MA - TCLP

1071543 - R8 SDMS

CSF CHAIN OF CUSTODY FORM

U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section

Audit Number: 08-25-08

Case Number: 36948

Date CSF Received: 12/21/07

Site Name: Richardson Flat Tailings

Auditor: Carol Beard

Lab Name: A-4

Date of Audit: 2/12/08

SDG Number: MH23J2

Date of Transfer: 6/10/08

Comments:

Transfer to: Kathryn Hernandez

Affiliation: EPA

Transfer from (AOS): RSCL

CSF Relinquished By:

Print Name	Date	Signature
Carol Beard	6/10/08	Carol Beard

CSF Received By:

Print Name	Date	Signature
SF Rec. Center	6/10/08	

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

08-25-08

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

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Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH23J2

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Matrix (soil/water): WATER Lab Sample ID: 0008750-02

Level (low/med): LOW Date Received: 12/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	308			P
7440-43-9	Cadmium	242			P
7439-92-1	Lead	2940			P
7439-97-6	Mercury	0.56			CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: TCLP METALS

00000017

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH23L0

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Matrix (soil/water): WATER Lab Sample ID: 0008750-04

Level (low/med): LOW Date Received: 12/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	180			P
7440-43-9	Cadmium	1480			P
7439-92-1	Lead	19800			P
7439-97-6	Mercury	0.52			CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: TCLP METALS

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH23L8

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Matrix (soil/water): WATER Lab Sample ID: 0008750-03

Level (low/med): LOW Date Received: 12/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	13.6			P
7440-43-9	Cadmium	114			P
7439-92-1	Lead	773			P
7439-97-6	Mercury	0.087	J		CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: TCLP METALS

00000001 3

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH23M6

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Matrix (soil/water): WATER Lab Sample ID: 0008750-01

Level (low/med): LOW Date Received: 12/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	298			P
7440-43-9	Cadmium	255			P
7439-92-1	Lead	3000			P
7439-97-6	Mercury	0.23			CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: TCLP METALS

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH24B1

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Matrix (soil/water): WATER Lab Sample ID: 0008750-05

Level (low/med): LOW Date Received: 12/11/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	51.0			P
7440-43-9	Cadmium	4.9	J		P
7439-92-1	Lead	23.2			P
7439-97-6	Mercury	0.067	J		CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: TCLP METALS

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Initial Calibration Verification Source: QATS-ICV

Continuing Calibration Verification Source: HP-CCV

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	996.0	918.41	92	250.0	248.59	99	254.70	102	P
Cadmium	494.0	468.93	95	125.0	127.01	102	127.29	102	P
Lead	996.0	931.40	94	250.0	244.93	98	250.11	100	P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Initial Calibration Verification Source: QATS-ICV

Continuing Calibration Verification Source: HP-CCV

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				250.0	258.74	103			P
Cadmium				125.0	127.71	102			P
Lead				250.0	245.53	98			P

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

00000023

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Initial Calibration Verification Source: QATS-ICV

Continuing Calibration Verification Source: HP-CCV

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	4.1	3.62	88	5.0	4.88	98	4.73	95	CV

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

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG No.: MH23J2

CRQL Check Standard Source: HP-CRDL

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Arsenic	10.0	8.47 J	85	9.48 J	95
Cadmium	5.0	5.03	101	4.85 J	97
Lead	10.0	12.64	126	12.13	121

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG No.: MH23J2

CRQL Check Standard Source: HP-CRDL

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.25	125	0.20	100

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

3-IN
BLANKS

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG NO.: MH23J2

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L 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
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Lead	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P

USEPA-CLP

3-IN
BLANKS

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG NO.: MH23J2

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.126	J	0.127	J	0.089	J			0.085	J	CV

00000028

USEPA-CLP

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG NO.: MH23J2

ICP-AES Instrument ID: B-ICAP6500 ICS Source: A(1206) & B(0203)

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Arsenic	0	101	-1.5		92.1	91	-0.11		95.9	95
Cadmium	0	940	2.4		972	103	2.7		968	103
Lead	10.0	61.0	19.2	192	67.0	110	18.1	181	63.5	104

00000029

USEPA-CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH23M6S

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic		335.8150		298.3150		40.00	94		P
Cadmium		292.4550		254.9650		50.00	75		P
Lead		2954.6000		2996.6000		20.00	-210		P
Mercury	75 - 125	0.9812		0.2286		1.00	75		CV

Comments:

00000003B

USEPA-CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MH23M6D

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

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

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

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic		298.3150		304.4100		2		P
Cadmium		254.9650		255.2800		0		P
Lead		2996.6000		2984.3500		0		P
Mercury		0.2286		0.1516	J	41		CV

00000031

USEPA-CLP

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No: SDG NO.: MH23J2

Solid LCS Source:

Aqueous LCS Source: QATS-ICV

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Arsenic	996.0	866.67	87						
Cadmium	494.0	448.64	91						
Lead	996.0	856.94	86						

00000032

USEPA-CLP

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No: SDG NO.: MH23J2

Solid LCS Source:

Aqueous LCS Source: QATS-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury	4.1	3.44	84						

00000033

USEPA-CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MH23M6L

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	298.32		295.26		1		P
Cadmium	254.96		254.98		0		P
Lead	2996.60		3137.88		5		P

00000034

USEPA-CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Instrument Type: CV Instrument ID: A-FIMS100 Date: 12/28/2006

Preparation Method: CW1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Mercury	253.70	0.2	0.05

Comments:

USEPA-CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Instrument Type: P Instrument ID: B-ICAP6500 Date: 07/27/2007

Preparation Method: NP1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Arsenic	189.04	10.0	3.90
Cadmium	228.80	5.0	1.80
Lead	220.35	10.0	4.30

Comments:

00000036

USEPA-CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Instrument Type: P Instrument ID: B-ICAP6500 Date: 07/27/2007

Preparation Method: HW1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Arsenic	189.04	10.0	3.90
Cadmium	228.80	5.0	1.40
Lead	220.35	10.0	2.90

Comments:

USEPA-CLP

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

ICP-AES Instrument ID: B-ICAP6500 Date: 10/14/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Rh
Aluminum	396.15	0.0000000	0.0002330	0.0002300	0.0000900	0.0000000
Antimony	206.83	0.0000480	0.0000070	0.0000310	0.0000000	0.0000000
Arsenic	189.04	0.0000100	0.0000040	-0.0000050	0.0000030	0.0000000
Barium	455.40	0.0000040	0.0000030	0.0000000	0.0000020	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000030	0.0000000	0.0000000
Calcium	317.93	0.0000280	0.0000000	0.0006750	0.0001990	0.0000000
Chromium	267.71	0.0000010	0.0000030	0.0000070	0.0000000	0.0000000
Cobalt	228.61	0.0000020	0.0000010	0.0000180	0.0000000	0.0000000
Copper	324.75	0.0000010	-0.0000010	0.0000070	0.0000000	0.0000000
Iron	259.94	0.0000060	0.0000070	0.0000000	0.0001640	0.0000000
Lead	220.35	0.0001330	0.0000000	0.0000420	0.0000100	0.0000000
Magnesium	279.07	-0.0000110	0.0000100	0.0000010	0.0000000	0.0000000
Manganese	257.61	0.0000010	0.0000030	0.0000120	0.0000250	0.0000000
Nickel	231.60	0.0000030	0.0000030	-0.0000200	0.0000030	0.0000000
Potassium	766.49	0.0000600	0.0001800	-0.0001130	0.0001910	0.0000000
Selenium	196.09	0.0000080	-0.0000030	-0.0000200	0.0000010	0.0000000
Silver	328.06	0.0000000	0.0002700	0.0057060	0.0000070	0.0000000
Sodium	589.59	0.0000400	0.0001630	0.0000240	0.0000490	0.0000000
Thallium	190.85	0.0000070	0.0000020	0.0000130	0.0000030	0.0000000
Vanadium	292.40	0.0000010	0.0000020	0.0000440	-0.0000010	0.0000000
Zinc	206.20	0.0000010	0.0000040	-0.0000190	0.0000300	0.0000000

Comments:

USEPA-CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG NO.: MH23J2

ICP-AES Instrument ID: B-ICAP6500 Date: 10/14/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum	396.15					
Antimony	206.83					
Arsenic	189.04					
Barium	455.40					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.71					
Cobalt	228.61					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.07					
Manganese	257.61					
Nickel	231.60					
Potassium	766.49					
Selenium	196.09					
Silver	328.06					
Sodium	589.59					
Thallium	190.85					
Vanadium	292.40					
Zinc	206.20					

Comments: _____

USEPA-CLP

11-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG NO.: MH23J2

ICP Instrument ID: B-ICAP6500 Date: 10/15/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	15.00	50000.0	P
Cadmium	15.00	50000.0	P
Lead	15.00	50000.0	P

Comments: _____

ILM05.4

USEPA-CLP

12-IN

PREPARATION LOG

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
S0	12/13/2007		50
S0.2	12/13/2007		50
S0.5	12/13/2007		50
S1.0	12/13/2007		50
S2.0	12/13/2007		50
S5.0	12/13/2007		50
S10.0	12/13/2007		50
ICV	12/13/2007		50
ICB	12/13/2007		50
CRI	12/13/2007		50
CCV	12/13/2007		50
CCB	12/13/2007		50
PBW07	12/13/2007		50
LCSW07	12/13/2007		50
MH23M6	12/13/2007		50
MH23M6D	12/13/2007		50
MH23M6S	12/13/2007		50
MH23J2	12/13/2007		50
MH23L8	12/13/2007		50
MH23L0	12/13/2007		50
MH24B1	12/13/2007		50
CRI	12/13/2007		50
CCV	12/13/2007		50
CCB	12/13/2007		50

USEPA-CLP

12-IN

PREPARATION LOG

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: SDG NO.: MH23J2

Preparation Method: HW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBWS0	12/13/2007		50
LCSWS0	12/13/2007		50
MH23M6	12/13/2007		50
MH23M6D	12/13/2007		50
MH23M6S	12/13/2007		50
MH23J2	12/13/2007		50
MH23L8	12/13/2007		50
MH23L0	12/13/2007		50
MH24B1	12/13/2007		50

USEPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG No.: MH23J2

Instrument ID: A-FIMS100 Analysis Method: CV

Start Date: 12/14/2007 End Date: 12/14/2007

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	1.0	1052															X											
S0.2	1.0	1053															X											
S0.5	1.0	1055															X											
S1.0	1.0	1056															X											
S2.0	1.0	1058															X											
S5.0	1.0	1059															X											
S10.0	1.0	1100															X											
ICV	1.0	1102															X											
ICB	1.0	1103															X											
CRI	1.0	1105															X											
CCV	1.0	1106															X											
CCB	1.0	1108															X											
PBW07	1.0	1109															X											
LCSW07	1.0	1110															X											
MH23M6	1.0	1112															X											
MH23M6D	1.0	1113															X											
MH23M6S	1.0	1115															X											
MH23J2	1.0	1116															X											
MH23L8	1.0	1118															X											
MH23L0	1.0	1119															X											
MH24B1	1.0	1120															X											
CRI	1.0	1122															X											
CCV	1.0	1123															X											
CCB	1.0	1125															X											

USEPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: A4 Scientific, Inc. Contract: EPW06057

Lab Code: A4 Case No.: 36948 NRAS No.: _____ SDG No.: MH23J2

Instrument ID: B-ICAP6500 Analysis Method: P

Start Date: 12/17/2007 End Date: 12/17/2007

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	1.0	1012			X			X						X														
S	1.0	1015			X			X						X														
ICV	1.0	1017			X			X						X														
ICB	1.0	1020			X			X						X														
CRI	1.0	1023			X			X						X														
ICSA	1.0	1025			X			X						X														
ICSAB	1.0	1028			X			X						X														
CCV	1.0	1031			X			X						X														
CCB	1.0	1034			X			X						X														
PBWS0	1.0	1036			X			X						X														
LCSWS0	1.0	1039			X			X						X														
MH23M6	1.0	1042			X			X						X														
MH23M6D	1.0	1045			X			X						X														
MH23M6S	1.0	1048			X			X						X														
MH23M6L	5.0	1050			X			X						X														
MH23J2	1.0	1053			X			X						X														
MH23L8	1.0	1056			X			X						X														
MH23L0	1.0	1059			X			X						X														
ZZZZZZ	1.0	1102																										
CCV	1.0	1105			X			X						X														
CCB	1.0	1108			X			X						X														
MH24B1	1.0	1110			X			X						X														
ZZZZZZ	1.0	1113																										
ZZZZZZ	1.0	1116																										
ZZZZZZ	1.0	1119																										
ZZZZZZ	1.0	1122																										
ZZZZZZ	1.0	1124																										
ZZZZZZ	1.0	1127																										
CRI	1.0	1130			X			X						X														
ICSA	1.0	1132			X			X						X														
ICSAB	1.0	1135			X			X						X														
CCV	1.0	1138			X			X						X														
CCB	1.0	1141			X			X						X														

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Instrument Run Log

Instrument ID: B-ICAP6500

Runlog,Logbook (RCN#/Page#): 665-0716 / 117 Analyst/Date: SW 12/17/07.
Method: ILM05.4 SOP: 2 Sop 06 Reviewer/Date: RAP 12/17/07
Sequence: TAL20071217A Analysis Start: 12/17/07 10:12:33
Data File: TAL20071217A.txt Analysis End: 12/17/07 11:41:10

No	Lab Sample	Client Sample	Date	Time	D/F	In2306	Y_2243	Y_3600	Y_3710	Comments
0	S0	S0	12/17/07	10:12:33	1	100	100	100	100	
0	S	S	12/17/07	10:15:16	1	94	97	97	97	
0	ICV1	ICV	12/17/07	10:17:54	1	96	98	99	90	fail Cu
0	ICB1	ICB	12/17/07	10:20:27	1	99	99	100	93	
0	CRDL1	CRI	12/17/07	10:23:12	1	99	98	100	90	
0	ICS-A1	ICSA	12/17/07	10:25:51	1	84	89	92	86	
0	ICS-AB1	ICSAB	12/17/07	10:28:42	1	83	89	92	86	fail Cu
0	CCV1	CCV	12/17/07	10:31:29	1	96	96	100	87	fail Cu
0	CCB1	CCB	12/17/07	10:34:11	1	99	97	101	87	
0	ICPBLKS0	PBWS0	12/17/07	10:36:54	1	99	97	101	86	
0	ICPLCSS0	LCSWS0	12/17/07	10:39:39	1	101	101	100	93	fail Cu
0	0008750-01	MH23M6	12/17/07	10:42:14	1	77 *	83	86	83	> Na
0	0008750-01D	MH23M6D	12/17/07	10:45:08	1	78 *	83	87	85	↓
0	0008750-01S	MH23M6S	12/17/07	10:48:03	1	79 *	86	87	88	↓
0	0008750-01L	MH23M6L	12/17/07	10:50:53	5	90	94	95	92	
0	0008750-02	MH23J2	12/17/07	10:53:41	1	79 *	85	87	91	> Na
0	0008750-03	MH23L8	12/17/07	10:56:33	1	80	86	88	90	> Na
0	0008750-04	MH23L0	12/17/07	10:59:33	1	78 *	84	86	90	> Na, Zn
0	BLANK	BLANK	12/17/07	11:02:36	1	97	97	103	110	
0	CCV2	CCV	12/17/07	11:05:20	1	97	98	98	85	fail Cu, Ca
0	CCB2	CCB	12/17/07	11:08:01	1	99	99	102	97	
0	0008750-05	MH24B1	12/17/07	11:10:46	1	77 *	83	87	77 *	> Na
0	Z0008750-01S	ZMH23M6S	12/17/07	11:13:42	1	77 *	84	89	93	
0	BLANK	BLANK	12/17/07	11:16:33	1	100	98	104	85	
0	BLANK	BLANK	12/17/07	11:19:17	1	99	97	101	90	
0	BLANK	BLANK	12/17/07	11:22:04	1	99	97	101	87	
0	BLANK	BLANK	12/17/07	11:24:48	1	97	95	105	80	
0	ZCRI	ZCRI	12/17/07	11:27:31	1	100	98	102	82	
0	CRDL2	CRI	12/17/07	11:30:12	1	99	97	100	95	
0	ICS-A2	ICSA	12/17/07	11:32:52	1	84	88	91	88	

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Instrument Run Log

Instrument ID: B-ICAP6500

Runlog,Logbook (RCN#/Page#): 665-0716 / 117 Analyst/Date: SW 12/17/07.

Method: ILM05.4 SOP: 2 sop 06 Reviewer/Date: aRB 12/17/07

Sequence: TAL20071217A Analysis Start: 12/17/07 10:12:33

Data File: TAL20071217A.txt Analysis End: 12/17/07 11:41:10

No	Lab Sample	Client Sample	Date	Time	D/F	In2306	Y_2243	Y_3600	Y_3710	Comments
0	ICS-AB2	ICSAB	12/17/07	11:35:41	1	84	88	90	92	
0	CCV3	CCV	12/17/07	11:38:28	1	95	96	98	94	
0	CCB3	CCB	12/17/07	11:41:10	1	99	97	99	97	

Sample Name: S0 Acquired: 12/17/2007 10:12:33 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S0 Dilution: 1 Operator: SRV
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00131**	**-.00007**	**-.00003**	**-.00041**	**.00073**	**.00354**
Stddev	.00005	.00004	.00006	.00022	.00011	.00017
%RSD	3.9273	66.125	208.04	55.232	15.445	4.9306
#1	-.00135	-.00010	-.00008	-.00025	.00081	.00342
#2	-.00127	-.00003	.00001	-.00057	.00065	.00367

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00007**	**-.00011**	**.00006**	**.00049**	**.00001**	**-.00372**
Stddev	.00001	.00002	.00001	.00000	.00016	.00028
%RSD	18.864	17.843	19.666	.06985	2137.9	7.4199
#1	-.00006	-.00013	.00007	.00049	.00012	-.00353
#2	-.00008	-.00010	.00005	.00049	-.00011	-.00392

Sample Name: S0 Acquired: 12/17/2007 10:12:33 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S0 Dilution: 1 Operator: SRV
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00001**	**.00000**	**-.00311**	**-.00015**	**.00004**	**-.00002**
Stddev	.00001	.0000	.00053	.00014	.00011	.00001
%RSD	174.76	65.972	17.057	97.362	274.70	60.749
#1	.00000	.00000	-.00273	-.00025	-.00004	-.00001
#2	.00001	-.00001	-.00348	-.00005	.00012	-.00002

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00002**	**-.00028**	**-.00003**	**.00003**
Stddev	.00003	.00002	.00003	.00001
%RSD	196.46	5.9253	98.445	26.504
#1	-.00004	-.00030	-.00005	.00004
#2	.00001	-.00027	-.00001	.00003

Sample Name: S0 Acquired: 12/17/2007 10:12:33 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S0 Dilution: 1 Operator: SRV
Comment:

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	**7229.4**	**9880.8**	**122490.**	**25806.**
Stddev	8.0	17.6	356.	950.
%RSD	.11087	.17787	.29095	3.6831
#1	7235.1	9893.3	122740.	26478.
#2	7223.7	9868.4	122240.	25134.

