200	U	P
Beryllium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Calcium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Chromium	10	U	10	U	10	U	10	U	10	U	P
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	P
Copper	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Iron	100	U	100	U	100	U	100	U	100	U	P
Lead	10	U	10	U	10	U	10	U	10	U	P
Magnesium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Manganese	15.0	U	15.0	U	15.0	U	15.0	U	15.0	U	P
Nickel	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Potassium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Selenium	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	P
Silver	10	U	10	U	10	U	10	U	10	U	P
Sodium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Vanadium	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	P
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	P

USEPA - CLP

3-IN
BLANKS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: _____ SDG No.: MF3JJ4

Preparation Blank Matrix (soil/water/wipe/filter): Water

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	CV

USEPA - CLP

3-IN
BLANKS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Preparation Blank Matrix (soil/water/wipe/filter): Water

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Mercury			0.20	U							CV

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

ICP-AES Instrument ID: B-ICAP6500 ICSA Source: QATS, Lot:PART A (1206)

ICSB Source: QATS, Lot:PART A (1206)& PART B (020

Concentration Units: ug/L

Analyte	True		Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Aluminum	244100	241100	251000	103	248000	103
Antimony	0	589	-16		589	100
Arsenic	0	101	1.1		101	100
Barium	2	495	-5.0	-250	493	100
Beryllium	0	475	0.61		502	106
Cadmium	0	940	-0.84		1040	111
Calcium	234900	231100	251000	107	250000	108
Chromium	43	511	45.7	106	551	108
Cobalt	4	461	-2.8	-70	501	109
Copper	23	548	19.1	83	516	94
Iron	95600	94800	102000	107	102000	108
Lead	10	61	11.4	114	62.1	102
Magnesium	247500	251100	255000	103	255000	102
Manganese	19	502	15.3	81	528	105
Nickel	21	984	17.0	81	1040	106
Potassium	0	0	-110		-120	
Selenium	0	53	-8.3		41.8	79
Silver	0	206	-1.7		206	100
Sodium	0	0	735		719	
Thallium	0	103	-3.4		101	98
Vanadium	0	494	-11		498	101
Zinc	28	1028	26.6	95	1030	100

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MF3JJ5S

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water

% Solids for Sample:

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1890		200	U	2000	95		P
Antimony	75-125	100		60.0	U	100	100		P
Arsenic	75-125	40.9		10	U	40.0	102		P
Barium	75-125	2180		138	J	2000	102		P
Beryllium	75-125	51.1		5.0	U	50.0	102		P
Cadmium	75-125	48.6		5.0	U	50.0	97		P
Chromium	75-125	207		10	U	200	104		P
Cobalt	75-125	489		50.0	U	500	98		P
Copper	75-125	297		59.8		250	95		P
Iron	75-125	1570		373		1000	120		P
Lead	75-125	25.8		8.1	J	20.0	89		P
Manganese	75-125	523		14.3	J	500	102		P
Mercury	75-125	1.0		0.20	U	1.00	100		CV
Nickel	75-125	496		40.0	U	500	99		P
Selenium	75-125	54.4		35.0	U	50.0	109		P
Silver	75-125	44.0		10	U	50.0	88		P
Thallium	75-125	51.9		25.0	U	50.0	104		P
Vanadium	75-125	502		50.0	U	500	100		P
Zinc	75-125	499		22.2	J	500	95		P

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

MF3JJ5D

Lab Name: A4 SCIENTIFIC, INC. Contract EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: _____ SDG No.: MF3JJ4

Matrix: Water

% Solids for Sample: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		200	U	200	U			P
Antimony		60.0	U	60.0	U			P
Arsenic		10	U	10	U			P
Barium		138	J	142	J	3		P
Beryllium		5.0	U	5.0	U			P
Cadmium		5.0	U	5.0	U			P
Calcium		121000		124000		2		P
Chromium		10	U	10	U			P
Cobalt		50.0	U	50.0	U			P
Copper	25.0	59.8		60.0		0		P
Iron	100	373		381		2		P
Lead		8.1	J	7.3	J	10		P
Magnesium		3120	J	3200	J	3		P
Manganese		14.3	J	14.6	J	2		P
Mercury		0.20	U	0.062	J	200		CV
Nickel		40.0	U	40.0	U			P
Potassium		5000	U	5000	U			P
Selenium		35.0	U	35.0	U			P
Silver		10	U	10	U			P
Sodium	5000	4950	J	5090		3		P
Thallium		25.0	U	25.0	U			P
Vanadium		50.0	U	50.0	U			P
Zinc		22.2	J	22.0	J	1		P

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Analyte	Aqueous/Water (ug/L), Soil/Sediment (mg/kg), Wipe/Filter (ug)		
	True	Found	%R
Aluminum	400.000	291	73
Antimony	120.000	125	104
Arsenic	20.0000	21.0	105
Barium	400.000	393	98
Beryllium	10.0000	10.3	103
Cadmium	10.0000	10.4	104
Calcium	10000.0	10200	102
Chromium	20.0000	21.7	109
Cobalt	100.000	102	102
Copper	50.0000	50.6	101
Iron	200.000	167	84
Lead	20.0000	20.6	103
Magnesium	10000.0	9860	99
Manganese	30.0000	32.1	107
Nickel	80.0000	82.7	103
Potassium	10000.0	9630	96
Selenium	70.0000	75.7	108
Silver	20.0000	20.0	100
Sodium	10000.0	9600	96
Thallium	50.0000	55.4	111
Vanadium	100.000	104	104
Zinc	120.000	120	100

USEPA - CLP

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MF3JJ5L

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Matrix: Water

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	200	U	1000	U			P
Antimony	60.0	U	300	U			P
Arsenic	10.0	U	50.0	U			P
Barium	138	J	143	J	3		P
Beryllium	5.0	U	25.0	U			P
Cadmium	5.0	U	25.0	U			P
Calcium	121000		124000		3		P
Chromium	10.0	U	50.0	U			P
Cobalt	50.0	U	250	U			P
Copper	59.8		61.3	J	3		P
Iron	373		191	J	49		P
Lead	8.1	J	11.2	J	37		P
Magnesium	3120	J	2740	J	12		P
Manganese	14.3	J	15.4	J	8		P
Nickel	40.0	U	200	U			P
Potassium	5000	U	25000	U			P
Selenium	35.0	U	175	U			P
Silver	10.0	U	50.0	U			P
Sodium	4950	J	4960	J	0		P
Thallium	25.0	U	125	U			P
Vanadium	50.0	U	250	U			P
Zinc	22.2	J	23.0	J	4		P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument Type: CV Instrument ID: A-FIMS100 Date: 02/03/2010

Preparation Method: 7470A

Concentration Units (ug/L, mg/kg, or ug): ug/L

Analyte	Wavelength/Mass	MDL
Mercury	253.70 nm	0.056

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument Type: P Instrument ID: B-ICAP6500 Date: 02/01/2010

Preparation Method: 200.7

Concentration Units (ug/L, mg/kg, or ug): ug/L

Analyte	Wavelength/Mass	MDL
Aluminum	396.15 nm	86.3
Antimony	206.83 nm	19.3
Arsenic	189.04 nm	2.7
Barium	455.40 nm	75.5
Beryllium	313.04 nm	1.8
Cadmium	228.80 nm	1.7
Calcium	317.93 nm	2020
Chromium	267.72 nm	3.0
Cobalt	228.62 nm	15.6
Copper	324.75 nm	7.3
Iron	259.94 nm	38.4
Lead	220.35 nm	4.4
Manganese	257.61 nm	4.9
Nickel	231.60 nm	12.6
Potassium	766.49 nm	2030
Selenium	196.09 nm	12.8
Silver	328.07 nm	3.3
Sodium	589.59 nm	1720
Thallium	190.86 nm	8.8
Vanadium	292.40 nm	15.9
Zinc	206.20 nm	20.2

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument Type: P Instrument ID: B-ICAP6500 Date: 02/01/2010

Preparation Method: Not-Prepared

Concentration Units (ug/L, mg/kg, or ug): ug/L

Analyte	Wavelength/Mass	MDL
Aluminum	396.15 nm	86.3
Antimony	206.83 nm	19.3
Arsenic	189.04 nm	2.7
Barium	455.40 nm	75.5
Beryllium	313.04 nm	1.8
Cadmium	228.80 nm	1.7
Chromium	267.72 nm	3.0
Cobalt	228.62 nm	15.6
Copper	324.75 nm	7.3
Iron	259.94 nm	38.4
Lead	220.35 nm	4.4
Magnesium	279.08 nm	1850
Manganese	257.61 nm	4.9
Nickel	231.60 nm	12.6
Potassium	766.49 nm	2030
Selenium	196.09 nm	12.8
Silver	328.07 nm	3.3
Sodium	589.59 nm	1720
Thallium	190.86 nm	8.8
Vanadium	292.40 nm	15.9
Zinc	206.20 nm	20.2

Comments:

Form IX-IN ISM01.2 (1/10)

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

ICP-AES Instrument ID: B-ICAP6500 Date: 01/31/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	K
Aluminum	396.15	0.0000000	0.0000000	0.0013490	0.0002260	
Antimony	206.83	0.0000160	0.0000050	0.0001590	0.0000050	
Arsenic	189.04	0.0000020	0.0000020	0.0000000	0.0000030	
Barium	455.40	0.0000030	0.0000040	0.0000520	0.0000010	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.93	0.0001520	0.0000000	0.0015590	0.0005780	
Chromium	267.72	0.0000010	0.0000030	0.0000030	0.0000060	
Cobalt	228.62	0.0000070	0.0000010	0.0000510	0.0000020	
Copper	324.75	0.0000020	0.0000030	0.0000000	0.0000040	
Iron	259.94	0.0002520	0.0001090	0.0000000	0.0000620	
Lead	220.35	0.0002230	0.0000030	0.0000280	0.0000000	
Magnesium	279.08	0.0001070	0.0000320	0.0013140	0.0000000	
Magnesium	279.08	0.0001070	0.0000320	0.0013140	0.0000000	
Manganese	257.61	0.0000010	0.0000010	0.0000260	0.0000300	
Nickel	231.60	0.0000090	0.0000020	0.0000110	0.0000040	
Potassium	766.49	0.0000350	0.0000300	0.0005590	0.0000000	
Selenium	196.09	0.0000020	0.0000020	0.0000000	0.0000000	
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	589.59	0.0000620	0.0000480	0.0005830	0.0000260	
Thallium	190.86	0.0000060	0.0000010	0.0000270	0.0000000	
Vanadium	292.40	0.0000070	0.0000030	0.0000750	0.0000010	
Zinc	206.20	0.0000080	0.0000030	0.0000450	0.0000020	

Comments:

FORM XA-IN ISM01.2 (1/10)

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

ICP-AES Instrument ID: B-ICAP6500 Date: 01/31/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Na				
Aluminum	396.15					
Antimony	206.83					
Arsenic	189.04					
Barium	455.40					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.08					
Magnesium	279.08					
Manganese	257.61					
Nickel	231.60					
Potassium	766.49					
Selenium	196.09					
Silver	328.07					
Sodium	589.59					
Thallium	190.86					
Vanadium	292.40					
Zinc	206.20					

FORM XB-IN ISM01.2
(1/10)

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Preparation Method: 200.7

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
LCS	06/25/2010	50.00	50.00
MF3JJ2	06/25/2010	50.00	50.00
MF3JJ3	06/25/2010	50.00	50.00
MF3JJ4	06/25/2010	50.00	50.00
MF3JJ5	06/25/2010	50.00	50.00
MF3JJ5D	06/25/2010	50.00	50.00
MF3JJ5S	06/25/2010	50.00	50.00
MF3JJ6	06/25/2010	50.00	50.00
MF3JJ7	06/25/2010	50.00	50.00
MF3JJ8	06/25/2010	50.00	50.00
MF3JJ9	06/25/2010	50.00	50.00
MF3JK0	06/25/2010	50.00	50.00
MF3JK1	06/25/2010	50.00	50.00
MF3JK2	06/25/2010	50.00	50.00
MF3JK3	06/25/2010	50.00	50.00
MF3JK4	06/25/2010	50.00	50.00
MF3JK5	06/25/2010	50.00	50.00
MF3JK6	06/25/2010	50.00	50.00
MF3JK7	06/25/2010	50.00	50.00
MF3JK8	06/25/2010	50.00	50.00
MF3JK9	06/25/2010	50.00	50.00
MF3JL0	06/25/2010	50.00	50.00
MF3JL1	06/25/2010	50.00	50.00
PBW	06/25/2010	50.00	50.00

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: _____ SDG No.: MF3JJ4

Preparation Method: 7470A

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
CCB	06/29/2010	50.00	50.00
CCV	06/29/2010	50.00	50.00
ICB	06/29/2010	50.00	50.00
ICV	06/29/2010	50.00	50.00
MF3JJ2	06/29/2010	50.00	50.00
MF3JJ3	06/29/2010	50.00	50.00
MF3JJ4	06/29/2010	50.00	50.00
MF3JJ5	06/29/2010	50.00	50.00
MF3JJ5D	06/29/2010	50.00	50.00
MF3JJ5S	06/29/2010	50.00	50.00
MF3JJ6	06/29/2010	50.00	50.00
MF3JJ7	06/29/2010	50.00	50.00
MF3JJ8	06/29/2010	50.00	50.00
MF3JJ9	06/29/2010	50.00	50.00
MF3JK0	06/29/2010	50.00	50.00
MF3JK1	06/29/2010	50.00	50.00
MF3JK2	06/29/2010	50.00	50.00
MF3JK3	06/29/2010	50.00	50.00
MF3JK4	06/29/2010	50.00	50.00
MF3JK5	06/29/2010	50.00	50.00
MF3JK6	06/29/2010	50.00	50.00
MF3JK7	06/29/2010	50.00	50.00
MF3JK8	06/29/2010	50.00	50.00
MF3JK9	06/29/2010	50.00	50.00
MF3JL0	06/29/2010	50.00	50.00
MF3JL1	06/29/2010	50.00	50.00

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: B-ICAP6500 Analysis Method: P

Start Date: 06/25/2010 End Date: 06/25/2010

EPA Sample NO.	D/F	Time	Analytes																								
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
S0	1	14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1	14:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1	15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1	15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1	15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1	15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICV	1	15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB	1	15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSA	1	15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1	15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1	15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1	15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
PBW	1	15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LCS	1	15:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ5	1	15:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ5D	1	15:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ5S	1	16:03	X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X			
MF3JJ5L	5	16:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ4	1	16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ6	1	16:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ7	1	16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ8	1	16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK2	1	16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JL1	1	16:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ2	1	16:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ3	1	16:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JJ9	1	16:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK0	1	16:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK3	1	16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK4	1	17:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK5	1	17:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK1	1	17:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK6	1	17:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK7	1	17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JK8	1	17:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1	17:27																										

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: B-ICAP6500 Analysis Method: P

Start Date: 06/25/2010 End Date: 06/25/2010

EPA Sample NO.	D/F	Time	Analytes																									
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
ZZZZZZ	1	17:31																										
MF3JK9	1	17:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1	17:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1	17:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MF3JL0	1	17:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1	17:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1	17:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: A-FIMS100 Analysis Method: CV

Start Date: 06/29/2010 End Date: 06/29/2010

EPA Sample NO.	D/F	Time	Analytes																									
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
S0	1	14:52															X											
S0.2	1	14:54															X											
S0.5	1	14:55															X											
S1.0	1	14:57															X											
S2.0	1	14:58															X											
S5.0	1	14:59															X											
S10.0	1	15:01															X											
ICV	1	15:02															X											
ICB	1	15:04															X											
CCV	1	15:05															X											
CCB	1	15:07															X											
PBW	1	15:08															X											
MF3JJ4	1	15:09															X											
MF3JJ5	1	15:11															X											
MF3JJ5D	1	15:12															X											
MF3JJ5S	1	15:14															X											
MF3JJ6	1	15:15															X											
MF3JJ7	1	15:16															X											
MF3JJ8	1	15:18															X											
MF3JK2	1	15:19															X											
MF3JL1	1	15:21															X											
CCV	1	15:22															X											
CCB	1	15:23															X											
MF3JJ2	1	15:25															X											
MF3JJ3	1	15:26															X											
MF3JJ9	1	15:28															X											
MF3JK0	1	15:29															X											
MF3JK3	1	15:30															X											
MF3JK4	1	15:32															X											
MF3JK5	1	15:33															X											
MF3JK1	1	15:35															X											
MF3JK6	1	15:36															X											
MF3JK7	1	15:37															X											
CCV	1	15:39															X											
CCB	1	15:40															X											
MF3JK8	1	15:42															X											

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: A-FIMS100 Analysis Method: CV

Start Date: 06/29/2010 End Date: 06/29/2010

EPA Sample NO.	D/F	Time	Analytes																									
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
MF3JK9	1	15:43															X											
MF3JL0	1	15:45															X											
ZZZZZZ	1	15:46																										
ZZZZZZ	1	15:47																										
ZZZZZZ	1	15:49																										
CCV	1	15:50															X											
CCB	1	15:52															X											

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: A-FIMS100 Start Date: 06/29/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Mercury	0.0	0.0040635		0.20	0.199347	0	0.50	0.506805	-1

Control Limits +/- 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: A~FIMS100 Start Date: 06/29/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Mercury	1.0	0.988831	1	2.0	1.98693	1	5.0	5.02141	0

Control Limits +/- 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: A-FIMS100 Start Date: 06/29/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Mercury	10.0	9.99261	0						

Control Limits +/- 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.:MF3JJ4

Instrument ID: B-ICAP6500 Start Date:06/25/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.0	0.0065300		200	0.01268	100	15000	0.64404	100
Antimony	0.0	0.0001100		60.0	0.00667	100	600	0.06334	100
Arsenic	0.0	-0.0000900		10.0	0.00065	100	100	0.00677	100
Barium	0.0	-0.0003600		200	0.5671	100	500	1.3722	100
Beryllium	0.0	0.0008900		5.0	0.02489	100	50.0	0.24428	100
Cadmium	0.0	0.0000100		5.0	0.00607	100	50.0	0.05607	100
Calcium	0.0	0.0193400		500	0.071	100	15000	1.7221	100
Chromium	0.0	0.0000300		10.0	0.00132	100	100	0.01273	100
Cobalt	0.0	0.0002200		50.0	0.04403	100	500	0.4266	100
Copper	0.0	0.0016700		25.0	0.01146	100	250	0.09318	100
Iron	0.0	0.0048000		100	0.01248	100	10000	1.0481	100
Lead	0.0	-0.0002600		10.0	0.00167	100	100	0.01731	100
Magnesium	0.0	0.0012600		500	0.00608	100	15000	0.17162	100
Manganese	0.0	0.0001900		15.0	0.00932	100	150	0.08802	100
Nickel	0.0	0.0001400		40.0	0.02708	100	400	0.25892	100
Potassium	0.0	0.0030700		500	0.01286	100	5000	0.11219	100
Selenium	0.0	-0.0001200		35.0	0.0019	100	350	0.01848	100
Silver	0.0	0.0001400		10.0	0.00161	100	100	0.01408	100
Sodium	0.0	0.0011500		500	0.04502	100	5000	0.43087	100
Thallium	0.0	-0.0000700		25.0	0.00296	100	250	0.0293	100
Vanadium	0.0	0.0001100		50.0	0.00764	100	500	0.07427	100
Zinc	0.0	0.0003500		60.0	0.04325	100	600	0.42506	100

Control Limits +/- 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.:MF3JJ4

Instrument ID: B-ICAP6500 Start Date:06/25/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	75000	3.2717	100	150000	6.6335	100	300000	13.191	100
Antimony	3000	0.31963	100	6000	0.63443	100	12000	1.2751	100
Arsenic	500	0.03475	100	1000	0.07001	100	2000	0.14072	100
Barium	2500	6.9023	100	5000	13.776	100	10000	27.311	100
Beryllium	250	1.2188	100	500	2.4199	100	1000	4.8103	100
Cadmium	250	0.28514	100	500	0.56747	100	1000	1.1489	100
Calcium	75000	8.5742	100	150000	16.89	100	300000	32.714	100
Chromium	500	0.0652	100	1000	0.12668	100	2000	0.25137	100
Cobalt	2500	2.2246	100	5000	4.4495	100	10000	8.9713	100
Copper	1250	0.47989	100	2500	0.96762	100	5000	1.9769	100
Iron	50000	5.1484	100	100000	10.182	100	200000	19.389	100
Lead	500	0.09063	100	1000	0.17968	100	2000	0.35814	100
Magnesium	75000	0.86194	100	150000	1.7345	100	300000	3.4956	100
Manganese	750	0.44732	100	1500	0.86798	100	3000	1.721	100
Nickel	2000	1.3343	100	4000	2.6574	100	8000	5.3366	100
Potassium	25000	0.56473	100	50000	1.1443	100	100000	2.3263	100
Selenium	1750	0.09137	100	3500	0.18027	100	7000	0.35311	100
Silver	500	0.07132	100	1000	0.14169	100	2000	0.29333	100
Sodium	25000	2.1823	100	50000	4.4369	100	100000	8.9528	100
Thallium	1250	0.14877	100	2500	0.28722	100	5000	0.55763	100
Vanadium	2500	0.38517	100	5000	0.75498	100	10000	1.5188	100
Zinc	3000	2.2183	100	6000	4.4007	100	12000	8.7503	100

Control Limits +/- 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW09035

Lab Code: A4 Case No.: 40275 Mod. Ref. No.: SDG No.: MF3JJ4

Instrument ID: B-ICAP6500 Start Date: 06/25/2010

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									

Control Limits +/- 30%

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	B-ICAP6500	***Sequence:***	0F25005
		Logbook RCN #:	832-0203
		Logbook Page No(s).:	32
Start Date:	06/25/2010 14:53	***Analyst/Date:***	CV / 6-30-10
End Date:	06/25/2010 17:57	***Reviewer/Date:***	SM 06-30-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F25005-00	06/25/2010 14:53	B-ICAP6500	0F25005-CAL1	S0	1	
0F25005-00	06/25/2010 14:58	B-ICAP6500	0F25005-CAL2	S	1	
0F25005-00	06/25/2010 15:02	B-ICAP6500	0F25005-CAL3	S	1	
0F25005-00	06/25/2010 15:06	B-ICAP6500	0F25005-CAL4	S	1	
0F25005-00	06/25/2010 15:10	B-ICAP6500	0F25005-CAL5	S	1	
0F25005-00	06/25/2010 15:15	B-ICAP6500	0F25005-CAL6	S	1	
0F25005-00	06/25/2010 15:19	B-ICAP6500	0F25005-ICV1	ICV	1	
0F25005-00	06/25/2010 15:23	B-ICAP6500	0F25005-ICB1	ICB	1	
0F25005-00	06/25/2010 15:28	B-ICAP6500	0F25005-IFA1	ICSA	1	
0F25005-01	06/25/2010 15:32	B-ICAP6500	0F25005-IFB1	ICSAB	1	
0F25005-01	06/25/2010 15:37	B-ICAP6500	0F25005-CCV1	CCV	1	
0F25005-01	06/25/2010 15:41	B-ICAP6500	0F25005-CCB1	CCB	1	
0F25005-01	06/25/2010 15:45	B-ICAP6500	0060300-BLK1	PBW	1	
0F25005-01	06/25/2010 15:50	B-ICAP6500	0060300-BS1	LCSW	1	
0F25005-01	06/25/2010 15:54	B-ICAP6500	0012361-02	MF3JJ5	1	
0F25005-01	06/25/2010 15:58	B-ICAP6500	0060300-DUP1	MF3JJ5D	1	
0F25005-01	06/25/2010 16:03	B-ICAP6500	0060300-MS1	MF3JJ5S	1	
0F25005-01	06/25/2010 16:07	B-ICAP6500	0F25005-SRD1	MF3JJ5L	5	
0F25005-01	06/25/2010 16:11	B-ICAP6500	0012361-01	MF3JJ4	1	
0F25005-02	06/25/2010 16:16	B-ICAP6500	0012361-03	MF3JJ6	1	
0F25005-02	06/25/2010 16:20	B-ICAP6500	0012361-04	MF3JJ7	1	
0F25005-02	06/25/2010 16:25	B-ICAP6500	0012361-05	MF3JJ8	1	
0F25005-02	06/25/2010 16:29	B-ICAP6500	0012361-06	MF3JK2	1	
0F25005-02	06/25/2010 16:34	B-ICAP6500	0012361-07	MF3JL1	1	
0F25005-02	06/25/2010 16:38	B-ICAP6500	0012383-01	MF3JJ2	1	
0F25005-02	06/25/2010 16:43	B-ICAP6500	0012383-02	MF3JJ3	1	
0F25005-02	06/25/2010 16:47	B-ICAP6500	0012383-03	MF3JJ9	1	
0F25005-02	06/25/2010 16:52	B-ICAP6500	0012383-04	MF3JK0	1	
0F25005-02	06/25/2010 16:56	B-ICAP6500	0012383-05	MF3JK3	1	
0F25005-03	06/25/2010 17:00	B-ICAP6500	0012383-06	MF3JK4	1	
0F25005-03	06/25/2010 17:04	B-ICAP6500	0012383-07	MF3JK5	1	
0F25005-03	06/25/2010 17:09	B-ICAP6500	0012393-01	MF3JK1	1	
0F25005-03	06/25/2010 17:13	B-ICAP6500	0012393-02	MF3JK6	1	
0F25005-03	06/25/2010 17:18	B-ICAP6500	0012393-03	MF3JK7	1	

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	B-ICAP6500	***Sequence:***	0F25005
		Logbook RCN #:	832-0203
		Logbook Page No(s).:	32
Start Date:	06/25/2010 14:53	***Analyst/Date:***	6-30-10
End Date:	06/25/2010 17:57	***Reviewer/Date:***	06-30-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F25005-03	06/25/2010 17:22	B-ICAP6500	0012393-04	MF3JK8	1	
0F25005-03	06/25/2010 17:27	B-ICAP6500	0F25005-IBL1	ZZZZZZ	1	
0F25005-03	06/25/2010 17:31	B-ICAP6500	0F25005-IBL2	ZZZZZZ	1	
0F25005-03	06/25/2010 17:35	B-ICAP6500	0012393-05	MF3JK9	1	
0F25005-03	06/25/2010 17:40	B-ICAP6500	0F25005-CCV2	CCV	1	
0F25005-04	06/25/2010 17:44	B-ICAP6500	0F25005-CCB2	CCB	1	
0F25005-04	06/25/2010 17:48	B-ICAP6500	0012393-06	MF3JL0	1	
0F25005-04	06/25/2010 17:53	B-ICAP6500	0F25005-CCV3	CCV	1	
0F25005-04	06/25/2010 17:57	B-ICAP6500	0F25005-CCB3	CCB	1	

Sample Name: S0 Acquired: 6/25/2010 14:53:56 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S0 CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00014**	**.00653**	**-.00009**	**-.00036**	**.00089**	**.01934**	**.00001**	**.00022**
Stddev	.00002	.00032	.00005	.00061	.00019	.00235	.00004	.00006
%RSD	11.756	4.8552	49.873	170.41	21.108	12.162	306.37	27.363
#1	.00012	.00689	-.00012	-.00030	.00109	.02173	.00005	.00021
#2	.00014	.00637	-.00012	.00022	.00086	.01925	-.00003	.00029
#3	.00015	.00632	-.00004	-.00099	.00072	.01703	.00002	.00017

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00003**	**.00167**	**.00480**	**.00307**	**.00126**	**.00019**	**.00115**	**.00014**
Stddev	.00001	.00009	.00070	.00071	.00037	.00002	.00045	.00021
%RSD	35.163	5.2123	14.591	23.127	29.197	10.013	39.349	146.85
#1	.00002	.00177	.00541	.00374	.00160	.00021	.00168	.00038
#2	.00003	.00163	.00495	.00314	.00130	.00018	.00088	.00001
#3	.00004	.00161	.00403	.00232	.00087	.00017	.00091	.00004

Sample Name: S0 Acquired: 6/25/2010 14:53:56 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S0 CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00026**	**.00011**	**-.00012**	**-.00007**	**.00011**	**.00035**
Stddev	.00002	.00005	.00002	.00008	.00003	.00009
%RSD	8.4002	47.494	15.113	101.75	25.149	27.071
#1	-.00023	.00017	-.00011	-.00001	.00013	.00046
#2	-.00026	.00011	-.00011	-.00005	.00010	.00030
#3	-.00028	.00006	-.00014	-.00016	.00008	.00029

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8549.2**	**10324.**	**131910.**	**26425.**
Stddev	109.8	120.	4018.	57.
%RSD	1.2838	1.1595	3.0462	.21558
#1	8673.1	10459.	127440.	26400.
#2	8510.3	10283.	133060.	26490.
#3	8464.2	10230.	135220.	26385.

Sample Name: S1 Acquired: 6/25/2010 14:58:16 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00161**	**.01268**	**.00065**	**.56710**	**.02489**	**.07100**	**.00607**	**.04403**
Stddev	.00006	.00036	.00007	.00103	.00015	.00124	.00005	.00118
%RSD	3.7504	2.8004	10.771	.18213	.58340	1.7517	.88152	2.6906
#1	.00162	.01227	.00057	.56607	.02473	.06978	.00606	.04326
#2	.00166	.01285	.00070	.56814	.02501	.07094	.00602	.04343
#3	.00154	.01292	.00067	.56708	.02492	.07227	.00613	.04539

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00132**	**.01146**	**.01248**	**.01286**	**.00608**	**.00932**	**.04502**	**.02708**
Stddev	.00003	.00007	.00021	.00020	.00018	.00002	.00062	.00064
%RSD	1.9179	.60788	1.6439	1.5897	2.9450	.21345	1.3728	2.3655
#1	.00135	.01141	.01229	.01307	.00593	.00934	.04447	.02689
#2	.00131	.01154	.01246	.01286	.00604	.00932	.04491	.02656
#3	.00131	.01143	.01270	.01266	.00628	.00931	.04569	.02779

Sample Name: S1 Acquired: 6/25/2010 14:58:16 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00167**	**.00667**	**.00190**	**.00296**	**.00764**	**.04325**
Stddev	.00016	.00017	.00006	.00012	.00007	.00106
%RSD	9.3212	2.5356	3.1272	4.2289	.97047	2.4562
#1	.00154	.00653	.00183	.00287	.00766	.04266
#2	.00184	.00661	.00193	.00289	.00756	.04261
#3	.00164	.00686	.00194	.00310	.00771	.04447

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8423.0**	**10196.**	**134900.**	**26422.**
Stddev	171.7	199.	340.	93.
%RSD	2.0382	1.9545	.25240	.35324
#1	8523.3	10319.	134880.	26457.
#2	8520.9	10302.	135260.	26492.
#3	8224.8	9965.7	134580.	26316.

Sample Name: S2 Acquired: 6/25/2010 15:02:30 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01408**	**.64404**	**.00677**	**1.3722**	**.24428**	**1.7221**	**.05607**	**.42660**
Stddev	.00002	.00087	.00006	.0023	.00059	.0030	.00010	.00105
%RSD	.12499	.13446	.92604	.17071	.24252	.17359	.17057	.24518
#1	.01407	.64441	.00682	1.3746	.24379	1.7252	.05606	.42667
#2	.01410	.64305	.00680	1.3699	.24410	1.7193	.05618	.42761
#3	.01407	.64466	.00670	1.3721	.24494	1.7219	.05599	.42552

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01273**	**.09318**	**1.0481**	**.11219**	**.17162**	**.08802**	**.43087**	**.25892**
Stddev	.00007	.00021	.0014	.00012	.00018	.00014	.00080	.00092
%RSD	.51733	.22480	.13090	.10924	.10221	.15365	.18666	.35645
#1	.01277	.09337	1.0493	.11233	.17179	.08817	.43129	.25871
#2	.01276	.09295	1.0466	.11214	.17144	.08796	.42994	.25993
#3	.01265	.09320	1.0485	.11210	.17163	.08792	.43137	.25812

Sample Name: S2 Acquired: 6/25/2010 15:02:30 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01731**	**.06334**	**.01848**	**.02930**	**.07427**	**.42506**
Stddev	.00013	.00022	.00006	.00012	.00010	.00115
%RSD	.74956	.34104	.30198	.39808	.12970	.27144
#1	.01716	.06332	.01842	.02916	.07436	.42476
#2	.01741	.06356	.01850	.02937	.07429	.42633
#3	.01736	.06313	.01852	.02936	.07417	.42408

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8116.0**	**10201.**	**131760.**	**26440.**
Stddev	18.0	23.	268.	56.
%RSD	.22230	.22469	.20372	.21171
#1	8112.4	10197.	131490.	26400.
#2	8100.0	10180.	132030.	26504.
#3	8135.6	10226.	131770.	26416.