Sample Name: S Acquired: 12/17/2007 10:15:16 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S Dilution: 1 Operator: SRV
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18725**	**.42313**	**.04305**	**19.774**	**.93939**	**3.5738**
Stddev	.00160	.04530	.00004	1.020	.10269	.3864
%RSD	.85505	10.706	.10296	5.1563	10.931	10.813
#1	.18839	.39109	.04302	19.053	.86678	3.3006
#2	.18612	.45516	.04308	20.495	1.0120	3.8471

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.37021**	**2.9615**	**.11098**	**.12340**	**.44545**	**.46056**
Stddev	.00052	.0056	.00111	.00142	.04817	.04912
%RSD	.14011	.18842	1.0010	1.1476	10.814	10.665
#1	.37057	2.9655	.11176	.12440	.41139	.42583
#2	.36984	2.9576	.11019	.12240	.47951	.49529

Sample Name: S Acquired: 12/17/2007 10:15:16 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S Dilution: 1 Operator: SRV
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.32623**	**1.7586**	**2.1465**	**1.8036**	**.11637**	**.21700**
Stddev	.03500	.0170	.2310	.0015	.00020	.00004
%RSD	10.728	.96542	10.764	.08499	.17349	.01756
#1	.30149	1.7706	1.9831	1.8047	.11651	.21703
#2	.35098	1.7465	2.3099	1.8025	.11622	.21697

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03021**	**.07118**	**.41124**	**3.2946**
Stddev	.00001	.00021	.00409	.0065
%RSD	.02308	.28848	.99505	.19743
#1	.03021	.07132	.41413	3.2992
#2	.03020	.07103	.40835	3.2900

Sample Name: S Acquired: 12/17/2007 10:15:16 Type: Cal
Method: TAL20071217A Mode: IR Corr. Factor: 1.000000
User: admin Client sample ID: S Dilution: 1 Operator: SRV
Comment:

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	**6794.7**	**9583.0**	**118960.**	**24213.**
Stddev	7.4	.6	694.	2118.
%RSD	.10964	.00613	.58317	8.7467
#1	6789.4	9582.6	118470.	25710.
#2	6799.9	9583.4	119450.	22715.

Sample Name: ICV Acquired: 12/17/2007 10:17:54 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICV Dilution: 1 Operator: SRV
Comment: 1

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**481.13**	**2556.7**	**918.40**	**523.63**	**486.13**	**10219.**
Stddev	1.11	31.9	2.65	6.85	6.08	132.
%RSD	.23046	1.2484	.28810	1.3084	1.2514	1.2928
#1	480.35	2579.2	920.28	528.48	490.43	10312.
#2	481.92	2534.1	916.53	518.79	481.82	10125.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**468.93**	**498.78**	**489.18**	F **431.23**	**5089.8**	**10180.**
Stddev	.64	.31	1.55	.91	64.1	131.
%RSD	.13579	.06281	.31708	.21017	1.2589	1.2842
#1	469.38	499.00	488.08	430.59	5135.1	10273.
#2	468.48	498.56	490.28	431.87	5044.5	10088.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				490.00		
Range				-10.000%		

Sample Name: ICV Acquired: 12/17/2007 10:17:54 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICV Dilution: 1 Operator: SRV
Comment: 1

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**6053.5**	**503.47**	**10174.**	**492.82**	**931.39**	**976.83**
Stddev	61.3	.25	107.	.32	.05	.56
%RSD	1.0126	.04976	1.0533	.06589	.00528	.05784
#1	6096.9	503.30	10250.	492.59	931.36	977.23
#2	6010.2	503.65	10099.	493.05	931.43	976.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**924.26**	**942.71**	**493.26**	**1003.3**
Stddev	1.93	.94	1.19	.3
%RSD	.20910	.09970	.24079	.02498
#1	922.90	942.04	492.42	1003.1
#2	925.63	943.37	494.10	1003.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: ICV Acquired: 12/17/2007 10:17:54 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICV Dilution: 1 Operator: SRV
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	**6975.9**	**9650.1**	**120960.**	**24037.**
Stddev	2.0	6.1	197.	357.
%RSD	.02828	.06361	.16280	1.4845
#1	6974.5	9645.8	121100.	23784.
#2	6977.3	9654.5	120820.	24289.

Sample Name: ICB Acquired: 12/17/2007 10:20:27 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICB Dilution: 1 Operator: SRV
Comment: 21

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.24018**	**11.609**	**-.15188**	**.10213**	**.03463**	**4.9142**
Stddev	.25180	11.885	.12502	.05812	.04394	4.8216
%RSD	104.84	102.38	82.311	56.908	126.91	98.114
#1	.06213	20.013	-.06348	.14322	.00355	8.3236
#2	.41823	3.2047	-.24028	.06103	.06570	1.5049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.00900**	**.03381**	**-.30678**	**-.47547**	**1.1403**	**4.3823**
Stddev	.03071	.01554	.21686	.69872	.0805	17.456
%RSD	341.05	45.944	70.690	146.95	7.0560	398.33
#1	.03072	.02283	-.46012	-.96954	1.1972	16.725
#2	-.01271	.04480	-.15343	.01860	1.0834	-7.9609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 12/17/2007 10:20:27 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICB Dilution: 1 Operator: SRV
Comment: 21

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-7.6932**	**.04990**	**1.6846**	**.00892**	**.94357**	**1.3470**
Stddev	11.711	.11460	2.7758	.16329	.30540	1.0513
%RSD	152.23	229.64	164.77	1830.9	32.367	78.048
#1	-15.974	-.03113	3.6474	-.10655	.72762	2.0904
#2	.5879	.13094	-.27812	.12438	1.1595	.60362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.67321**	**.27663**	**.38647**	**.42912**
Stddev	1.4697	.05304	.14282	.00309
%RSD	218.31	19.173	36.955	.71892
#1	1.7124	.23913	.28548	.43130
#2	-.36601	.31414	.48746	.42694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 12/17/2007 10:20:27 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICB Dilution: 1 Operator: SRV
Comment: 21

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	**7144.9**	**9745.4**	**122830.**	**24668.**
Stddev	10.2	15.8	157.	33.
%RSD	.14291	.16249	.12790	.13303
#1	7152.1	9756.6	122940.	24691.
#2	7137.7	9734.2	122710.	24644.

Sample Name: CRI Acquired: 12/17/2007 10:23:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**9.7349**	**6.6622**	**8.4660**	**.19230**	**5.1656**	**1.9463**
Stddev	.0386	7.7320	.0538	.04363	.0247	.4647
%RSD	.39602	116.06	.63557	22.690	.47776	23.877
#1	9.7076	12.130	8.5041	.16144	5.1482	2.2749
#2	9.7622	1.1948	8.4280	.22315	5.1831	1.6177
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5.0274**	**52.284**	**9.9992**	**21.193**	**.85427**	**3.7138**
Stddev	.0379	.351	.2578	.459	1.1218	12.960
%RSD	.75334	.67193	2.5779	2.1640	131.32	348.98
#1	5.0006	52.533	10.181	21.517	1.6475	-5.4506
#2	5.0542	52.036	9.8169	20.868	.06101	12.878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CRI Acquired: 12/17/2007 10:23:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.3881**	**16.222**	**5.9134**	**41.584**	**12.640**	**61.142**
Stddev	7.8871	.055	.2310	.181	.994	.269
%RSD	330.26	.33675	3.9060	.43535	7.8675	.43968
#1	-3.1889	16.183	6.0767	41.712	13.343	60.951
#2	7.9652	16.260	5.7501	41.456	11.937	61.332
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**32.125**	**26.807**	**51.271**	**61.224**
Stddev	.261	.362	.242	.128
%RSD	.81212	1.3517	.47180	.20970
#1	31.941	27.064	51.442	61.314
#2	32.310	26.551	51.100	61.133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CRI Acquired: 12/17/2007 10:23:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
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	**7139.1**	**9715.7**	**122620.**	**23897.**
Stddev	3.3	.9	41.	32.
%RSD	.04682	.00905	.03323	.13565
#1	7136.8	9715.1	122590.	23874.
#2	7141.5	9716.3	122650.	23920.

Sample Name: ICSA Acquired: 12/17/2007 10:25:51 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.14252**	**251710.**	**-1.4665**	**-2.9523**	**1.4057**	**250000.**
Stddev	.15666	1633.	.7226	.0204	.0498	535.
%RSD	109.92	.64879	49.273	.69033	3.5426	.21382
#1	.25329	252870.	-.95555	-2.9667	1.4409	250380.
#2	.03174	250560.	-1.9774	-2.9379	1.3704	249620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.4447**	**2.8994**	**42.824**	**17.971**	**96611.**	**-116.09**
Stddev	.0962	.0891	.445	.429	202.	2.75
%RSD	3.9358	3.0742	1.0398	2.3849	.20873	2.3708
#1	2.5127	2.8363	43.139	18.274	96468.	-118.03
#2	2.3766	2.9624	42.509	17.668	96753.	-114.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 12/17/2007 10:25:51 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**255340.**	**15.572**	**1607.3**	**18.481**	**19.206**	**-2.2060**
Stddev	471.	.003	14.3	.284	.452	.4243
%RSD	.18436	.01644	.88888	1.5367	2.3559	19.234
#1	255010.	15.574	1597.2	18.682	19.525	-1.9060
#2	255680.	15.571	1617.4	18.280	18.886	-2.5060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**-9.6231**	**-2.1899**	**.65625**	**22.888**
Stddev	.4905	.4425	.09033	.062
%RSD	5.0974	20.208	13.765	.27018
#1	-9.2762	-2.5028	.72013	22.844
#2	-9.9699	-1.8769	.59238	22.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 12/17/2007 10:25:51 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

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	**6048.1**	**8849.0**	**113050.**	**22798.**
Stddev	8.4	7.1	53.	82.
%RSD	.13838	.08030	.04650	.35811
#1	6042.2	8844.0	113020.	22741.
#2	6054.1	8854.1	113090.	22856.

Sample Name: ICSAB Acquired: 12/17/2007 10:28:42 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**197.88**	**249830.**	**92.123**	**510.01**	**483.73**	**249620.**
Stddev	.46	1036.	1.712	3.71	3.08	2941.
%RSD	.23324	.41460	1.8588	.72663	.63769	1.1782
#1	198.21	249100.	90.912	507.39	481.55	247540.
#2	197.56	250560.	93.334	512.63	485.91	251700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**971.64**	**502.61**	**504.07**	F **407.42**	**96489.**	**-116.86**
Stddev	2.75	1.72	.41	.86	566.	25.99
%RSD	.28277	.34122	.08218	.21068	.58685	22.244
#1	973.58	503.82	503.77	408.03	96089.	-135.24
#2	969.70	501.39	504.36	406.82	96889.	-98.476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				657.60		
Low Limit				438.40		

Sample Name: ICSAB Acquired: 12/17/2007 10:28:42 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**255260.**	**505.39**	**1002.6**	**1005.0**	**66.974**	**597.69**
Stddev	1522.	.39	4.2	4.1	1.573	2.46
%RSD	.59632	.07711	.42114	.40627	2.3491	.41148
#1	254180.	505.11	1005.6	1007.8	68.086	599.43
#2	256330.	505.66	999.60	1002.1	65.861	595.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**49.545**	**94.537**	**484.35**	**1010.5**
Stddev	1.914	1.713	.64	3.1
%RSD	3.8632	1.8120	.13305	.30309
#1	48.191	93.326	483.90	1012.7
#2	50.898	95.749	484.81	1008.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 12/17/2007 10:28:42 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

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	**6028.8**	**8790.7**	**113090.**	**22798.**
Stddev	8.9	8.4	142.	118.
%RSD	.14802	.09605	.12530	.51653
#1	6022.5	8784.7	113190.	22881.
#2	6035.1	8796.7	112990.	22715.