Sample Name: S3 Acquired: 6/25/2010 15:06:38 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.07132**	**3.2717**	**.03475**	**6.9023**	**1.2188**	**8.5742**	**.28514**	**2.2246**
Stddev	.00050	.0199	.00005	.0515	.0065	.0434	.00017	.0022
%RSD	.70471	.60826	.15775	.74684	.53351	.50662	.05856	.09792
#1	.07087	3.2936	.03471	6.9534	1.2245	8.6186	.28501	2.2270
#2	.07186	3.2669	.03481	6.9031	1.2203	8.5720	.28533	2.2237
#3	.07124	3.2547	.03473	6.8503	1.2117	8.5318	.28508	2.2229

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06520**	**.47989**	**5.1484**	**.56473**	**.86194**	**.44732**	**2.1823**	**1.3343**
Stddev	.00051	.00373	.0283	.00304	.00379	.00333	.0126	.0027
%RSD	.77687	.77750	.55007	.53751	.44028	.74512	.57697	.19901
#1	.06480	.47676	5.1755	.56777	.86407	.44508	2.1965	1.3373
#2	.06577	.48402	5.1506	.56471	.86418	.45115	2.1777	1.3335
#3	.06503	.47890	5.1190	.56170	.85756	.44572	2.1726	1.3322

Sample Name: S3 Acquired: 6/25/2010 15:06:38 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09063**	**.31963**	**.09137**	**.14877**	**.38517**	**2.2183**
Stddev	.00043	.00026	.00022	.00027	.00273	.0019
%RSD	.47985	.08268	.24480	.18383	.70766	.08577
#1	.09068	.31981	.09154	.14906	.38295	2.2201
#2	.09018	.31932	.09112	.14851	.38821	2.2183
#3	.09104	.31974	.09145	.14873	.38436	2.2163

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7397.3**	**9845.1**	**124030.**	**26411.**
Stddev	9.2	5.4	859.	107.
%RSD	.12409	.05473	.69264	.40607
#1	7391.4	9847.2	124570.	26387.
#2	7392.5	9839.0	123040.	26318.
#3	7407.9	9849.1	124480.	26528.

Sample Name: S4 Acquired: 6/25/2010 15:10:44 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.14169**	**6.6335**	**.07001**	**13.776**	**2.4199**	**16.890**	**.56747**	**4.4495**
Stddev	.00023	.0028	.00007	.060	.0035	.116	.00039	.0029
%RSD	.16099	.04183	.10137	.43327	.14636	.68680	.06841	.06496
#1	.14174	6.6320	.06995	13.709	2.4159	16.888	.56702	4.4467
#2	.14189	6.6318	.07000	13.821	2.4214	16.775	.56765	4.4493
#3	.14144	6.6367	.07009	13.799	2.4224	17.007	.56774	4.4524

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.12668**	**.96762**	**10.182**	**1.1443**	**1.7345**	**.86798**	**4.4369**	**2.6574**
Stddev	.00008	.00103	.012	.0014	.0008	.00147	.0118	.0032
%RSD	.06376	.10626	.12110	.12247	.04403	.16989	.26641	.12029
#1	.12677	.96702	10.175	1.1427	1.7353	.86935	4.4238	2.6537
#2	.12661	.96880	10.175	1.1454	1.7338	.86818	4.4403	2.6589
#3	.12666	.96703	10.196	1.1447	1.7344	.86642	4.4467	2.6596

Sample Name: S4 Acquired: 6/25/2010 15:10:44 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17968**	**.63443**	**.18027**	**.28722**	**.75498**	**4.4007**
Stddev	.00024	.00066	.00027	.00050	.00081	.0061
%RSD	.13190	.10477	.14765	.17575	.10792	.13816
#1	.17969	.63368	.18002	.28682	.75591	4.3949
#2	.17943	.63469	.18055	.28704	.75461	4.4002
#3	.17991	.63493	.18024	.28778	.75441	4.4070

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6972.9**	**9535.4**	**120980.**	**25863.**
Stddev	5.9	12.7	188.	66.
%RSD	.08435	.13346	.15527	.25528
#1	6977.4	9545.0	120770.	25823.
#2	6975.0	9540.2	121120.	25939.
#3	6966.3	9521.0	121060.	25827.

Sample Name: S5 Acquired: 6/25/2010 15:15:07 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.29333**	**13.191**	**.14072**	**27.311**	**4.8103**	**32.714**	**1.1489**	**8.9713**
Stddev	.00055	.163	.00047	.419	.0250	.148	.0033	.0076
%RSD	.18640	1.2332	.33726	1.5332	.51970	.45177	.28722	.08438
#1	.29309	13.074	.14127	27.178	4.7917	32.556	1.1527	8.9794
#2	.29396	13.377	.14051	27.780	4.8387	32.848	1.1474	8.9701
#3	.29295	13.121	.14039	26.974	4.8005	32.738	1.1466	8.9645

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.25137**	**1.9769**	**19.389**	**2.3263**	**3.4956**	**1.7210**	**8.9528**	**5.3366**
Stddev	.00033	.0051	.232	.0113	.0246	.0015	.0473	.0032
%RSD	.13237	.25588	1.1989	.48546	.70484	.08692	.52874	.05963
#1	.25135	1.9755	19.240	2.3169	3.4758	1.7205	8.9214	5.3400
#2	.25171	1.9826	19.657	2.3388	3.5232	1.7227	9.0073	5.3361
#3	.25105	1.9728	19.270	2.3231	3.4878	1.7198	8.9297	5.3336

Sample Name: S5 Acquired: 6/25/2010 15:15:07 Type: Cal
Method: 0F25005 Mode: IR Corr. Factor: 1.000000
User: admin CustID1: S CustID2: 1 CustID3: SS
Comment:

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.35814**	**1.2751**	**.35311**	**.55763**	**1.5188**	**8.7503**
Stddev	.00045	.0044	.00207	.00065	.0019	.0085
%RSD	.12642	.34664	.58526	.11582	.12815	.09763
#1	.35866	1.2801	.35544	.55806	1.5177	8.7589
#2	.35798	1.2732	.35239	.55688	1.5211	8.7502
#3	.35780	1.2719	.35150	.55794	1.5177	8.7418

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6473.7**	**9132.9**	**114920.**	**25536.**
Stddev	6.6	21.0	165.	169.
%RSD	.10210	.22940	.14396	.66288
#1	6466.9	9110.2	114970.	25695.
#2	6474.1	9136.8	114740.	25358.
#3	6480.1	9151.6	115070.	25555.

Sample Name: 0F25005-ICV1 Acquired: 6/25/2010 15:19:47 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICV CustID2: 1 CustID3: SS
Comment: 1

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**498.11**	**2720.0**	**992.65**	**523.90**	**508.81**	**10655.**	**528.41**	**496.95**
Stddev	2.53	123.6	3.60	3.76	1.40	128.	1.12	1.42
%RSD	.50843	4.5459	.36305	.71751	.27485	1.2005	.21106	.28598
#1	500.12	2853.9	988.56	528.04	509.99	10800.	527.18	495.42
#2	498.94	2610.2	995.34	520.71	509.16	10558.	528.68	498.23
#3	495.26	2695.9	994.06	522.93	507.27	10607.	529.36	497.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-ICV1 Acquired: 6/25/2010 15:19:47 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICV CustID2: 1 CustID3: SS
Comment: 1

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**510.82**	**481.69**	**5570.2**	**9831.0**	**6228.5**	**515.01**	**9762.3**	**503.58**
Stddev	2.72	2.86	82.5	39.1	151.2	3.01	51.8	1.94
%RSD	.53203	.59336	1.4814	.39744	2.4268	.58457	.53078	.38557
#1	513.95	484.80	5660.1	9874.2	6381.7	518.37	9821.9	501.52
#2	509.38	481.10	5497.9	9798.2	6079.4	514.10	9728.3	505.38
#3	509.12	479.17	5552.5	9820.7	6224.4	512.56	9736.7	503.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-ICV1 Acquired: 6/25/2010 15:19:47 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICV CustID2: 1 CustID3: SS
Comment: 1

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1004.3**	**1019.2**	**1052.6**	**1071.2**	**507.96**	**983.48**
Stddev	2.9	2.3	3.3	3.8	5.42	3.79
%RSD	.28826	.22079	.31153	.35818	1.0673	.38534
#1	1000.9	1016.7	1051.7	1067.1	513.76	979.21
#2	1005.7	1020.2	1049.8	1074.6	507.11	986.44
#3	1006.1	1020.9	1056.2	1071.9	503.02	984.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: 0F25005-ICV1 Acquired: 6/25/2010 15:19:47 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICV CustID2: 1 CustID3: SS
Comment: 1

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8207.0**	**10232.**	**132400.**	**26298.**
Stddev	21.3	22.	1038.	22.
%RSD	.25930	.21118	.78399	.08466
#1	8230.2	10256.	131260.	26290.
#2	8188.3	10215.	132640.	26280.
#3	8202.6	10225.	133300.	26323.

Sample Name: 0F25005-ICB1 Acquired: 6/25/2010 15:23:50 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICB CustID2: 1 CustID3: SS
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.30202**	**-39.588**	**1.1177**	**2.5758**	**.45085**	**-40.348**	**.47394**	**2.2380**
Stddev	.34377	20.285	.3658	.2040	.08162	3.165	.22849	.7904
%RSD	113.82	51.240	32.729	7.9198	18.103	7.8440	48.211	35.316
#1	.69791	-58.225	1.0170	2.3672	.44272	-41.291	.72817	3.1320
#2	.12908	-42.558	.81282	2.5854	.37360	-42.935	.40795	1.9498
#3	.07906	-17.982	1.5234	2.7748	.53623	-36.819	.28571	1.6322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-ICB1 Acquired: 6/25/2010 15:23:50 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICB CustID2: 1 CustID3: SS
Comment: 3

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.42399**	**1.2166**	**5.6202**	**19.847**	**-37.850**	**.79974**	**38.325**	**1.8544**
Stddev	.18831	.2102	5.4637	5.107	3.593	.18836	4.570	.7476
%RSD	44.414	17.276	97.216	25.733	9.4917	23.553	11.925	40.314
#1	.61546	1.4336	.56723	17.075	-40.836	1.0172	43.082	2.6802
#2	.41753	1.2021	4.8752	16.726	-38.850	.69039	33.968	1.6593
#3	.23900	1.0140	11.418	25.741	-33.863	.69158	37.926	1.2237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-ICB1 Acquired: 6/25/2010 15:23:50 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICB CustID2: 1 CustID3: SS
Comment: 3

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.8890**	**5.4835**	**2.8074**	**2.0399**	**1.9040**	**3.0772**
Stddev	.7415	1.0730	1.4620	1.2420	.6610	1.0757
%RSD	25.665	19.568	52.078	60.887	34.716	34.958
#1	3.0927	6.6748	4.4427	3.4068	2.6634	4.3113
#2	2.0670	5.1826	2.3527	.98057	1.5911	2.5825
#3	3.5073	4.5930	1.6267	1.7323	1.4576	2.3378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-ICB1 Acquired: 6/25/2010 15:23:50 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICB CustID2: 1 CustID3: SS
Comment: 3

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8447.7**	**10234.**	**134240.**	**26375.**
Stddev	55.9	60.	195.	90.
%RSD	.66148	.58337	.14557	.34236
#1	8497.2	10282.	134250.	26347.
#2	8387.1	10167.	134420.	26302.
#3	8458.9	10252.	134030.	26476.

Sample Name: 0F25005-IFA1 Acquired: 6/25/2010 15:28:11 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSA CustID2: 1 CustID3: SS
Comment: 25

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-1.6895**	**250660.**	**1.0891**	**-4.9771**	**.61137**	**250980.**	**-.83769**	**-2.7515**
Stddev	.5352	2153.	.7547	.0807	.02236	2334.	.14937	.0893
%RSD	31.679	.85882	69.295	1.6220	3.6575	.93004	17.831	3.2471
#1	-1.1105	248260.	1.7989	-4.9135	.63718	248340.	-.69194	-2.7210
#2	-2.1661	251290.	1.1721	-5.0679	.59787	252750.	-.83071	-2.8522
#3	-1.7919	252420.	.29636	-4.9498	.59907	251870.	-.99044	-2.6815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-IFA1 Acquired: 6/25/2010 15:28:11 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSA CustID2: 1 CustID3: SS
Comment: 25

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**45.692**	**19.148**	**101860.**	**-109.40**	**254570.**	**15.307**	**735.26**	**17.044**
Stddev	.339	.156	289.	21.27	680.	.016	5.89	.174
%RSD	.74248	.81328	.28388	19.443	.26712	.10719	.80113	1.0224
#1	45.884	19.129	101530.	-133.75	253810.	15.324	739.28	17.158
#2	45.301	19.313	101970.	-99.975	255110.	15.306	737.99	17.132
#3	45.893	19.003	102080.	-94.467	254790.	15.291	728.50	16.844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-IFA1 Acquired: 6/25/2010 15:28:11 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSA CustID2: 1 CustID3: SS
Comment: 25

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**11.399**	**-15.664**	**-8.3115**	**-3.4219**	**-10.893**	**26.573**
Stddev	2.144	.744	2.2269	.5105	.191	.221
%RSD	18.809	4.7522	26.793	14.919	1.7549	.83191
#1	12.754	-16.474	-10.771	-3.0798	-10.852	26.782
#2	8.9272	-15.009	-6.4310	-4.0087	-10.725	26.595
#3	12.517	-15.510	-7.7328	-3.1771	-11.101	26.342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-IFA1 Acquired: 6/25/2010 15:28:11 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSA CustID2: 1 CustID3: SS
Comment: 25

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6805.9**	**9348.4**	**116260.**	**26175.**
Stddev	1.9	2.7	245.	153.
%RSD	.02742	.02843	.21103	.58571
#1	6803.8	9350.7	116250.	26351.
#2	6806.6	9349.0	116510.	26069.
#3	6807.3	9345.5	116010.	26105.

Sample Name: 0F25005-IFB1 Acquired: 6/25/2010 15:32:42 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSAB CustID2: 1 CustID3: SS
Comment: 27

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**205.57**	**247950.**	**101.48**	**493.36**	**502.42**	**249920.**	**1041.3**	**501.16**
Stddev	.92	1102.	.96	1.31	1.11	798.	1.2	.74
%RSD	.44895	.44432	.94154	.26630	.22182	.31913	.11578	.14829
#1	204.54	249090.	100.61	494.56	502.56	249200.	1040.1	501.46
#2	205.84	247880.	102.50	491.96	501.25	249780.	1042.6	501.70
#3	206.33	246890.	101.34	493.55	503.46	250780.	1041.3	500.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-IFB1 Acquired: 6/25/2010 15:32:42 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSAB CustID2: 1 CustID3: SS
Comment: 27

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**550.57**	**515.50**	**101840.**	**-118.42**	**254650.**	**528.32**	**718.75**	**1041.7**
Stddev	.33	.15	186.	11.36	479.	.38	5.97	1.8
%RSD	.06083	.02988	.18245	9.5959	.18806	.07258	.83098	.17049
#1	550.76	515.57	101840.	-129.20	254330.	528.35	722.96	1042.3
#2	550.76	515.32	101660.	-119.51	254420.	528.68	721.38	1043.1
#3	550.18	515.61	102030.	-106.56	255200.	527.92	711.92	1039.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-IFB1 Acquired: 6/25/2010 15:32:42 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSAB CustID2: 1 CustID3: SS
Comment: 27

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**62.101**	**588.85**	**41.791**	**100.63**	**497.93**	**1033.4**
Stddev	.409	2.17	2.268	1.43	1.55	2.3
%RSD	.65907	.36817	5.4270	1.4230	.31195	.22370
#1	62.465	586.78	43.652	99.164	497.47	1034.2
#2	61.658	588.65	42.456	102.03	499.66	1035.1
#3	62.180	591.11	39.265	100.70	496.66	1030.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-IFB1 Acquired: 6/25/2010 15:32:42 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ICSAB CustID2: 1 CustID3: SS
Comment: 27

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6798.8**	**9340.6**	**117240.**	**25953.**
Stddev	13.9	11.4	182.	91.
%RSD	.20383	.12155	.15492	.34917
#1	6802.4	9348.2	117070.	26055.
#2	6783.5	9327.6	117230.	25921.
#3	6810.5	9346.1	117430.	25882.

Sample Name: 0F25005-CCV1 Acquired: 6/25/2010 15:37:12 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**487.44**	**74907.**	**504.38**	**2560.0**	**253.34**	**77901.**	**250.76**	**2499.2**
Stddev	1.21	164.	9.44	4.5	.75	177.	4.76	50.1
%RSD	.24916	.21951	1.8722	.17517	.29530	.22705	1.8994	2.0042
#1	486.04	74953.	514.97	2558.3	253.45	78023.	256.11	2554.6
#2	488.24	74724.	501.31	2556.6	252.54	77698.	249.17	2486.0
#3	488.03	75043.	496.85	2565.1	254.03	77982.	247.00	2457.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV1 Acquired: 6/25/2010 15:37:12 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**506.74**	**1213.8**	**52238.**	**24608.**	**74517.**	**761.32**	**24935.**	**2010.4**
Stddev	.44	3.8	116.	46.	155.	1.69	41.	40.9
%RSD	.08752	.31450	.22123	.18533	.20805	.22219	.16364	2.0353
#1	506.24	1210.5	52251.	24610.	74523.	759.36	24948.	2055.7
#2	507.10	1218.0	52116.	24562.	74359.	762.31	24889.	1999.4
#3	506.87	1213.1	52346.	24653.	74669.	762.28	24967.	1976.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV1 Acquired: 6/25/2010 15:37:12 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**506.09**	**3031.6**	**1816.1**	**1307.8**	**2489.1**	**3042.5**
Stddev	10.09	55.3	36.8	27.5	6.9	63.2
%RSD	1.9931	1.8228	2.0276	2.1020	.27748	2.0784
#1	517.24	3093.8	1857.6	1337.2	2481.2	3112.2
#2	503.44	3012.5	1803.3	1303.4	2492.2	3026.4
#3	497.59	2988.4	1787.3	1282.8	2494.0	2988.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: 0F25005-CCV1 Acquired: 6/25/2010 15:37:12 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7364.1**	**9781.8**	**125970.**	**26224.**
Stddev	126.7	162.1	400.	58.
%RSD	1.7206	1.6567	.31752	.22159
#1	7224.7	9601.5	126380.	26192.
#2	7395.5	9828.4	125920.	26291.
#3	7472.2	9915.4	125590.	26188.

Sample Name: 0F25005-CCB1 Acquired: 6/25/2010 15:41:18 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.22015**	**6.5945**	**.83682**	**2.4636**	**.13785**	**3.1145**	**.16875**	**1.5780**
Stddev	.41343	14.744	.31837	.3172	.04531	22.671	.16002	.4825
%RSD	187.80	223.58	38.045	12.875	32.868	727.93	94.826	30.576
#1	.29089	-8.8349	.59675	2.2087	.09950	-18.419	.33801	2.1285
#2	.59365	8.0772	1.1980	2.3633	.12621	.9881	.14830	1.3771
#3	-.22409	20.541	.71574	2.8189	.18785	26.774	.01994	1.2285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB1 Acquired: 6/25/2010 15:41:18 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.53994**	**1.3189**	**26.880**	**19.108**	**12.998**	**.86105**	**31.236**	**1.3503**
Stddev	.08491	.3103	11.945	16.982	17.123	.22538	8.127	.3807
%RSD	15.725	23.526	44.439	88.872	131.74	26.175	26.018	28.190
#1	.62769	1.4963	16.425	19.342	-1.8370	1.0807	22.050	1.7787
#2	.45820	1.4997	24.316	35.972	9.0953	.87202	37.489	1.2212
#3	.53393	.96059	39.899	2.0108	31.735	.63038	34.168	1.0510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB1 Acquired: 6/25/2010 15:41:18 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.0735**	**3.7403**	**2.3219**	**1.1420**	**2.5953**	**1.8480**
Stddev	.6541	.9052	.3263	.7270	.6658	.3306
%RSD	60.927	24.201	14.053	63.662	25.656	17.888
#1	1.0072	4.7405	2.6828	.51987	3.0384	2.2204
#2	.45515	3.5032	2.2354	1.9413	2.9178	1.7343
#3	1.7583	2.9774	2.0476	.96500	1.8296	1.5893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-CCB1 Acquired: 6/25/2010 15:41:18 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8484.7**	**10292.**	**134180.**	**26536.**
Stddev	4.3	2.	360.	94.
%RSD	.05103	.01736	.26818	.35563
#1	8489.1	10294.	134280.	26622.
#2	8480.5	10291.	133790.	26551.
#3	8484.6	10290.	134490.	26435.

Sample Name: 0060300-BLK1 Acquired: 6/25/2010 15:45:41 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: PBW CustID2: 1 CustID3: SS
Comment: 61

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.50129**	**-87.132**	**.31255**	**-.19257**	**-.18491**	**-114.12**	**-.05819**	**.15231**
Stddev	.19795	6.419	.48901	.07864	.03274	3.22	.06705	.16815
%RSD	39.487	7.3667	156.46	40.837	17.707	2.8231	115.24	110.40
#1	-.53059	-93.588	.42572	-.10359	-.20212	-117.44	.00942	.33016
#2	-.29033	-87.057	-.22312	-.22136	-.20546	-113.92	-.12468	-.00409
#3	-.68295	-80.751	.73505	-.25276	-.14715	-111.01	-.05929	.13086
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-BLK1 Acquired: 6/25/2010 15:45:41 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: PBW CustID2: 1 CustID3: SS
Comment: 61

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.37582**	**.17331**	**-39.763**	**-15.519**	**-112.32**	**-.05975**	**1.2266**	**.12673**
Stddev	.14336	.14791	1.428	31.955	19.65	.06662	7.8714	.16398
%RSD	38.145	85.342	3.5911	205.90	17.498	111.49	641.72	129.39
#1	-.54134	.23144	-40.330	-19.356	-131.92	-.01721	-2.3859	.28635
#2	-.29123	.00517	-40.820	18.180	-112.44	-.02552	-4.1901	-.04130
#3	-.29490	.28332	-38.139	-45.383	-92.612	-.13653	10.256	.13515
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-BLK1 Acquired: 6/25/2010 15:45:41 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: PBW CustID2: 1 CustID3: SS
Comment: 61

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.08375**	**.59506**	**1.4297**	**.21000**	**.14862**	**-.00163**
Stddev	.96043	1.2341	1.8036	.86622	.26760	.16573
%RSD	1146.8	207.39	126.15	412.49	180.06	10177.
#1	-.55398	1.8784	-.64760	1.0348	.37821	.17879
#2	1.1884	-.58308	2.3392	-.69244	.21291	-.03659
#3	-.38313	.48985	2.5975	.28766	-.14527	-.14709
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0060300-BLK1 Acquired: 6/25/2010 15:45:41 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: PBW CustID2: 1 CustID3: SS
Comment: 61

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8482.2**	**10258.**	**134240.**	**26401.**
Stddev	16.1	13.	314.	149.
%RSD	.18978	.12462	.23371	.56381
#1	8499.2	10273.	134300.	26551.
#2	8480.3	10250.	133900.	26399.
#3	8467.2	10251.	134520.	26253.

Sample Name: 0060300-BS1 Acquired: 6/25/2010 15:50:03 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: LCSW CustID2: 1 CustID3: SS
Comment: 62

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**19.953**	**290.76**	**21.006**	**393.12**	**10.271**	**10177.**	**10.370**	**101.68**
Stddev	.688	15.37	.556	6.04	.145	165.	.173	2.67
%RSD	3.4477	5.2855	2.6488	1.5356	1.4158	1.6171	1.6680	2.6248
#1	19.318	305.26	20.405	396.84	10.360	10246.	10.399	100.54
#2	20.683	292.38	21.111	396.37	10.351	10296.	10.185	99.774
#3	19.857	274.65	21.503	386.16	10.103	9989.2	10.527	104.73
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-BS1 Acquired: 6/25/2010 15:50:03 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: LCSW CustID2: 1 CustID3: SS
Comment: 62

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**21.667**	**50.586**	**166.72**	**9626.5**	**9859.9**	**32.134**	**9596.8**	**82.688**
Stddev	.574	1.240	1.91	148.9	175.5	.901	151.5	1.766
%RSD	2.6502	2.4516	1.1465	1.5466	1.7796	2.8044	1.5784	2.1361
#1	21.139	49.788	167.79	9697.7	9954.9	31.493	9689.7	81.975
#2	22.279	52.014	167.85	9726.5	9967.4	33.164	9678.8	81.389
#3	21.582	49.955	164.51	9455.4	9657.4	31.743	9422.0	84.699
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-BS1 Acquired: 6/25/2010 15:50:03 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: LCSW CustID2: 1 CustID3: SS
Comment: 62

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**20.645**	**125.09**	**75.715**	**55.414**	**104.08**	**120.45**
Stddev	1.220	2.00	1.715	2.301	3.03	2.97
%RSD	5.9114	1.5981	2.2646	4.1522	2.9103	2.4629
#1	19.537	123.93	74.507	54.237	101.44	119.45
#2	20.445	123.95	74.959	53.939	107.39	118.11
#3	21.953	127.40	77.677	58.065	103.40	123.78
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0060300-BS1 Acquired: 6/25/2010 15:50:03 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: LCSW CustID2: 1 CustID3: SS
Comment: 62

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8099.7**	**10081.**	**129590.**	**26219.**
Stddev	157.9	187.	3393.	297.
%RSD	1.9495	1.8516	2.6180	1.1317
#1	8154.3	10142.	132130.	26048.
#2	8223.0	10229.	125730.	26047.
#3	7921.7	9871.4	130890.	26561.

Sample Name: 0012361-02 Acquired: 6/25/2010 15:54:16 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5 CustID2: 1 CustID3: SS
Comment: 63

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.62295**	**-158.11**	**-.10542**	**138.16**	**-.20931**	**120710.**	**-.05547**	**-.06983**
Stddev	.17234	9.81	1.2659	2.48	.02202	1903.	.03107	.18677
%RSD	27.666	6.2054	1200.8	1.7979	10.522	1.5761	56.019	267.46
#1	-.68204	-147.01	-1.4996	135.30	-.21722	118530.	-.01981	-.28384
#2	-.75797	-161.72	.21124	139.40	-.22630	122040.	-.07675	.01403
#3	-.42883	-165.61	.97213	139.77	-.18443	121550.	-.06985	.06031
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-02 Acquired: 6/25/2010 15:54:16 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5 CustID2: 1 CustID3: SS
Comment: 63

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.8961**	**59.753**	**373.09**	**1767.7**	**3115.9**	**14.255**	**4949.5**	**1.5798**
Stddev	.3049	.349	7.46	36.2	63.6	.065	80.9	.0322
%RSD	16.081	.58466	2.0003	2.0462	2.0414	.45304	1.6339	2.0400
#1	2.1669	59.454	364.48	1726.1	3050.8	14.191	4857.3	1.5637
#2	1.5658	60.137	377.08	1785.6	3119.0	14.254	4982.9	1.6169
#3	1.9554	59.668	377.71	1791.4	3177.9	14.320	5008.3	1.5588
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-02 Acquired: 6/25/2010 15:54:16 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5 CustID2: 1 CustID3: SS
Comment: 63

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**8.1371**	**1.3598**	**-.61800**	**.01787**	**-.61771**	**22.211**
Stddev	1.0752	.5527	.71498	.52255	.24478	.117
%RSD	13.214	40.645	115.69	2924.5	39.627	.52747
#1	8.9923	.86413	.19080	-.57512	-.33748	22.084
#2	8.4890	1.2595	-.87892	.41095	-.72587	22.234
#3	6.9300	1.9558	-1.1659	.21778	-.78979	22.315
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-02 Acquired: 6/25/2010 15:54:16 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5 CustID2: 1 CustID3: SS
Comment: 63

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7734.8**	**9810.8**	**126840.**	**26145.**
Stddev	8.0	13.4	120.	356.
%RSD	.10291	.13660	.09480	1.3617
#1	7730.4	9802.7	126880.	26521.
#2	7744.0	9826.3	126930.	26101.
#3	7730.1	9803.5	126700.	25813.

Sample Name: 0060300-DUP1 Acquired: 6/25/2010 15:58:45 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5D CustID2: 1 CustID3: SS
Comment: 64

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.33472**	**-166.16**	**.54686**	**142.43**	**-.21541**	**123780.**	**.01774**	**-.13826**
Stddev	.22653	8.56	.15143	6.29	.03403	4844.	.09754	.09291
%RSD	67.679	5.1502	27.690	4.4188	15.799	3.9134	549.94	67.201
#1	-.37780	-170.24	.44057	149.33	-.17706	128860.	.10711	-.14687
#2	-.53662	-156.33	.72025	137.01	-.24203	119210.	-.08630	-.04134
#3	-.08974	-171.92	.47978	140.94	-.22712	123260.	.03240	-.22656
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-DUP1 Acquired: 6/25/2010 15:58:45 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5D CustID2: 1 CustID3: SS
Comment: 64

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.0761**	**60.008**	**380.58**	**1842.1**	**3197.9**	**14.563**	**5087.1**	**1.4590**
Stddev	.1929	.306	17.45	70.0	139.1	.020	220.5	.0558
%RSD	9.2904	.51028	4.5848	3.8023	4.3481	.13589	4.3340	3.8283
#1	1.9308	59.863	399.36	1911.5	3344.6	14.585	5323.3	1.4843
#2	2.2949	60.360	364.87	1771.5	3068.1	14.546	4886.8	1.3949
#3	2.0025	59.801	377.50	1843.3	3181.0	14.558	5051.1	1.4977
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-DUP1 Acquired: 6/25/2010 15:58:45 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5D CustID2: 1 CustID3: SS
Comment: 64

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**7.3286**	**.85217**	**.88759**	**-.74927**	**-.52944**	**21.998**
Stddev	.3347	.81846	1.0400	1.2124	.24182	.106
%RSD	4.5665	96.045	117.17	161.81	45.676	.48124
#1	7.0725	1.2413	2.0820	-1.5282	-.25908	21.971
#2	7.2061	1.4035	.18325	.64761	-.72511	22.115
#3	7.7073	-.08826	.39748	-1.3672	-.60412	21.909
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0060300-DUP1 Acquired: 6/25/2010 15:58:45 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5D CustID2: 1 CustID3: SS
Comment: 64

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7753.0**	**9838.4**	**127230.**	**25649.**
Stddev	1.7	5.9	99.	969.
%RSD	.02140	.05990	.07761	3.7774
#1	7755.0	9833.0	127120.	24596.
#2	7751.9	9837.4	127300.	26504.
#3	7752.2	9844.7	127270.	25846.

Sample Name: 0060300-MS1 Acquired: 6/25/2010 16:03:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5S CustID2: 1 CustID3: SS
Comment: 65

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**44.016**	**1891.0**	**40.885**	**2177.3**	**51.100**	**116210.**	**48.550**	**489.17**
Stddev	.707	15.2	.144	2.6	.103	793.	.043	.76
%RSD	1.6051	.80140	.35340	.11994	.20143	.68276	.08777	.15601
#1	43.843	1903.0	40.754	2180.3	51.135	116360.	48.501	490.01
#2	44.793	1874.0	40.861	2175.3	50.984	115350.	48.575	488.96
#3	43.413	1896.1	41.040	2176.5	51.180	116910.	48.575	488.53
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-MS1 Acquired: 6/25/2010 16:03:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5S CustID2: 1 CustID3: SS
Comment: 65

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**207.33**	**297.25**	**1566.5**	**1731.9**	**3026.3**	**522.87**	**4938.9**	**495.95**
Stddev	4.25	5.48	4.5	6.3	14.5	10.14	9.8	.88
%RSD	2.0518	1.8449	.28637	.36412	.48072	1.9393	.19931	.17797
#1	206.51	296.42	1565.5	1739.2	3040.8	520.68	4950.1	496.53
#2	211.93	303.10	1562.5	1727.9	3011.7	533.93	4934.8	496.39
#3	203.55	292.22	1571.3	1728.6	3026.3	514.01	4931.7	494.93
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0060300-MS1 Acquired: 6/25/2010 16:03:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5S CustID2: 1 CustID3: SS
Comment: 65

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**25.841**	**99.998**	**54.428**	**51.937**	**502.25**	**499.19**
Stddev	1.797	.829	.674	.189	10.63	1.84
%RSD	6.9530	.82919	1.2378	.36301	2.1164	.36875
#1	27.914	100.36	54.905	51.955	500.96	500.96
#2	24.726	100.58	54.721	51.740	513.47	497.28
#3	24.884	99.050	53.657	52.116	492.32	499.33
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0060300-MS1 Acquired: 6/25/2010 16:03:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5S CustID2: 1 CustID3: SS
Comment: 65

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7763.6**	**9864.9**	**127140.**	**26019.**
Stddev	18.5	8.6	2244.	105.
%RSD	.23815	.08738	1.7646	.40542
#1	7743.4	9855.0	127640.	25954.
#2	7779.7	9869.1	124690.	26141.
#3	7767.9	9870.6	129090.	25962.

Sample Name: 0F25005-SRD1 Acquired: 6/25/2010 16:07:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5L CustID2: 5 CustID3: SS
Comment: 66

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.29463**	**-127.50**	**.15193**	**28.513**	**-.19184**	**24752.**	**.07500**	**.21536**
Stddev	.14702	3.79	.18535	.500	.02634	44.	.01536	.08628
%RSD	49.899	2.9747	122.00	1.7528	13.730	.17651	20.478	40.062
#1	-.17388	-124.11	-.02615	28.049	-.22175	24737.	.05758	.16507
#2	-.45834	-126.80	.34378	28.447	-.18164	24718.	.08086	.31498
#3	-.25167	-131.60	.13814	29.042	-.17212	24802.	.08658	.16602
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-SRD1 Acquired: 6/25/2010 16:07:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5L CustID2: 5 CustID3: SS
Comment: 66

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.55982**	**12.252**	**38.287**	**342.30**	**547.81**	**3.0747**	**992.94**	**.51997**
Stddev	.11571	.334	.415	22.91	8.88	.0082	4.70	.26027
%RSD	20.669	2.7236	1.0832	6.6930	1.6204	.26659	.47289	50.054
#1	.50661	12.175	38.396	359.72	537.56	3.0751	996.41	.35214
#2	.48029	12.618	38.636	350.84	552.86	3.0827	987.60	.81979
#3	.69256	11.964	37.828	316.35	553.02	3.0663	994.82	.38799
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-SRD1 Acquired: 6/25/2010 16:07:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5L CustID2: 5 CustID3: SS
Comment: 66

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.2328**	**.25349**	**-.48416**	**.05869**	**-.26989**	**4.5993**
Stddev	1.5358	.36849	.58203	.64524	.23731	.1210
%RSD	68.784	145.37	120.22	1099.4	87.931	2.6311
#1	.72351	-.15639	-.58907	.26352	-.04190	4.5023
#2	3.7939	.35951	-1.0066	-.66410	-.25222	4.7349
#3	2.1811	.55734	.14319	.57664	-.51554	4.5608
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0F25005-SRD1 Acquired: 6/25/2010 16:07:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ5L CustID2: 5 CustID3: SS
Comment: 66

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8330.8**	**10217.**	**132290.**	**26320.**
Stddev	65.2	71.	643.	86.
%RSD	.78265	.69633	.48595	.32581
#1	8295.8	10183.	132680.	26419.
#2	8406.1	10299.	132650.	26266.
#3	8290.7	10169.	131550.	26276.

Sample Name: 0012361-01 Acquired: 6/25/2010 16:11:51 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ4 CustID2: 1 CustID3: SS
Comment: 67

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.51971**	**-86.172**	**-.06703**	**70.213**	**-.17408**	**116870.**	**.00809**	**.78299**
Stddev	.19632	9.130	.24629	.104	.00697	706.	.02270	.16737
%RSD	37.775	10.595	367.42	.14813	4.0031	.60434	280.51	21.375
#1	-.73442	-90.526	-.16098	70.132	-.17980	116790.	.02872	.58984
#2	-.47534	-92.310	.21241	70.177	-.16632	116200.	.01180	.88525
#3	-.34937	-75.680	-.25252	70.331	-.17610	117610.	-.01624	.87388
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-01 Acquired: 6/25/2010 16:11:51 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ4 CustID2: 1 CustID3: SS
Comment: 67

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.81983**	**13.478**	**127.00**	**1200.8**	**3631.0**	**12.961**	**6604.2**	**.65891**
Stddev	.24618	.287	2.11	20.4	18.8	.043	3.3	.37910
%RSD	30.028	2.1284	1.6597	1.6994	.51671	.33066	.05018	57.535
#1	.97905	13.249	124.58	1177.2	3619.1	12.918	6600.6	1.0575
#2	.53629	13.800	127.94	1212.9	3621.3	13.004	6604.8	.30283
#3	.94416	13.385	128.46	1212.3	3652.6	12.960	6607.1	.61643
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-01 Acquired: 6/25/2010 16:11:51 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ4 CustID2: 1 CustID3: SS
Comment: 67

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.8819**	**.01744**	**-.16734**	**-.48871**	**-.30752**	**14.381**
Stddev	2.4005	.55107	1.1018	.56718	.05052	.134
%RSD	83.297	3159.7	658.40	116.06	16.430	.92976
#1	4.7314	.61320	-1.1625	-.84417	-.29433	14.534
#2	3.7452	-.08685	-.35620	.16540	-.26490	14.316
#3	.16910	-.47403	1.0166	-.78735	-.36334	14.292
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-01 Acquired: 6/25/2010 16:11:51 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ4 CustID2: 1 CustID3: SS
Comment: 67

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7785.1**	**9834.4**	**126980.**	**25975.**
Stddev	13.6	12.1	203.	173.
%RSD	.17443	.12277	.15966	.66440
#1	7771.9	9824.7	126830.	25980.
#2	7799.1	9847.9	126910.	26145.
#3	7784.2	9830.5	127210.	25800.

Sample Name: 0012361-03 Acquired: 6/25/2010 16:16:19 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ6 CustID2: 1 CustID3: SS
Comment: 68

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.64166**	**-170.31**	**.21996**	**142.04**	**-.21147**	**124300.**	**-.01708**	**-.33806**
Stddev	.03650	4.89	.55775	1.55	.03732	975.	.07905	.05400
%RSD	5.6878	2.8731	253.57	1.0891	17.649	.78475	462.95	15.973
#1	-.67998	-167.00	.52785	140.67	-.19725	123400.	-.00874	-.35873
#2	-.63767	-167.99	.55589	143.72	-.18334	125330.	-.09996	-.37868
#3	-.60732	-175.93	-.42387	141.72	-.25380	124170.	.05748	-.27678
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-03 Acquired: 6/25/2010 16:16:19 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ6 CustID2: 1 CustID3: SS
Comment: 68

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.6241**	**13.039**	**324.38**	**1822.2**	**3220.3**	**12.568**	**5078.6**	**1.9132**
Stddev	.0819	.072	3.71	31.7	42.8	.032	61.0	.0766
%RSD	5.0412	.55540	1.1429	1.7407	1.3302	.25562	1.2019	4.0018
#1	1.6534	13.097	321.38	1809.4	3197.5	12.572	5032.4	1.8315
#2	1.5316	12.958	328.52	1858.3	3269.8	12.598	5147.8	1.9833
#3	1.6872	13.061	323.23	1798.8	3193.8	12.534	5055.5	1.9248
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-03 Acquired: 6/25/2010 16:16:19 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ6 CustID2: 1 CustID3: SS
Comment: 68

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.4102**	**-.11106**	**-.76883**	**.02579**	**-.74134**	**11.884**
Stddev	1.1571	.66640	.96527	1.2279	.29931	.084
%RSD	82.051	600.04	125.55	4760.9	40.374	.70898
#1	1.7284	.51634	-1.6506	-1.3161	-.80649	11.825
#2	2.3748	-.81059	.26249	.30010	-.41482	11.845
#3	.12730	-.03893	-.91836	1.0933	-1.0027	11.980
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-03 Acquired: 6/25/2010 16:16:19 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ6 CustID2: 1 CustID3: SS
Comment: 68

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7730.0**	**9811.1**	**126300.**	**25873.**
Stddev	4.6	1.1	111.	247.
%RSD	.05972	.01152	.08759	.95505
#1	7726.2	9812.3	126170.	26063.
#2	7735.1	9811.1	126360.	25594.
#3	7728.6	9810.0	126370.	25962.

Sample Name: 0012361-04 Acquired: 6/25/2010 16:20:46 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ7 CustID2: 1 CustID3: SS
Comment: 69

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.68966**	**-170.33**	**-.01334**	**101.56**	**-.21170**	**169580.**	**-.08485**	**-.24806**
Stddev	.18747	8.62	.88309	2.78	.02685	3540.	.06718	.06474
%RSD	27.184	5.0621	6620.4	2.7382	12.685	2.0873	79.177	26.100
#1	-.51039	-179.27	.40063	104.72	-.19519	173580.	-.14820	-.20937
#2	-.88438	-169.65	.58671	100.46	-.19723	168320.	-.09195	-.32280
#3	-.67421	-162.07	-1.0274	99.500	-.24269	166850.	-.01440	-.21200
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-04 Acquired: 6/25/2010 16:20:46 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ7 CustID2: 1 CustID3: SS
Comment: 69

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.61393**	**33.105**	**41.068**	**302.19**	**3107.9**	**2.3913**	**11233.**	**1.0580**
Stddev	.25241	.081	3.649	18.83	98.4	.0119	313.	.3437
%RSD	41.114	.24392	8.8864	6.2326	3.1652	.49609	2.7839	32.483
#1	.88475	33.197	45.154	321.24	3221.2	2.3959	11591.	1.0249
#2	.38522	33.071	38.133	301.76	3057.9	2.3779	11098.	1.4171
#3	.57181	33.047	39.917	283.58	3044.5	2.4003	11011.	.73215
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-04 Acquired: 6/25/2010 16:20:46 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ7 CustID2: 1 CustID3: SS
Comment: 69

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.12685**	**-.08798**	**1.0471**	**-.77193**	**-.13595**	**14.704**
Stddev	1.4144	.35617	1.7006	.22750	.09596	.091
%RSD	1115.0	404.83	162.41	29.471	70.588	.61990
#1	.58435	.19707	2.7583	-.54669	-.24650	14.602
#2	.79075	-.48725	-.64265	-.76749	-.07419	14.731
#3	-1.7557	.02624	1.0256	-1.0016	-.08715	14.778
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-04 Acquired: 6/25/2010 16:20:46 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ7 CustID2: 1 CustID3: SS
Comment: 69

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7562.8**	**9673.3**	**125010.**	**25381.**
Stddev	11.9	26.8	172.	703.
%RSD	.15746	.27706	.13723	2.7700
#1	7569.9	9688.5	124820.	24570.
#2	7569.5	9689.1	125060.	25760.
#3	7549.1	9642.3	125160.	25814.

Sample Name: 0012361-05 Acquired: 6/25/2010 16:25:15 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ8 CustID2: 1 CustID3: SS
Comment: 70

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.45703**	**-145.56**	**.57168**	**140.09**	**-.20424**	**120970.**	**-.02173**	**.02500**
Stddev	.16065	11.84	.64115	1.53	.04016	279.	.01465	.08795
%RSD	35.151	8.1319	112.15	1.0927	19.664	.23080	67.405	351.86
#1	-.38871	-145.60	1.0137	139.30	-.21351	120720.	-.01335	.09144
#2	-.64054	-133.71	.86505	139.11	-.23896	120910.	-.03864	-.07474
#3	-.34183	-157.38	-.16367	141.85	-.16026	121270.	-.01319	.05828
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-05 Acquired: 6/25/2010 16:25:15 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ8 CustID2: 1 CustID3: SS
Comment: 70

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.61361**	**1.4820**	**31.633**	**1194.3**	**4565.8**	**11.702**	**8699.6**	**1.1110**
Stddev	.36021	.1254	2.205	30.2	42.7	.118	108.4	.1174
%RSD	58.704	8.4593	6.9709	2.5255	.93607	1.0070	1.2465	10.565
#1	.57912	1.4856	29.353	1169.5	4539.3	11.596	8656.9	1.2260
#2	.98983	1.6054	31.791	1185.4	4543.1	11.829	8619.1	1.1156
#3	.27189	1.3548	33.755	1227.9	4615.1	11.683	8822.9	.99141
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-05 Acquired: 6/25/2010 16:25:15 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ8 CustID2: 1 CustID3: SS
Comment: 70

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.62054**	**.13050**	**.40093**	**-.89157**	**-.49388**	**1.5064**
Stddev	.88156	.55029	.78376	1.1260	.06070	.1444
%RSD	142.06	421.67	195.48	126.30	12.291	9.5842
#1	-1.5928	.49616	-.14968	-.61907	-.42382	1.6369
#2	-.39537	-.50237	1.2983	.07319	-.53091	1.5309
#3	.12660	.39772	.05422	-2.1288	-.52691	1.3513
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-05 Acquired: 6/25/2010 16:25:15 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ8 CustID2: 1 CustID3: SS
Comment: 70

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7701.8**	**9795.4**	**126010.**	**26004.**
Stddev	9.1	5.2	1318.	197.
%RSD	.11787	.05317	1.0459	.75737
#1	7695.7	9791.2	127370.	26206.
#2	7712.2	9801.2	124740.	25992.
#3	7697.5	9793.9	125940.	25813.

Sample Name: 0012361-06 Acquired: 6/25/2010 16:29:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK2 CustID2: 1 CustID3: SS
Comment: 71

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.35389**	**-195.93**	**-.64751**	**115.52**	**-.21118**	**152820.**	**-.01876**	**-.22646**
Stddev	.31394	9.89	.55830	.43	.02183	502.	.12589	.18242
%RSD	88.710	5.0483	86.224	.37614	10.336	.32862	670.88	80.553
#1	-.31489	-188.06	-.33311	115.24	-.23637	152740.	.12128	-.11399
#2	-.06128	-207.03	-1.2921	115.29	-.19909	152370.	-.12252	-.12845
#3	-.68551	-192.69	-.31730	116.02	-.19806	153360.	-.05506	-.43694
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-06 Acquired: 6/25/2010 16:29:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK2 CustID2: 1 CustID3: SS
Comment: 71

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.74256**	**15.933**	**-20.230**	**727.49**	**3435.9**	**.56109**	**8158.2**	**.25283**
Stddev	.23244	.031	.884	21.76	25.4	.02818	11.5	.10971
%RSD	31.303	.19764	4.3713	2.9914	.73985	5.0222	.14141	43.392
#1	.59079	15.920	-19.933	717.46	3462.1	.59319	8144.9	.12794
#2	.62673	15.909	-21.225	752.46	3411.4	.54044	8165.6	.33363
#3	1.0102	15.969	-19.533	712.56	3434.1	.54964	8164.1	.29693
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-06 Acquired: 6/25/2010 16:29:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK2 CustID2: 1 CustID3: SS
Comment: 71

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.65875**	**.31905**	**-2.1067**	**-.65831**	**-.72440**	**3.6053**
Stddev	.92730	1.1223	.2596	1.3017	.21728	.0335
%RSD	140.77	351.76	12.323	197.74	29.995	.92985
#1	-.91409	.65415	-2.1652	-1.8425	-.53903	3.5681
#2	.36946	-.93261	-2.3321	.73556	-.96350	3.6331
#3	-1.4316	1.2356	-1.8228	-.86805	-.67065	3.6148
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-06 Acquired: 6/25/2010 16:29:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK2 CustID2: 1 CustID3: SS
Comment: 71

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7620.4**	**9721.2**	**125510.**	**26012.**
Stddev	13.9	4.0	197.	77.
%RSD	.18204	.04114	.15663	.29646
#1	7633.9	9725.6	125310.	25925.
#2	7621.1	9717.8	125710.	26073.
#3	7606.2	9720.3	125510.	26037.

Sample Name: 0012361-07 Acquired: 6/25/2010 16:34:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL1 CustID2: 1 CustID3: SS
Comment: 72

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.65961**	**-89.643**	**-.61231**	**.28122**	**-.19726**	**387.10**	**.04958**	**-.31457**
Stddev	.49207	4.358	.87664	.01733	.02903	5.90	.06005	.11849
%RSD	74.600	4.8612	143.17	6.1634	14.717	1.5234	121.12	37.666
#1	-.90231	-90.974	-1.6209	.26135	-.22661	380.44	.04852	-.38802
#2	-.09334	-93.180	-.18228	.28907	-.19660	389.22	-.00993	-.37781
#3	-.98317	-84.775	-.03373	.29324	-.16856	391.65	.11015	-.17788
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-07 Acquired: 6/25/2010 16:34:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL1 CustID2: 1 CustID3: SS
Comment: 72

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.01788**	**41.885**	**-38.160**	**3042.9**	**-76.922**	**.34304**	**150950.**	**-.02507**
Stddev	.06803	.228	.516	24.4	15.720	.04658	776.	.25003
%RSD	380.52	.54354	1.3521	.80054	20.436	13.578	.51389	997.21
#1	.09640	41.641	-38.071	3028.6	-73.185	.32413	150750.	.26109
#2	-.01916	42.092	-37.695	3029.2	-63.408	.30889	150290.	-.20128
#3	-.02359	41.921	-38.715	3071.1	-94.174	.39610	151800.	-.13503
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012361-07 Acquired: 6/25/2010 16:34:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL1 CustID2: 1 CustID3: SS
Comment: 72

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.14187**	**-1.4991**	**2.4530**	**.01383**	**-.35784**	**6.6082**
Stddev	.42687	.5868	1.4770	.59764	.11464	.0512
%RSD	300.90	39.141	60.211	4321.3	32.036	.77402
#1	-.24885	-1.6538	1.5332	-.34293	-.42758	6.5522
#2	-.50507	-1.9931	1.6690	-.31937	-.42042	6.6525
#3	.32832	-.85051	4.1566	.70379	-.22553	6.6200
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012361-07 Acquired: 6/25/2010 16:34:13 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL1 CustID2: 1 CustID3: SS
Comment: 72

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7486.3**	**9796.2**	**123420.**	**25843.**
Stddev	2.9	10.5	268.	31.
%RSD	.03874	.10764	.21745	.11816
#1	7483.1	9792.9	123470.	25878.
#2	7487.2	9808.0	123120.	25828.
#3	7488.7	9787.6	123650.	25823.

Sample Name: 0012383-01 Acquired: 6/25/2010 16:38:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ2 CustID2: 1 CustID3: SS
Comment: 73

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.34990**	**-218.60**	**-.39299**	**166.59**	**-.20002**	**161370.**	**-.05701**	**-.56836**
Stddev	.18948	3.74	.56883	.74	.03050	174.	.06301	.03004
%RSD	54.153	1.7127	144.74	.44660	15.247	.10804	110.51	5.2850
#1	-.52114	-218.36	-.28562	165.76	-.16658	161560.	-.12569	-.55737
#2	-.38221	-214.98	-1.0078	166.80	-.22629	161240.	-.04348	-.60235
#3	-.14634	-222.46	.11451	167.20	-.20718	161300.	-.00187	-.54537
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-01 Acquired: 6/25/2010 16:38:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ2 CustID2: 1 CustID3: SS
Comment: 73

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.50114**	**3.2212**	**146.62**	**1627.6**	**10217.**	**39.819**	**16277.**	**-.23146**
Stddev	.25266	.0708	.25	18.5	32.	.018	38.	.11247
%RSD	50.417	2.1967	.17322	1.1389	.30946	.04441	.23168	48.593
#1	.76032	3.2556	146.63	1626.7	10227.	39.804	16255.	-.10984
#2	.25555	3.1399	146.36	1609.5	10182.	39.814	16256.	-.33173
#3	.48755	3.2683	146.87	1646.6	10243.	39.838	16321.	-.25281
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-01 Acquired: 6/25/2010 16:38:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ2 CustID2: 1 CustID3: SS
Comment: 73

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.4725**	**-.02054**	**-1.6065**	**.14369**	**-1.1014**	**59.170**
Stddev	1.3556	.72463	1.0756	.75662	.4264	.131
%RSD	92.056	3527.6	66.952	526.55	38.710	.22180
#1	.33332	-.53561	-1.8103	.71314	-1.5273	59.252
#2	1.1125	-.33408	-.44357	.43280	-1.1025	59.019
#3	2.9717	.80806	-2.5655	-.71485	-.67455	59.240
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-01 Acquired: 6/25/2010 16:38:43 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ2 CustID2: 1 CustID3: SS
Comment: 73

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7521.2**	**9669.8**	**123400.**	**25696.**
Stddev	6.0	17.4	309.	60.
%RSD	.07924	.17971	.25035	.23389
#1	7527.1	9677.2	123120.	25754.
#2	7521.4	9682.2	123350.	25699.
#3	7515.1	9649.9	123730.	25634.

Sample Name: 0012383-02 Acquired: 6/25/2010 16:43:09 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ3 CustID2: 1 CustID3: SS
Comment: 74

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.47341**	**-194.97**	**-.05351**	**169.64**	**-.23142**	**112100.**	**.03050**	**-.72127**
Stddev	.14076	7.63	1.2935	.29	.02873	522.	.12092	.23460
%RSD	29.733	3.9149	2417.2	.17231	12.413	.46534	396.50	32.526
#1	-.45776	-186.39	.23754	169.33	-.24948	112470.	.16932	-.45636
#2	-.62134	-197.53	-1.4678	169.92	-.19829	112330.	-.02596	-.80473
#3	-.34113	-201.00	1.0697	169.68	-.24648	111510.	-.05187	-.90274
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-02 Acquired: 6/25/2010 16:43:09 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ3 CustID2: 1 CustID3: SS
Comment: 74

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.54561**	**8.4529**	**-37.044**	**1412.2**	**8125.5**	**15.948**	**16266.**	**-.25780**
Stddev	.01631	.1361	1.312	21.9	40.3	.084	36.	.01204
%RSD	2.9899	1.6104	3.5415	1.5482	.49577	.52675	.22360	4.6694
#1	.55128	8.5225	-37.712	1388.4	8148.7	16.044	16308.	-.25641
#2	.52721	8.5402	-35.533	1417.0	8148.9	15.893	16241.	-.27048
#3	.55832	8.2961	-37.888	1431.4	8079.0	15.905	16249.	-.24653
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-02 Acquired: 6/25/2010 16:43:09 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ3 CustID2: 1 CustID3: SS
Comment: 74

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.26678**	**-.03454**	**-.97671**	**-.11775**	**-.67799**	**5.3249**
Stddev	1.3466	.35423	1.3911	.73869	.12048	.0680
%RSD	504.77	1025.6	142.43	627.32	17.770	1.2767
#1	1.2003	.37240	-.34065	.66418	-.77093	5.2521
#2	-1.2769	-.20230	-2.5721	-.21358	-.54188	5.3867
#3	.87690	-.27372	-.01734	-.80386	-.72118	5.3360
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-02 Acquired: 6/25/2010 16:43:09 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ3 CustID2: 1 CustID3: SS
Comment: 74

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7670.4**	**9789.6**	**125770.**	**25813.**
Stddev	.9	7.2	346.	132.
%RSD	.01129	.07401	.27525	.51313
#1	7670.0	9798.0	125520.	25674.
#2	7669.8	9785.5	125630.	25827.
#3	7671.4	9785.5	126170.	25938.

Sample Name: 0012383-03 Acquired: 6/25/2010 16:47:37 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ9 CustID2: 1 CustID3: SS
Comment: 75

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.52095**	**-92.319**	**.43459**	**36.303**	**-.26037**	**1910.0**	**-.08064**	**-.34440**
Stddev	.06412	2.481	.36982	.224	.03420	18.4	.07138	.10252
%RSD	12.307	2.6869	85.096	.61822	13.134	.96075	88.510	29.768
#1	-.58146	-90.265	.15067	36.561	-.28618	1923.9	-.14502	-.23757
#2	-.52763	-95.075	.30032	36.161	-.22159	1917.1	-.00388	-.44199
#3	-.45376	-91.616	.85279	36.186	-.27336	1889.2	-.09304	-.35365
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-03 Acquired: 6/25/2010 16:47:37 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ9 CustID2: 1 CustID3: SS
Comment: 75

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.21661**	**1.0839**	**-43.733**	**1339.7**	**826.88**	**.73786**	**258490.**	**-.10906**
Stddev	.14806	.1407	.599	19.9	11.13	.03261	2447.	.21534
%RSD	68.350	12.980	1.3694	1.4854	1.3459	4.4200	.94670	197.45
#1	-.10534	1.2143	-43.043	1339.3	816.90	.72321	257030.	-.13236
#2	-.15985	1.1026	-44.113	1320.0	838.88	.71514	261310.	.11698
#3	-.38465	.93478	-44.043	1359.8	824.86	.77523	257120.	-.31181
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-03 Acquired: 6/25/2010 16:47:37 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ9 CustID2: 1 CustID3: SS
Comment: 75

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.3361**	**-1.1136**	**-.04010**	**.70064**	**-.67223**	**.53782**
Stddev	.8153	.8417	1.6140	.59614	.34529	.07536
%RSD	61.022	75.584	4024.9	85.085	51.364	14.013
#1	.40040	-1.9590	1.0935	.40634	-1.0704	.56610
#2	1.8938	-1.1062	-1.8879	1.3867	-.45588	.45241
#3	1.7142	-.27563	.67413	.30888	-.49039	.59496
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-03 Acquired: 6/25/2010 16:47:37 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JJ9 CustID2: 1 CustID3: SS
Comment: 75

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7253.6**	**9682.8**	**120550.**	**25701.**
Stddev	25.2	23.6	113.	127.
%RSD	.34765	.24367	.09367	.49593
#1	7242.6	9668.9	120550.	25805.
#2	7282.5	9710.0	120440.	25559.
#3	7235.8	9669.4	120670.	25739.

Sample Name: 0012383-04 Acquired: 6/25/2010 16:52:05 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK0 CustID2: 1 CustID3: SS
Comment: 76

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.39445**	**-98.080**	**.03158**	**36.383**	**-.23844**	**1880.5**	**.02824**	**-.29319**
Stddev	.19932	6.899	.88692	.088	.05556	4.4	.06123	.13478
%RSD	50.531	7.0338	2808.4	.24219	23.302	.23487	216.87	45.971
#1	-.50465	-90.130	-.82953	36.305	-.18146	1883.7	-.03825	-.15473
#2	-.16436	-102.49	.94224	36.366	-.24138	1882.4	.04063	-.42396
#3	-.51433	-101.62	-.01797	36.478	-.29247	1875.5	.08232	-.30087
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-04 Acquired: 6/25/2010 16:52:05 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK0 CustID2: 1 CustID3: SS
Comment: 76

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.19058**	**.71937**	**-45.513**	**1368.1**	**831.77**	**.53631**	**256940.**	**-.21778**
Stddev	.18281	.20809	.654	10.2	4.77	.03190	1918.	.13233
%RSD	95.924	28.926	1.4376	.74780	.57340	5.9486	.74649	60.761
#1	-.18415	.58706	-44.995	1356.3	826.78	.50165	259080.	-.34007
#2	-.37651	.61183	-45.296	1374.2	832.25	.54284	255390.	-.23597
#3	-.01107	.95922	-46.248	1373.7	836.28	.56444	256340.	-.07730
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-04 Acquired: 6/25/2010 16:52:05 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK0 CustID2: 1 CustID3: SS
Comment: 76

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.75884**	**-.47749**	**-.78153**	**.48565**	**-.32251**	**1.3539**
Stddev	2.0482	.06257	.66959	.29384	.06527	.0665
%RSD	269.92	13.103	85.677	60.503	20.238	4.9128
#1	-1.0784	-.45417	-1.0042	.47191	-.26148	1.4270
#2	.38759	-.54836	-.02898	.19893	-.39132	1.3378
#3	2.9673	-.42993	-1.3114	.78612	-.31473	1.2970
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-04 Acquired: 6/25/2010 16:52:05 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK0 CustID2: 1 CustID3: SS
Comment: 76

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7169.6**	**9577.1**	**120700.**	**25665.**
Stddev	70.5	101.9	1124.	105.
%RSD	.98376	1.0643	.93114	.40985
#1	7186.7	9600.0	120420.	25547.
#2	7230.0	9665.7	121940.	25750.
#3	7092.1	9465.7	119740.	25697.

Sample Name: 0012383-05 Acquired: 6/25/2010 16:56:04 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK3 CustID2: 1 CustID3: SS
Comment: 77

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.64061**	**-189.71**	**-.25924**	**125.44**	**-.23053**	**105590.**	**.13119**	**-.10392**
Stddev	.13597	15.24	1.2090	.29	.03561	572.	.08217	.06289
%RSD	21.224	8.0309	466.37	.23117	15.448	.54182	62.636	60.520
#1	-.63219	-203.99	.89408	125.60	-.25966	106250.	.14022	-.17652
#2	-.50905	-173.67	-1.5172	125.10	-.24111	105210.	.04487	-.06901
#3	-.78059	-191.47	-.15463	125.62	-.19083	105320.	.20846	-.06622
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-05 Acquired: 6/25/2010 16:56:04 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK3 CustID2: 1 CustID3: SS
Comment: 77

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.51179**	**4.2185**	**53.413**	**1845.6**	**13207.**	**10.293**	**27152.**	**.99894**
Stddev	.36519	.1887	.973	1.6	12.	.065	47.	.16159
%RSD	71.355	4.4727	1.8214	.08658	.09078	.62744	.17362	16.176
#1	.90158	4.0421	53.043	1847.0	13220.	10.360	27195.	1.1059
#2	.17757	4.1960	52.679	1846.0	13196.	10.231	27160.	1.0779
#3	.45622	4.4174	54.517	1843.9	13206.	10.289	27102.	.81305
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-05 Acquired: 6/25/2010 16:56:04 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK3 CustID2: 1 CustID3: SS
Comment: 77

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.09454**	**-.54892**	**-1.6307**	**.00957**	**-.77432**	**1.2418**
Stddev	1.0918	.25492	1.9278	.43720	.05968	.0901
%RSD	1154.8	46.440	118.22	4566.4	7.7080	7.2540
#1	-1.1627	-.76405	-3.0213	.42329	-.83091	1.1485
#2	.80414	-.61534	.56992	-.44784	-.78008	1.2485
#3	.64218	-.26736	-2.4408	.05328	-.71196	1.3283
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-05 Acquired: 6/25/2010 16:56:04 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK3 CustID2: 1 CustID3: SS
Comment: 77

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7608.3**	**9763.8**	**125000.**	**25848.**
Stddev	13.5	4.5	32.	128.
%RSD	.17719	.04558	.02594	.49341
#1	7609.0	9767.9	125030.	25702.
#2	7621.4	9764.4	124960.	25902.
#3	7594.5	9759.0	125000.	25939.

Sample Name: 0012383-06 Acquired: 6/25/2010 17:00:29 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK4 CustID2: 1 CustID3: SS
Comment: 78

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.63652**	**-218.94**	**.90593**	**122.00**	**-.24123**	**151280.**	**.00048**	**-.51870**
Stddev	.32049	8.24	1.0698	.40	.01073	547.	.01764	.07259
%RSD	50.350	3.7622	118.09	.32657	4.4478	.36169	3708.4	13.995
#1	-.69418	-217.77	.41861	122.46	-.23818	151410.	.01442	-.52667
#2	-.92427	-227.70	.16651	121.78	-.25315	150680.	-.01936	-.44244
#3	-.29112	-211.35	2.1327	121.76	-.23235	151750.	.00636	-.58697
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-06 Acquired: 6/25/2010 17:00:29 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK4 CustID2: 1 CustID3: SS
Comment: 78

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.63629**	**7.1142**	**-59.209**	**832.65**	**4192.3**	**2.1071**	**9183.6**	**2.3031**
Stddev	.03712	.4216	.807	20.00	29.7	.0297	21.1	.0158
%RSD	5.8339	5.9267	1.3624	2.4026	.70837	1.4092	.22989	.68654
#1	.59441	6.7838	-58.911	841.06	4166.3	2.0859	9191.7	2.2950
#2	.66515	7.5891	-58.594	809.81	4186.0	2.1410	9159.7	2.2929
#3	.64930	6.9697	-60.122	847.08	4224.7	2.0943	9199.5	2.3213
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-06 Acquired: 6/25/2010 17:00:29 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK4 CustID2: 1 CustID3: SS
Comment: 78

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.39465**	**-.20062**	**-.89329**	**-.28261**	**-.59721**	**8.2057**
Stddev	.69269	.44884	1.7318	1.3852	.08736	.0080
%RSD	175.52	223.72	193.86	490.14	14.628	.09813
#1	-1.1609	.17247	-1.2841	1.2129	-.65172	8.2077
#2	.18720	-.69871	-2.3963	-.53902	-.49645	8.2125
#3	-.21027	-.07563	1.0005	-1.5217	-.64347	8.1968
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-06 Acquired: 6/25/2010 17:00:29 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK4 CustID2: 1 CustID3: SS
Comment: 78

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7612.5**	**9728.0**	**124460.**	**26027.**
Stddev	6.9	2.6	259.	69.
%RSD	.09076	.02701	.20796	.26574
#1	7605.9	9730.7	124620.	26003.
#2	7611.9	9725.5	124600.	26105.
#3	7619.7	9727.8	124160.	25974.

Sample Name: 0012383-07 Acquired: 6/25/2010 17:04:56 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK5 CustID2: 1 CustID3: SS
Comment: 79

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.80688**	**-54.191**	**.12565**	**.23187**	**-.20451**	**131.87**	**-.00266**	**-.09611**
Stddev	.28030	9.948	.73510	.06889	.03917	59.36	.13470	.12742
%RSD	34.739	18.357	585.06	29.712	19.151	45.015	5072.0	132.57
#1	-1.0953	-63.909	-.50182	.24772	-.24435	68.624	-.13177	-.20023
#2	-.78978	-54.637	.93444	.15643	-.20312	186.38	-.01320	.04598
#3	-.53552	-44.027	-.05569	.29146	-.16606	140.61	.13701	-.13409
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-07 Acquired: 6/25/2010 17:04:56 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK5 CustID2: 1 CustID3: SS
Comment: 79

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.02540**	**19.782**	**-4.6255**	**71.474**	**-109.94**	**2.6225**	**129080.**	**.01556**
Stddev	.16093	.298	1.2804	23.045	13.04	.0740	1201.	.14655
%RSD	633.67	1.5065	27.682	32.242	11.860	2.8225	.93076	941.65
#1	.06307	20.124	-5.0363	54.679	-117.82	2.7073	128770.	.18202
#2	-.21116	19.639	-5.6501	97.746	-117.11	2.5708	128060.	-.04129
#3	.07190	19.582	-3.1901	61.997	-94.890	2.5895	130400.	-.09404
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012383-07 Acquired: 6/25/2010 17:04:56 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK5 CustID2: 1 CustID3: SS
Comment: 79

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.1231**	**-.83217**	**.52655**	**.24429**	**-.25950**	**3.1269**
Stddev	1.3549	.29600	.68953	.26815	.17193	.1258
%RSD	120.65	35.569	130.95	109.77	66.253	4.0227
#1	1.1307	-1.1483	1.0877	.17813	-.45796	3.0049
#2	-.23567	-.78662	-.24320	.01541	-.15565	3.1197
#3	2.4742	-.56159	.73519	.53932	-.16490	3.2561
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012383-07 Acquired: 6/25/2010 17:04:56 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK5 CustID2: 1 CustID3: SS
Comment: 79

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7555.5**	**9846.6**	**124480.**	**26037.**
Stddev	2.2	8.5	977.	47.
%RSD	.02965	.08646	.78451	.17891
#1	7553.8	9856.3	123350.	25986.
#2	7558.1	9840.2	125060.	26078.
#3	7554.7	9843.3	125030.	26045.