Sample Name: CCV Acquired: 12/17/2007 10:31:29 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**585.40**	**5088.4**	**248.59**	**5166.0**	**128.49**	**13535.**
Stddev	3.70	29.2	1.36	.2	1.13	99.
%RSD	.63212	.57456	.54655	.00292	.88293	.73310
#1	588.02	5109.0	249.55	5165.9	129.29	13605.
#2	582.78	5067.7	247.63	5166.1	127.69	13465.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**127.01**	**1249.0**	**480.18**	F **464.52**	**2574.1**	**12959.**
Stddev	.30	2.8	5.11	3.74	23.9	73.
%RSD	.23889	.22077	1.0643	.80471	.92756	.56007
#1	127.22	1250.9	483.79	467.17	2591.0	13010.
#2	126.79	1247.0	476.56	461.88	2557.2	12907.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				625.00		
Range				-10.000%		

Sample Name: CCV Acquired: 12/17/2007 10:31:29 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**12898.**	**1244.5**	**13087.**	**1235.9**	**244.93**	**1257.6**
Stddev	73.	11.9	86.	2.0	1.15	6.7
%RSD	.56817	.95390	.65342	.16058	.46841	.53436
#1	12950.	1252.9	13147.	1237.3	245.74	1262.4
#2	12847.	1236.1	13026.	1234.5	244.12	1252.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**249.84**	**252.25**	**1200.8**	**1265.2**
Stddev	.95	.64	11.0	.3
%RSD	.37886	.25465	.91591	.02524
#1	249.17	252.71	1208.5	1265.4
#2	250.51	251.80	1193.0	1265.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CCV Acquired: 12/17/2007 10:31:29 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

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	**6923.4**	**9514.0**	**122980.**	**22954.**
Stddev	4.2	2.5	970.	28.
%RSD	.06070	.02624	.78872	.12183
#1	6926.4	9515.7	122290.	22935.
#2	6920.5	9512.2	123670.	22974.

Sample Name: CCB Acquired: 12/17/2007 10:34:11 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.4329**	**4.4066**	**-.78258**	**.73775**	**.03671**	**3.9063**
Stddev	.1001	4.8968	.36911	.11533	.03004	1.9230
%RSD	6.9819	111.13	47.166	15.632	81.824	49.229
#1	1.3622	.94400	-1.0436	.81930	.01547	2.5465
#2	1.5037	7.8692	-.52158	.65620	.05795	5.2661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.12926**	**.24923**	**-.16719**	**-1.0760**	**1.3571**	**-30.083**
Stddev	.00693	.01418	.20459	.4225	.2778	.200
%RSD	5.3644	5.6902	122.37	39.267	20.469	.66384
#1	.13416	.25926	-.31185	-1.3748	1.1607	-30.224
#2	.12436	.23920	-.02252	-.77726	1.5535	-29.942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 12/17/2007 10:34:11 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**6.3326**	**.15266**	**8.0503**	**.25920**	**.43925**	**.81803**
Stddev	8.6952	.03632	1.2543	.13903	.50544	.77878
%RSD	137.31	23.792	15.581	53.638	115.07	95.201
#1	.18419	.12698	8.9372	.16089	.08185	1.3687
#2	12.481	.17834	7.1634	.35751	.79665	.26735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.43445**	**.74285**	**.15930**	**.43118**
Stddev	.30379	.29161	.07898	.01438
%RSD	69.925	39.255	49.580	3.3346
#1	.21964	.94905	.10345	.42101
#2	.64926	.53665	.21515	.44135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 12/17/2007 10:34:11 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

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	**7162.6**	**9621.0**	**124600.**	**22937.**
Stddev	13.3	5.3	56.	23.
%RSD	.18579	.05495	.04519	.10028
#1	7153.2	9617.3	124560.	22921.
#2	7172.0	9624.7	124640.	22953.

Sample Name: ICPBLKS0 Acquired: 12/17/2007 10:36:54 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: PBWS0 Dilution: 1 Operator: SRV
Comment: 121

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.1886**	**.40504**	**-1.2937**	**-.08345**	**-.00780**	**2.4767**
Stddev	.4193	12.350	.2319	.05082	.00243	.6274
%RSD	35.279	3049.1	17.928	60.896	31.084	25.334
#1	.89210	9.1378	-1.4577	-.04752	-.00952	2.9203
#2	1.4851	-8.3277	-1.1297	-.11938	-.00609	2.0330
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.04016**	**-.18320**	**-.33188**	**-1.1595**	**.71779**	**22.887**
Stddev	.05483	.02255	.08084	.1652	.81528	26.914
%RSD	136.52	12.307	24.360	14.245	113.58	117.60
#1	-.07893	-.19914	-.38904	-1.2763	.14130	41.918
#2	-.00139	-.16725	-.27471	-1.0427	1.2943	3.8559
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICPBLKS0 Acquired: 12/17/2007 10:36:54 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: PBWS0 Dilution: 1 Operator: SRV
Comment: 121

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-3.2777**	**.08696**	**.67036**	**.04982**	**1.2090**	**1.2144**
Stddev	7.6723	.04734	5.7459	.00981	.2677	.1046
%RSD	234.08	54.439	857.14	19.697	22.146	8.6105
#1	2.1475	.12044	-3.3926	.05676	1.0196	1.1404
#2	-8.7028	.05349	4.7333	.04288	1.3983	1.2883
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.22400**	**.34611**	**.19164**	**.09177**
Stddev	.55482	.66134	.25772	.01664
%RSD	247.68	191.08	134.49	18.138
#1	-.16831	-.12153	.37387	.08000
#2	.61632	.81376	.00940	.10354
Check ?	None	None	None	None
Value				
Range				

Sample Name: ICPBLKS0 Acquired: 12/17/2007 10:36:54 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: PBWS0 Dilution: 1 Operator: SRV
Comment: 121

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	**7144.5**	**9593.7**	**124050.**	**22662.**
Stddev	12.3	4.2	176.	90.
%RSD	.17218	.04404	.14183	.39857
#1	7153.2	9596.7	124180.	22726.
#2	7135.8	9590.7	123930.	22598.

Sample Name: ICPLCSS0 Acquired: 12/17/2007 10:39:39 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: LCSWS0 Dilution: 1 Operator: SRV
Comment: 122

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**446.36**	**2375.3**	**866.67**	**480.17**	**458.94**	**10033.**
Stddev	3.88	174.1	33.21	33.87	32.49	696.
%RSD	.86908	7.3296	3.8318	7.0534	7.0797	6.9374
#1	443.62	2252.2	843.19	456.22	435.97	9540.4
#2	449.11	2498.4	890.15	504.12	481.92	10525.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**448.63**	**468.25**	**464.84**	**347.02**	**4726.6**	**9689.7**
Stddev	18.34	18.31	4.87	3.63	324.7	692.2
%RSD	4.0868	3.9099	1.0482	1.0448	6.8703	7.1436
#1	435.67	455.30	461.39	344.46	4497.0	9200.3
#2	461.60	481.20	468.28	349.59	4956.2	10179.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICPLCSS0 Acquired: 12/17/2007 10:39:39 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: LCSWS0 Dilution: 1 Operator: SRV
Comment: 122

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5698.4**	**489.80**	**9655.8**	**460.17**	**856.93**	**919.04**
Stddev	412.4	4.07	687.2	18.34	36.92	35.16
%RSD	7.2367	.83162	7.1171	3.9858	4.3084	3.8259
#1	5406.8	486.92	9169.8	447.20	830.83	894.18
#2	5989.9	492.68	10142.	473.14	883.04	943.90
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**862.05**	**890.29**	**466.65**	**955.15**
Stddev	32.17	36.18	4.18	38.37
%RSD	3.7319	4.0644	.89569	4.0175
#1	839.30	864.70	463.69	928.02
#2	884.80	915.87	469.61	982.29
Check ?	None	None	None	None
Value				
Range				

Sample Name: ICPLCSS0 Acquired: 12/17/2007 10:39:39 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: LCSWS0 Dilution: 1 Operator: SRV
Comment: 122

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	**7155.5**	**9733.1**	**121450.**	**23802.**
Stddev	246.7	340.1	983.	1316.
%RSD	3.4475	3.4941	.80911	5.5274
#1	7329.9	9973.5	122150.	24733.
#2	6981.0	9492.6	120760.	22872.

Sample Name: 0008750-01 Acquired: 12/17/2007 10:42:14 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6 Dilution: 1 Operator: SRV
Comment: 123

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3.3176**	**280.50**	**298.31**	**790.34**	**.17339**	**132320.**
Stddev	.3914	1.56	.43	5.58	.00152	995.
%RSD	11.798	.55757	.14561	.70562	.87494	.75227
#1	3.0408	281.60	298.62	786.40	.17447	131620.
#2	3.5943	279.39	298.01	794.29	.17232	133030.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**254.97**	**2.0411**	**1.3225**	**152.40**	**84.428**	**25635.**
Stddev	1.01	.0232	.0135	.53	1.727	112.
%RSD	.39685	1.1372	1.0168	.34723	2.0454	.43559
#1	254.25	2.0247	1.3130	152.77	85.649	25556.
#2	255.68	2.0575	1.3320	152.02	83.207	25714.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-01 Acquired: 12/17/2007 10:42:14 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6 Dilution: 1 Operator: SRV
Comment: 123

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**16814.**	**1106.4**	**1123700.**	**23.233**	**2996.6**	**112.28**
Stddev	212.	9.7	1493.	.450	7.5	1.27
%RSD	1.2611	.88102	.13290	1.9374	.25027	1.1345
#1	16664.	1099.5	1124700.	22.915	2991.3	113.18
#2	16964.	1113.3	1122600.	23.552	3001.9	111.38
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**12.327**	**-6.6262**	**.79671**	**38046.**
Stddev	2.842	.0030	.36726	185.
%RSD	23.058	.04519	46.097	.48608
#1	14.336	-6.6283	1.0564	37915.
#2	10.317	-6.6241	.53702	38177.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-01 Acquired: 12/17/2007 10:42:14 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6 Dilution: 1 Operator: SRV
Comment: 123

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	**5564.5**	**8188.7**	**105670.**	**21650.**
Stddev	11.1	9.1	610.	307.
%RSD	.19971	.11126	.57713	1.4172
#1	5572.3	8195.1	106100.	21867.
#2	5556.6	8182.2	105240.	21433.

Sample Name: 0008750-01D Acquired: 12/17/2007 10:45:08 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6D Dilution: 1 Operator: SRV
Comment: 124

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.9325**	**291.03**	**304.41**	**793.37**	**.16206**	**129520.**
Stddev	.4647	13.34	.34	4.34	.00666	767.
%RSD	15.847	4.5847	.11145	.54724	4.1079	.59256
#1	3.2611	300.46	304.17	790.30	.15736	128980.
#2	2.6039	281.59	304.65	796.44	.16677	130060.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**255.28**	**2.1359**	**1.5051**	**165.69**	**83.385**	**25462.**
Stddev	.32	.1123	.1201	1.20	.768	54.
%RSD	.12357	5.2588	7.9796	.72198	.92083	.21101
#1	255.50	2.0565	1.4202	164.85	83.928	25424.
#2	255.06	2.2153	1.5900	166.54	82.842	25500.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-01D Acquired: 12/17/2007 10:45:08 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6D Dilution: 1 Operator: SRV
Comment: 124

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**16486.**	**1117.5**	**1044900.**	**23.667**	**2984.3**	**111.05**
Stddev	163.	4.4	18223.	.233	1.6	1.06
%RSD	.98816	.39321	1.7440	.98307	.05450	.95624
#1	16371.	1114.4	1032100.	23.831	2985.5	110.30
#2	16601.	1120.7	1057800.	23.502	2983.2	111.80
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**10.815**	**-7.7479**	**1.1429**	**38108.**
Stddev	.851	.3456	.1741	64.
%RSD	7.8683	4.4602	15.236	.16756
#1	10.213	-7.9922	1.0197	38153.
#2	11.416	-7.5035	1.2660	38063.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-01D Acquired: 12/17/2007 10:45:08 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6D Dilution: 1 Operator: SRV
Comment: 124

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	**5632.0**	**8252.3**	**106000.**	**22405.**
Stddev	13.8	18.5	292.	327.
%RSD	.24538	.22471	.27520	1.4617
#1	5622.2	8239.2	106200.	22636.
#2	5641.7	8265.4	105790.	22173.

Sample Name: 0008750-01S Acquired: 12/17/2007 10:48:03 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6S Dilution: 1 Operator: SRV
Comment: 125

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4.3916**	**2249.3**	**335.82**	**2822.6**	**48.527**	**126420.**
Stddev	1.0380	26.1	.33	25.7	.670	735.
%RSD	23.635	1.1622	.09831	.90874	1.3811	.58119
#1	3.6576	2230.8	336.05	2804.5	48.053	125900.
#2	5.1256	2267.8	335.58	2840.8	49.001	126940.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**292.45**	**492.58**	**189.60**	**373.30**	**1125.0**	**24711.**
Stddev	.22	.91	.19	2.91	14.4	237.
%RSD	.07510	.18500	.10178	.77879	1.2826	.95991
#1	292.30	491.93	189.74	371.25	1114.8	24543.
#2	292.61	493.22	189.47	375.36	1135.3	24878.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-01S Acquired: 12/17/2007 10:48:03 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6S Dilution: 1 Operator: SRV
Comment: 125

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**15983.**	**1565.9**	**1016600.**	**514.14**	**2954.6**	**202.29**
Stddev	284.	.3	5803.	.40	3.1	.57
%RSD	1.7797	.01703	.57085	.07742	.10546	.28204
#1	15782.	1565.7	1020700.	513.86	2952.4	201.89
#2	16184.	1566.1	1012500.	514.43	2956.8	202.69
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**62.176**	**38.418**	**470.08**	**37787.**
Stddev	.985	.767	.06	14.
%RSD	1.5840	1.9966	.01269	.03767
#1	61.479	37.875	470.12	37777.
#2	62.872	38.960	470.04	37797.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-01S Acquired: 12/17/2007 10:48:03 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6S Dilution: 1 Operator: SRV
Comment: 125

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	**5731.2**	**8465.5**	**107400.**	**23001.**
Stddev	7.6	9.1	280.	432.
%RSD	.13247	.10699	.26095	1.8779
#1	5736.5	8471.9	107200.	23306.
#2	5725.8	8459.1	107600.	22695.

Sample Name: 0008750-01L Acquired: 12/17/2007 10:50:53 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6L Dilution: 5 Operator: SRV
Comment: 126

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.94236**	**63.660**	**59.052**	**163.93**	**.05317**	**26743.**
Stddev	.70922	2.490	.343	2.08	.05392	370.
%RSD	75.261	3.9109	.58012	1.2673	101.41	1.3852
#1	1.4439	65.421	58.810	162.47	.01504	26481.
#2	.44086	61.900	59.294	165.40	.09130	27005.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**50.996**	**.44883**	**.22448**	**36.357**	**18.168**	**5346.7**
Stddev	.174	.13653	.26739	.396	.099	101.1
%RSD	.34201	30.420	119.12	1.0894	.54575	1.8901
#1	50.872	.35228	.41355	36.637	18.098	5275.2
#2	51.119	.54537	.03540	36.077	18.238	5418.1
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-01L Acquired: 12/17/2007 10:50:53 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6L Dilution: 5 Operator: SRV
Comment: 126

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3495.1**	**236.23**	**245960.**	**4.7024**	**627.58**	**21.885**
Stddev	66.0	.10	5916.	.0568	.18	.043
%RSD	1.8876	.04408	2.4053	1.2079	.02870	.19830
#1	3448.4	236.15	241770.	4.6622	627.45	21.916
#2	3541.7	236.30	250140.	4.7425	627.70	21.855
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.88465**	**-.85868**	**.08966**	**8176.9**
Stddev	2.0187	.67106	.10726	5.9
%RSD	228.19	78.150	119.64	.07226
#1	2.3121	-.38417	.01381	8181.1
#2	-.54280	-1.3332	.16550	8172.7
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-01L Acquired: 12/17/2007 10:50:53 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23M6L Dilution: 5 Operator: SRV
Comment: 126

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	**6481.8**	**9246.7**	**115880.**	**23949.**
Stddev	40.1	59.8	235.	428.
%RSD	.61858	.64715	.20298	1.7877
#1	6510.2	9289.0	116040.	24252.
#2	6453.5	9204.4	115710.	23647.

Sample Name: 0008750-02 Acquired: 12/17/2007 10:53:41 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23J2 Dilution: 1 Operator: SRV
Comment: 127

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**10.361**	**3490.1**	**308.48**	**761.73**	**.26931**	**120240.**
Stddev	.355	73.7	.49	12.62	.00860	802.
%RSD	3.4221	2.1106	.15993	1.6566	3.1928	.66675
#1	10.110	3438.0	308.83	752.81	.27539	119680.
#2	10.612	3542.2	308.13	770.65	.26323	120810.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**241.63**	**2.6885**	**4.9611**	**205.36**	**3490.4**	**25131.**
Stddev	.03	.0512	.5505	1.45	63.9	349.
%RSD	.01142	1.9054	11.097	.70843	1.8299	1.3872
#1	241.61	2.7248	5.3504	204.33	3445.2	24885.
#2	241.65	2.6523	4.5718	206.39	3535.5	25378.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-02 Acquired: 12/17/2007 10:53:41 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23J2 Dilution: 1 Operator: SRV
Comment: 127

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**16802.**	**1160.2**	**975860.**	**25.236**	**2936.4**	**151.57**
Stddev	316.	4.4	3180.	.030	6.3	.21
%RSD	1.8792	.37523	.32584	.11752	.21335	.13575
#1	16579.	1157.2	973610.	25.257	2932.0	151.42
#2	17025.	1163.3	978110.	25.215	2940.8	151.71
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**10.006**	**-5.6720**	**5.5798**	**37687.**
Stddev	1.368	.5002	.0351	163.
%RSD	13.673	8.8190	.62898	.43179
#1	10.974	-5.3183	5.5549	37572.
#2	9.0388	-6.0257	5.6046	37802.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-02 Acquired: 12/17/2007 10:53:41 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23J2 Dilution: 1 Operator: SRV
Comment: 127

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	**5709.3**	**8471.9**	**106660.**	**23756.**
Stddev	4.0	19.2	243.	373.
%RSD	.07084	.22609	.22800	1.5685
#1	5706.4	8458.4	106830.	24019.
#2	5712.1	8485.5	106490.	23492.

Sample Name: 0008750-03 Acquired: 12/17/2007 10:56:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L8 Dilution: 1 Operator: SRV
Comment: 128

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.7414**	**124.49**	**13.639**	**305.43**	**.21643**	**124090.**
Stddev	.0184	6.65	.179	4.27	.03402	518.
%RSD	1.0548	5.3430	1.3159	1.3995	15.720	.41776
#1	1.7544	119.79	13.766	302.41	.19237	123720.
#2	1.7284	129.20	13.512	308.46	.24048	124460.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**113.72**	**3.2360**	**1.6662**	**87.687**	**99.492**	**3073.6**
Stddev	.32	.0391	.5806	.374	1.019	54.1
%RSD	.27899	1.2072	34.844	.42637	1.0246	1.7615
#1	113.49	3.2636	2.0767	87.951	98.771	3035.4
#2	113.94	3.2084	1.2556	87.423	100.21	3111.9
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-03 Acquired: 12/17/2007 10:56:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L8 Dilution: 1 Operator: SRV
Comment: 128

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**24157.**	**4864.0**	**989580.**	**28.959**	**773.44**	**36.791**
Stddev	471.	28.1	10508.	.280	.82	.132
%RSD	1.9495	.57868	1.0619	.96690	.10593	.35885
#1	23824.	4844.1	982150.	28.761	772.86	36.698
#2	24490.	4883.9	997010.	29.157	774.02	36.885
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**13.650**	**-1.5802**	**.24882**	**11001.**
Stddev	.063	.3991	.13492	68.
%RSD	.46189	25.257	54.224	.61916
#1	13.695	-1.8624	.34422	10953.
#2	13.606	-1.2980	.15341	11049.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-03 Acquired: 12/17/2007 10:56:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L8 Dilution: 1 Operator: SRV
Comment: 128

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	**5771.4**	**8470.2**	**107450.**	**23559.**
Stddev	21.1	12.9	722.	374.
%RSD	.36518	.15245	.67237	1.5883
#1	5786.3	8479.3	107960.	23824.
#2	5756.5	8461.1	106940.	23294.