Sample Name: 0012393-01 Acquired: 6/25/2010 17:09:25 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK1 CustID2: 1 CustID3: SS
Comment: 80

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.28980**	**-167.60**	**-.83989**	**162.98**	**-.23794**	**108490.**	**.04991**	**-.52823**
Stddev	.29642	9.70	.56474	.61	.02836	482.	.10460	.05128
%RSD	102.28	5.7872	67.239	.37387	11.920	.44458	209.58	9.7081
#1	-.39016	-157.51	-.20996	163.65	-.23318	107950.	.11006	-.46904
#2	-.52302	-176.86	-1.3009	162.84	-.26838	108880.	-.07087	-.55638
#3	.04377	-168.44	-1.0089	162.46	-.21226	108640.	.11054	-.55927
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-01 Acquired: 6/25/2010 17:09:25 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK1 CustID2: 1 CustID3: SS
Comment: 80

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.42003**	**20.641**	**-31.921**	**1242.8**	**7841.8**	**8.2370**	**9469.5**	**.06570**
Stddev	.25005	.140	.728	4.0	13.1	.0438	18.6	.18138
%RSD	59.533	.67932	2.2801	.32377	.16642	.53153	.19623	276.07
#1	.68113	20.735	-31.121	1247.1	7833.0	8.2129	9450.5	-.12581
#2	.39622	20.480	-32.545	1239.2	7835.7	8.2876	9487.6	.08802
#3	.18273	20.708	-32.096	1242.1	7856.8	8.2106	9470.3	.23489
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-01 Acquired: 6/25/2010 17:09:25 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK1 CustID2: 1 CustID3: SS
Comment: 80

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.50117**	**-.23113**	**1.2478**	**-.46476**	**-.61870**	**7.3382**
Stddev	.97993	.34470	.7657	.83350	.34159	.0772
%RSD	195.53	149.13	61.363	179.34	55.210	1.0522
#1	.95085	-.31308	1.7380	-1.4182	-.23918	7.2491
#2	-.62289	.14716	.36547	.12593	-.71543	7.3865
#3	1.1755	-.52747	1.6398	-.10206	-.90150	7.3789
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-01 Acquired: 6/25/2010 17:09:25 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK1 CustID2: 1 CustID3: SS
Comment: 80

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7715.9**	**9822.2**	**126860.**	**26124.**
Stddev	13.6	21.8	295.	121.
%RSD	.17672	.22227	.23255	.46404
#1	7700.8	9799.1	126970.	26155.
#2	7727.3	9842.4	126530.	26227.
#3	7719.5	9825.0	127090.	25990.

Sample Name: 0012393-02 Acquired: 6/25/2010 17:13:53 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK6 CustID2: 1 CustID3: SS
Comment: 81

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.40600**	**-91.396**	**-1.3604**	**93.436**	**-.23032**	**138190.**	**.08202**	**-.34434**
Stddev	.33371	6.319	.6688	.339	.02980	88.	.10039	.03586
%RSD	82.195	6.9133	49.162	.36328	12.940	.06357	122.40	10.415
#1	-.05211	-97.950	-1.5431	93.616	-.22540	138130.	.19378	-.30337
#2	-.71499	-85.343	-.61926	93.045	-.20328	138290.	.05279	-.35962
#3	-.45090	-90.894	-1.9189	93.648	-.26227	138140.	-.00052	-.37003
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-02 Acquired: 6/25/2010 17:13:53 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK6 CustID2: 1 CustID3: SS
Comment: 81

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.98951**	**6.1129**	**-2.7325**	**625.05**	**2926.9**	**2.3843**	**8283.6**	**.90245**
Stddev	.35700	.0910	1.3536	4.79	16.5	.0029	26.3	.28104
%RSD	36.079	1.4879	49.537	.76670	.56283	.12162	.31693	31.141
#1	.98590	6.0276	-4.2357	619.81	2945.2	2.3821	8286.5	.68961
#2	1.3483	6.1024	-2.3516	626.14	2913.1	2.3832	8256.0	1.2210
#3	.63432	6.2086	-1.6101	629.21	2922.5	2.3876	8308.2	.79672
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-02 Acquired: 6/25/2010 17:13:53 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK6 CustID2: 1 CustID3: SS
Comment: 81

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.8435**	**.49243**	**-.46231**	**-.32216**	**-.58970**	**37.557**
Stddev	1.0840	.62126	2.4635	.57322	.11950	.192
%RSD	58.803	126.16	532.87	177.93	20.264	.51001
#1	2.9515	-.22480	-2.8335	.26640	-.47328	37.336
#2	.78507	.86320	-.63762	-.87869	-.58376	37.661
#3	1.7940	.83890	2.0842	-.35418	-.71206	37.675
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-02 Acquired: 6/25/2010 17:13:53 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK6 CustID2: 1 CustID3: SS
Comment: 81

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7606.4**	**9712.6**	**125420.**	**25773.**
Stddev	10.4	7.7	90.	43.
%RSD	.13618	.07881	.07164	.16667
#1	7613.5	9713.2	125350.	25754.
#2	7611.3	9720.0	125400.	25822.
#3	7594.5	9704.7	125520.	25743.

Sample Name: 0012393-03 Acquired: 6/25/2010 17:18:21 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK7 CustID2: 1 CustID3: SS
Comment: 82

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.54364**	**-120.14**	**-.22126**	**92.910**	**-.21400**	**136180.**	**.08155**	**-.28315**
Stddev	.32934	3.70	.26791	.106	.02801	746.	.04717	.05366
%RSD	60.581	3.0827	121.08	.11365	13.089	.54776	57.839	18.950
#1	-.81462	-124.41	.07349	92.790	-.22937	136960.	.07883	-.25982
#2	-.63923	-117.79	-.44999	92.985	-.23097	136110.	.13003	-.24511
#3	-.17708	-118.23	-.28727	92.957	-.18167	135470.	.03581	-.34452
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-03 Acquired: 6/25/2010 17:18:21 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK7 CustID2: 1 CustID3: SS
Comment: 82

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.94599**	**5.7901**	**-13.636**	**531.15**	**2892.7**	**1.6337**	**8184.5**	**.72851**
Stddev	.09086	.0695	.563	7.32	6.9	.0520	11.0	.11767
%RSD	9.6044	1.1996	4.1268	1.3779	.23820	3.1823	.13385	16.152
#1	.91697	5.8607	-13.517	536.46	2890.0	1.6855	8172.5	.86280
#2	.87319	5.7219	-13.142	522.80	2887.6	1.6339	8187.3	.67925
#3	1.0478	5.7876	-14.249	534.20	2900.5	1.5815	8193.9	.64348
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-03 Acquired: 6/25/2010 17:18:21 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK7 CustID2: 1 CustID3: SS
Comment: 82

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.53148**	**-.16537**	**.14914**	**-1.4167**	**-.44182**	**28.424**
Stddev	.19892	.30439	1.1114	.3142	.07818	.343
%RSD	37.427	184.07	745.18	22.181	17.695	1.2064
#1	.68160	-.28315	-.19020	-1.1101	-.41181	28.413
#2	.60696	.18031	1.3906	-1.7381	-.38308	28.772
#3	.30587	-.39328	-.75300	-1.4018	-.53055	28.086
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-03 Acquired: 6/25/2010 17:18:21 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK7 CustID2: 1 CustID3: SS
Comment: 82

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7583.4**	**9675.7**	**126180.**	**25884.**
Stddev	100.1	130.4	156.	106.
%RSD	1.3200	1.3474	.12366	.40931
#1	7627.6	9745.6	126010.	25791.
#2	7468.9	9525.3	126200.	25862.
#3	7653.9	9756.2	126320.	25999.

Sample Name: 0012393-04 Acquired: 6/25/2010 17:22:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK8 CustID2: 1 CustID3: SS
Comment: 83

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.37383**	**-130.18**	**-.57604**	**72.197**	**-.22719**	**48767.**	**-.05786**	**-.64344**
Stddev	.33616	10.98	.58621	.752	.01952	451.	.09950	.02067
%RSD	89.922	8.4345	101.76	1.0414	8.5920	.92532	171.97	3.2125
#1	-.01184	-129.46	-.34067	71.356	-.23696	48251.	.01334	-.64556
#2	-.43349	-119.57	-1.2434	72.431	-.20471	49085.	-.01536	-.66296
#3	-.67617	-141.50	-.14411	72.804	-.23989	48966.	-.17155	-.62179
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-04 Acquired: 6/25/2010 17:22:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK8 CustID2: 1 CustID3: SS
Comment: 83

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.28339**	**.35470**	**24.012**	**2217.3**	**16486.**	**8.6446**	**49605.**	**-.54817**
Stddev	.07259	.09425	1.122	21.5	188.	.0705	460.	.20232
%RSD	25.614	26.573	4.6729	.96984	1.1409	.81531	.92673	36.907
#1	.19961	.25258	22.899	2194.2	16283.	8.5847	49074.	-.32014
#2	.32305	.37316	23.996	2221.0	16654.	8.6268	49874.	-.61821
#3	.32751	.43836	25.143	2236.7	16523.	8.7222	49866.	-.70616
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-04 Acquired: 6/25/2010 17:22:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK8 CustID2: 1 CustID3: SS
Comment: 83

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.85072**	**-.67986**	**.70474**	**-.77876**	**-.47118**	**2.0089**
Stddev	.98623	.22055	.90861	.88249	.15044	.1314
%RSD	115.93	32.440	128.93	113.32	31.928	6.5397
#1	-.21401	-.58691	1.2480	-.92274	-.51067	1.8920
#2	1.7329	-.93167	-.34422	.16687	-.30493	2.1510
#3	1.0332	-.52100	1.2104	-1.5804	-.59793	1.9836
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-04 Acquired: 6/25/2010 17:22:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK8 CustID2: 1 CustID3: SS
Comment: 83

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7631.0**	**9809.0**	**126410.**	**26068.**
Stddev	2.7	8.2	97.	179.
%RSD	.03577	.08324	.07646	.68632
#1	7628.2	9799.6	126310.	26253.
#2	7633.7	9814.1	126400.	25896.
#3	7631.1	9813.3	126510.	26054.

Sample Name: 0F25005-IBL1 Acquired: 6/25/2010 17:27:08 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 49

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.49308**	k **-148.02**	k **-.45103**	k **79.521**	k **-.23831**	^ *****	k **.07854**	k **-.51144**
Stddev	.19544	65.39	.20537	103.06	.06209	-----	.08432	.15701
%RSD	39.636	44.179	45.534	129.60	26.053	-----	107.35	30.700
#1	-.34838	-88.599	-.28134	-.6091	-.19941	-88.099	.05335	-.50010
#2	-.41546	k -137.38	k -.67934	k 43.394	k -.30991	^ -----	k .00970	k -.67382
#3	-.71541	-218.08	-.39241	195.78	-.20561	166290.	.17258	-.36041
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-IBL1 Acquired: 6/25/2010 17:27:08 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 49

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	k **.88051**	k **1.7877**	k **-32.861**	k **338.03**	k **2602.5**	k **.84641**	k **4084.5**	k **.86171**
Stddev	.49471	.2469	15.018	458.76	3411.9	.21737	5217.1	.14558
%RSD	56.184	13.809	45.703	135.71	131.10	25.681	127.73	16.894
#1	1.2991	1.9722	-46.506	-9.3104	-108.21	.98059	52.132	.83085
#2	k 1.0079	k 1.8838	k -35.306	k 165.34	k 1482.0	k .96303	k 2224.8	k 1.0202
#3	.33457	1.5073	-16.770	858.07	6433.8	.59562	9976.7	.73404
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-IBL1 Acquired: 6/25/2010 17:27:08 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 49

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	k **-.47497**	k **.36257**	k **.37472**	k **-1.6048**	k **-.39600**	k **25.894**
Stddev	1.1880	1.2324	1.7070	.9113	.47285	.294
%RSD	250.13	339.90	455.54	56.786	119.41	1.1359
#1	-1.4689	1.7264	2.3457	-2.2904	-.19958	26.154
#2	k -.79682	k .03245	k -.59496	k -.57069	k -.05301	k 25.952
#3	.84082	-.67112	-.62658	-1.9534	-.93540	25.575
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0F25005-IBL1 Acquired: 6/25/2010 17:27:08 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 49

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7468.7**	**9614.0**	**123800.**	**26356.**
Stddev	12.0	14.1	720.	1574.
%RSD	.16106	.14671	.58137	5.9736
#1	7482.4	9629.7	123170.	26677.
#2	7463.6	9609.6	123650.	27746.
#3	7460.1	9602.5	124590.	24646.

Sample Name: 0F25005-IBL2 Acquired: 6/25/2010 17:31:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 84

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.72911**	**-119.47**	**.68630**	**-.48277**	**-.23887**	**-112.50**	**-.11881**	**-.24728**
Stddev	.14519	4.09	.40681	.10724	.00386	6.90	.01265	.02433
%RSD	19.913	3.4263	59.276	22.213	1.6160	6.1363	10.648	9.8407
#1	-.81839	-118.59	1.0704	-.54206	-.23843	-104.59	-.13340	-.22238
#2	-.80736	-115.89	.26004	-.54728	-.24292	-117.27	-.11085	-.24844
#3	-.56159	-123.94	.72847	-.35898	-.23524	-115.65	-.11218	-.27101
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-IBL2 Acquired: 6/25/2010 17:31:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 84

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.31895**	**-2.7154**	**-48.374**	**-32.750**	**-112.60**	**-.24931**	**.48192**	**-.18795**
Stddev	.12414	.1493	.767	10.297	7.03	.03167	8.4574	.04501
%RSD	38.922	5.4977	1.5863	31.442	6.2399	12.702	1755.0	23.948
#1	-.45802	-2.7479	-48.893	-44.389	-113.02	-.21536	9.8249	-.13598
#2	-.27949	-2.8458	-47.493	-29.035	-119.41	-.27805	-6.6513	-.21458
#3	-.21933	-2.5526	-48.738	-24.826	-105.38	-.25452	-1.7279	-.21329
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0F25005-IBL2 Acquired: 6/25/2010 17:31:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 84

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.5859**	**-.69497**	**.86755**	**.24301**	**-.47247**	**-.47417**
Stddev	.3837	.24986	.84749	.13614	.14627	.06651
%RSD	24.196	35.953	97.688	56.021	30.958	14.027
#1	1.9324	-.97606	.65059	.27202	-.35918	-.44353
#2	1.6519	-.61077	.14964	.36230	-.63760	-.42850
#3	1.1735	-.49808	1.8024	.09471	-.42063	-.55049
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0F25005-IBL2 Acquired: 6/25/2010 17:31:31 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: ZZZZZZ CustID2: 1 CustID3: SS
Comment: 84

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20527.**	**25582.**	**321730.**	**44856.**
Stddev	208.	269.	23883.	315.
%RSD	1.0149	1.0508	7.4234	.70178
#1	20626.	25698.	319890.	44550.
#2	20668.	25774.	346480.	45179.
#3	20288.	25275.	298820.	44839.

Sample Name: 0012393-05 Acquired: 6/25/2010 17:35:59 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK9 CustID2: 1 CustID3: SS
Comment: 85

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.39366**	**-197.76**	**-.93443**	**189.10**	**-.20494**	**172200.**	**.07923**	**-.62311**
Stddev	.43036	3.41	.34424	.56	.00931	1192.	.10878	.03960
%RSD	109.32	1.7259	36.839	.29726	4.5432	.69237	137.30	6.3547
#1	-.83707	-196.94	-1.3318	188.82	-.21040	173450.	.05579	-.66803
#2	-.36624	-201.51	-.72735	188.73	-.21022	172100.	-.01592	-.59325
#3	.02234	-194.84	-.74414	189.75	-.19418	171070.	.19782	-.60805
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-05 Acquired: 6/25/2010 17:35:59 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK9 CustID2: 1 CustID3: SS
Comment: 85

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.60970**	**1.7881**	**-19.437**	**838.40**	**6247.3**	**.56544**	**9612.2**	**.47074**
Stddev	.14983	.1069	.484	6.52	32.1	.05522	9.3	.16322
%RSD	24.574	5.9803	2.4924	.77754	.51310	9.7663	.09706	34.672
#1	.78198	1.8738	-19.789	834.66	6283.0	.50455	9601.4	.42096
#2	.50986	1.8222	-19.638	845.93	6237.8	.57948	9617.7	.33821
#3	.53727	1.6683	-18.884	834.61	6221.0	.61229	9617.4	.65305
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-05 Acquired: 6/25/2010 17:35:59 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK9 CustID2: 1 CustID3: SS
Comment: 85

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.06108**	**-.53335**	**-1.0392**	**-.87135**	**-.54004**	**25.659**
Stddev	1.1631	.44820	1.2347	1.0183	.23926	.267
%RSD	1904.4	84.035	118.81	116.87	44.304	1.0400
#1	1.3423	-.39228	-1.3781	-.25533	-.26487	25.357
#2	-.23081	-1.0351	-2.0691	-2.0467	-.65629	25.760
#3	-.92830	-.17265	.32953	-.31197	-.69895	25.861
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-05 Acquired: 6/25/2010 17:35:59 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JK9 CustID2: 1 CustID3: SS
Comment: 85

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7482.8**	**9607.1**	**124550.**	**25833.**
Stddev	5.8	3.2	279.	156.
%RSD	.07717	.03347	.22417	.60458
#1	7487.2	9604.6	124410.	25658.
#2	7485.0	9605.9	124870.	25883.
#3	7476.3	9610.7	124370.	25958.

Sample Name: 0F25005-CCV2 Acquired: 6/25/2010 17:40:25 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**493.18**	**76328.**	**502.88**	**2572.7**	**257.01**	**79345.**	**250.35**	**2518.6**
Stddev	1.39	110.	1.66	1.5	.52	86.	.25	.8
%RSD	.28086	.14346	.32999	.05948	.20126	.10809	.09993	.03025
#1	494.77	76406.	503.23	2571.0	257.41	79399.	250.36	2518.0
#2	492.43	76376.	504.34	2573.1	257.20	79390.	250.60	2519.5
#3	492.32	76203.	501.08	2574.0	256.43	79246.	250.10	2518.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV2 Acquired: 6/25/2010 17:40:25 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**514.17**	**1230.5**	**52777.**	**25097.**	**75569.**	**771.71**	**25091.**	**2023.7**
Stddev	1.78	2.2	38.	71.	157.	1.71	23.	1.1
%RSD	.34531	.18136	.07205	.28395	.20754	.22094	.09171	.05345
#1	514.92	1232.4	52801.	25115.	75517.	773.02	25117.	2024.8
#2	515.44	1228.0	52797.	25158.	75745.	772.34	25083.	2023.7
#3	512.14	1231.0	52733.	25019.	75444.	769.78	25073.	2022.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV2 Acquired: 6/25/2010 17:40:25 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**509.84**	**3042.6**	**1812.8**	**1328.1**	**2540.8**	**3051.0**
Stddev	1.44	2.6	3.0	.8	2.9	2.5
%RSD	.28183	.08615	.16461	.06182	.11375	.08171
#1	509.50	3039.9	1815.9	1327.2	2542.0	3052.0
#2	508.61	3045.2	1812.7	1328.2	2542.9	3052.8
#3	511.42	3042.8	1809.9	1328.8	2537.5	3048.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: 0F25005-CCV2 Acquired: 6/25/2010 17:40:25 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7383.8**	**9838.3**	**125460.**	**26199.**
Stddev	13.0	12.5	405.	67.
%RSD	.17558	.12746	.32284	.25454
#1	7398.7	9852.4	125200.	26256.
#2	7377.5	9828.3	125250.	26125.
#3	7375.1	9834.3	125930.	26216.

Sample Name: 0F25005-CCB2 Acquired: 6/25/2010 17:44:29 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.15260**	**-45.938**	**.17232**	**1.5083**	**.01180**	**-53.163**	**.20637**	**2.4574**
Stddev	.20879	10.567	.28660	.1009	.01934	4.430	.02732	.4045
%RSD	136.83	23.002	166.32	6.6905	163.86	8.3333	13.239	16.460
#1	.21568	-39.338	.49745	1.5586	.02289	-50.881	.23787	2.8467
#2	.32257	-58.125	.06322	1.3921	-.01053	-58.269	.18909	2.4861
#3	-.08046	-40.351	-.04371	1.5741	.02306	-50.338	.19215	2.0393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB2 Acquired: 6/25/2010 17:44:29 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.11535**	**1.2295**	**-7.3363**	**16.282**	**-51.547**	**.59521**	**31.762**	**1.9675**
Stddev	.09943	.1092	1.4214	6.221	9.204	.08988	3.596	.4193
%RSD	86.193	8.8805	19.376	38.206	17.856	15.101	11.322	21.313
#1	.00567	1.1240	-7.1708	18.013	-47.034	.53183	28.294	2.4077
#2	.14084	1.2226	-8.8332	9.3787	-45.470	.55573	35.474	1.9218
#3	.19956	1.3421	-6.0048	21.453	-62.137	.69808	31.519	1.5728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB2 Acquired: 6/25/2010 17:44:29 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.0276**	**4.8482**	**3.1398**	**2.2000**	**2.0024**	**2.8169**
Stddev	.5859	1.1823	.4085	.1506	.0814	.7034
%RSD	57.018	24.385	13.011	6.8445	4.0649	24.971
#1	1.5972	6.1824	3.5569	2.0903	1.9323	3.5382
#2	1.0592	3.9307	2.7404	2.3717	1.9833	2.7799
#3	.42657	4.4317	3.1222	2.1380	2.0916	2.1328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-CCB2 Acquired: 6/25/2010 17:44:29 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8433.6**	**10232.**	**134730.**	**26512.**
Stddev	48.3	56.	247.	66.
%RSD	.57229	.54677	.18345	.24993
#1	8377.8	10167.	134930.	26541.
#2	8463.0	10266.	134460.	26436.
#3	8459.8	10262.	134820.	26559.

Sample Name: 0012393-06 Acquired: 6/25/2010 17:48:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL0 CustID2: 1 CustID3: SS
Comment: 86

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.58239**	**-169.14**	**.18312**	**195.25**	**-.22418**	**111840.**	**.09804**	**-.58449**
Stddev	.27193	8.92	1.0203	.11	.04695	730.	.03447	.09977
%RSD	46.692	5.2741	557.21	.05402	20.944	.65242	35.160	17.070
#1	-.27197	-176.95	.79028	195.16	-.27242	111400.	.13706	-.64945
#2	-.69669	-159.42	-.99488	195.37	-.17863	111440.	.08537	-.46961
#3	-.77851	-171.04	.75395	195.21	-.22148	112690.	.07170	-.63442
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-06 Acquired: 6/25/2010 17:48:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL0 CustID2: 1 CustID3: SS
Comment: 86

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.46200**	**40.505**	**-27.245**	**708.43**	**2749.6**	**1.3567**	**5715.8**	**-.04877**
Stddev	.13600	.007	1.090	19.86	25.3	.0244	1.0	.12778
%RSD	29.438	.01760	4.0013	2.8040	.91882	1.8013	.01699	261.99
#1	.31651	40.513	-25.987	728.34	2729.4	1.3426	5716.9	.06292
#2	.58595	40.498	-27.828	688.61	2741.5	1.3425	5715.5	-.02113
#3	.48354	40.505	-27.920	708.32	2777.9	1.3849	5715.1	-.18810
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Sample Name: 0012393-06 Acquired: 6/25/2010 17:48:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL0 CustID2: 1 CustID3: SS
Comment: 86

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4.4828**	**1.2094**	**.69881**	**-1.0160**	**-.46183**	**17.018**
Stddev	1.7648	.5212	.72997	.2759	.16632	.194
%RSD	39.369	43.099	104.46	27.155	36.013	1.1379
#1	2.7789	1.8092	1.2875	-1.2260	-.62297	17.233
#2	4.3667	.95353	-.11798	-1.1184	-.47174	16.962
#3	6.3029	.86561	.92692	-.70354	-.29078	16.858
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0012393-06 Acquired: 6/25/2010 17:48:49 Type: Unk
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: MF3JL0 CustID2: 1 CustID3: SS
Comment: 86

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7708.5**	**9783.9**	**127240.**	**25952.**
Stddev	3.0	10.4	185.	23.
%RSD	.03899	.10584	.14562	.08725
#1	7711.6	9795.2	127040.	25978.
#2	7708.5	9774.9	127280.	25939.
#3	7705.5	9781.4	127400.	25938.

Sample Name: 0F25005-CCV3 Acquired: 6/25/2010 17:53:19 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**491.22**	**75798.**	**504.45**	**2562.2**	**255.39**	**78708.**	**250.56**	**2524.9**
Stddev	1.86	97.	1.97	2.7	.35	144.	1.42	16.9
%RSD	.37940	.12857	.39057	.10613	.13719	.18240	.56806	.67062
#1	493.04	75849.	504.26	2562.5	255.23	78743.	249.90	2516.2
#2	489.32	75685.	502.58	2559.4	255.14	78550.	249.58	2514.2
#3	491.31	75858.	506.51	2564.8	255.79	78831.	252.19	2544.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV3 Acquired: 6/25/2010 17:53:19 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**513.22**	**1226.2**	**52480.**	**24956.**	**75183.**	**770.78**	**24992.**	**2029.7**
Stddev	1.05	4.5	50.	84.	141.	1.28	38.	14.8
%RSD	.20405	.37011	.09532	.33720	.18767	.16581	.15404	.72951
#1	512.25	1231.4	52481.	24966.	75336.	769.97	24984.	2022.2
#2	514.33	1223.7	52430.	24868.	75059.	772.25	24959.	2020.1
#3	513.08	1223.5	52530.	25036.	75153.	770.11	25034.	2046.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0F25005-CCV3 Acquired: 6/25/2010 17:53:19 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**511.44**	**3039.5**	**1817.1**	**1328.7**	**2533.8**	**3064.5**
Stddev	4.51	19.3	8.8	9.4	3.0	21.7
%RSD	.88155	.63331	.48512	.70630	.11924	.70781
#1	508.89	3029.4	1815.2	1322.2	2534.0	3054.8
#2	508.78	3027.4	1809.3	1324.5	2536.8	3049.3
#3	516.65	3061.7	1826.7	1339.5	2530.8	3089.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: 0F25005-CCV3 Acquired: 6/25/2010 17:53:19 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCV CustID2: 1 CustID3: SS
Comment: 29

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7352.4**	**9807.1**	**125370.**	**26377.**
Stddev	54.1	63.6	303.	58.
%RSD	.73573	.64880	.24141	.21861
#1	7387.2	9843.1	125590.	26416.
#2	7379.8	9844.5	125030.	26405.
#3	7290.1	9733.6	125490.	26311.

Sample Name: 0F25005-CCB3 Acquired: 6/25/2010 17:57:26 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.36415**	**-18.370**	**.93817**	**2.4243**	**.08965**	**-22.447**	**.19903**	**2.0288**
Stddev	.25869	20.032	.51894	.7489	.06326	23.452	.09010	.1916
%RSD	71.039	109.05	55.314	30.890	70.568	104.48	45.272	9.4437
#1	.66271	-27.128	.57001	2.0356	.05446	-35.192	.18739	2.2333
#2	.22294	-32.531	.71281	1.9498	.05181	-36.767	.29439	1.9999
#3	.20680	4.5494	1.5317	3.2877	.16269	4.6173	.11531	1.8534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB3 Acquired: 6/25/2010 17:57:26 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Na5895	Ni2316
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.63309**	**1.5675**	**10.018**	**32.222**	**-35.393**	**.95378**	**36.209**	**1.5887**
Stddev	.20222	.2933	10.856	6.495	26.375	.05358	10.013	.2145
%RSD	31.941	18.711	108.36	20.158	74.522	5.6175	27.653	13.503
#1	.85691	1.6335	5.0722	29.843	-50.434	1.0032	32.426	1.8344
#2	.57882	1.2468	2.5157	27.253	-50.806	.96135	28.639	1.4386
#3	.46355	1.8222	22.466	39.572	-4.9379	.89682	47.562	1.4931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0F25005-CCB3 Acquired: 6/25/2010 17:57:26 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062
Line	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(In2306)	(Y_2243)	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.0879**	**3.5074**	**1.8847**	**1.2341**	**2.8719**	**2.4174**
Stddev	1.1166	.5983	.9834	.5252	.3853	.3166
%RSD	102.64	17.058	52.178	42.555	13.416	13.096
#1	-.04776	3.9067	1.6169	.65508	3.1646	2.7773
#2	2.1845	2.8195	2.9743	1.3676	3.0158	2.2932
#3	1.1271	3.7959	1.0630	1.6797	2.4354	2.1818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 0F25005-CCB3 Acquired: 6/25/2010 17:57:26 Type: QC
Method: 0F25005 Mode: CONC Corr. Factor: 1.000000
User: admin CustID1: CCB CustID2: 1 CustID3: SS
Comment: 3

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8471.6**	**10293.**	**134250.**	**26806.**
Stddev	18.9	15.	1739.	52.
%RSD	.22309	.14949	1.2953	.19303
#1	8492.5	10310.	135160.	26865.
#2	8466.6	10290.	135340.	26787.
#3	8455.7	10280.	132240.	26767.

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	AFIMS100	***Sequence:***	0F29008
		Logbook RCN #:	838-0410
		Logbook Page No(s).:	14
Start Date:	06/29/2010 14:52	***Analyst/Date:***	SM 06/29/2010
End Date:	06/29/2010 15:52	***Reviewer/Date:***	SS / 6-9-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F29008-00	06/29/2010 14:52	AFIMS100	0F29008-CAL1	S0	1	
0F29008-00	06/29/2010 14:54	AFIMS100	0F29008-CAL2	S0.2	1	
0F29008-00	06/29/2010 14:55	AFIMS100	0F29008-CAL3	S0.5	1	
0F29008-00	06/29/2010 14:57	AFIMS100	0F29008-CAL4	S1.0	1	
0F29008-00	06/29/2010 14:58	AFIMS100	0F29008-CAL5	S2.0	1	
0F29008-00	06/29/2010 14:59	AFIMS100	0F29008-CAL6	S5.0	1	
0F29008-00	06/29/2010 15:01	AFIMS100	0F29008-CAL7	S10.0	1	
0F29008-00	06/29/2010 15:02	AFIMS100	0F29008-ICV1	ICV	1	
0F29008-00	06/29/2010 15:04	AFIMS100	0F29008-ICB1	ICB	1	
0F29008-01	06/29/2010 15:05	AFIMS100	0F29008-CCV1	CCV	1	
0F29008-01	06/29/2010 15:07	AFIMS100	0F29008-CCB1	CCB	1	
0F29008-01	06/29/2010 15:08	AFIMS100	0060342-BLK1	PBW	1	
0F29008-01	06/29/2010 15:09	AFIMS100	0012361-01	MF3JJ4	1	
0F29008-01	06/29/2010 15:11	AFIMS100	0012361-02	MF3JJ5	1	
0F29008-01	06/29/2010 15:12	AFIMS100	0060342-DUP1	MF3JJ5D	1	
0F29008-01	06/29/2010 15:14	AFIMS100	0060342-MS1	MF3JJ5S	1	
0F29008-01	06/29/2010 15:15	AFIMS100	0012361-03	MF3JJ6	1	
0F29008-01	06/29/2010 15:16	AFIMS100	0012361-04	MF3JJ7	1	
0F29008-01	06/29/2010 15:18	AFIMS100	0012361-05	MF3JJ8	1	
0F29008-02	06/29/2010 15:19	AFIMS100	0012361-06	MF3JK2	1	
0F29008-02	06/29/2010 15:21	AFIMS100	0012361-07	MF3JL1	1	
0F29008-02	06/29/2010 15:22	AFIMS100	0F29008-CCV2	CCV	1	
0F29008-02	06/29/2010 15:23	AFIMS100	0F29008-CCB2	CCB	1	
0F29008-02	06/29/2010 15:25	AFIMS100	0012383-01	MF3JJ2	1	
0F29008-02	06/29/2010 15:26	AFIMS100	0012383-02	MF3JJ3	1	
0F29008-02	06/29/2010 15:28	AFIMS100	0012383-03	MF3JJ9	1	
0F29008-02	06/29/2010 15:29	AFIMS100	0012383-04	MF3JK0	1	
0F29008-02	06/29/2010 15:30	AFIMS100	0012383-05	MF3JK3	1	
0F29008-02	06/29/2010 15:32	AFIMS100	0012383-06	MF3JK4	1	
0F29008-03	06/29/2010 15:33	AFIMS100	0012383-07	MF3JK5	1	
0F29008-03	06/29/2010 15:35	AFIMS100	0012393-01	MF3JK1	1	
0F29008-03	06/29/2010 15:36	AFIMS100	0012393-02	MF3JK6	1	
0F29008-03	06/29/2010 15:37	AFIMS100	0012393-03	MF3JK7	1	
0F29008-03	06/29/2010 15:39	AFIMS100	0F29008-CCV3	CCV	1	

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	AFIMS100	***Sequence:***	0F29008
		Logbook RCN #:	838-0410
		Logbook Page No(s).:	14
Start Date:	06/29/2010 14:52	***Analyst/Date:***	SMA 06/29/2010
End Date:	06/29/2010 15:52	***Reviewer/Date:***	SJ / 6-29-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F29008-03	06/29/2010 15:40	AFIMS100	0F29008-CCB3	CCB	1	
0F29008-03	06/29/2010 15:42	AFIMS100	0012393-04	MF3JK8	1	
0F29008-03	06/29/2010 15:43	AFIMS100	0012393-05	MF3JK9	1	
0F29008-03	06/29/2010 15:45	AFIMS100	0012393-06	MF3JL0	1	
0F29008-03	06/29/2010 15:46	AFIMS100	0F29008-IBL1	ZZZZZZ	1	
0F29008-04	06/29/2010 15:47	AFIMS100	0F29008-IBL2	ZZZZZZ	1	
0F29008-04	06/29/2010 15:49	AFIMS100	0F29008-IBL3	ZZZZZZ	1	
0F29008-04	06/29/2010 15:50	AFIMS100	0F29008-CCV4	CCV	1	
0F29008-04	06/29/2010 15:52	AFIMS100	0F29008-CCB4	CCB	1	

Sample Information File C:\AAUSER\SAMPINFO\0F29008.SIF

Description : MERCURY
Batch ID : 0F29008
Volume Units :
Weight Units :
Analyst : SM
Sample Volume : 50.00

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
17	0060342-BLK1 @ PBW				
18	0012361-01 @ MF3JJ4				
19	0012361-02 @ MF3JJ5				
20	~~0012361-02D @ MF3JJ5D~~ 0060342-DUP1 @ MF3JJ5D				
21	~~0012361-02S @ MF3JJ5S~~ 0060342-MS1 @ MF3JJ5S				
22	0012361-03 @ MF3JJ6				
23	0012361-04 @ MF3JJ7				
24	0012361-05 @ MF3JJ8				
25	0012361-06 @ MF3JK2				
26	0012361-07 @ MF3JL1				
27	0012383-01 @ MF3JJ2				
28	0012383-02 @ MF3JJ3				
29	0012383-03 @ MF3JJ9				
30	0012383-04 @ MF3JK0				
31	0012383-05 @ MF3JK3				
32	0012383-06 @ MF3JK4				
33	0012383-07 @ MF3JK5				
34	0012393-01 @ MF3JK1				
35	0012393-02 @ MF3JK6				
36	0012393-03 @ MF3JK7				
37	0012393-04 @ MF3JK8				
38	0012393-05 @ MF3JK9				
39	0012393-06 @ MF3JL0				
40	0F29008-IBL1 @ ZZZZZZ				
41	0F29008-IBL2 @ ZZZZZZ				
42	0F29008-IBL3 @ ZZZZZZ				

SM 06/29/2010

000000148

==========
Method Name: MERCURY-ISM01.1
Method Description: MERCURY ANALYSIS-ISM01.2
Element: Hg

Date: 06/29/2010
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 0F29008.SIF Results Data Set Name: 0F29008

==========
Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 06/29/2010
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0000	-0.0011	0.0000	14:52:22	No
2			0.0000	-0.0005	0.0000	14:52:51	No
Mean:			0.0000				
SD :			0.0000				
%RSD:			147.3168				

Auto-zero performed.