Sample Name: 0008750-04 Acquired: 12/17/2007 10:59:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L0 Dilution: 1 Operator: SRV
Comment: 129

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5.7404**	**206.22**	**180.26**	**171.48**	**.09967**	**204550.**
Stddev	.4665	6.11	.13	2.88	.00417	4336.
%RSD	8.1260	2.9645	.07248	1.6772	4.1811	2.1199
#1	6.0703	210.54	180.17	169.45	.09672	201480.
#2	5.4106	201.89	180.35	173.51	.10262	207620.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1475.3**	**5.9518**	**1.7643**	**947.08**	**235.72**	**7938.5**
Stddev	1.2	.0340	.3102	5.72	6.12	97.4
%RSD	.08183	.57178	17.581	.60358	2.5972	1.2272
#1	1474.5	5.9758	1.9836	943.04	231.39	7869.7
#2	1476.2	5.9277	1.5449	951.13	240.05	8007.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-04 Acquired: 12/17/2007 10:59:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L0 Dilution: 1 Operator: SRV
Comment: 129

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4554.6**	**4838.8**	**1031100.**	**17.530**	**19791.**	**118.82**
Stddev	97.8	54.1	3850.	.371	46.	2.88
%RSD	2.1462	1.1178	.37338	2.1188	.23147	2.4205
#1	4485.4	4800.6	1028400.	17.268	19759.	116.78
#2	4623.7	4877.1	1033800.	17.793	19824.	120.85
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**10.877**	**.95207**	**.07446**	**129150.**
Stddev	.668	1.5207	.09138	692.
%RSD	6.1408	159.73	122.73	.53599
#1	10.405	-.12324	.00984	128660.
#2	11.350	2.0274	.13907	129640.
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-04 Acquired: 12/17/2007 10:59:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH23L0 Dilution: 1 Operator: SRV
Comment: 129

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	**5655.0**	**8331.3**	**105240.**	**23461.**
Stddev	4.5	5.4	689.	471.
%RSD	.07910	.06505	.65466	2.0083
#1	5658.1	8327.5	105730.	23794.
#2	5651.8	8335.1	104750.	23128.

Sample Name: BLANK Acquired: 12/17/2007 11:02:36 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.46570**	**5.6150**	**-.23940**	**.00729**	**-.04403**	**81.050**
Stddev	.06258	1.3018	.10453	.12829	.01773	18.134
%RSD	13.439	23.184	43.661	1760.0	40.257	22.374
#1	.50995	6.5355	-.16549	-.08342	-.03150	68.227
#2	.42144	4.6945	-.31331	.09800	-.05657	93.872
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.21648**	**-.25778**	**-.22256**	**-.26120**	**.78292**	**156.96**
Stddev	.08449	.02519	.39969	.00164	1.0535	42.74
%RSD	39.028	9.7728	179.59	.62761	134.56	27.230
#1	.15674	-.27559	.06006	-.26236	1.5279	187.18
#2	.27623	-.23996	-.50519	-.26004	.03798	126.74
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: BLANK Acquired: 12/17/2007 11:02:36 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**6.4376**	**1.1142**	**885.19**	**-.48531**	**.64519**	**1.4730**
Stddev	11.334	.6065	25.14	.21219	.87707	1.0675
%RSD	176.05	54.438	2.8395	43.721	135.94	72.473
#1	14.452	1.5430	867.42	-.63535	1.2654	.71816
#2	-1.5765	.68529	902.96	-.33528	.02501	2.2279
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**1.6652**	**-4.1795**	**-.21374**	**5.9657**
Stddev	.2877	.2874	.30116	2.3849
%RSD	17.277	6.8775	140.90	39.978
#1	1.8686	-4.3828	-.42670	7.6521
#2	1.4618	-3.9763	-.00079	4.2793
Check ?	None	None	None	None
Value				
Range				

Sample Name: BLANK Acquired: 12/17/2007 11:02:36 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

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	**7010.7**	**9580.2**	**124320.**	**28812.**
Stddev	5.5	6.0	2357.	411.
%RSD	.07910	.06285	1.8960	1.4257
#1	7006.8	9575.9	125990.	29103.
#2	7014.6	9584.4	122650.	28522.

Sample Name: CCV Acquired: 12/17/2007 11:05:20 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**609.34**	**5383.9**	**254.70**	**5464.9**	**135.12**	F **13922.**
Stddev	3.98	120.7	.82	144.5	3.29	310.
%RSD	.65332	2.2419	.32219	2.6436	2.4339	2.2243
#1	612.15	5469.3	254.12	5567.1	137.44	14141.
#2	606.52	5298.6	255.28	5362.8	132.79	13703.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						12500.
Range						10.000%

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**127.28**	**1256.1**	**500.60**	F **521.57**	**2681.3**	**13567.**
Stddev	.45	3.2	1.52	.45	60.7	321.
%RSD	.34982	.25453	.30426	.08562	2.2657	2.3663
#1	126.97	1253.9	501.68	521.88	2724.2	13794.
#2	127.60	1258.4	499.53	521.25	2638.3	13340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				625.00		
Range				-10.000%		

Sample Name: CCV Acquired: 12/17/2007 11:05:20 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**13494.**	**1278.9**	**13194.**	**1250.4**	**250.10**	**1261.2**
Stddev	282.	5.3	309.	2.4	1.82	3.2
%RSD	2.0907	.41646	2.3449	.18850	.72897	.25373
#1	13694.	1282.6	13413.	1248.7	248.82	1258.9
#2	13295.	1275.1	12975.	1252.1	251.39	1263.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**257.17**	**250.91**	**1234.7**	**1300.1**
Stddev	.40	.35	5.9	8.1
%RSD	.15400	.13961	.47709	.61978
#1	257.45	251.16	1238.9	1294.4
#2	256.89	250.66	1230.6	1305.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CCV Acquired: 12/17/2007 11:05:20 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

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	**6967.0**	**9620.1**	**121140.**	**22830.**
Stddev	31.7	52.7	442.	288.
%RSD	.45460	.54762	.36460	1.2629
#1	6989.4	9657.4	120830.	22626.
#2	6944.6	9582.9	121460.	23034.

Sample Name: CCB Acquired: 12/17/2007 11:08:01 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.63153**	**8.5606**	**-.95223**	**.36099**	**.02400**	**8.4027**
Stddev	.39798	10.070	.24234	.03662	.03188	1.4264
%RSD	63.018	117.63	25.449	10.145	132.84	16.976
#1	.91294	15.681	-.78088	.33510	.00146	9.4114
#2	.35012	1.4399	-1.1236	.38689	.04654	7.3941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.12324**	**.34680**	**-.29981**	**-1.0988**	**2.1365**	**72.389**
Stddev	.09717	.02845	.00401	.4338	2.1226	12.034
%RSD	78.845	8.2043	1.3381	39.481	99.350	16.624
#1	.19194	.36692	-.30264	-1.4055	3.6374	80.898
#2	.05453	.32668	-.29697	-.79202	.63558	63.880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 12/17/2007 11:08:01 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**10.950**	**.33828**	**260.78**	**.19116**	**1.6660**	**2.1919**
Stddev	7.442	.13381	6.75	.01943	1.2282	.6299
%RSD	67.968	39.555	2.5874	10.163	73.719	28.737
#1	16.213	.24366	256.01	.17743	.79757	2.6373
#2	5.6873	.43289	265.55	.20490	2.5345	1.7465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.44030**	**-.30088**	**.26270**	**8.3744**
Stddev	.58840	.42706	.30518	2.3954
%RSD	133.64	141.94	116.17	28.604
#1	.85636	.00110	.04691	6.6806
#2	.02424	-.60286	.47850	10.068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 12/17/2007 11:08:01 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

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	**7170.0**	**9728.2**	**122650.**	**24609.**
Stddev	33.5	34.3	2917.	1350.
%RSD	.46747	.35284	2.3779	5.4848
#1	7193.7	9752.4	124720.	25563.
#2	7146.3	9703.9	120590.	23654.

Sample Name: 0008750-05 Acquired: 12/17/2007 11:10:46 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH24B1 Dilution: 1 Operator: SRV
Comment: 130

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.2607**	**101.39**	**50.950**	**319.17**	**.10980**	**183000.**
Stddev	.0353	17.86	.298	18.54	.00952	9197.
%RSD	2.8001	17.611	.58503	5.8101	8.6732	5.0255
#1	1.2358	114.02	50.739	332.28	.11653	189500.
#2	1.2857	88.766	51.161	306.05	.10307	176490.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4.8534**	**2.4250**	**.95806**	**8.4169**	**155.64**	**7269.3**
Stddev	.0549	.1032	.03900	.3429	10.22	454.9
%RSD	1.1307	4.2539	4.0705	4.0735	6.5640	6.2574
#1	4.8922	2.3520	.98563	8.1744	162.86	7590.9
#2	4.8146	2.4979	.93048	8.6593	148.41	6947.6
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 0008750-05 Acquired: 12/17/2007 11:10:46 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH24B1 Dilution: 1 Operator: SRV
Comment: 130

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**26107.**	**1099.3**	**1057900.**	**6.0944**	**23.171**	**15.498**
Stddev	1515.	4.9	63241.	.0605	.850	1.557
%RSD	5.8037	.44906	5.9781	.99206	3.6665	10.046
#1	27178.	1095.8	1102600.	6.0517	22.571	16.599
#2	25035.	1102.8	1013200.	6.1372	23.772	14.397
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**8.6152**	**-7.3257**	**1.8732**	**737.56**
Stddev	.7452	.5272	.3303	2.08
%RSD	8.6493	7.1968	17.633	.28205
#1	9.1421	-7.6985	2.1068	736.09
#2	8.0883	-6.9529	1.6397	739.03
Check ?	None	None	None	None
Value				
Range				

Sample Name: 0008750-05 Acquired: 12/17/2007 11:10:46 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: MH24B1 Dilution: 1 Operator: SRV
Comment: 130

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	**5543.2**	**8232.1**	**106180.**	**21080.**
Stddev	6.6	8.8	428.	960.
%RSD	.11875	.10651	.40302	4.5533
#1	5547.9	8225.9	106490.	20401.
#2	5538.6	8238.3	105880.	21758.