==========
Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 06/29/2010
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0012	0.0052	0.0012	14:53:46	No
2			0.0011	0.0044	0.0012	14:54:15	No
Mean:			0.0012				
SD :			0.0000				
%RSD:			4.0788				

[Hg] Standard number 1 applied. [0.20000]
Correlation Coefficient: 1.00000 Slope: 0.00589
Intercept : 0.00000

==========
Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 06/29/2010
Sample ID: S0.5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0030	0.0118	0.0030	14:55:10	No
2			0.0030	0.0120	0.0030	14:55:39	No
Mean:			0.0030				
SD :			0.0000				
%RSD:			0.4681				

[Hg] Standard number 2 applied. [0.50000]
Correlation Coefficient: 0.99994 Slope: 0.00604
Intercept : -0.00001

==========
Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 06/29/2010
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0060	0.0228	0.0060	14:56:35	No
2			0.0058	0.0228	0.0058	14:57:04	No
Mean:			0.0059				
SD :			0.0001				
%RSD:			2.0696				

[Hg] Standard number 3 applied. [1.0000]

000000149

Correlation Coefficient: 0.99991 Slope: 0.00591
Intercept : 0.00001

==========
Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 06/29/2010
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0118	0.0456	0.0118	14:58:00	No
2			0.0119	0.0449	0.0119	14:58:29	No
Mean:			0.0119				
SD :			0.0001				
%RSD:			0.7065				

[Hg] Standard number 4 applied. [2.0000]
Correlation Coefficient: 0.99998 Slope: 0.00593
Intercept : 0.00001

==========
Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 06/29/2010
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0301	0.1150	0.0302	14:59:25	No
2			0.0299	0.1146	0.0299	14:59:54	No
Mean:			0.0300				
SD :			0.0002				
%RSD:			0.6562				

[Hg] Standard number 5 applied. [5.0000]
Correlation Coefficient: 0.99998 Slope: 0.00600
Intercept : -0.00004

==========
Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 06/29/2010
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0602	0.2304	0.0602	15:00:49	No
2			0.0593	0.2305	0.0593	15:01:18	No
Mean:			0.0597				
SD :			0.0006				
%RSD:			1.0597				

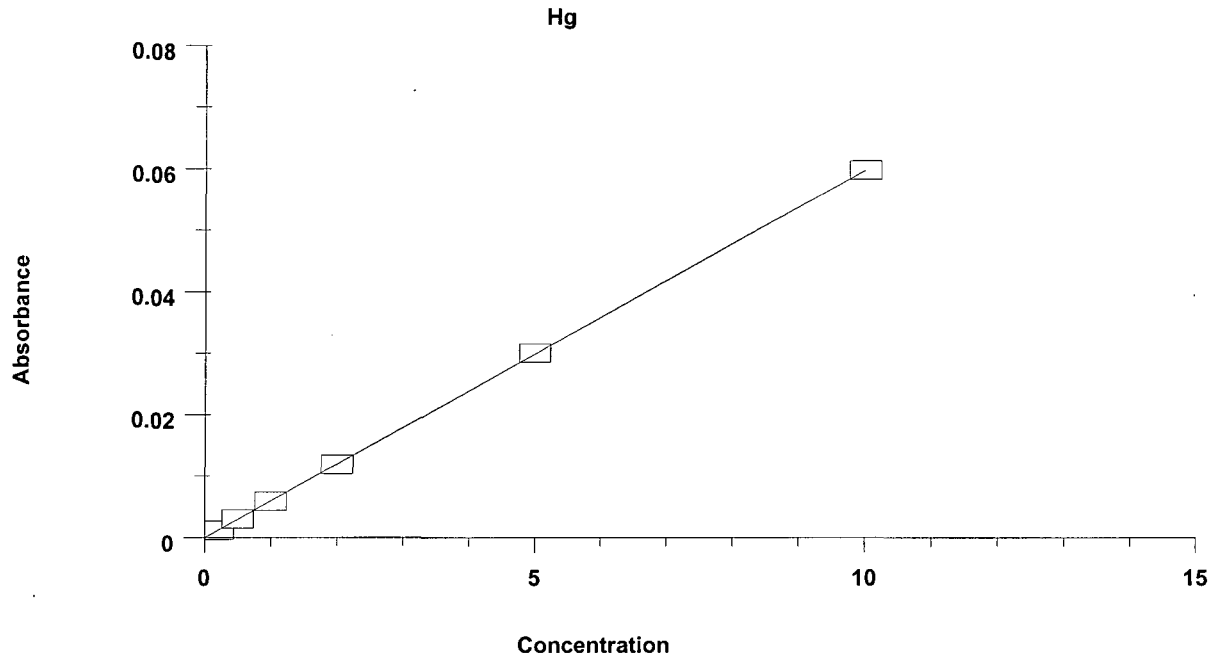
[Hg] Standard number 6 applied. [10.000]
Correlation Coefficient: 0.99999 Slope: 0.00598
Intercept : -0.00002

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0000	-----	----	----	----
S0.2	0.0012	0.20000	0.19965	0.000048	4.1
S0.5	0.0030	0.50000	0.50724	0.000014	0.5
S1.0	0.0059	1.00000	0.98911	0.000122	2.1
S2.0	0.0119	2.00000	1.9873	0.000084	0.7
S5.0	0.0300	5.00000	5.0215	0.000197	0.7
S10.0	0.0597	10.00000	9.9924	0.000633	1.1

Correlation Coefficient: 0.99999 Slope: 0.00598 Intercept: 0.0000

000000150



==========

Element: Hg Seq. No.: 8 AS Loc.: 8 Date: 06/29/2010
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.1606	4.1606	0.0249	0.0944	0.0249	15:02:18	No
2	4.1468	4.1468	0.0248	0.0936	0.0248	15:02:47	No
Mean:	4.1537	4.1537	0.0248				
SD :	0.009794	0.009794	0.0001				
%RSD:	0.2	0.2	0.2360				

QC value within specified limits.

==========

Element: Hg Seq. No.: 9 AS Loc.: 1 Date: 06/29/2010
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00835	0.00835	0.0000	0.0002	0.0000	15:03:45	No
2	0.00569	0.00569	0.0000	0.0001	0.0000	15:04:14	No
Mean:	0.00702	0.00702	0.0000				
SD :	0.001879	0.001879	0.0000				
%RSD:	26.8	26.8	42.7192				

QC value within specified limits.

==========

Element: Hg Seq. No.: 10 AS Loc.: 6 Date: 06/29/2010
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.0584	5.0584	0.0302	0.1151	0.0302	15:05:11	No
2	5.0689	5.0689	0.0303	0.1148	0.0303	15:05:41	No
Mean:	5.0636	5.0636	0.0303				
SD :	0.007484	0.007484	0.0000				
%RSD:	0.1	0.1	0.1479				

QC value within specified limits.

000000151

Element: Hg Seq. No.: 11 AS Loc.: 1 Date: 06/29/2010
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00550	0.00550	0.0000	-0.0002	0.0000	15:06:38	No
2	0.00416	0.00416	0.0000	-0.0001	0.0000	15:07:07	No
Mean:	0.00483	0.00483	0.0000				
SD :	0.000949	0.000949	0.0000				
%RSD:	19.6	19.6	42.9692				

QC value within specified limits.

Element: Hg Seq. No.: 12 AS Loc.: 17 Date: 06/29/2010
Sample ID: 0060342-BLK1 @ PBW

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00109	0.00109	0.0000	-0.0005	0.0000	15:08:02	No
2	0.00413	0.00413	0.0000	-0.0004	0.0000	15:08:32	No
Mean:	0.00261	0.00261	0.0000				
SD :	0.002145	0.002145	0.0000				
%RSD:	82.2	82.2	13223.4981				

Element: Hg Seq. No.: 13 AS Loc.: 18 Date: 06/29/2010
Sample ID: 0012361-01 @ MF3JJ4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05953	0.05953	0.0003	0.0013	0.0004	15:09:27	No
2	0.05530	0.05530	0.0003	0.0010	0.0003	15:09:56	No
Mean:	0.05742	0.05742	0.0003				
SD :	0.002988	0.002988	0.0000				
%RSD:	5.2	5.2	5.4536				

Element: Hg Seq. No.: 14 AS Loc.: 19 Date: 06/29/2010
Sample ID: 0012361-02 @ MF3JJ5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04675	0.04675	0.0003	0.0004	0.0003	15:10:51	No
2	0.05219	0.05219	0.0003	0.0006	0.0003	15:11:20	No
Mean:	0.04947	0.04947	0.0003				
SD :	0.003848	0.003848	0.0000				
%RSD:	7.8	7.8	8.2136				

Element: Hg Seq. No.: 15 AS Loc.: 20 Date: 06/29/2010
Sample ID: ~~0012361-02D~~ @ MF3JJ5D
0060342-DUP1 SMA 06/29/2010

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06212	0.06212	0.0004	0.0011	0.0004	15:12:14	No
2	0.06215	0.06215	0.0004	0.0011	0.0004	15:12:43	No
Mean:	0.06213	0.06213	0.0004				
SD :	0.000020	0.000020	0.0000				
%RSD:							

Element: Hg Seq. No.: 16 AS Loc.: 21 Date: 06/29/2010
Sample ID: ~~0012361-02S~~ @ MF3JJ5S
0060342-MS1 SMA 06/29/2010

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.0178	1.0178	0.0061	0.0225	0.0061	15:13:38	No
2	1.0211	1.0211	0.0061	0.0225	0.0061	15:14:07	No

000000152

Mean:	1.0194	1.0194	0.0061
SD :	0.002330	0.002330	0.0000
%RSD:	0.2	0.2	0.2292

==========

Element: Hg Seq. No.: 17 AS Loc.: 22 Date: 06/29/2010
Sample ID: 0012361-03 @ MF3JJ6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06148	0.06148	0.0004	0.0014	0.0004	15:15:02	No
2	0.05804	0.05804	0.0003	0.0011	0.0003	15:15:31	No
Mean:	0.05976	0.05976	0.0003				
SD :	0.002435	0.002435	0.0000				
%RSD:	4.1	4.1	4.2620				

==========

Element: Hg Seq. No.: 18 AS Loc.: 23 Date: 06/29/2010
Sample ID: 0012361-04 @ MF3JJ7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05379	0.05379	0.0003	0.0011	0.0003	15:16:25	No
2	0.05830	0.05830	0.0003	0.0010	0.0003	15:16:54	No
Mean:	0.05605	0.05605	0.0003				
SD :	0.003188	0.003188	0.0000				
%RSD:	5.7	5.7	5.9675				

==========

Element: Hg Seq. No.: 19 AS Loc.: 24 Date: 06/29/2010
Sample ID: 0012361-05 @ MF3JJ8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05648	0.05648	0.0003	0.0004	0.0003	15:17:49	No
2	0.07006	0.07006	0.0004	0.0011	0.0004	15:18:18	No
Mean:	0.06327	0.06327	0.0004				
SD :	0.009602	0.009602	0.0001				
%RSD:	15.2	15.2	15.8321				

==========

Element: Hg Seq. No.: 20 AS Loc.: 25 Date: 06/29/2010
Sample ID: 0012361-06 @ MF3JK2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.07134	0.07134	0.0004	0.0010	0.0004	15:19:13	No
2	0.06057	0.06057	0.0003	0.0008	0.0004	15:19:42	No
Mean:	0.06595	0.06595	0.0004				
SD :	0.007611	0.007611	0.0000				
%RSD:	11.5	11.5	12.0178				

==========

Element: Hg Seq. No.: 21 AS Loc.: 26 Date: 06/29/2010
Sample ID: 0012361-07 @ MF3JL1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05602	0.05602	0.0003	0.0009	0.0003	15:20:37	No
2	0.05816	0.05816	0.0003	0.0009	0.0003	15:21:06	No
Mean:	0.05709	0.05709	0.0003				
SD :	0.001512	0.001512	0.0000				
%RSD:	2.6	2.6	2.7756				

==========

Element: Hg Seq. No.: 22 AS Loc.: 6 Date: 06/29/2010
Sample ID: CCV

000000153

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.0858	5.0858	0.0304	0.1147	0.0304	15:22:01	No
2	5.0710	5.0710	0.0303	0.1145	0.0303	15:22:30	No
Mean:	5.0784	5.0784	0.0303				
SD :	0.010462	0.010462	0.0001				
%RSD:	0.2	0.2	0.2061				

QC value within specified limits.

Element: Hg Seq. No.: 23 AS Loc.: 1 Date: 06/29/2010
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00271	0.00271	0.0000	-0.0003	0.0000	15:23:27	No
2	0.00587	0.00587	0.0000	-0.0004	0.0000	15:23:56	No
Mean:	0.00429	0.00429	0.0000				
SD :	0.002238	0.002238	0.0000				
%RSD:	52.2	52.2	134.5583				

QC value within specified limits.

Element: Hg Seq. No.: 24 AS Loc.: 27 Date: 06/29/2010
Sample ID: 0012383-01 @ MF3JJ2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06257	0.06257	0.0004	0.0012	0.0004	15:24:53	No
2	0.05921	0.05921	0.0003	0.0010	0.0003	15:25:23	No
Mean:	0.06089	0.06089	0.0003				
SD :	0.002379	0.002379	0.0000				
%RSD:	3.9	3.9	4.0827				

Element: Hg Seq. No.: 25 AS Loc.: 28 Date: 06/29/2010
Sample ID: 0012383-02 @ MF3JJ3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06702	0.06702	0.0004	0.0013	0.0004	15:26:18	No
2	0.06742	0.06742	0.0004	0.0013	0.0004	15:26:47	No
Mean:	0.06722	0.06722	0.0004				
SD :	0.000281	0.000281	0.0000				
%RSD:	0.4	0.4	0.4346				

Element: Hg Seq. No.: 26 AS Loc.: 29 Date: 06/29/2010
Sample ID: 0012383-03 @ MF3JJ9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04994	0.04994	0.0003	0.0008	0.0003	15:27:42	No
2	0.05847	0.05847	0.0003	0.0013	0.0003	15:28:11	No
Mean:	0.05420	0.05420	0.0003				
SD :	0.006028	0.006028	0.0000				
%RSD:	11.1	11.1	11.6867				

Element: Hg Seq. No.: 27 AS Loc.: 30 Date: 06/29/2010
Sample ID: 0012383-04 @ MF3JK0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05844	0.05844	0.0003	0.0012	0.0003	15:29:05	No
2	0.05700	0.05700	0.0003	0.0012	0.0003	15:29:34	No

000000154

Mean:	0.05772	0.05772	0.0003
SD :	0.001015	0.001015	0.0000
%RSD:	1.8	1.8	1.8424

==========

Element: Hg Seq. No.: 28 AS Loc.: 31 Date: 06/29/2010
Sample ID: 0012383-05 @ MF3JK3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.07063	0.07063	0.0004	0.0010	0.0004	15:30:29	No
2	0.06330	0.06330	0.0004	0.0013	0.0004	15:30:58	No
Mean:	0.06696	0.06696	0.0004				
SD :	0.005181	0.005181	0.0000				
%RSD:	7.7	7.7	8.0533				

==========

Element: Hg Seq. No.: 29 AS Loc.: 32 Date: 06/29/2010
Sample ID: 0012383-06 @ MF3JK4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05666	0.05666	0.0003	0.0012	0.0003	15:31:56	No
2	0.05701	0.05701	0.0003	0.0013	0.0003	15:32:25	No
Mean:	0.05684	0.05684	0.0003				
SD :	0.000250	0.000250	0.0000				
%RSD:	0.4	0.4	0.4617				

==========

Element: Hg Seq. No.: 30 AS Loc.: 33 Date: 06/29/2010
Sample ID: 0012383-07 @ MF3JK5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02608	0.02608	0.0001	0.0004	0.0002	15:33:19	No
2	0.03077	0.03077	0.0002	0.0005	0.0002	15:33:48	No
Mean:	0.02842	0.02842	0.0002				
SD :	0.003323	0.003323	0.0000				
%RSD:	11.7	11.7	12.8799				

==========

Element: Hg Seq. No.: 31 AS Loc.: 34 Date: 06/29/2010
Sample ID: 0012393-01 @ MF3JK1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05273	0.05273	0.0003	0.0009	0.0003	15:34:42	No
2	0.06458	0.06458	0.0004	0.0012	0.0004	15:35:11	No
Mean:	0.05865	0.05865	0.0003				
SD :	0.008377	0.008377	0.0001				
%RSD:	14.3	14.3	14.9524				

==========

Element: Hg Seq. No.: 32 AS Loc.: 35 Date: 06/29/2010
Sample ID: 0012393-02 @ MF3JK6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06680	0.06680	0.0004	0.0014	0.0004	15:36:06	No
2	0.06513	0.06513	0.0004	0.0011	0.0004	15:36:35	No
Mean:	0.06596	0.06596	0.0004				
SD :	0.001181	0.001181	0.0000				
%RSD:	1.8	1.8	1.8651				

==========

Element: Hg Seq. No.: 33 AS Loc.: 36 Date: 06/29/2010
Sample ID: 0012393-03 @ MF3JK7

000000155

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05193	0.05193	0.0003	0.0009	0.0003	15:37:30	No
2	0.05355	0.05355	0.0003	0.0010	0.0003	15:37:59	No
Mean:	0.05274	0.05274	0.0003				
SD :	0.001146	0.001146	0.0000				
%RSD:	2.2	2.2	2.2874				

Element: Hg Seq. No.: 34 AS Loc.: 6 Date: 06/29/2010
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.1677	5.1677	0.0309	0.1150	0.0309	15:38:56	No
2	5.1157	5.1157	0.0306	0.1149	0.0306	15:39:25	No
Mean:	5.1417	5.1417	0.0307				
SD :	0.036754	0.036754	0.0002				
%RSD:	0.7	0.7	0.7152				

QC value within specified limits.

Element: Hg Seq. No.: 35 AS Loc.: 1 Date: 06/29/2010
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00342	0.00342	0.0000	-0.0003	0.0000	15:40:22	No
2	0.00461	0.00461	0.0000	-0.0003	0.0000	15:40:51	No
Mean:	0.00402	0.00402	0.0000				
SD :	0.000837	0.000837	0.0000				
%RSD:	20.8	20.8	60.1501				

QC value within specified limits.

Element: Hg Seq. No.: 36 AS Loc.: 37 Date: 06/29/2010
Sample ID: 0012393-04 @ MF3JK8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06465	0.06465	0.0004	0.0013	0.0004	15:41:47	No
2	0.05942	0.05942	0.0003	0.0008	0.0004	15:42:17	No
Mean:	0.06204	0.06204	0.0004				
SD :	0.003698	0.003698	0.0000				
%RSD:	6.0	6.0	6.2235				

Element: Hg Seq. No.: 37 AS Loc.: 38 Date: 06/29/2010
Sample ID: 0012393-05 @ MF3JK9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05561	0.05561	0.0003	0.0010	0.0003	15:43:12	No
2	0.05708	0.05708	0.0003	0.0011	0.0003	15:43:41	No
Mean:	0.05635	0.05635	0.0003				
SD :	0.001038	0.001038	0.0000				
%RSD:	1.8	1.8	1.9327				

Element: Hg Seq. No.: 38 AS Loc.: 39 Date: 06/29/2010
Sample ID: 0012393-06 @ MF3JL0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05754	0.05754	0.0003	0.0010	0.0003	15:44:36	No
2	0.05711	0.05711	0.0003	0.0010	0.0003	15:45:05	No

000000156

Mean:	0.05732	0.05732	0.0003
SD :	0.000303	0.000303	0.0000
%RSD:	0.5	0.5	0.5545

==========

Element: Hg Seq. No.: 39 AS Loc.: 40 Date: 06/29/2010
Sample ID: 0F29008-IBL1 @ ZZZZZZ

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.1386	4.1386	0.0247	0.0933	0.0247	15:46:00	No
2	4.0693	4.0693	0.0243	0.0929	0.0243	15:46:29	No
Mean:	4.1039	4.1039	0.0245				
SD :	0.049044	0.049044	0.0003				
%RSD:	1.2	1.2	1.1958				

==========

Element: Hg Seq. No.: 40 AS Loc.: 41 Date: 06/29/2010
Sample ID: 0F29008-IBL2 @ ZZZZZZ

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00318	0.00318	0.0000	-0.0004	0.0000	15:47:24	No
2	0.00667	0.00667	0.0000	-0.0001	0.0000	15:47:54	No
Mean:	0.00493	0.00493	0.0000				
SD :	0.002468	0.002468	0.0000				
%RSD:	50.1	50.1	107.1004				

==========

Element: Hg Seq. No.: 41 AS Loc.: 42 Date: 06/29/2010
Sample ID: 0F29008-IBL3 @ ZZZZZZ

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00285	0.00285	0.0000	-0.0003	0.0000	15:48:49	No
2	0.00406	0.00406	0.0000	-0.0001	0.0000	15:49:18	No
Mean:	0.00345	0.00345	0.0000				
SD :	0.000855	0.000855	0.0000				
%RSD:	24.8	24.8	103.0958				

==========

Element: Hg Seq. No.: 42 AS Loc.: 6 Date: 06/29/2010
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.1476	5.1476	0.0308	0.1147	0.0308	15:50:13	No
2	5.0920	5.0920	0.0304	0.1153	0.0304	15:50:42	No
Mean:	5.1198	5.1198	0.0306				
SD :	0.039312	0.039312	0.0002				
%RSD:	0.8	0.8	0.7682				

QC value within specified limits.

==========

Element: Hg Seq. No.: 43 AS Loc.: 1 Date: 06/29/2010
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00486	0.00486	0.0000	-0.0002	0.0000	15:51:39	No
2	0.00718	0.00718	0.0000	-0.0001	0.0000	15:52:08	No
Mean:	0.00602	0.00602	0.0000				
SD :	0.001637	0.001637	0.0000				
%RSD:	27.2	27.2	48.2339				

QC value within specified limits.

000000157

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

ICP-AES Sample Digestion Logbook

Effective	Area	Type	Number-Version	RCN
13-Aug-2008	Metals	FORM	2FORM05-B	849-0425

Method: IPM 01.2
Prep Start Date &Time: 6-25-10 11:30
Prep End Date &Time: 6-25-10 15:30
HCl ID (conc. / (:)): 517-203-10

SOP: 25 ep 13-A
LCS ID: see comments
MS ID: see comments
HNO3 ID (conc. / 1 :1) : 517-202-10

Circle One: (Total) / Dissolved
Prep Code: ~~EPA~~ 200.7
Temperature of Hot Block: 95 °C
H_2O_2 ID : none

Sample Matrix: water
Prep Batch ID: 0060300
Thermometer ID: spev-2
Others : —

Lab Sample ID	Client Sample ID	Sample Aliquot G / mL	pH	Final Volume (mL)	Dil.	HCl Added (ml) (conc. / (1:1))	HNO3 Added (ml) (conc. / (1:1))	LCS Added (µl)	MS Added (µl)	H_2O_2 Added (ml)	Color Ini./Fin	Clarity Ini./Fin	Texture Ini./Fin	Comments
0060300-Blk	PBW	50	—	50	1.0	0.5	1.0	NA	NA	NA	11/11	A/A	NA	
↓ -BS1	LCSW	↓	—	↓	↓	↓	↓	see comm	↓	↓	↓	↓	↓	← 852-51-10
0012361-02	MF3JJ5	↓	<2	↓	↓	↓	↓	NA	↓	↓	↓	↓	↓	
0012361-01	MF3JJ4	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
0060300-Dup1	MF3JJ5D	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0.5ml Cd-Mn-Spk A000105
↓ -MS1	MF3JJ5S	↓	<2	↓	↓	↓	↓	↓	see comm	↓	↓	↓	↓	← 0.5ml 100ppm Fe (800-206-5)
0012361-03	MF3JJ6	↓	<2	↓	↓	↓	↓	↓	NA	↓	↓	↓	↓	0.2ml 10ppm Se (800-141-9)
↓ -04	MF3JJ7	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
-05	MF3JJ8	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
-06	MF3JK2	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
↓ -07	MF3JL1	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
0012383-01	MF3JJ2	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
↓ -02	MF3JJ3	↓	<2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Spiked by: SJ
Received for analysis by/Date: SJ / 6-25-10
Spike verified By: [signature]
Digested By: SJ
Reviewed by/Date : [signature] 06-30-10

COLOR : Red =1; Blue = 2; Yellow = 3; Green = 4; Orange = 5; Violet = 6 ; White = 7; Brown = 8; Grey = 9; Black = 10; Colorless= 11.
CLARITY : Clear = A; Cloudy = B; Opaque = C TEXTURE: Fine = F; Medium = M; Coarse =R
ARTIFACTS : If Artifacts are present, enter "Artifacts" and describe in the Comments column.

00000158

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

ICP-AES Sample Digestion Logbook

Effective	Area	Type	Number-Version	RCN
13-Aug-2008	Metals	FORM	2FORM05-B	849-0425

Method: ISM01.2
Prep Start Date &Time: 6-25-10 11:30
Prep End Date &Time: 6-25-10 15:30
HCl ID (conc. / (1:1)): 817-203-10

SOP: 25ug63/d
LCS ID: —
MS ID: —
HNO_3 ID (conc. / (1:1)) 817-202-10

Circle One: (Total) / Dissolved
Prep Code: ~~HWT~~ 200.7
Temperature of Hot Block: 95 °C
H_2O_2 ID : none

Sample Matrix: water
Prep Batch ID: 0605300
Thermometer ID: open-L
Others : —

Lab Sample ID	Client Sample ID	Sample Aliquot G / (mL)	pH	Final Volume (mL)	Dil.	HCl Added (ml) (conc. / (1:1))	HNO3 Added (ml) (conc. / (1:1))	LCS Added (µl)	MS Added (µl)	H_2O_2 Added (ml)	Color Ini./Fin	Clarity Ini./Fin	Texture Ini./Fin	Comments
0012383-03	MT-3JJ9	50	<2	50	1.0	0.5	1.0	N/A	N/A	N/A	11/11	A/A	N/A	
-04	MT-3JK0		<2											
-05	MT-3JK3		<2											
-06	MT-3JK4		<2											
-07	MT-3JK5		<2											
0012393-01	MT-3JK1		<2											
-02	MT-3JK6		<2											
-03	MT-3JK7		<2											
-04	MT-3JK8		<2											
-05	MT-3JK9		<2											
-06	MT-3JL0		<2											

Spiked by: [illegible]
Received for analysis by/Date: [illegible] / 6-25-10
Spike verified By: [illegible]
Digested By: [illegible]
Reviewed by/Date : [illegible] 06-30-10

COLOR : Red =1; Blue = 2; Yellow = 3; Green = 4; Orange = 5; Violet = 6 ; White = 7; Brown = 8; Grey = 9; Black = 10; Colorless= 11.
CLARITY : Clear = A; Cloudy = B; Opaque = C **TEXTURE:** Fine = F; Medium = M; Coarse =R
ARTIFACTS : If Artifacts are present, enter "Artifacts" and describe in the Comments column.

00000159

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Mercury Preparation Logbook Prep Code: 7470A			
Effective	Area	Type	Number-Version	RCN
16-Dec.-2009	Wet Chem	FORM	2FORM06-B	816-1216

CIRCLE APPROPRIATE: (Total) Dissolved DATE/TIME: 06/29/2010 10:30 MATRIX: WATER

METHOD: ILM05-4 SOP ID: 2SOP17-A BATCH ID: 0060342 ANALYST: [illegible]

ICV ID: A0D 3016 LCS ID: — MS ID: 852-19-10 WORKING STD ID: 852-19-10

HNO_3 ID: A0D3026 H_2SO_4 ID: A0D3024 P. PERMANGANTE ID: 852-32-10 PREP CODE: 7470A

P. PERSULFATE ID: 852-38-10 NaCl-H_3NO.HCL: 852-34-10 BLOCK TEMP°C 95 THERM ID: Spec-2

LAB SAMPLE ID	CLIENT SAMPLE ID	pH	SAMPLE ALIQUOT (gm) (ml)	FINAL VOLUME (mL)	DIL. FACTOR	COMMENTS
OF29008-CAL1	ICB/SO/ICB	—	50	50	1.0	NA
-CAL2	S0.2	—				10 ul of 852-19-10
-CAL3	S0.5	—				25ul
-CAL4	S1.0	—				50ul
-CAL5	S2.0	—				100ul
-CAL6	S5.0/ICV	—				250ul
-CAL7	S10.0	—				500ul
-ICV1	ICV	—				500ul of A0D 3016
0060342-BLK1	PBW	—				NA
0012361-01	MF3J34	<2				
-02	J5	<2				
0060342-DUP1	J5D	<2				
-MS1	J5S	<2				50ul of 852-19-10
0012361-03	J6	<2				NA
-04	J7	<2				
-05	J8	<2				
-06	K2	<2				
-07	L1	<2				
0012383-01	MF3JJ2	<2				
-02	J3	<2				
-03	J9	<2				
-04	K0	<2				
-05	K3	<2				
-06	K4	<2				

Notes:

Analyst/Date: [illegible] 06/29/10 Reviewer/Date: [illegible] 6-29-10

Received for Analysis By/Date: [illegible] 06/29/10

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

Mercury Preparation Logbook

Effective	Area	Type	Number-Version	RCN
16-Dec.-2009	Wet Chem	FORM	2FORM06-B	816-1216

CIRCLE APPROPRIATE: (Total) Dissolved DATE/TIME: 06/29/2010 10:30 MATRIX: WATER
METHOD: ILM05.4 SOP ID: 2SOP17-A BATCH ID: 0060342 ANALYST: SM
ICV ID: A003016 LCS ID: — MS ID: 852-14-10 WORKING STD ID: 852-14-10
HNO_3 ID: A003026 H_2SO_4 ID: A003024 P. PERMANGANTE ID: 852-32-10 PREP CODE: —
P. PERSULFATE ID: 852-33-10 NaCl-H_3NO.HCL: 852-34-10 BLOCK TEMP°C 95 THERM ID: SPOT-2

LAB SAMPLE ID	CLIENT SAMPLE ID	pH	SAMPLE ALIQUOT (gm) (ml)	FINAL VOLUME (mL)	DIL. FACTOR	COMMENTS
0012383-07	MF3JK5	<2	50	50	1.0	NA
0012393-01	K1	<2				
-02	K6	<2				
-03	K7	<2				
-04	K8	<2				
-05	K9	<2				
-06	L0	<2				

SM 06/29/2010

Notes:

Analyst/Date: SM 06/29/2010 Reviewer/Date: 6/29/10

Received for Analysis By/Date: SM 06/29/2010

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	**Instrument Run Log-ICPAES** Instrument ID: **B-ICAP6500**			
Effective	Area	Type	Number-Version	RCN
03-Feb-2010	**MET**	**FORM**	**2FORM03-B**	**832-0203**

BATCHES(S): 0060300 SEQUENCE: 0T-25005 CALIBRATION: 852-48-10
START DATE: 06-25-10 START TIME: 14:53 END DATE: 6-25-10 END TIME: 17:57
ANALYTICAL METHOD: ISM01.2 SOP: 25-p14/B 2% HNO3 ID: 817-204-10
CAL STD ID 852-48-10 ICV ID: 852-41-10
ICB/CCB ID: 817-204-10 CRI ID: — CCVID: 852-49-10
ICSA ID: 852-14-10 ICSAB ID: 852-14-10 ISTD ID: 852-15-10

RUN #	LAB SAMPLE ID	CLIENT SAMPLE ID	DIL	STANDARDS ID & COMMENTS
	See attached computer generated printout			
	(0) 001236-01	to	001236-07	
	(1) 001238-01	to	001238-07	
	(2) 001238-01	to	001238-06	
				11/6-30-10

NOTES :

ANALYST/DATE: 11/6-30-10 REVIEWER/DATE: 06-30-10

000000162

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	B-ICAP6500	***Sequence:***	0F25005
		Logbook RCN #:	832-0203
		Logbook Page No(s).:	32
Start Date:	06/25/2010 14:53	***Analyst/Date:***	CV / 6-30-10
End Date:	06/25/2010 17:57	***Reviewer/Date:***	06-30-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F25005-00	06/25/2010 14:53	B-ICAP6500	0F25005-CAL1	S0	1	
0F25005-00	06/25/2010 14:58	B-ICAP6500	0F25005-CAL2	S	1	
0F25005-00	06/25/2010 15:02	B-ICAP6500	0F25005-CAL3	S	1	
0F25005-00	06/25/2010 15:06	B-ICAP6500	0F25005-CAL4	S	1	
0F25005-00	06/25/2010 15:10	B-ICAP6500	0F25005-CAL5	S	1	
0F25005-00	06/25/2010 15:15	B-ICAP6500	0F25005-CAL6	S	1	
0F25005-00	06/25/2010 15:19	B-ICAP6500	0F25005-ICV1	ICV	1	
0F25005-00	06/25/2010 15:23	B-ICAP6500	0F25005-ICB1	ICB	1	
0F25005-00	06/25/2010 15:28	B-ICAP6500	0F25005-IFA1	ICSA	1	
0F25005-01	06/25/2010 15:32	B-ICAP6500	0F25005-IFB1	ICSAB	1	
0F25005-01	06/25/2010 15:37	B-ICAP6500	0F25005-CCV1	CCV	1	
0F25005-01	06/25/2010 15:41	B-ICAP6500	0F25005-CCB1	CCB	1	
0F25005-01	06/25/2010 15:45	B-ICAP6500	0060300-BLK1	PBW	1	
0F25005-01	06/25/2010 15:50	B-ICAP6500	0060300-BS1	LCSW	1	
0F25005-01	06/25/2010 15:54	B-ICAP6500	0012361-02	MF3JJ5	1	
0F25005-01	06/25/2010 15:58	B-ICAP6500	0060300-DUP1	MF3JJ5D	1	
0F25005-01	06/25/2010 16:03	B-ICAP6500	0060300-MS1	MF3JJ5S	1	
0F25005-01	06/25/2010 16:07	B-ICAP6500	0F25005-SRD1	MF3JJ5L	5	
0F25005-01	06/25/2010 16:11	B-ICAP6500	0012361-01	MF3JJ4	1	
0F25005-02	06/25/2010 16:16	B-ICAP6500	0012361-03	MF3JJ6	1	
0F25005-02	06/25/2010 16:20	B-ICAP6500	0012361-04	MF3JJ7	1	
0F25005-02	06/25/2010 16:25	B-ICAP6500	0012361-05	MF3JJ8	1	
0F25005-02	06/25/2010 16:29	B-ICAP6500	0012361-06	MF3JK2	1	
0F25005-02	06/25/2010 16:34	B-ICAP6500	0012361-07	MF3JL1	1	
0F25005-02	06/25/2010 16:38	B-ICAP6500	0012383-01	MF3JJ2	1	
0F25005-02	06/25/2010 16:43	B-ICAP6500	0012383-02	MF3JJ3	1	
0F25005-02	06/25/2010 16:47	B-ICAP6500	0012383-03	MF3JJ9	1	
0F25005-02	06/25/2010 16:52	B-ICAP6500	0012383-04	MF3JK0	1	
0F25005-02	06/25/2010 16:56	B-ICAP6500	0012383-05	MF3JK3	1	
0F25005-03	06/25/2010 17:00	B-ICAP6500	0012383-06	MF3JK4	1	
0F25005-03	06/25/2010 17:04	B-ICAP6500	0012383-07	MF3JK5	1	
0F25005-03	06/25/2010 17:09	B-ICAP6500	0012393-01	MF3JK1	1	
0F25005-03	06/25/2010 17:13	B-ICAP6500	0012393-02	MF3JK6	1	
0F25005-03	06/25/2010 17:18	B-ICAP6500	0012393-03	MF3JK7	1	

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	B-ICAP6500	***Sequence:***	0F25005
		Logbook RCN #:	832-0203
		Logbook Page No(s).:	32
Start Date:	06/25/2010 14:53	***Analyst/Date:***	0 / 6-30-10
End Date:	06/25/2010 17:57	***Reviewer/Date:***	06-30-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F25005-03	06/25/2010 17:22	B-ICAP6500	0012393-04	MF3JK8	1	
0F25005-03	06/25/2010 17:27	B-ICAP6500	0F25005-IBL1	ZZZZZZ	1	
0F25005-03	06/25/2010 17:31	B-ICAP6500	0F25005-IBL2	ZZZZZZ	1	
0F25005-03	06/25/2010 17:35	B-ICAP6500	0012393-05	MF3JK9	1	
0F25005-03	06/25/2010 17:40	B-ICAP6500	0F25005-CCV2	CCV	1	
0F25005-04	06/25/2010 17:44	B-ICAP6500	0F25005-CCB2	CCB	1	
0F25005-04	06/25/2010 17:48	B-ICAP6500	0012393-06	MF3JL0	1	
0F25005-04	06/25/2010 17:53	B-ICAP6500	0F25005-CCV3	CCV	1	
0F25005-04	06/25/2010 17:57	B-ICAP6500	0F25005-CCB3	CCB	1	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	**Instrument Run Log-Mercury Analyzer** Instrument ID: **A-FIMS100**			
Effective	Area	Type	Number-Version	RCN
03-Feb-2010	**MET**	**FORM**	**2FORM02-B**	**838-0410**

BATCHES(S): 0060342 SEQUENCE: OF24008 CALIBRATION: 852-19-10

START DATE: 06/29/2010 START TIME: 14:52 END DATE: 06/29/2010 END TIME: 15:52

ANALYTICAL METHOD: IS1M01.2 SOP: QSOP18-A

SnCl2 ID: 852-46-10 3% HCl ID: 852-47-10

RUN #	LAB SAMPLE ID	CLIENT SAMPLE ID	DIL	STANDARDS ID & COMMENTS
	See attached computer generated run log for samples			
We	analyzed:-	(i) 0012361-01 to 07		
		(ii) 0012383-01 to 07		
		(iii) 0012393-01 to 06		

NOTES :

ANALYST/DATE: 06/29/2010 REVIEWER/DATE: 07/02/10

000000165

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument: AFIMS100	***Sequence:*** 0F29008 ***Logbook RCN #:*** 838-0410 ***Logbook Page No(s).:*** 14
Start Date: 06/29/2010 14:52	***Analyst/Date:*** SM 06/29/2010
End Date: 06/29/2010 15:52	***Reviewer/Date:*** SS / 6-9-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F29008-00	06/29/2010 14:52	AFIMS100	0F29008-CAL1	S0	1	
0F29008-00	06/29/2010 14:54	AFIMS100	0F29008-CAL2	S0.2	1	
0F29008-00	06/29/2010 14:55	AFIMS100	0F29008-CAL3	S0.5	1	
0F29008-00	06/29/2010 14:57	AFIMS100	0F29008-CAL4	S1.0	1	
0F29008-00	06/29/2010 14:58	AFIMS100	0F29008-CAL5	S2.0	1	
0F29008-00	06/29/2010 14:59	AFIMS100	0F29008-CAL6	S5.0	1	
0F29008-00	06/29/2010 15:01	AFIMS100	0F29008-CAL7	S10.0	1	
0F29008-00	06/29/2010 15:02	AFIMS100	0F29008-ICV1	ICV	1	
0F29008-00	06/29/2010 15:04	AFIMS100	0F29008-ICB1	ICB	1	
0F29008-01	06/29/2010 15:05	AFIMS100	0F29008-CCV1	CCV	1	
0F29008-01	06/29/2010 15:07	AFIMS100	0F29008-CCB1	CCB	1	
0F29008-01	06/29/2010 15:08	AFIMS100	0060342-BLK1	PBW	1	
0F29008-01	06/29/2010 15:09	AFIMS100	0012361-01	MF3JJ4	1	
0F29008-01	06/29/2010 15:11	AFIMS100	0012361-02	MF3JJ5	1	
0F29008-01	06/29/2010 15:12	AFIMS100	0060342-DUP1	MF3JJ5D	1	
0F29008-01	06/29/2010 15:14	AFIMS100	0060342-MS1	MF3JJ5S	1	
0F29008-01	06/29/2010 15:15	AFIMS100	0012361-03	MF3JJ6	1	
0F29008-01	06/29/2010 15:16	AFIMS100	0012361-04	MF3JJ7	1	
0F29008-01	06/29/2010 15:18	AFIMS100	0012361-05	MF3JJ8	1	
0F29008-02	06/29/2010 15:19	AFIMS100	0012361-06	MF3JK2	1	
0F29008-02	06/29/2010 15:21	AFIMS100	0012361-07	MF3JL1	1	
0F29008-02	06/29/2010 15:22	AFIMS100	0F29008-CCV2	CCV	1	
0F29008-02	06/29/2010 15:23	AFIMS100	0F29008-CCB2	CCB	1	
0F29008-02	06/29/2010 15:25	AFIMS100	0012383-01	MF3JJ2	1	
0F29008-02	06/29/2010 15:26	AFIMS100	0012383-02	MF3JJ3	1	
0F29008-02	06/29/2010 15:28	AFIMS100	0012383-03	MF3JJ9	1	
0F29008-02	06/29/2010 15:29	AFIMS100	0012383-04	MF3JK0	1	
0F29008-02	06/29/2010 15:30	AFIMS100	0012383-05	MF3JK3	1	
0F29008-02	06/29/2010 15:32	AFIMS100	0012383-06	MF3JK4	1	
0F29008-03	06/29/2010 15:33	AFIMS100	0012383-07	MF3JK5	1	
0F29008-03	06/29/2010 15:35	AFIMS100	0012393-01	MF3JK1	1	
0F29008-03	06/29/2010 15:36	AFIMS100	0012393-02	MF3JK6	1	
0F29008-03	06/29/2010 15:37	AFIMS100	0012393-03	MF3JK7	1	
0F29008-03	06/29/2010 15:39	AFIMS100	0F29008-CCV3	CCV	1	

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

INSTRUMENT RUN-LOG

Instrument:	AFIMS100	***Sequence:***	0F29008
		Logbook RCN #:	838-0410
		Logbook Page No(s).:	14
Start Date:	06/29/2010 14:52	***Analyst/Date:***	SWA 06/29/2010
End Date:	06/29/2010 15:52	***Reviewer/Date:***	SJ / 6-28-10

File	Analyzed	Instrument	Lab Sample	Client Sample	Dil	STD ID / Comments
0F29008-03	06/29/2010 15:40	AFIMS100	0F29008-CCB3	CCB	1	
0F29008-03	06/29/2010 15:42	AFIMS100	0012393-04	MF3JK8	1	
0F29008-03	06/29/2010 15:43	AFIMS100	0012393-05	MF3JK9	1	
0F29008-03	06/29/2010 15:45	AFIMS100	0012393-06	MF3JL0	1	
0F29008-03	06/29/2010 15:46	AFIMS100	0F29008-IBL1	ZZZZZZ	1	
0F29008-04	06/29/2010 15:47	AFIMS100	0F29008-IBL2	ZZZZZZ	1	
0F29008-04	06/29/2010 15:49	AFIMS100	0F29008-IBL3	ZZZZZZ	1	
0F29008-04	06/29/2010 15:50	AFIMS100	0F29008-CCV4	CCV	1	
0F29008-04	06/29/2010 15:52	AFIMS100	0F29008-CCB4	CCB	1	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Metals			
Effective	Area	Type	Number-Version	RCN
1-Jan.-10	QA	FORM	2FORM04-A	817-0104

Solution Number:	817-204-10	Analyst:	SJ
Solution Name:	2% HNO3		
Dilution Solvent #:	DI water		
Prep Date:	5-08-10	Total Vol. (mL):	1000
Expiration Date:	5-08-14		

Lab ID (Receipt Logbook)	Concentration (mg/L or µg/L)	Aliquot (mL or µL)	Final Concentration (mg/L or µg/L)
HNO3 (A003026)	neat	200	2% v/v
	5/5-12-10		

NOTES _____

REVIEWER (SIGN): _____ DATE: 05-08-10

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Metals			
Effective	Area	Type	Number-Version	RCN
1-Jan.-10	QA	FORM	2FORM04-A	817-0104

Solution Number:	817-248-10	Analyst:	JJ
Solution Name:	2% HNO3 for rinse		
Dilution Solvent #:	DI water		
Prep Date:	6-2-10	Total Vol. (mL):	~15L
Expiration Date:	6-1-11		

Lab ID (Receipt Logbook)	Concentration (mg/L or µg/L)	Aliquot (mL or µL)	Final Concentration (mg/L or µg/L)
HNO3 (A003026)	neat	300	2%v/v
		JJ 6-2-10	

NOTES _____

REVIEWER (SIGN): SW DATE: 06-02-10

000000169

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Metals			
Effective	Area	Type	Number-Version	RCN
1-Jan.-10	QA	FORM	2FORM04-A	817-0104

Solution Number:	817-202-10	Analyst:	JJ
Solution Name:	1:1 HNO3		
Dilution Solvent #:	DI water		
Prep Date:	5-08-10	Total Vol. (mL):	4000
Expiration Date:	5-08-11		

Lab ID (Receipt Logbook)	Concentration (mg/L or µg/L)	Aliquot (mL or µL)	Final Concentration (mg/L or µg/L)
HNO3 (A003026)	neat	2000	1:1 v/v

NOTES _____

REVIEWER (SIGN): _____ DATE: 05.08-10

000000170

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Metals			
Effective	Area	Type	Number-Version	RCN
1-Jan.-10	QA	FORM	2FORM04-A	817-0104

Solution Number:	817-203-10	Analyst:	SJ
Solution Name:	1:1 HCl		
Dilution Solvent #:	DI water		
Prep Date:	5-08-10	Total Vol. (mL):	4000
Expiration Date:	5-08-11		

Lab ID (Receipt Logbook)	Concentration (mg/L or µg/L)	Aliquot (mL or µL)	Final Concentration (mg/L or µg/L)
HCl (A.063025)	neat	2000	1:1 v/v
		11/5-12-10	

NOTES _____

REVIEWER (SIGN): SJ DATE: 05-08-10

Analytical Standard Record

A4 SCIENTIFIC, INC.

A003025

Description:	HYDROCHLORIC ACID	Expires:	11/12/12
Standard Type:	Other	Prepared:	03/12/10
Solvent:	NONEV	Prepared By:	Devi Chinnam
Final Volume (mls):	1	Department:	RECEIVING
Vials:	8	Last Edit:	03/15/10 08:08 by DC

CAT# 87003-252

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By

Date

000000172

BDH ARISTAR® PLUS
(For Trace Metal Analysis)

Hydrochloric Acid
CERTIFICATE OF ANALYSIS

Cat. No.: 87003-250 0500mL
Cat. No.: 87003-252 2500mL
Cat. No.: 87003-248 2500mL
Cat. No.: 87003-254 200L

LOT NUMBER: 4110040
RELEASE DATE: May 11, 2010
EXPIRY DATE: May 11, 2013

Tests	Maximum Specification	Actual Value	Units
ASSAY (HCl, w/w):	34 - 37 %	35%	% by w/w
Color:	10	< 10	APHA

Analyte	Maximum Specification	Actual Value (in ppb)	Analyte	Maximum Specification	Actual Value (in ppb)
Aluminum (Al)	1 ppb	< 0.5	Neodymium (Nd)	0.1 ppb	< 0.1
Antimony (Sb)	0.5 ppb	< 0.1	Nickel (Ni)	0.5 ppb	< 0.1
Arsenic (As)	0.5 ppb	< 0.1	Niobium (Nb)	0.1 ppb	< 0.1
Barium (Ba)	0.1 ppb	< 0.1	Palladium (Pd)	Information Only	< 0.5
Beryllium (Be)	0.1 ppb	< 0.1	Platinum (Pt)	Information Only	< 0.5
Bismuth (Bi)	0.1 ppb	< 0.1	Potassium (K)	1 ppb	< 0.1
Boron (B)	1 ppb	< 0.5	Praseodymium (Pr)	0.1 ppb	< 0.1
Cadmium (Cd)	0.1 ppb	< 0.1	Rhenium (Re)	0.1 ppb	< 0.1
Calcium (Ca)	1 ppb	< 0.5	Rhodium (Rh)	0.1 ppb	< 0.1
Cerium (Ce)	0.1 ppb	< 0.1	Rubidium (Rb)	0.1 ppb	< 0.1
Cesium (Cs)	0.1 ppb	< 0.1	Ruthenium (Ru)	0.1 ppb	< 0.1
Chromium (Cr)	0.5 ppb	< 0.1	Samarium (Sm)	0.1 ppb	< 0.1
Cobalt (Co)	0.1 ppb	< 0.1	Scandium (Sc)	0.1 ppb	< 0.1
Copper (Cu)	0.5 ppb	< 0.1	Selenium (Se)	1 ppb	< 0.1
Dysprosium (Dy)	0.1 ppb	< 0.1	Silver (Ag)	1 ppb	< 0.1
Erbium (Er)	0.1 ppb	< 0.1	Sodium (Na)	1 ppb	< 0.5
Europium (Eu)	0.1 ppb	< 0.1	Strontium (Sr)	0.1 ppb	< 0.1
Gadolinium (Gd)	0.1 ppb	< 0.1	Tantalum (Ta)	Information Only	< 1
Gallium (Ga)	0.1 ppb	< 0.1	Tellurium (Te)	0.1 ppb	< 0.1
Gold (Au)	0.5 ppb	< 0.1	Terbium (Tb)	0.1 ppb	< 0.1
Hafnium (Hf)	0.1 ppb	< 0.1	Thallium (Tl)	0.1 ppb	< 0.1
Holmium (Ho)	0.1 ppb	< 0.1	Thorium (Th)	0.1 ppb	< 0.1
Indium (In)	0.1 ppb	< 0.1	Thulium (Tm)	0.1 ppb	< 0.1
Iron (Fe)	1 ppb	< 0.5	Tin (Sn)	0.5 ppb	< 0.1
Lanthanum (La)	0.1 ppb	< 0.1	Titanium (Ti)	0.5 ppb	< 0.1
Lead (Pb)	0.1 ppb	< 0.1	Tungsten (W)	0.1 ppb	< 0.1
Lithium (Li)	0.1 ppb	< 0.1	Uranium (U)	0.1 ppb	< 0.1
Lutetium (Lu)	0.1 ppb	< 0.1	Vanadium (V)	0.5 ppb	< 0.1
Magnesium (Mg)	0.5 ppb	< 0.5	Ytterbium (Yb)	0.1 ppb	< 0.1
Manganese (Mn)	0.1 ppb	< 0.1	Yttrium (Y)	0.1 ppb	< 0.1
Mercury (Hg)	0.1 ppb	< 0.02	Zinc (Zn)	1 ppb	< 0.5
Molybdenum (Mo)	0.1 ppb	< 0.1	Zirconium (Zr)	0.1 ppb	< 0.1

Analyte	Maximum Specification	Actual Value (in ppm)	Analyte	Maximum Specification	Actual Value (in ppm)
Bromide (Br^-)	10 ppm	< 10	Total Sulfur (S)	0.3 ppm	< 0.3
Total Phosphorus (P)	0.01 ppm	< 0.01	Free Chlorine (Cl_2)	0.5 ppm	< 0.5

Element concentrations are at the point of bottling. Concentrations of some elements in particular, Ca, Si, K, Na, B, Al, Mg & Mn will increase due to storage in glass bottles.

Distributed Exclusively by
VWR INTERNATIONAL™

1310 Goshen Parkway,
West Chester, PA 19380
Phone: 1-800-932-5000

QA/QC Manager: B McK

Dr. B. McKelvey

000000173

Analytical Standard Record

A4 SCIENTIFIC, INC.

A003026

Description:	NITRIC ACID	Expires:	12/17/12
Standard Type:	Other	Prepared:	03/12/10
Solvent:	NONE	Prepared By:	Devi Chinnam
Final Volume (mls):	1	Department:	RECEIVING
Vials:	12	Last Edit:	03/15/10 08:11 by DC

87003-260

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By

Date

000000174

BDH ARISTAR® PLUS
(For Trace Metal Analysis)

Nitric Acid
CERTIFICATE OF ANALYSIS

Cat. No.: 87003-258 0500mL
Cat. No.: 87003-260 2500mL
Cat. No.: 87003-262 2500mL

LOT NUMBER: 1110040
RELEASE DATE: May 3, 2010
EXPIRY DATE: May 3, 2013

Tests	Maximum Specification	Actual Value	Units
ASSAY (HNO_3, w/w):	67 - 70%	69%	% by w/w
Color:	10	< 10	APHA

Analyte	Maximum Specification	Actual Value (in ppb)	Analyte	Maximum Specification	Actual Value (in ppb)
Aluminum (Al)	1 ppb	< 0.5	Neodymium (Nd)	0.1 ppb	< 0.1
Antimony (Sb)	0.5 ppb	< 0.1	Nickel (Ni)	0.5 ppb	< 0.5
Arsenic (As)	0.5 ppb	< 0.1	Niobium (Nb)	0.1 ppb	< 0.1
Barium (Ba)	0.1 ppb	< 0.1	Palladium (Pd)	0.5 ppb	< 0.1
Beryllium (Be)	0.1 ppb	< 0.1	Platinum (Pt)	0.5 ppb	< 0.1
Bismuth (Bi)	0.1 ppb	< 0.1	Potassium (K)	1 ppb	< 0.2
Boron (B)	1 ppb	< 0.5	Praseodymium (Pr)	0.1 ppb	< 0.1
Cadmium (Cd)	0.5 ppb	< 0.1	Rhenium (Re)	0.1 ppb	< 0.1
Calcium (Ca)	1 ppb	< 0.5	Rhodium (Rh)	0.5 ppb	< 0.1
Cerium (Ce)	0.1 ppb	< 0.1	Rubidium (Rb)	0.1 ppb	< 0.1
Cesium (Cs)	0.1 ppb	< 0.1	Ruthenium (Ru)	0.5 ppb	< 0.1
Chromium (Cr)	1 ppb	< 0.5	Samarium (Sm)	0.1 ppb	< 0.1
Cobalt (Co)	0.5 ppb	< 0.1	Scandium (Sc)	0.1 ppb	< 0.1
Copper (Cu)	0.5 ppb	< 0.1	Selenium (Se)	1 ppb	< 0.1
Dysprosium (Dy)	0.1 ppb	< 0.1	Silver (Ag)	0.1 ppb	< 0.1
Erbium (Er)	0.1 ppb	< 0.1	Sodium (Na)	1 ppb	< 0.2
Europium (Eu)	0.1 ppb	< 0.1	Strontium (Sr)	0.1 ppb	< 0.1
Gadolinium (Gd)	0.1 ppb	< 0.1	Tantalum (Ta)	Information Only	< 0.1
Gallium (Ga)	0.1 ppb	< 0.1	Tellurium (Te)	0.1 ppb	< 0.1
Germanium (Ge)	0.1 ppb	< 0.1	Terbium (Tb)	0.1 ppb	< 0.1
Gold (Au)	0.1 ppb	< 0.1	Thallium (Tl)	0.1 ppb	< 0.1
Hafnium (Hf)	0.1 ppb	< 0.1	Thorium (Th)	0.1 ppb	< 0.1
Holmium (Ho)	0.1 ppb	< 0.1	Thulium (Tm)	0.1 ppb	< 0.1
Indium (In)	0.1 ppb	< 0.1	Tin (Sn)	0.5 ppb	< 0.1
Iron (Fe)	1 ppb	< 0.5	Titanium (Ti)	0.5 ppb	< 0.1
Lanthanum (La)	0.1 ppb	< 0.1	Tungsten (W)	0.1 ppb	< 0.1
Lead (Pb)	0.1 ppb	< 0.1	Uranium (U)	0.1 ppb	< 0.1
Lithium (Li)	0.1 ppb	< 0.1	Vanadium (V)	0.5 ppb	< 0.1
Lutetium (Lu)	0.1 ppb	< 0.1	Ytterbium (Yb)	0.1 ppb	< 0.1
Magnesium (Mg)	1 ppb	< 0.2	Yttrium (Y)	0.1 ppb	< 0.1
Manganese (Mn)	0.1 ppb	< 0.1	Zinc (Zn)	0.5 ppb	< 0.2
Mercury (Hg)	0.1 ppb	< 0.05	Zirconium (Zr)	0.1 ppb	< 0.1
Molybdenum (Mo)	0.1 ppb	< 0.1			

Analyte	Maximum Specification	Actual Value (in ppm)	Analyte	Maximum Specification	Actual Value (in ppm)
Chloride (Cl^-)	0.2 ppm	< 0.2	Total Sulfur (S)	0.3 ppm	< 0.3
Total Phosphorus (P)	0.01 ppm	< 0.01			

Element concentrations are at the point of bottling. Concentrations of some elements in particular, Ca, Si, K, Na, B, Al, Mg & Mn will increase due to storage in glass bottles.

Distributed Exclusively by
VWR INTERNATIONAL™

1310 Goshen Parkway,
West Chester, PA 19380
Phone: 1-800-932-5000

QA/QC Manager: B McK
Dr. B. McKelvey

000000175

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number:	852-48-10	**Analyst:**	SS
Solution Name:	S S fw ISMix 2		
Dilution Solvent Name:	2% HNO3	**Dilution Solvent ID #:**	817-204-10
Prep Date:	6-25-10	**Total Vol. (ml):**	50
Expiration Date:	7-24-10		

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
environmental express	Contract Required Detection Limits	ICLRDL-100	A003040	6-120	5	0.6-12
	Pb	HP100028-1	A001004	1000	0.070	1.4
	Se	HP100049-1	A901020		0.300	6
	Tl	HP100058-1	A901019		0.150	3
	Zn	HP100068-1	A006037		0.400	8
	Al	HP10M1-1	A901011	10,000	1.5	300
	Ca	HP10M9-1	A901009		1.5	
	Mg	HP10M21-1	A904024		1.5	
	Fe	HP10M26-1	A901010		1.0	200
	Na	HP10M52-1	A901012		0.5	100
	K	HP10M41-1	A006036		0.5	100
	Ba	HP10M4-1	A901018	1000	0.5	10
* Final concentration for		Pb = 2 ppm		Se = 7 ppm		
	Tl = 5 ppm		Zn = 12 ppm			

NOTES

REVIEWER: SM DATE: 06-30-10

000000176

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	**Standards Preparation Logbook** **Department:** Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	**QA**	**FORM**	**6FORM15-A**	**852-0520**

Solution Number:	852-49-10	**Analyst:**	SS
Solution Name:	S4, S3, S2 & CCV for ICMV1.2		
Dilution Solvent Name:	2% HNO3	**Dilution Solvent ID #:**	817-204-10
Prep Date:	6-25-10	**Total Vol. (ml):**	50 each
Expiration Date:	7-24-10		

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
A4	S5		S4	1-300	25	0.5-150
↓	S4		S3	0.5-150	25	0.5-75
	S3		S2	0.5-150	5	0.05-15
	CCV = S3					
	Detailed procedure to make S4, S3, S2					
(1)	S4: 25mL of S5 + 25mL of 2% HNO3					
(2)	S3: 25mL of S4 + 25mL of 2% HNO3					
(3)	S2: 5mL of S4 + 45mL of 2% HNO3					

NOTES

REVIEWER: [signature] DATE: 06-30-10

000000177

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number:	852-50-10	**Analyst:**	SJ
Solution Name:	S1 for ICSM01.2		
Dilution Solvent Name:	DI water 2% HNO3 6/16/10	**Dilution Solvent ID #:**	~~817-204-10~~ 1/600-10
Prep Date:	6-25-10	**Total Vol. (ml):**	1000
Expiration Date:	7-24-10		

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
environmental express	contract Required Detection limits	ICLRDL-100	A003040	6-120	500	3-60
	Pb	HP10W028-1	A001064	1,000	7	7
	Se	HP10W49-1	A501020		30	30
	Tl	HP10W58-1	A501019		15	15
	Zn	HP10W68-1	A006037		40	40
	Al	HP10M1-1	A901011	10,000	20	200
	Ca	HP10M54-1	A501009		50	500
	Mg	HP10M31-1	A504004		50	500
	Fe	HP10M26-1	A901010		10	100
	Na	HP10M52-1	A901012		50	500
	K	HP10M41-1	A006036		50	500
	Ba	HP10W04-1	A901018	1,000	200	200
DDH	HNO3	87000-160	A003026	neat	20 ml	2%

NOTES

REVIEWER: SJ

DATE: 06-30-10

000000178

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-11-10	Analyst: SS
Solution Name: ICV for AES	
Dilution Solvent Name: 2% HNO_3	Dilution Solvent ID #: 817-204-10
Prep Date: 6-8-10	Total Vol. (ml): 100
Expiration Date: 7-7-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
EPA	ICVL-0307	ICV-1	A035052	49-100.97	10	0.49-100.97

16-9-10

NOTES

REVIEWER: [signature] DATE: 06-11-10

000000179

Analytical Standard Record

A4 SCIENTIFIC, INC.

A005052

Description:	ICV-1	Expires:	11/17/11
Standard Type:	Other	Prepared:	05/20/10
Solvent:	NONE	Prepared By:	Devi Chinnam
Final Volume (mls):	1	Department:	RECEIVING
Vials:	4	Last Edit:	05/21/10 11:26 by DC

CAT#07-004

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By [signature] Date 05/24/10

000000180

1,16-8-10

Table 9. ICP/AES-Initial Calibration Verification Standard (ICV) Concentration

Standard Name	Vendor Cat#	Element	Initial Conc. ug/L	Aliquot (uL)	Final Conc. ug/L
ICV-1 (0307)	EPA Ref Material ICV-1 (0307)	Al	25,210	1,000	2,521
		Sb	9,940		994
		As	9,990		999
		Ba	4,970		497
		Be	4,950		495
		Cd	4,960		496
		Ca	100,260		10,026
		Cr	4,900		490
		Co	4,990		499
		Cu	4,920		492
		Fe	50,820		5,082
		Pb	10,020		1,002
		Mg	60,740		6,074
		Mn	4,990		499
		Ni	5,030		503
		K	100,210		10,021
		Se	10,290		1,029
		Ag	5,010		501
		Na	100,970		10,097
		Tl	10,280		1,028
		V	5,010		501
		Zn	10,250		1,025
			2% Nitric Acid (uL)	9,000	
			Total Volume (uL)	10,000	

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (0307) — For ICP-AES use, dilute the ICV-1 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50 fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) – For furnace AA use, dilute the ICV-2 concentrate 20 fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

4. ICV-4 (0499) – For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (0508) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) – For the analysis of cyanide, dilute the ICV-6 concentrate 100 fold with Type II water; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-1 (0307)		
Element	Concentration (µg/L) (after 10 fold dilution)	Concentration (µg/L) (after 50 fold dilution)
Al	2521	504
Sb	994	199
As	999	200
Ba	497	99
Be	495	99
Cd	496	99
Ca	10026	2005
Cr	490	98
Co	499	100
Cu	492	98
Fe	5082	1016
Pb	1002	200
Mg	6074	1215
Mn	499	100
Ni	503	101
K	10021	2004
Se	1029	206
Ag	501	100
Na	10097	2019
Tl	1028	206
V	501	100
Zn	1025	205

ICV-2 (0601)	
Element	Concentration (µg/L) (after 20 fold dilution)
As	52.6
Se	50.8

ICV-3 (0500)	
Element	Concentration (µg/L) (after 10 fold dilution)
Sb	999

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003040

Description:	ICLRDL-100 (Contract required detection	Expires:	03/23/11
Manufacturer:	Envinonmental Express	Received:	03/24/10
Manufacturerer's Lot #:	0934927	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	Part# ICLRDL-100	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	03/30/10 08:38 by DC

Part# ICLRDL-100

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By [signature] 03/30/10 Date

000000184

ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

Part Number: **ICLRDL-100**
Lot Number: **0934927**
Matrix: 2% HNO_3 + Tr HF
Purity: 99.995% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	120.0 ± 0.6	3102a	061229	Mn	30.0 ± 0.2	3132	050429
As	20.0 ± 0.2	3103a	010713	Ni	80.0 ± 0.4	3136	000612
Be	10.0 ± 0.1	3105a	892707	Se	10.0 ± 0.1	3149	992106
Cd	10.00 ± 0.05	3108	060531	Ag	20.0 ± 0.1	3151	992212
Cr	20.0 ± 0.1	3112a	030730	Tl	20.0 ± 0.1	3158	993012
Co	100.0 ± 0.5	3113	000630	V	100.0 ± 0.6	3165	992706
Cu	50.0 ± 0.3	3114	011017	Zn	40.0 ± 0.2	3168a	080123
Pb	6.00 ± 0.06	3128	030721				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

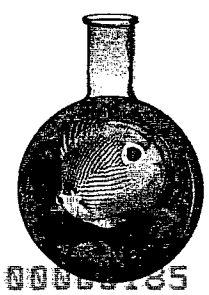
Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com



a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle and is guaranteed to be valid for twelve months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: December 15, 2009

Shipped Date: MAR 2 3 2010

Expiration Date: MAR 2 3 2011

Amy Adams, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

December 17, 2009

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Analytical Standard Record

A4 SCIENTIFIC, INC.