Sample Name: Z0008750-01S Acquired: 12/17/2007 11:13:42 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZMH23M6S Dilution: 1 Operator: SRV
Comment: 131

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5.1905**	**2001.2**	**333.30**	**2491.5**	**43.395**	**118500.**
Stddev	.0304	130.2	.83	149.4	2.550	5855.
%RSD	.58511	6.5051	.24896	5.9968	5.8754	4.9405
#1	5.2120	1909.1	333.89	2385.8	41.592	114360.
#2	5.1691	2093.2	332.71	2597.1	45.198	122640.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**293.56**	**490.36**	**174.99**	**311.64**	**1014.0**	**22666.**
Stddev	.18	.82	2.31	4.14	61.7	1327.
%RSD	.06083	.16758	1.3221	1.3301	6.0851	5.8527
#1	293.43	489.78	173.35	308.71	970.40	21728.
#2	293.68	490.94	176.63	314.57	1057.7	23604.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: Z0008750-01S Acquired: 12/17/2007 11:13:42 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZMH23M6S Dilution: 1 Operator: SRV
Comment: 131

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**15036.**	**1504.7**	**931520.**	**502.59**	**3150.9**	**203.64**
Stddev	924.	20.6	45319.	1.61	6.9	.00
%RSD	6.1424	1.3717	4.8651	.32007	.21928	.00179
#1	14383.	1490.1	899470.	501.45	3146.0	203.64
#2	15689.	1519.3	963560.	503.73	3155.8	203.63
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**60.340**	**38.220**	**445.60**	**38465.**
Stddev	2.385	2.049	6.81	143.
%RSD	3.9522	5.3621	1.5287	.37130
#1	62.026	39.669	440.78	38364.
#2	58.654	36.771	450.41	38566.
Check ?	None	None	None	None
Value				
Range				

Sample Name: Z0008750-01S Acquired: 12/17/2007 11:13:42 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZMH23M6S Dilution: 1 Operator: SRV
Comment: 131

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	**5578.1**	**8287.1**	**108650.**	**23716.**
Stddev	12.9	10.0	999.	1227.
%RSD	.23063	.12069	.91960	5.1744
#1	5587.2	8294.2	109350.	24583.
#2	5569.0	8280.1	107940.	22848.

Sample Name: BLANK Acquired: 12/17/2007 11:16:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 132

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.6036**	**20.224**	**-.05673**	**8.3766**	**.18781**	**432.02**
Stddev	.2128	3.225	.91155	1.1018	.05216	54.77
%RSD	13.271	15.945	1606.8	13.153	27.772	12.679
#1	1.4531	22.504	-.70130	9.1557	.22469	470.75
#2	1.7541	17.944	.58783	7.5975	.15093	393.29
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.27260**	**.17113**	**-.11154**	**-.84506**	**8.2094**	**136.31**
Stddev	.04650	.00834	.37999	.42793	1.7089	33.91
%RSD	17.059	4.8738	340.68	50.639	20.816	24.873
#1	.23972	.17703	.15716	-.54247	9.4178	112.34
#2	.30548	.16524	-.38024	-1.1477	7.0011	160.29
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: BLANK Acquired: 12/17/2007 11:16:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 132

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**64.786**	**2.2884**	**3855.5**	**.27658**	**4.0932**	**-.66794**
Stddev	2.641	.8937	560.9	.14341	.1756	.14113
%RSD	4.0765	39.054	14.547	51.851	4.2896	21.129
#1	62.919	2.9204	4252.1	.17517	4.2173	-.56814
#2	66.654	1.6565	3458.9	.37798	3.9690	-.76773
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**1.1484**	**-.73448**	**.69154**	**29.236**
Stddev	1.7681	.05051	.14494	3.920
%RSD	153.95	6.8771	20.958	13.407
#1	-.10177	-.69877	.58906	26.465
#2	2.3987	-.77020	.79403	32.008
Check ?	None	None	None	None
Value				
Range				

Sample Name: BLANK Acquired: 12/17/2007 11:16:33 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 132

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	**7191.3**	**9707.8**	**127190.**	**22880.**
Stddev	27.8	40.2	267.	393.
%RSD	.38643	.41366	.20988	1.7172
#1	7211.0	9736.2	127380.	22602.
#2	7171.7	9679.4	127010.	23158.

Sample Name: BLANK Acquired: 12/17/2007 11:19:17 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 133

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.3371**	**-4.9671**	**-.84220**	**.11058**	**.02646**	**2.3218**
Stddev	.0430	.5350	.27477	.00008	.01123	.3736
%RSD	3.2189	10.770	32.625	.07041	42.441	16.093
#1	1.3067	-4.5888	-.64791	.11052	.01852	2.5860
#2	1.3675	-5.3453	-1.0365	.11063	.03441	2.0576
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.03813**	**-.02017**	**-.19686**	**-1.2346**	**.69261**	**69.898**
Stddev	.01508	.05037	.29433	.4266	1.4707	10.076
%RSD	39.560	249.70	149.51	34.552	212.34	14.415
#1	-.04879	.01544	.01126	-1.5362	1.7325	77.022
#2	-.02746	-.05579	-.40499	-.93295	-.34733	62.773
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: BLANK Acquired: 12/17/2007 11:19:17 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 133

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-2.4836**	**.14589**	**360.56**	**-.09800**	**1.0222**	**.71114**
Stddev	8.6658	.00336	15.49	.03913	.6864	2.2397
%RSD	348.91	2.3022	4.2951	39.929	67.147	314.95
#1	-8.6113	.14352	349.61	-.12567	.53687	-.87260
#2	3.6440	.14827	371.51	-.07033	1.5076	2.2949
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**1.1284**	**-.40660**	**-.10838**	**2.3215**
Stddev	.8355	.81284	.39424	.2047
%RSD	74.039	199.91	363.76	8.8167
#1	1.7192	-.98137	.17039	2.1768
#2	.53765	.16816	-.38715	2.4663
Check ?	None	None	None	None
Value				
Range				

Sample Name: BLANK Acquired: 12/17/2007 11:19:17 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 133

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	**7146.0**	**9611.1**	**124070.**	**23052.**
Stddev	21.4	24.6	103.	1111.
%RSD	.29918	.25553	.08293	4.8176
#1	7130.9	9593.7	124000.	23837.
#2	7161.1	9628.4	124140.	22266.

Sample Name: BLANK Acquired: 12/17/2007 11:22:04 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 134

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.7627**	**8.7493**	**-.34659**	**1.9304**	**.04739**	**114.02**
Stddev	.0026	4.7404	.16603	.0210	.02435	10.17
%RSD	.14804	54.180	47.903	1.0904	51.381	8.9173
#1	1.7645	5.3973	-.22919	1.9453	.06461	121.21
#2	1.7608	12.101	-.46399	1.9156	.03017	106.83
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.20208**	**.23560**	**-.07201**	**-1.1396**	**4.2849**	**71.628**
Stddev	.08122	.09170	.02804	.2853	1.4718	.208
%RSD	40.194	38.922	38.944	25.038	34.349	.29005
#1	.25952	.17076	-.05218	-1.3413	3.2442	71.775
#2	.14465	.30045	-.09184	-.93782	5.3257	71.482
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: BLANK Acquired: 12/17/2007 11:22:04 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 134

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**26.432**	**1.0094**	**1070.5**	**.17281**	**1.6098**	**-.60053**
Stddev	4.479	.0727	78.2	.03816	.2155	.27496
%RSD	16.947	7.1973	7.3045	22.081	13.384	45.787
#1	23.264	1.0608	1125.8	.14583	1.4575	-.79496
#2	29.599	.95808	1015.2	.19979	1.7622	-.40610
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**.36584**	**-.33890**	**.21483**	**16.544**
Stddev	.44948	.79666	.18948	1.160
%RSD	122.86	235.08	88.199	7.0121
#1	.68367	-.90222	.08085	15.724
#2	.04801	.22443	.34881	17.364
Check ?	None	None	None	None
Value				
Range				

Sample Name: BLANK Acquired: 12/17/2007 11:22:04 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 134

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	**7193.2**	**9630.2**	**124650.**	**22965.**
Stddev	1.1	4.1	94.	165.
%RSD	.01472	.04247	.07531	.72041
#1	7194.0	9627.3	124580.	23082.
#2	7192.5	9633.1	124720.	22848.

Sample Name: BLANK Acquired: 12/17/2007 11:24:48 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.5626**	**1.7014**	**-1.4178**	**.01298**	**-.00645**	**14.628**
Stddev	.1041	1.2790	.7055	.16943	.03902	3.448
%RSD	6.6608	75.170	49.764	1305.3	604.51	23.573
#1	1.6362	2.6058	-.91888	.13279	.02114	17.066
#2	1.4890	.79707	-1.9167	-.10683	-.03404	12.190
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.32635**	**-.17989**	**-.42759**	**-1.4379**	**.40729**	**107.19**
Stddev	.00911	.07091	.12477	.8282	.38483	.98
%RSD	2.7924	39.421	29.179	57.596	94.484	.91783
#1	.33280	-.23003	-.51582	-2.0236	.13518	107.89
#2	.31991	-.12974	-.33937	-.85231	.67940	106.50
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: BLANK Acquired: 12/17/2007 11:24:48 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5.0154**	**.41356**	**316.81**	**-.40841**	**1.0305**	**2.1504**
Stddev	6.8645	.02363	36.67	.23028	.6167	.0113
%RSD	136.87	5.7133	11.575	56.383	59.843	.52446
#1	.16145	.43027	342.74	-.57125	1.4665	2.1583
#2	9.8693	.39686	290.88	-.24558	.59443	2.1424
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**-.42547**	**-2.1126**	**.06357**	**9.0741**
Stddev	.35366	.3770	.20557	.2611
%RSD	83.123	17.847	323.38	2.8769
#1	-.17539	-2.3792	-.08179	8.8895
#2	-.67554	-1.8460	.20892	9.2586
Check ?	None	None	None	None
Value				
Range				

Sample Name: BLANK Acquired: 12/17/2007 11:24:48 Type: Unk
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: BLANK Dilution: 1 Operator: SRV
Comment: 5

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	**7017.6**	**9438.3**	**127370.**	**22856.**
Stddev	12.5	8.7	2285.	2262.
%RSD	.17757	.09170	1.7940	9.8953
#1	7026.4	9444.5	128980.	21256.
#2	7008.8	9432.2	125750.	24455.