A001004

Description:	LEAD	Expires:	05/04/11
Standard Type:	Other	Prepared:	12/21/09
Solvent:	NONE	Prepared By:	LAKSHMI TEERUPALLI
Final Volume (mls):	1	Department:	RECEIVING
Vials:	1	Last Edit:	01/05/10 09:31 by SLT

HP100028-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Kishore 01/05/10

Reviewed By Date

000000187

A001004

ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

Name:	Lead
Part Number:	HP100028-1
Lot Number:	0909736
Source Material:	Lead Metal
Material Purity:	99.999+%
Matrix:	2% HNO_3

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3128 (lot number 030721) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Reference Values:

Density: 1.0092 g/mL @ 23.9°C

Trace Metal Impurity Scan via ICP Analysis in µg/L: The typical values detected in the lead standard solution at 1000 µg/mL are listed below. The values are based upon the analysis results for the starting source material:

Ag	<1	Cu	<1	Lu	<0.02	Re	<0.02	Tl	<2		
Al	<1	Dy	<0.02	Mg	<0.5	Rh	<0.02	Tm	<0.02		
As	<0.05	Er	<0.02	Mn	<0.1	Ru	<0.02	U	<0.1		
Au	<0.02	Eu	<0.02	Mo	<0.02	Sb	<1	V	<1		
B	<1	Fe	<1	Na	<20	Sc	<0.02	W	<0.02		
Ba	<0.02	Ga	<0.02	Nb	<0.02	Se	<0.1	Y	<0.02		
Be	<0.5	Gd	<0.02	Nd	<0.02	Sm	<0.02	Yb	<0.02		
Bi	<4	Ge	<0.02	Ni	<0.02	Sn	<1	Zn	<0.1		
Ca	<0.1	Hf	<0.02	Os	<0.02	Sr	<0.02	Zr	<0.02		
Cd	<0.5	Ho	<0.02	Pb	M	Ta	<0.02				
Ce	<0.02	In	<0.02	Pd	<0.02	Tb	<0.02				
Co	<0.05	Ir	<1	Pr	<0.02	Te	<0.02				
Cr	<0.1	La	<0.02	Pt	<0.02	Th	<3				
Cs	<0.02	Li	<0.02	Rb	<5	Tc	<0.02				

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration:** All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration:** The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards:** The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle and is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: April 7, 2009

Shipped Date:

Expiration Date:

[MAY 2018]

Amy Adams, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

May 14, 2009

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A901020

Description:	SELENIUM	Expires:	07/06/10
Manufacturer:	Envinonmental Express	Received:	01/12/09
Manufacturerer's Lot #:	0810801	Supplier:	SREE LAKSHMI TEEREPALLI
Manufacturerer's Cat #:	CAT # HP100049-1	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	01/12/09 14:45 by SLT

CAT # HP100049-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Sree 01/12/09

Reviewed By Date

00000150

ENVIRONMENTAL EXPRESS

A701020

Certificate of Analysis

Product Description:

Name:	Selenium
Part number:	**HP100049-1**
Lot number:	**0810801**
Source Material:	Selenium Metal
Material Purity:	99.999%
Matrix:	2% HNO_3

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3149 (lot number 992106) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

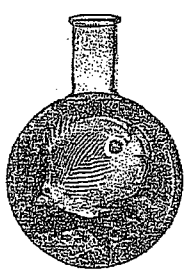
Reference Values:

Density: 1.0094 g/mL @ 22.9°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the selenium standard solution at 1000 µg/mL are reported below in µg/L. M = Major element.

Ag	<0.02	Cu	<1	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<0.5	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<1	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	M	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	<0.1	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com



000000191

A901020

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: April 17, 2008

Shipped Date: JAN 0 6 2009

Expiration Date: JUL 0 6 2010

Andrew P. Burke, PhD, Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD, Laboratory Director

April 25, 2008

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A901019

Description:	THALLIUM	Expires:	07/06/10
Manufacturer:	Envinonmental Express	Received:	01/12/09
Manufacturerer's Lot #:	0812308	Supplier:	SREE LAKSHMI TEEREPALLI
Manufacturerer's Cat #:	CAT # HP100058-1	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	01/12/09 14:44 by SLT

CAT # HP100058-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By Sree

Date 01/12/09

ENVIRONMENTAL EXPRESS

A901019

Certificate of Analysis

Product Description:

Name:	Thallium
Part number:	**HP100058-1**
Lot number:	**0812308**
Source Material:	Thallium Metal
Material Purity:	99.999%
Matrix:	2% HNO_3

Certified Value: 10000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3158 (lot number 993012) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Reference Values:

Density: 1.0093 g/mL @ 22.7°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the thallium standard solution at 1000 µg/mL are reported below in µg/L. M = Major element.

Ag	<0.02	Cu	<0.1	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<0.5	Rh	<0.02	Tl	M
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<5	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Be	<15	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	<0.1	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com

A901019

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: May 2, 2008

Shipped Date: JAN 0 6 2009

Expiration Date: JUL 0 6 2010

Andrew P. Burke, PhD, Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD, Laboratory Director

May 8, 2008

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

000000195

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A006037

Description:	Zinc	Expires:	11/21/11
Manufacturer:	Envinonmental Express	Received:	05/20/10
Manufacturerer's Lot #:	1006701	Supplier:	Laxmi Teerupalli
Manufacturerer's Cat #:	HP100068-1	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	06/09/10 09:12 by SLT

HP100068-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By: Rashee

Date: 6/9/10

A006037

ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

Name:	Zinc	Source Material:	Zinc Metal
Part Number:	**HP100068-1**	Material Purity:	99.9998%
Lot Number:	**1006701**	Matrix:	2% (v/v) HNO_3

Certified Value:

(µg/mL)	SRM ID	SRM Lot#
1002 ± 4	3168a	080123

The certified value is based on instrumental analysis by inductively coupled plasma optical emission spectrometry (ICP-OES) against SRM 3168a using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Uncertified Values:

Density: 1.0063 g/mL @ 22.1°C

Impurity values via ICP Analysis in µg/L: The data reported are based upon a scan of this specific lot at 1002 µg/mL via ICP analysis. The values are reported in µg/L. Where values are not detected, the instrument detection limits (IDL) are reported.

Ag	<	0.02	Cu	<	0.1	Li	<	0.02	Rb	<	0.02	Th	<	0.02
Al	<	0.1	Dy	<	0.02	Lu	<	0.02	Re	<	0.02	Ti	<	0.02
As	<	0.05	Er	<	0.02	Mg	<	0.5	Rh	<	0.02	Tl	<	0.02
Au	<	0.02	Eu	<	0.02	Mn	<	0.1	Ru	<	0.02	Tm	<	0.02
B	<	1	Fe	<	1	Mo	<	0.02	Sb	<	0.02	U	<	0.1
Ba	<	0.02	Ga	<	0.02	Na	<	1	Sc	<	0.02	V	<	0.05
Be	<	0.02	Gd	<	0.02	Nb	<	0.02	Se	<	0.1	W	<	0.02
Bi	<	0.02	Ge	<	0.02	Nd	<	0.02	Si	<	1	Y	<	0.04
Ca	<	0.1	Hf	<	0.02	Ni	<	0.02	Sm	<	0.02	Yb	<	0.02
Cd	<	0.02	Ho	<	0.02	Os	<	0.02	Sn	<	1	Zn		M
Ce	<	0.02	In	<	0.02	Pb	<	0.1	Sr	<	0.02	Zr	<	0.02
Co	<	0.05	Ir	<	0.02	Pd	<	0.02	Ta	<	0.04			
Cr	<	0.1	K	<	1	Pr	<	0.02	Tb	<	0.02			
Cs		na	La	<	0.02	Pt	<	0.02	Te	<	0.02			

(na = not analyzed)

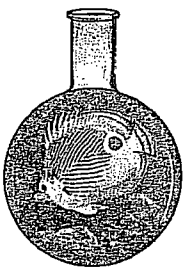
Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Stability of this product is based upon rigorous short term and long term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product.

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com



000000197

Intended Use:

This Certified Reference Material (CRM) is intended for use as a calibration standard for the quantitative determination of zinc, calibration of instruments such as ICPOES, ICPMS, AAS and XRF, and validation of analytical methods. It also can be used in EPA, ASTM and other methods.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Standard Weight and Analytical Balance Calibration:**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are calibrated weekly by an in-house method using standard weights.

b. **Volumetric Device Calibration:**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer Calibration:**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are calibrated against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: March 8, 2010

Shipped Date: May 21, 2010

Expiration Date: November 21, 2011

Vanny T. Yib, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

March 16, 2010

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number:	852-14-10	**Analyst:**	SJ
Solution Name:	ICSA & ICSAB for AES		
Dilution Solvent Name:	DI water	**Dilution Solvent ID #:**	none
Prep Date:	6-8-10	**Total Vol. (ml):**	500 each
Expiration Date:	7-7-10		

	Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (ml or µL)	Final Conc. (mg/L or µg/L)
ICSA	EPA	ICS for AES ILMS.X	ICS part A (1206)	A003014	0.1-2475	50	0.01-247.5
ICSA	VWR	HNO_3	87003-260	A003026	neat (69%)	10	2% v/v
ICSAB	EPA	ICS for AES ILMS.X	ICS part A (1206)	A003014	0.1-2475	50	0.01-247.5
ICSAB	EPA	ICS for AES ILMS.X	ICS part B (1207)	A003015	0.53-2501	50	0.053-251.1
ICSAB	VWR	HNO_3	87003-260	A003026	neat (69%)	10	2% v/v
						SJ 6-8-10	

NOTES

REVIEWER: SJ

DATE: 06-11-10

000000199

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003014

Description:	ICP-AES ICSA-1206	Expires:	09/05/11
Manufacturer:	QATS	Received:	03/09/10
Manufacturerer's Lot #:	ICSA-1206	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT# 01-015	Supplier Cat#:	ADMIN
# of Containers:	6	Last Edit:	03/09/10 10:36 by DC

CAT# 01-015

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 03/10/10 Date

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003015

Description:	ICP-AES ICSB-0203	Expires:	09/05/11
Manufacturer:	QATS	Received:	03/09/10
Manufacturerer's Lot #:	ICSB-0203	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT# 01-015	Supplier Cat#:	RECEIVING
# of Containers:	2	Last Edit:	03/09/10 10:40 by DC

CAT# 01-015

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By: [illegible] Date: 03/10/10

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE SET
PART A (1206) WITH PART B (0203) FOR ICP-AES

The "Certified Value" concentrations of the elements are listed in Table 1. The values are certified in that all results used in calculating the certified values were derived from statistically pooled results from the following sources: ILM05.4 Pre-award analysis, Quarterly Blind analysis, CLP laboratory referee analysis, and QATS Laboratory analysis. Preparation and analysis must be performed according to the following instructions:

Part A (1206), Interferents: Pipet 10 mL of the Part A solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this solution, Soln. A, by ICP-AES.

Part B (0203), Analytes, mixed with Part A (1206), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this solution, Soln. AB, by ICP-AES.

NOTE: THIS ICS SET IS FOR USE WITH ILM05.4 AND REVISIONS ONLY, NOT ILM04.x.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES PART A (1206), AND PART A (1206) MIXED WITH PART B (0203)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	244100	241100
Sb	(0)	589
As	(0)	101
Ba	(2)	495
Be	(0)	475
Cd	(0)	940
Ca	234900	231100
Cr	43	511
Co	(4)	461
Cu	(23)	548
Fe	95600	94800
Pb	10	61
Mg	247500	251100
Mn	19	502
Ni	(21)	984
Se	(0)	53
Ag	(0)	206
Tl	(0)	103
V	(0)	494
Zn	(28)	1028

( ) Indicates analyte values that are less than the CRQL, and the value is to be used as a set point for the +/- 2 times CRQL acceptance criteria calculations.

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number:	852-15-10	Analyst:	SS
Solution Name:	I.S. for AES		
Dilution Solvent Name:	DI water	Dilution Solvent ID #:	none
Prep Date:	6-8-10	Total Vol. (ml):	2000
Expiration Date:	7-7-10		

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Environmental express	Yttrium	HP100667-1	A006035	1000	10	5
↓	Indium	HP10M24-1	A006034	10,000	8	40
VWR	HNO3	87003-260	A073026	neat (69%)	40	2% v/v
					6-8-10	

NOTES

REVIEWER: SM

DATE: 06-11-10

000000203

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A006034

Description:	Indium	Expires:	11/21/11
Manufacturer:	Envinonmental Express	Received:	05/20/10
Manufacturerer's Lot #:	1007004	Supplier:	Laxmi Teerupalli
Manufacturerer's Cat #:	HP10M24-1	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	06/09/10 09:11 by SLT

HP10M24-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Kishore 6/9/10

Reviewed By Date

A006034

ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

Name:	Indium	Source Material:	Indium Metal
Part Number:	**HP10M24-1**	Material Purity:	99.999%
Lot Number:	**1007004**	Matrix:	4% (v/v) HNO_3

Certified Value: 10.00 mg/mL ± 0.03 mg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3124a (lot number 991219) by inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Uncertified Values:

Density: 1.0381 g/mL @ 20.9°C

Impurity values via ICP Analysis in µg/L:
The typical values detected in the standard solution at 1000 µg/mL are listed below. The values are based upon the analysis results for the starting source material.

Ag	<0.02	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
Al	<1	Er	<0.02	Mg	<4	Rh	<0.02	Tl	<0.02
As	<0.05	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
Au	<0.02	Fe	<1	Mo	<0.02	Sb	<0.02	U	<0.1
B	<1	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Ba	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Be	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Yb	<0.02
Bi	<0.02	Hf	<0.02	Ni	<0.02	Sm	<0.02	Y	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<3	Zn	<1
Ca	<10	In	M	Pb	<0.05	Sr	<0.02	Zr	<0.02
Ce	<0.02	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Co	<0.05	K	<1	Pr	<0.02	Tb	<0.02		
Cr	<0.1	La	<0.02	Pt	<0.02	Te	<0.02		
Cu	<0.1	Li	<0.02	Rb	<0.02	Th	<0.02		

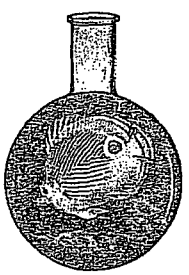
Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Stability of this product is based upon rigorous short term and long term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product.

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com



000000205

Intended Use

This Certified Reference Material (CRM) is intended for use as a calibration standard for the quantitative determination of indium, calibration of instruments such as ICPOES, ICPMS, AAS and XRF, and validation of analytical methods. It also can be used in EPA, ASTM and other methods.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Standard Weight and Analytical Balance Calibration:**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are calibrated weekly by an in-house method using standard weights.

b. **Volumetric Device Calibration:**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer Calibration:**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are calibrated against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date:	March 11, 2010
Shipped Date:	May 21, 2010
Expiration Date:	November 21, 2011

Vanny T. Yib, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

March 11, 2010

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A006035

Description:	Yttrium	Expires:	11/21/11
Manufacturer:	Envinonmental Express	Received:	05/20/10
Manufacturerer's Lot #:	0915912	Supplier:	Laxmi Teerupalli
Manufacturerer's Cat #:	HP100067-1	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	06/09/10 09:11 by SLT

HP100067-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Kishore 6/9/10

Reviewed By Date

000000287

A006035

ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

Name:	Yttrium
Part Number:	**HP100067-1**
Lot Number:	**0915912**
Source Material:	Yttrium Oxide
Material Purity:	99.999%
Matrix:	2% HNO_3

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3167a (lot number 790412) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

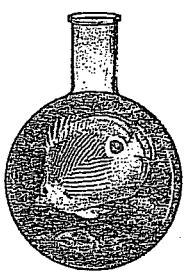
Reference Values:

Density: 1.0106 g/mL @ 23.3°C

Trace Metal Impurity Scan via ICP Analysis in µg/L: The typical values detected in the yttrium standard solution at 1000 µg/mL are listed below. The values are based upon the analysis results for the starting source material.

Al	<0.1	Er	<1	Mg	<0.5	Sb	<0.02	W	<0.02
As	<0.05	Eu	<0.02	Mn	<0.1	Sc	<0.02	Yb	<1
B	<1	Fe	<1	Mo	<0.02	Si	<4	Y	M
Ba	<1	Ga	<0.02	Na	<1	Sm	<0.02	Zn	<1
Be	<0.02	Gd	<0.02	Nb	<0.02	Sr	<0.02		
Bi	<0.02	Ge	<0.02	Nd	<0.02	Ta	<0.02		
Cd	<1	Hf	<0.02	Ni	<0.02	Tb	<0.02		
Ca	<5	Ho	<1	Pb	<5	Te	<0.02		
Ce	<0.02	In	<0.02	Pr	<0.02	Th	<0.02		
Co	<0.05	Ir	<0.02	Pt	<0.02	Ti	<1		
Cr	<0.1	K	<1	Rb	<0.02	Tl	<0.02		
Cs	<0.02	La	<3	Re	<0.02	Tm	<0.02		
Cu	<0.1	Li	<0.02	Rh	<0.02	U	<0.1		
Dy	<0.02	Lu	<0.02	Ru	<0.02	V	<0.05		

490 Wando Park Blvd.
Mt. Pleasant, South Carolina 29464
Phone: 1.843.881.6560
Toll Free: 1.800.343.5319
FAX: 1.843.881.3964
www.environmentalexpress.com



000000208

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle and is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: June 8, 2009

Shipped Date: May 21, 2010

Expiration Date: November 21, 2011

Amy Adams, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

July 6, 2009

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

000000209

Analytical Standard Record

A4 SCIENTIFIC, INC.

A001015

Description:	CLP MS-SPK	Expires:	02/01/11
Standard Type:	Other	Prepared:	01/03/10
Solvent:	NONE	Prepared By:	LAKSHMI TEERUPALLI
Final Volume (mls):	1	Department:	RECEIVING
Vials:	1	Last Edit:	01/20/10 10:32 by SLT

CLP MS-SPK

Analyte	CAS Number	Concentration	Units
			ug/mL

Kishore 01/04/10

Reviewed By Date

000000210

A001015

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 732.901.1900
fax: 732.901.1903
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLP-MS-SPK

Lot Number: **A2-MEB194119**

Matrix: 3.5% HNO3(abs)

200.00 µg/mL ea:
Al, Ba,

50.00 µg/mL ea:
Co, Mn, Ni, V, Zn,

25.00 µg/mL ea:
Cu,

20.00 µg/mL ea:
Cr3,

10.00 µg/mL ea:
Sb,

5.00 µg/mL ea:
Ag, Be, Cd, Tl,

4.00 µg/mL ea:
As,

2.00 µg/mL ea:
Pb,

1.00 µg/mL ea:
Se

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.6 ± 0.6 µg/mL	Antimony, Sb	10.00 ± 0.03 µg/mL	Arsenic, As	4.007 ± 0.012 µg/mL
Barium, Ba	200.5 ± 0.3 µg/mL	Beryllium, Be	4.989 ± 0.010 µg/mL	Cadmium, Cd	4.990 ± 0.015 µg/mL
Chromium+3, Cr3	20.05 ± 0.08 µg/mL	Cobalt, Co	49.84 ± 0.10 µg/mL	Copper, Cu	24.97 ± 0.05 µg/mL
Lead, Pb	2.001 ± 0.004 µg/mL	Manganese, Mn	49.92 ± 0.10 µg/mL	Nickel, Ni	49.90 ± 0.11 µg/mL
Selenium, Se	1.001 ± 0.004 µg/mL	Silver, Ag	5.008 ± 0.015 µg/mL	Thallium, Tl	5.014 ± 0.010 µg/mL
Vanadium, V	50.02 ± 0.13 µg/mL	Zinc, Zn	49.92 ± 0.18 µg/mL		

Certified Density: 1.027 g/mL (measured at 22° C)

A001015

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohn doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001:2000 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025:2005 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 - 2000 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 11, 2007

Expiration Date: EXPIRES 01 FEB 2011

Stability Testing Note: This solution is a newly designed product undergoing stability testing. You will be notified if any chemical instability is observed.

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-71-10	**Analyst:** SJ
Solution Name: LCS for ICMV1.2	
Dilution Solvent Name: DI water ~~6-25-10~~ / HNO3	**Dilution Solvent ID #:** ~~877-264-10~~ 15/6-30-10
Prep Date: 6-25-10 ~~6-25-10~~	**Total Vol. (ml):** 1000
Expiration Date: 7-24-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Environmental Express	Contract Required Detection Limits	ICLRDL-100	A003040	6-120	1000	6-120
	Pb	HP100028-1	A001004	1000	14	14
	Se	HP100049-1	A901020		60	60
	Tl	HP100058-1	A901019		30	30
	Zn	HP100068-1	A006037		80	80
	Al	HP10M1-1	A901011	10,000	40	400
	Ca	HP10M9-1	A901005		1000	10,000
	Mg	HP10M31-1	A904004		1000	10,000
	Fe	HP10M26-1	A901010		20	200
	Na	HP10M52-1	A901012		1000	10,000
	K	HP10M41-1	A006036		1000	10,000
	Ba	HP10M4-1	A901018	1000	400	400
BDH	HNO3	87003-260	A003026	neat	20	2% v/v

NOTES LCS is two times CRI.

REVIEWER: SJ DATE: 06-30-10

000000213

Analytical Standard Record

A4 SCIENTIFIC, INC.

A910002

Description:	LCS-S	Expires:	10/05/11
Standard Type:	Other	Prepared:	10/06/09
Solvent:	NONE	Prepared By:	LAKSHMI TEERUPALLI
Final Volume (mls):	1	Department:	RECEIVING
Vials:	1	Last Edit:	10/07/09 10:24 by SLT

LCS0405

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 10/07/09

QATS INORGANIC REFERENCE MATERIAL
SOLID LABORATORY CONTROL SAMPLE
LCS-S (0405)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analysis.

Contains Metals and Heavy Metals

Material Safety Data Sheets Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a solid reference material composed of soil which contains various concentrations of metal analytes.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

The solid laboratory control sample, LCS-S (0405) was prepared by the Quality Assurance Technical Support (QATS) Laboratory operated by Shaw Environmental, Inc. under contract to the EPA. The "Certified Value" concentrations of the elements in the LCS-S are listed in Table 1. The values are certified in that all results used in calculating the certified values and control limits were derived from statistically pooled results from an EPA multi-laboratory study using Contract Laboratory Program procedures.

QATS INORGANIC REFERENCE MATERIAL
SOLID LABORATORY CONTROL SAMPLE
LCS-S (0405)

TABLE 1: "CERTIFIED VALUE" CONCENTRATIONS AND CONTROL LIMITS FOR THE ELEMENTS IN THE SOLID LABORATORY CONTROL SAMPLE, LCS-S (0405)			
Element	"Certified Value" (mg/Kg)	Control Limits (mg/Kg)	
		Low Limit	High Limit
Al	115	54.7	175
Sb	66.0	27.6	104
As	253	154	352
Ba*	[1.6]	1.0	2.2
Be	4.9	3.0	6.8
Cd	10.9	7.7	14.0
Ca	44200	30300	58200
Cr	27.1	18.5	35.7
Co	37.4	24.2	50.6
Cu	1770	1320	2230
Fe	6470	4280	8660
Pb	56.9	41.4	72.4
Mg	29200	20500	37900
Mn	61.0	41.6	80.5
Hg	3.59	1.86	5.32
Ni	16.3	9.0	23.7
K*	[39.7]	0	85.3
Se	10.0	4.1	15.9
Ag	5.9	2.7	9.1
Na*	[72.5]	0	216
Tl	9.5	2.9	16.1
V	17.6	11.6	23.7
Zn	47.5	20.5	74.4

[ ] Denotes values which are greater than or equal to the method detection limit (MDL), but less than the Contract Required Quantitation Limit (CRQL).

* Barium, potassium, and sodium are present at concentrations below ILM05.x CRQLs. Acceptance limits are advisory only.

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003016

Description:	ICV5-0508	Expires:	09/05/11
Manufacturer:	QATS	Received:	03/09/10
Manufacturerer's Lot #:	ICV5-0508	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT# 08-003	Supplier Cat#:	RECEIVING
# of Containers:	1	Last Edit:	03/09/10 10:43 by DC

CAT# 08-003

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By Smu

Date 03/09/10.

000000217

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

CAUTION: Read instructions carefully before opening bottles and proceeding with the analysis.

May Contain Metals or Cyanide in Dilute Acidic or Basic Aqueous Solutions

Material Safety Data Sheets Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is one or more aqueous inorganic reference material(s) containing various analyte concentrations. ICV-1, ICV-2, ICV-3, ICV-4, and ICV-5 are in a matrix of dilute acid. ICV-6 is a dilute basic solution.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (0307) — For ICP-AES use, dilute the ICV-1 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50 fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20 fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10 fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (0508) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100 fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100 fold with Type II water; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-4 (0499)	
Element	Concentration (µg/L) (after 10 fold dilution)
Cd	98.7
Pb	99.8
Ag	101.9
Tl	98.8

ICV-5 (0508)	
Element	Concentration (µg/L) (after 100 fold dilution)
Hg	4.0

ICV-6 (0400)	
Element	Concentration (µg/L) (after 100 fold dilution)
CN-	99

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-19-10	Analyst: SM
Solution Name: 1ppm Hg Sol'n	
Dilution Solvent Name: 0.15% HNO_3	Dilution Solvent ID #: 852-18-10
Prep Date: 06-16-10	Total Vol. (ml): 50
Expiration Date: 12-15-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
	Hg		A912002	1003± 10µg/ml	50	1.0 ppm

SM 06/16/10

NOTES

REVIEWER: SJ

DATE: 6-17-10

000000221

Analytical Standard Record

A4 SCIENTIFIC, INC.

A912002

Description:	AAHG1-1	Expires:	~~01/12/10~~ 12/01/10 SM 01/31/10
Standard Type:	Other	Prepared:	11/23/09
Solvent:	NONE	Prepared By:	LAKSHMI TEERUPALLI
Final Volume (mls):	1	Department:	RECEIVING
Vials:	1	Last Edit:	12/01/09 17:53 by SLT

AAHG1-1

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 12/01/09 Date

000000222

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com
tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: A4-STD-1

Lot Number: **C2-MEB313054**

Matrix: 5% HNO3(v/v)

10.00 µg/mL ea:
Ba, Be, Bi, Co, Cs, In, Li, Ni, Pb, U

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.03 µg/mL	Beryllium, Be	10.02 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.03 µg/mL
Cesium, Cs	10.00 ± 0.03 µg/mL	Cobalt, Co	9.98 ± 0.02 µg/mL	Indium, In	10.00 ± 0.05 µg/mL
Lead, Pb	10.00 ± 0.03 µg/mL	Lithium, Li	9.99 ± 0.06 µg/mL	Nickel, Ni	9.99 ± 0.02 µg/mL
Uranium, U	9.98 ± 0.03 µg/mL				

Certified Density: 1.026 g/mL (measured at 22° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.8 ± 0.1
235U	0.25 ± 0.05

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	070222	Ba	Gravimetric		See Sec. 4.2
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Bi	Calculated		See Sec. 4.2	Bi	ICP Assay	3106	991212
Co	EDTA	928	928	Co	ICP Assay	3113	00630
Cs	Gravimetric		See Sec. 4.2	Cs	IC Assay	3111a	050614
In	ICP Assay	3124a	991219	In	EDTA	928	928
Li	ICP Assay	3129a	000505	Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	000612	Ni	EDTA	928	928
Pb	EDTA	928	928	Pb	ICP Assay	3128	030721
U	Calculated		See Sec. 4.2	U	ICP Assay	3164	891509

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability No. 822/269558-04. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohn doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001:2000 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025:2005 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 - 2000 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 20, 2009

Expiration Date: EXPIRES 01 DEC 2010

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Brenda Francis, Product Documentation Technician

Certificate Approved By: Madeline Gozzi, Quality Control Supervisor

Madeline Gozzi

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

Paul R Gaines

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-96-10	**Analyst:** [signature]
Solution Name: $SnCl_2$ Sol^n for Hg	
Dilution Solvent Name: D.I. water	**Dilution Solvent ID #:** NA
Prep Date: 06-29-10	**Total Vol. (ml):** 2000
Expiration Date: 12-28-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
J.T. Baker	$SnCl_2$	3980-01	A905017	neat	22g	–
B.D.H	HCl	87003-252	A00 3025	–	60ml	3% V/V

[signature] 06/29/2010

NOTES

REVIEWER: [signature] DATE: 6-29-10

000000226

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A905017

Description:	Stannous Chloride Dihydrate, Crystal	Expires:	11/08/14
Manufacturer:	JT Baker	Received:	05/06/09
Manufacturerer's Lot #:	G45629	Supplier:	SREE LAKSHMI TEERUPALLI
Manufacturerer's Cat #:	3980-01	Supplier Cat#:	RECEIVING
# of Containers:	4	Last Edit:	05/12/09 18:16 by SLT

3980-01

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By

5/12/09
Date

000000227

Stannous Chloride, Dihydrate, Crystal

A905017

BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(tin(II) chloride, dihydrate)

Product No. 3980
Lot No. G45629
Release Date 11/06/2008

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Meets Reagent Specifications for testing USP/NF monographs		
Assay ($SnCl_2 \cdot 2H_2O$)	98.0 - 103.0 %	100.9 %
Solubility in HCl	Passes Test	Passes Test
Sulfate (SO_4)	Passes Test	Passes Test
Calcium (Ca)	0.005 % max.	0.002 %
Iron (Fe)	0.003 % max.	0.002 %
Lead (Pb)	0.01 % max.	0.005 %
Magnesium (Mg)	0.01 % max.	< 0.001 %
Potassium (K)	0.005 % max.	0.0005 %
Sodium (Na)	0.01 % max.	0.004 %
Trace Impurities (in ppm):		
Arsenic (As)	2 max.	< 2
Mercury (Hg)	0.05 max.	< 0.001
For Laboratory, Research or Manufacturing Use		
Country of Origin: USA		

ISO
Phillipsburg, NJ ISO 9001:2000 & 14001:1996
Paris, KY ISO 9001:2000
Mexico City, Mexico ISO 9001:2000
Deventer, Holland ISO 9001:2000 & 14001:1996
Selangor, Malaysia ISO 9001:2000

Mary M. Mattox
Mary M. Mattox
Director, Quality Assurance
Chemical & Analytical Products

For questions on this Certificate of Analysis please contact Technical Services at 1-800-582-2537 or 908-859-2151
Mallinckrodt Baker, Inc. • 222 Red School Lane • Phillipsburg, NJ 08865 • Phone: 908.859.2151 • Fax: 908.859.6905

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003024

Description:	SULFURIC ACID	Expires:	07/09/12
Manufacturer:	VWR	Received:	03/12/10
Manufacturerer's Lot #:	1031-VWMG41	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT#87003-272	Supplier Cat#:	RECEIVING
# of Containers:	4	Last Edit:	03/15/10 08:05 by DC

CAT#87003-272

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 03/15/10 Date

229

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-18-10	Analyst: SM
Solution Name: 0.15% HNO_3	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-16-10	Total Vol. (ml): 100 ml
Expiration Date: 12-15-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
B.D.H	HNO_3	87083-260	A003026	neat	150	0.15% v/v

SM 06/16/10

NOTES

REVIEWER: S S

DATE: 6-17-10

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003026

Description:	NITRIC ACID	Expires:	12/17/12
Manufacturer:	VWR	Received:	03/12/10
Manufacturerer's Lot #:	10101-VMNG41	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	87003-260	Supplier Cat#:	RECEIVING
# of Containers:	12	Last Edit:	03/15/10 08:11 by DC

87003-260

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By [illegible] Date 03/15/10

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-34-10	Analyst: SM
Solution Name: $NH_2OH.HCl$ - NaCl for Hg	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-25-10	Total Vol. (ml): 1000
Expiration Date: 12-24-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
S.T. Baker	$NH_2OH.HCl$	2196-01	A905016	neat	120 g	–
E.M.D	NaCl	7710	A003021	neat	120 g	–

SM 06/25/10

NOTES

REVIEWER: SS DATE: 6-28-10

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003021

Description:	SODIUM CHLORIDE	Expires:	09/06/12
Manufacturer:	VWR	Received:	03/09/10
Manufacturerer's Lot #:	2029B446	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT# EM-7710	Supplier Cat#:	RECEIVING
# of Containers:	8	Last Edit:	03/10/10 13:09 by DC

CAT# EM-7710

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By Prel — Date 3/10/10

233

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A905016

Description:	Hydroxylamine Hydrochloride, Crystal	Expires:	11/08/14
Manufacturer:	JT Baker	Received:	05/06/09
Manufacturerer's Lot #:	G42610	Supplier:	SREE LAKSHMI TEERUPALLI
Manufacturerer's Cat #:	2196-01	Supplier Cat#:	RECEIVING
# of Containers:	4	Last Edit:	05/12/09 18:15 by SLT

2196-01

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 5/12/09 Date

234

Hydroxylamine Hydrochloride, Crystal

A905016.

BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

Product No. 2196
Lot No. G42610
Release Date 10/16/2008

Certificate of Analysis

Test	Specification	Result
Exceeds A.C.S. Specifications		
Assay ($NH_2OH{\cdot}HCl$) (by $KMnO_4$ titrn)	96.0 % min.	99.2 %
Clarity of Alcohol Solution	Passes Test	Passes Test
Residue after Ignition	0.05 % max.	< 0.01 %
Titrable Free Acid (meq/g)	0.25 max.	0.1
Ammonium (NH_4)	Passes Test	Passes Test
Sulfur Compounds (as SO_4)	0.005 % max.	< 0.005 %
Trace Impurities (in ppm):		
Heavy Metals (as Pb)	5 max.	< 3
Iron (Fe)	5 max.	< 3
Mercury (Hg)	0.05 max.	< 0.05
For Laboratory, Research or Manufacturing Use		
Country of Origin: REPUBLIC OF CHINA		

ISO

For questions on this Certificate of Analysis please contact Technical Services at 1-800-582-2537 or 908-859-2151
Mallinckrodt Baker, Inc. • 222 Red School Lane • Phillipsburg, NJ 08865 • Phone: 908.859.2151 • Fax: 908.859.6905

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-33-10	Analyst: [illegible]
Solution Name: $K_2S_2O_8$ for Hg	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-25-10	Total Vol. (ml): 1000
Expiration Date: 12-24-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
J.T. Baker	$K_2S_2O_8$	3239-01	(A912006)	neat	50g	5% w/v
			[illegible] 06/25/10			

NOTES

REVIEWER: SS

DATE: 6-28-10

Analytical Standard Record

A4 SCIENTIFIC, INC.

A912006

Description:	POTASSIUM PERSULFATE	Expires:	11/30/15
Standard Type:	Other	Prepared:	11/23/09
Solvent:	NONE	Prepared By:	LAKSHMI TEERUPALLI
Final Volume (mls):	1	Department:	RECEIVING
Vials:	2	Last Edit:	12/01/09 18:06 by SLT

3239-01

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By 12/01/09 Date

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-32-10	Analyst: SM
Solution Name: $KMnO_4$ for Hg	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-25-10	Total Vol. (ml): 2000
Expiration Date: 12-24-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
J.T. Baker	$KMnO_4$	3227-01	A80406	neat	100 g	5% V/V

SM 06/25/2010

NOTES

REVIEWER: SS

DATE: 6-28-10

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A809006

Description:	Potassium Permanganate	Expires:	09/09/14
Manufacturer:	J.T.Baker	Received:	09/10/08
Manufacturerer's Lot #:	G10663	Supplier:	SREE LAKSHMI TEERUPALLI
Manufacturerer's Cat #:	3227-01	Supplier Cat#:	RECEIVING
# of Containers:	6	Last Edit:	09/10/08 10:53 by SLT

3227-01

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By: Sree Date: 09/11/08

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-25-10	Analyst: SM
Solution Name: 3% HCl Sol'n	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-25-10	Total Vol. (ml): 1000
Expiration Date: 12-24-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
~~J.T. Baker~~ BDH	HCl	87003-252	(A003025)	37%	30 ml	3% V/V
SM 06/25/10						
			SM 06/25/10			

NOTES

REVIEWER: SS DATE: 6-28-10

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Department: Metals			
Effective	Area	Type	Number-Version	RCN
23-Mar-2008	QA	FORM	6FORM15-A	852-0520

Solution Number: 852-47-10	Analyst: [signature]
Solution Name: 3% HCl Soln	
Dilution Solvent Name: D.I. water	Dilution Solvent ID #: NA
Prep Date: 06-29-10	Total Vol. (ml): 2000
Expiration Date: 06-30-10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
B.D.H	HCl	82003-252	(A003025)	neat	60 ml	3% V/V

[signature] 06/29/2010

NOTES

REVIEWER: [signature] DATE: 6-29-10

Analytical Standards & Reagents Receiving Record

A4 SCIENTIFIC, INC.

A003025

Description:	HYDROCHLORIC ACID	Expires:	11/12/12
Manufacturer:	VWR	Received:	03/12/10
Manufacturerer's Lot #:	10401-VMNG41	Supplier:	Devi Chinnam
Manufacturerer's Cat #:	CAT# 87003-252	Supplier Cat#:	RECEIVING
# of Containers:	8	Last Edit:	03/15/10 08:08 by DC

CAT# 87003-252

Analyte	CAS Number	Concentration	Units
			ug/mL

Reviewed By [signature] Date 03/15/10

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

pH / Corrosivity Run Log

Effective	Area	Type	Number-Version	RCN
03-Feb-2010	Wet Chem	FORM	5FORM02-B	831-0203

Instrument ID: _____

BATCHES(S): — SEQUENCE: — CALIBRATION: —

ANALYTICAL METHOD (circle one): 150.1 9040B 9045C CLP Other:

SOP: 5S0p043 START DATE/TIME: 6-23-10 1120 END DATE/TIME: 6-23-10 1230

SERIAL NUMBER	LAB SAMPLE ID	CLIENT SAMPLE ID	pH	STANDARDS ID, pH & COMMENTS
1	0012361-01	MF3J J4	<2	6-23-10
2	-02	-J5	<2	
3	-03	-J6	<2	
4	-04	-J7	<2	
5	-05	-J8	<2	
6	-06	-K2	<2	
7	-07	-L1	<2	
1	0012383-01	MF3J J2	<2	6-24-10
2	-02	-J3	<2	
3	-03	-J9	<2	
4	-04	-K0	<2	
5	-05	-K3	<2	
6	-06	-K4	<2	
7	-07	-K5	<2	
1	0012357-01	MF3J K1	<2	6-25-10
2	-02	-K6	<2	
3	-03	-K7	<2	
4	-04	-K8	<2	
5	-05	-K9	<2	
6	-06	-L0	<2	

* For CLP, if pH of a water sample is equal to or greater than 2 for metals or less than 12 for Cyanide samples notify SMO and wait for resolution before proceeding with analysis of samples.

NOTES: _____

ANALYST/DATE: JS / 6-25-10 REVIEWER/DATE: SM 06-30-10

FedEx Express US Airbill 8705 3693 5480 0200 Form ID No. FedEx Retrieval Copy

1 From

Date 06-22-10 *Sender's FedEx Account Number 3529 7878 7

Sender's Name: April Palmie Ph: 512-239-4152

Company: TCEQ

Address: 12100 Park 35 Circle MC-136
Austin, TX 78753
Fex Ex Acct: 3529 7878 7

Dept./Floor/Suite/Room

City State ZIP

Kim 6/22/10 10:00

2 Your Internal Billing Reference 70848

3 To

Recipient's Name: Laxmi Teerupalli Phone: 281-292-5277

Company: A4

Address: 1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

We cannot deliver to P.O. boxes or P.O. Z

Dept./Floor/Suite/Room

Address

Print FedEx location address here if a HOLD option is selected.

City State ZIP

8705 3693 5480

4a Express Package Service *To most locations. *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 1Day Freight Tracking No.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

6 Special Handling and Delivery Signature Options

3 [ ] **SATURDAY DELIVERY**

[X] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages 1 Total Weight 98 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

554

Rev. Date 2/08•Part #158281•©1994–2008 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

12361-A

247

FedEx Express US Airbill 8705 3693 5491 0200 Form ID No. **FedEx Retrieval Copy**

1 From Date 6/23 Sender's FedEx Account Number 3529 7878 7

Sender's Name April Palmie Ph: 512-239-4152

Company TCEQ

Address 12100 Park 35 Circle MC-136

Austin, TX 78753

Fex Ex Acct: 3529 7878 7

Dept./Floor/Suite/Room

City State ZIP

2 Your Internal Billing Reference 70848

3 To Recipient's Name Laxmi Teerupalli Phone: 281-292-5277

Company A4

Address 1544 Sawdust Road, Suite 505

The Woodlands, TX 77380

We cannot deliver to P.O. boxes or

Dept./Floor/Suite/Room

Address

Print FedEx location address here if a HOLD option is selected.

City State ZIP

8705 3693 5491

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 1Day Freight Booking No.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

6 Special Handling and Delivery Signature Options

3 [ ] **SATURDAY DELIVERY**

[X] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain Recip. Acct. No. [ ]

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages Total Weight lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

554

Rev. Date 2/09•Part #158281•©1994–2008 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

12388-A

245

246

FedEx Express *US Airbill* 8705 3693 5470 0200 Form ID No. (6W) RM. **FedEx Retrieval Copy**

1 From Date 6/24 Sender's FedEx Account Number 3529 7878 7

Sender's Name

Company

Address

Dept./Floor/Suite/Room

City State ZIP

April Palmie Ph: 512-239-4152
TCEQ
12100 Park 35 Circle MC-136
Austin, TX 78753
Fex Ex Acct: 3529 7878 7

2 Your Internal Billing Reference 70848

3 To Recipient's Name

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Laxmi Teerupalli Phone: 281-292-5277
A4
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

HOLD Saturday
at FedEx location address below.
Available ONLY for FedEx Priority Overnight, FedEx 2Day to select locations.

Address
Print FedEx location address here if a HOLD option is selected.

City State ZIP

8705 3693 5470

4a Express Package Service * To most locations. *Packages up to 150 lbs.*[1]

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 1Day Freight Booking No.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak*. Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

6 Special Handling and Delivery Signature Options

3 [ ] **SATURDAY DELIVERY**

[X] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages 1 Total Weight 105 lbs. Credit Card Auth.

[1] Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

554

Rev. Date 2/08•Part #158281•©1994–2008 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

247

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	0845		X

Station Location

Samplers (Signatures) Shelley Shuter

Tag Number 6-345268

Lab Sample No. L M H

Conc 12393-03

Remar

Oil and Grease | Dioxi | Asbe | TCLP | Alkali | Cyani | Pestic | Semi | Volatil

Preservative: Yes ☐ No ☐

Case: 40275 Analysis:TM/HG
Sample #: (GW-46) MF3JK7
Ground Water Preserv: HNO3
Tag #: 6-345268 Conc: L

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	0858		X

Station Location

Samplers (Signatures) Shelley Shuter

Tag Number 6-345264

Lab Sample No. L M H

Conc 12393-02

Re

Oil ar | Dioxi | Asbe | TCLP | Alkali | Cyani | Pestic | Semi Volatiles (ABN) | Volatile Organics (VOA)

Preservative: Yes ☐ No ☐

Case: 40275 Analysis:TM/HG
Sample #: (GW-45) MF3JK6
Ground Water Preserv: HNO3
Tag #: 6-345264 Conc: L

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	1000		X

Station Location

Samplers (Signatures) Shelley Shuter

Tag Number 6-345244

Lab Sample No. L H

Concentratio 12393-01

Remarks:

Oil ai | Dioxi | Asbe | TCLP | Alkal | Cyan | Pesti | Semi | Volatile Organics (VOA)

Preservative: Yes ☐ No ☐

Case: 40275 Analysis:TM/HG
Sample #: (GW-40) MF3JK1
Ground Water Preserv: HNO3
Tag #: 6-345244 Conc: L

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	1032		X

Station Location

Samplers (Signatures) Shelley Shuter

Tag Number 6-34527

Pres

Volat

Sem

Pesti

Cyar

Alkal

TCLP

Asbe

Dioxi

Oil a

Rema

Conc

☆U.S. GOVER

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	0818		X

Tag Number: 6-345280

Station Location

Samplers (Signatures): Shelley Shuh

Preservative: Yes ☐ No ☐

Volatile / Semi V / Pesticid / Cyanid / Alkalini / TCLP / Asbest / Dioxin / Oil and Grease

Remarks: 12393-06

Concentr: ☐ L ☐ M ☐ H

Lab Sample No.

Case: 40275 Analysis: TM/HG
Sample #: (GW-49) MF3JL0
Ground Water Preserv: HNO3
Tag #: 6-345280 Conc: L

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/24/10	1120		X

Tag Number: 6-345276

Station Location

Samplers (Signatures): Shelley Shuh

Preservative: Yes ☐ No ☐

Volat / Sem / Pest / Cyan / Alka / TCL / Asb / Diox / Oil and Grease

Remarks: 12393-05

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case: 40275 Analysis: TM/HG
Sample #: (GW-48) MF3JK9
Ground Water Preserv: HNO3
Tag #: 6-345276 Conc: L

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code
CLP Case No.

Station No.

Month/Day/Year: 06/23/12

Time: 0830

Designate: Grab X / Comp.

Station Location

Samplers (Signatures)

Preservative:

Yes ☐ No ☐

Volatile Organics (VOA)

Semi-Volatiles (SVOA)

Pesticides

Cyanide

Alkalinity

TCLP

Asbestos

Dioxin

Oil and Grease

Remarks:

Concentration: ☐ L ☐ M ☐ H

12383-04

Tag Number: 6- 345240

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code
CLP Case No.

Station No.

Month/Day/Year: 06/23/12

Time: 12:22

Designate: Grab X / Comp.

Station Location

Samplers (Signatures)

Preservative:

Yes ☐ No ☐

Volatile Organics (VOA)

Semi-Volatiles (SVOA)

Pesticides

Cyanide

Alkalinity

TCLP

Asbestos

Dioxin

Oil and Grease

Remarks:

Concentration: ☐ L ☐ M ☐ H

12383-05

Tag Number: 6- 345252

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

250

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/23/10	1535		X

Tag Number: 6- 345260

Station Location

Samplers (Signatures): Dean Perkins

Preservative: Yes ☐ No ☐

Volatile Organics (VOA) | Semi-Volatiles (ABN) | Pesticides/PCB | Metals | Cyanide | Alkalinity/Hardness | TCLP | Asbestos | Dioxin | Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-44) MF3JK5
Ground Water Preserv: HNO3
Tag #: 6-345260 Conc: L

Remarks: 12383-07

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/23/10	0948		X

Tag Number: 6- 345236

Station Location

Samplers (Signatures): Dean Perkins

Preservative: Yes ☐ No ☐

Volatile Organics (VOA) | Semi-Volatiles (ABN) | Pesticides/PCB | Metals | Cyanide | Alkalinity/Hardness | TCLP | Asbestos | Dioxin | Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-38) MF3JK4
Ground Water Preserv: HNO3
Tag #: 6-345236 Conc: L

Remarks: 12383-03

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/23/10	0955		X

Tag Number: 6- 345205

Station Location

Samplers (Signatures): Dean Perkins

Preservative: Yes ☐ No ☐

Volatile Organics (VOA) | Semi-Volatiles (ABN) | Pesticides/PCB | Metals | Cyanide | Alkalinity/Hardness | TCLP | Asbestos | Dioxin | Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-32) MF3JN3
Ground Water Preserv: HNO3
Tag #: 6-345205 Conc: L

Remarks: 12383-02

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/23/10	1454		X

Tag Number: 6- 345

Station Location

Samplers (Signatures): Dean Perkins

☆U.S. GO

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		06/23/10	1100		X

Tag Number: 6- 345201

Station Location

Samplers (Signatures): [illegible]

Preservative: Yes ☐ No ☐

Volatile Organics (VOA)

Semi

Pestic

Cyani

Alkali

TCLP

Asbes

Dioxin

Oil and

Remarks:

Concentrati ☐ L ☐ H

Sample No. 12383-01

Case 40275 Analysis FM/HG
Sample # (GW-31) MF3JJ2
Ground Water Preserv. HNO3
Tag # 345201 Conc. L

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		06/23/10	1400		X

Tag Number: 6- 345256

Station Location

Samplers (Signatures): [illegible]

Preservative: Yes ☐ No ☐

Volatile Organics (VOA)

Semi

Pestic

Cyani

Alkali

TCLP

Asbe

Diox

Oil a

Remarks

Concentr ☐ L ☐ M ☐ H

Lab Sample No. 12383-06

Case 40275 Analysis FM/HG
Sample # (GW-13) MF3JK1
Ground Water Preserv. HNO3
Tag # 345256 Conc. L

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1058

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.

Station Location

Samplers (Signatures)

Preservative:

Yes ☐ No ☐

Volatile Organics (VOA)

Semi Volatiles (ABN)

Pesticides/PCB

Cyanide

Alkalinity/Hardness

TCLP

☐ VOA

☐ ABN

☐ METAL

Asbestos

Dioxin

Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-34) MF3J35
Ground Water Preserv. HNO3
Tag #: 6-345214 Conc. L

Remarks: 12361-02

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345214

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1015

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.

Station Location

Samplers (Signatures)

Preservative:

Yes ☐ No ☐

Volatile Organics (VOA)

Semi Volatiles (ABN)

Pesticides/PCB

Cyanide

Alkalinity/

TCLP

☐ VO

☐ AB

☐ ME

Asbestos

Dioxin

Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-33) MF3J34
Ground Water Preserv. HNO3
Tag #: 6-345209 Conc. L

Remarks: 12361-01

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345209

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1110

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.

Station Location

Samplers (Signatures)

Preservative:

Yes ☐

Volatile O

Semi Vol

Pesticide

Cyanide

Alkalinity

TCLP

☐ VO

☐ AB

☐ MI

Asbestos

Dioxin

Oil and Grease

Case: 40275 Analysis: TM/HG
Sample #: (GW-35) MF3J36
Ground Water Preserv. HNO3
Tag #: 6-345224 Conc. L

12361-03

Remarks:

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345224

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1812

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.: 253

Station Location

Samplers (Signatures)

Preservative: Yes ☐ No ☐

Volatile Organics (VOA)

Semi Volatiles (ABN)

Pesticides/PCB

Cyanide

Alkalinity

TCLP

☐ VOA

☐ ABN

☐ Metals

Asbestos

Dioxin

Oil and

Case: 40275 Analysis: TMHG
Sample #: (GW-41) MF3JK2
Ground Water Preserv: HNO3
Tag #: 6-345248 Conc.

12361-06

Remarks:

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345248

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1535

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.

Station Location

Samplers (Signatures)

Preservative: Yes ☐ No ☐

Volatile Organics (VOA)

Semi

Pesticides

Cyanide

Alkalinity

TCLP

☐

☐

☐

Asbestos

Dioxin

Oil and

Case: 40275 Analysis: TMHG
Sample #: (GW-42) MF3JK3
Ground Water Preserv: HNO3
Tag #: 6-345232 Conc.

12361-05

Remarks:

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345232

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Designate: Grab X | Comp.

Time: 1416

Month/Day/Year: 06/22/10

Station No.

Project Code / CLP Case No.

Station Location

Samplers (Signatures)

Preservative: Yes ☐ No ☐

Volatile Organics (VOA)

Semi

Pesticides

Cyanide

Alkalinity

TCLP

☐

☐

☐

Asbestos

Dioxin

Oil and

Case: 40275 Analysis: TMHG
Sample #: (GW-50) MF3JK4
Ground Water Preserv: HNO3
Tag #: 6-345284 Conc.

12361-07

Remarks:

Concentration: ☐ L ☐ M ☐ H

Tag Number: 6- 345284

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

12361-04

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/22/10	0922		X

Station Location

Samplers (Signatures)

Preservative: _____

Yes ☐ No ☐

Volatile Organics (VOA)	
Semi Volatiles (ABN)	
Pesticides/PCB	
_____ Metals	
Cyanide	
Alkalinity/Acidity	
TCLP	
☐	
☐	
☐	
Asbestos	
Dioxin	
Oil and Grease	

Remarks:

Concentration:

☐ L ☐ M ☐ H

Tag Number: 6- 345228

Lab Sample No.

Case 40275 Analysis: TMEG
Sample # (GW-) MF3617 MF3617
Ground Water Preserved HNO3
Tag # 6-345228 Cooler #

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

12361-02

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		06/22/10	1058		X

Station Location

Samplers (Signatures)

Preservative: _____

Yes ☐ No ☐

Volatile Organics (VOA)	
Semi Volatiles (ABN)	
Pesticides/PCB	
_____ Metals	
Cyanide	
Alkalinity/Acidity	
TCLP	
☐ VO	
☐ AB	
☐ ME	
Asbestos	
Dioxin	
Oil and Grease	

Remarks:

Concentration:

☐ L ☐ M ☐ H

Tag Number: 6- 345213

Lab Sample No.

Case 40275 Analysis: TMEG
Sample # (GW-) MF3615
Ground Water Preserved HNO3
Tag # 6-345213 Cooler #

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

Printed: 6/25/2010 11:11:57AM

Sample Log-in Report

WORK ORDER = 0012361

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : ISM01.2-EPW09035
Project Number : CLP
Courier/Airbill # : Fed Ex / 870536935480
COC/TR # : 6-043013577-062210-0001

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0012361-01	MF3JJ4	Water	1	40275	MF3JJ4	06/22/10 10:15	06/23/10 10:00	ISM01.2 HG	7	1st Sx
		Water						ISM01.2 ICPAES	7	
0012361-02	MF3JJ5	Water	2	40275	MF3JJ4	06/22/10 10:58	06/23/10 10:00	ISM01.2 HG	7	MS/Dup
		Water						ISM01.2 ICPAES	7	
0012361-03	MF3JJ6	Water	1	40275	MF3JJ4	06/22/10 11:10	06/23/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012361-04	MF3JJ7	Water	1	40275	MF3JJ4	06/22/10 09:22	06/23/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012361-05	MF3JJ8	Water	1	40275	MF3JJ4	06/22/10 15:35	06/23/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012361-06	MF3JK2	Water	1	40275	MF3JJ4	06/22/10 12:12	06/23/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012361-07	MF3JL1	Water	1	40275	MF3JJ4	06/22/10 14:16	06/23/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	

Work Order Comments and Special Instructions:

ICP-AES +Hg
Substance Group 11+ Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

00000032

Kim
Reviewed By

6/25/10
Date

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

Printed: 6/28/2010 8:28:21AM

Sample Log-in Report

WORK ORDER = 0012383

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : ISM01.2-EPW09035
Project Number : CLP
Courier/Airbill # : Fed Ex / 870536935491
COC/TR # : 6-043013577-062310-0002

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0012383-01	MF3JJ2	Water	1	40275	MF3JJ4	06/23/10 11:00	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-02	MF3JJ3	Water	1	40275	MF3JJ4	06/23/10 09:55	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-03	MF3JJ9	Water	1	40275	MF3JJ4	06/23/10 08:44	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-04	MF3JK0	Water	1	40275	MF3JJ4	06/23/10 08:30	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-05	MF3JK3	Water	1	40275	MF3JJ4	06/23/10 12:20	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-06	MF3JK4	Water	1	40275	MF3JJ4	06/23/10 14:44	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012383-07	MF3JK5	Water	1	40275	MF3JJ4	06/23/10 15:35	06/24/10 10:00	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	

Work Order Comments and Special Instructions:

ICP-AES +Hg
Substance Group 11+ Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

Kishwe 6/28/10
Reviewed By Date

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

Printed: 6/28/2010 8:27:25AM

Sample Log-in Report

WORK ORDER = 0012393

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : ISM01.2-EPW09035
Project Number : CLP
Courier/Airbill # : Fed Ex / 870536935470
COC/TR # : 6-043013577-062410-0001

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0012393-01	MF3JK1	Water	1	40275	MF3JJ4	06/24/10 10:00	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012393-02	MF3JK6	Water	1	40275	MF3JJ4	06/24/10 08:58	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012393-03	MF3JK7	Water	1	40275	MF3JJ4	06/24/10 08:45	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012393-04	MF3JK8	Water	1	40275	MF3JJ4	06/24/10 10:32	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012393-05	MF3JK9	Water	1	40275	MF3JJ4	06/24/10 11:20	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	
0012393-06	MF3JL0	Water	1	40275	MF3JJ4	06/24/10 08:18	06/25/10 09:45	ISM01.2 HG	7	
		Water						ISM01.2 ICPAES	7	

Work Order Comments and Special Instructions:

ICP-AES +Hg
Substance Group 11+ Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

Kishore 6/28/10

Reviewed By Date

258

12-361-A

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. COOLER

DATE 6/22/10

SIGNATURE

PRINT NAME AND TITLE (Inspector, Analyst or Technician)
G. Harewood

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. COOLER

DATE

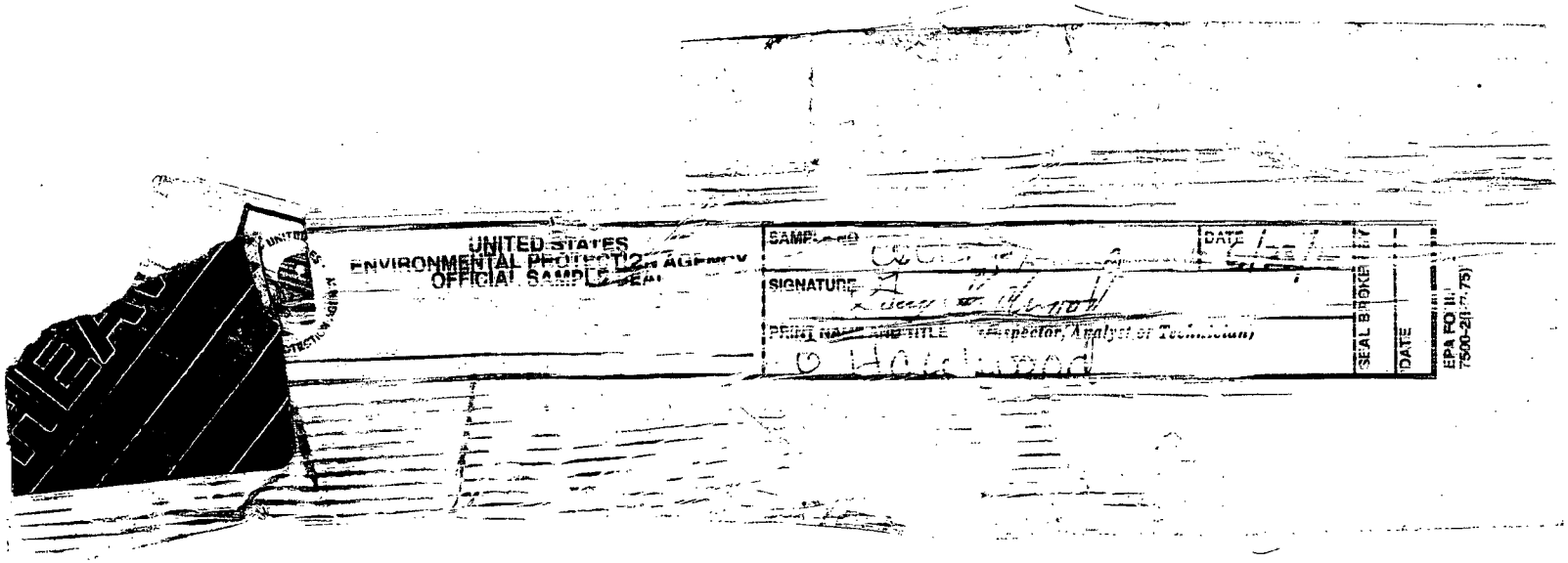
SIGNATURE

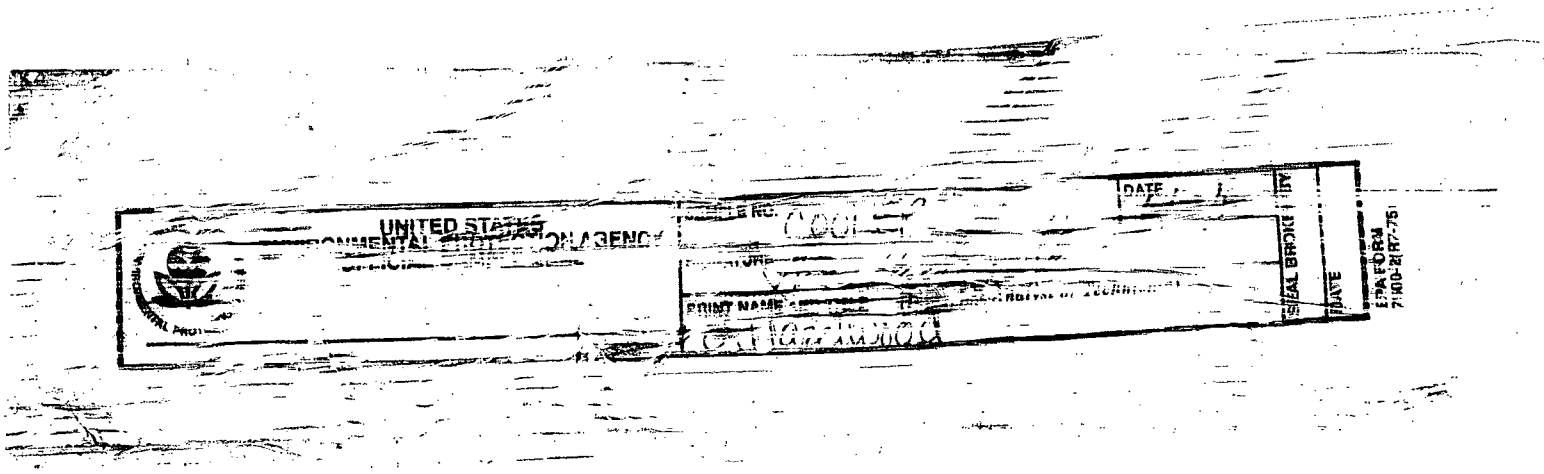
PRINT NAME AND TITLE (Inspector, Analyst or Technician)

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)


UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL
SAMPLED
DATE
SIGNATURE
PRINT NAME AND TITLE (Inspector, Analyst or Technician)
SEAL BROKEN BY
DATE
EPA FORM 7500-2(R-75)


UNITED STATES
DATE
PRINT NAME
SEAL BROKEN BY
DATE
EPA FORM 7500-2(R-75)

12834

259

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler

SIGNATURE

DATE 6/24/10

PRINT NAME AND TITLE (Inspector, Analyst or Technician)

SEAL BROKEN BY

DATE

EPA FORM 7600-2(R7-79)

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler

SIGNATURE

DATE 6/24/10

PRINT NAME AND TITLE (Inspector, Analyst or Technician)

SEAL BROKEN BY

DATE

EPA FORM 7600-2(R7-79)

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

Sample Custody Logbook
COOLER A

Effective	Area	Type	Number-Version	RCN
26-Aug-2009	QA	FORM	6FORM06-A	854-0621

Login Thermometer ID: T70197 Work Order: 0012361 Shelf: C5

Sample Custodian Check in:

SAMPLE ID	CONTAINER TYPE & NO.	DATE/TIME SIGNED IN	SIGNED IN BY	SAMPLE ID	CONTAINER TYPE & NO.	DATE/ TIME SIGNED IN	SIGNED IN BY
12361-01	1-1L plastic	06/23/10	RD				
-02	2-1L plastic	10:45					
03 to	1-1L plastic				RD	06/23/10	
07							

Analyst Checkout/Check in:

SAMPLE ID	CONTAINER TYPE	QUANTITY	SIGNED OUT BY	DATE/ TIME SIGNED OUT	PREP OR ANALYSIS	SIGNED IN BY	DATE/ TIME SIGNED IN	REMARKS
12361-01 to -07	1L plastic	7	SD	6-25-10 11:00	ATD	D	6-25-10 14:00	
				6-29-10 10:00	HG	SD	6-29-10 12:00	
						D	6-30-10	

Container type: 40ml, 2WM, 4WM, 8WM, 16WM, 32WM, 1L Amber, 1gal Amber, 1L Poly, 16 Poly, other:

Empty containers must be returned to the SAMPLE CUSTODIAN and documented as empty.

Reviewer: [signature] Date: 7/2/10

261

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Sample Custody Logbook COOLER A			
Effective	Area	Type	Number-Version	RCN
26-Aug-2009	QA	FORM	6FORM06-A	854-0621

Login Thermometer ID: T70197 Work Order: 0012383 Shelf: D1

Sample Custodian Check in:

SAMPLE ID	CONTAINER TYPE & NO.	DATE/TIME SIGNED IN	SIGNED IN BY	SAMPLE ID	CONTAINER TYPE & NO.	DATE/ TIME SIGNED IN	SIGNED IN BY
12383-01 to 07	1-1L Plastic	6/24/10 13:10	RH				
		RH 06/24/10					

Analyst Checkout/Check in:

SAMPLE ID	CONTAINER TYPE	QUANTITY	SIGNED OUT BY	DATE/ TIME SIGNED OUT	PREP OR ANALYSIS	SIGNED IN BY	DATE/ TIME SIGNED IN	REMARKS
012383-01 to 07	1L plastic	7	SS	6-25-10 11:00	AEJ	SS	6-25-10 18:00	
↓	↓	7	SS	6-28-10 10:00	MG	SS	6-28-10 12:00	
							7/16-20-10	

Container type: 40ml, 2WM, 4WM, 8WM, 16WM, 32WM, 1L Amber, 1gal Amber, 1L Poly, 16 Poly, other:

Empty containers must be returned to the SAMPLE CUSTODIAN and documented as empty.

Reviewer: [signature] Date: 7/18/10

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Sample Custody Logbook COOLER A			
Effective	Area	Type	Number-Version	RCN
26-Aug-2009	QA	FORM	6FORM06-A	854-0621

Login Thermometer ID: T70197 Work Order: 0012393 Shelf: D5

Sample Custodian Check in:

SAMPLE ID	CONTAINER TYPE & NO.	DATE/TIME SIGNED IN	SIGNED IN BY	SAMPLE ID	CONTAINER TYPE & NO.	DATE/ TIME SIGNED IN	SIGNED IN BY
12393-01 to 06	1-1L plastic ↓	6/25/10 10:05	RK				
		RK 06/25/10					

Analyst Checkout/Check in:

SAMPLE ID	CONTAINER TYPE	QUANTITY	SIGNED OUT BY	DATE/ TIME SIGNED OUT	PREP OR ANALYSIS	SIGNED IN BY	DATE/ TIME SIGNED IN	REMARKS
12393-01 to -06	1L plastic	6	"	6-25-10 11:00	AEJ	SS	6-25-10 ~~12:00~~	14:00 Rmy/10
↓	↓	↓	↓	6-28-10 15:00	HG	"	6-28-10 12:00	
						" / 6-30-10		

Container type: 40ml, 2WM, 4WM, 8WM, 16WM, 32WM, 1L Amber, 1gal Amber, 1L Poly, 16 Poly, other:

Empty containers must be returned to the SAMPLE CUSTODIAN and documented as empty.

Reviewer: [signature] Date: 7/2/10