Sample Name: ZCRI Acquired: 12/17/2007 11:27:31 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZCRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**10.857**	**1.2692**	**8.8541**	**-.01649**	**5.6247**	**3.5533**
Stddev	.227	1.8447	.7921	.04091	.2045	1.8016
%RSD	2.0935	145.34	8.9457	248.14	3.6363	50.703
#1	10.696	-.03519	9.4142	.01244	5.7694	4.8273
#2	11.018	2.5736	8.2941	-.04541	5.4801	2.2794
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4.8993**	**49.551**	**9.9498**	**18.292**	**.93388**	**102.14**
Stddev	.0834	.178	.0322	.006	.55958	20.00
%RSD	1.7016	.35856	.32381	.03036	59.920	19.576
#1	4.9583	49.425	9.9725	18.288	1.3296	88.006
#2	4.8404	49.677	9.9270	18.296	.53820	116.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: ZCRI Acquired: 12/17/2007 11:27:31 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZCRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**7.4725**	**15.776**	**193.14**	**40.579**	**11.652**	**57.771**
Stddev	1.0499	.091	.16	.169	.227	.081
%RSD	14.050	.57638	.08256	.41683	1.9505	.14004
#1	6.7301	15.840	193.02	40.699	11.812	57.714
#2	8.2149	15.711	193.25	40.459	11.491	57.829
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**31.590**	**24.760**	**47.445**	**61.734**
Stddev	1.421	.710	.390	.130
%RSD	4.4972	2.8658	.82195	.21085
#1	30.585	25.262	47.721	61.642
#2	32.595	24.258	47.170	61.826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: ZCRI Acquired: 12/17/2007 11:27:31 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ZCRI Dilution: 1 Operator: SRV
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	**7235.6**	**9699.6**	**125150.**	**22124.**
Stddev	24.2	56.8	37.	481.
%RSD	.33399	.58528	.02978	2.1724
#1	7252.7	9739.8	125170.	21784.
#2	7218.5	9659.5	125120.	22464.

Sample Name: CRI Acquired: 12/17/2007 11:30:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**10.946**	**2.9030**	**9.4825**	**.01844**	**5.0952**	**1.8172**
Stddev	.585	1.2529	.3228	.07181	.2865	1.0242
%RSD	5.3486	43.160	3.4040	389.50	5.6238	56.360
#1	10.532	2.0170	9.2543	-.03234	4.8925	2.5414
#2	11.360	3.7889	9.7108	.06921	5.2978	1.0930
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**4.8479**	**49.863**	**9.8893**	**19.949**	**1.4809**	**127.28**
Stddev	.1073	.288	.0002	.182	.8279	23.04
%RSD	2.2132	.57706	.00201	.91422	55.909	18.106
#1	4.9238	49.660	9.8895	19.820	.89544	110.98
#2	4.7721	50.067	9.8892	20.078	2.0663	143.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CRI Acquired: 12/17/2007 11:30:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
Comment: 3

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.80047**	**16.096**	**155.91**	**40.798**	**12.127**	**58.254**
Stddev	10.205	.035	5.46	.096	1.357	.475
%RSD	1274.9	.21582	3.5016	.23527	11.192	.81561
#1	-8.0164	16.072	152.05	40.730	11.167	57.919
#2	6.4155	16.121	159.77	40.866	13.087	58.590
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**30.798**	**25.099**	**48.371**	**62.410**
Stddev	1.780	.104	.062	.016
%RSD	5.7799	.41502	.12898	.02581
#1	32.057	25.025	48.415	62.421
#2	29.540	25.173	48.326	62.398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CRI Acquired: 12/17/2007 11:30:12 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CRI Dilution: 1 Operator: SRV
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	**7162.1**	**9610.9**	**122040.**	**24166.**
Stddev	2.7	12.5	207.	1263.
%RSD	.03837	.13002	.16976	5.2281
#1	7164.0	9619.7	122180.	25059.
#2	7160.1	9602.0	121890.	23273.

Sample Name: ICSA Acquired: 12/17/2007 11:32:52 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.55524**	**254200.**	**-.10884**	**-2.8463**	**1.3814**	**246320.**
Stddev	.30405	5181.	.84806	.0101	.0042	3919.
%RSD	54.760	2.0382	779.17	.35376	.30652	1.5909
#1	.34025	250540.	.49083	-2.8391	1.3844	243550.
#2	.77024	257860.	-.70851	-2.8534	1.3784	249090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.6932**	**2.5488**	**44.137**	**19.554**	**93210.**	**-.65318**
Stddev	.1638	.0032	.074	.331	1096.	21.955
%RSD	6.0805	.12528	.16786	1.6942	1.1756	3361.2
#1	2.8090	2.5466	44.190	19.789	92435.	-16.178
#2	2.5774	2.5511	44.085	19.320	93985.	14.871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 12/17/2007 11:32:52 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**245770.**	**16.051**	**1643.6**	**18.333**	**18.060**	**-2.7025**
Stddev	2658.	.141	8.2	.119	3.084	1.2294
%RSD	1.0815	.87557	.49790	.64704	17.077	45.490
#1	243890.	16.150	1637.8	18.249	20.240	-1.8332
#2	247650.	15.951	1649.4	18.417	15.879	-3.5718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**-10.187**	**-3.6616**	**1.2661**	**23.500**
Stddev	.710	.0014	.1848	.083
%RSD	6.9703	.03746	14.595	.35507
#1	-9.6850	-3.6607	1.3967	23.559
#2	-10.689	-3.6626	1.1354	23.441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 12/17/2007 11:32:52 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSA Dilution: 1 Operator: SRV
Comment: 13

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	**6101.3**	**8755.8**	**111110.**	**23160.**
Stddev	.8	11.3	325.	226.
%RSD	.01257	.12887	.29256	.97524
#1	6101.8	8747.8	111340.	23320.
#2	6100.7	8763.8	110880.	23000.

Sample Name: ICSAB Acquired: 12/17/2007 11:35:41 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**205.03**	**248710.**	**95.884**	**518.26**	**482.15**	**235920.**
Stddev	1.32	7481.	1.178	14.94	11.76	7893.
%RSD	.64279	3.0079	1.2287	2.8817	2.4393	3.3458
#1	204.10	243420.	96.717	507.70	473.84	230330.
#2	205.97	254000.	95.051	528.82	490.47	241500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**967.70**	**486.39**	**526.37**	**497.90**	**92023.**	**14.044**
Stddev	1.18	.63	1.08	1.35	2353.	4.025
%RSD	.12192	.12939	.20594	.27199	2.5569	28.658
#1	968.53	486.84	525.61	498.85	90359.	16.890
#2	966.86	485.95	527.14	496.94	93686.	11.198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 12/17/2007 11:35:41 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**241140.**	**512.05**	**1018.7**	**1000.8**	**63.537**	**593.35**
Stddev	5832.	.38	31.7	1.6	.983	.23
%RSD	2.4184	.07360	3.1074	.16068	1.5464	.03948
#1	237020.	511.78	996.29	1001.9	62.842	593.52
#2	245260.	512.31	1041.1	999.63	64.232	593.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**44.981**	**90.900**	**482.83**	**1000.3**
Stddev	1.628	.049	1.04	3.8
%RSD	3.6186	.05337	.21596	.37734
#1	46.132	90.866	482.10	1003.0
#2	43.830	90.934	483.57	997.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 12/17/2007 11:35:41 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: ICSAB Dilution: 1 Operator: SRV
Comment: 23

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	**6090.1**	**8758.9**	**110890.**	**23950.**
Stddev	8.0	14.5	44.	436.
%RSD	.13097	.16513	.03967	1.8222
#1	6084.4	8748.6	110860.	24258.
#2	6095.7	8769.1	110920.	23641.

Sample Name: CCV Acquired: 12/17/2007 11:38:28 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**620.56**	**5129.4**	**258.74**	**5243.1**	**128.12**	**12795.**
Stddev	1.23	83.0	1.15	34.2	2.23	221.
%RSD	.19773	1.6190	.44336	.65176	1.7443	1.7251
#1	619.70	5070.7	257.93	5219.0	126.54	12639.
#2	621.43	5188.2	259.55	5267.3	129.70	12952.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**127.71**	**1236.8**	**509.54**	**588.93**	**2496.9**	**12948.**
Stddev	.12	3.4	1.64	.46	39.7	196.
%RSD	.09251	.27317	.32211	.07801	1.5916	1.5171
#1	127.79	1239.2	510.70	588.60	2468.8	12809.
#2	127.62	1234.4	508.38	589.25	2525.0	13087.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 12/17/2007 11:38:28 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**12326.**	**1277.9**	**12751.**	**1255.2**	**245.53**	**1269.3**
Stddev	213.	.6	218.	4.7	.81	.9
%RSD	1.7285	.04860	1.7130	.37733	.33180	.07094
#1	12176.	1277.5	12596.	1258.5	246.11	1268.7
#2	12477.	1278.4	12905.	1251.8	244.95	1270.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**253.17**	**249.51**	**1232.3**	**1272.9**
Stddev	.41	.12	1.2	5.5
%RSD	.16198	.04655	.09761	.42926
#1	252.88	249.59	1233.1	1276.7
#2	253.46	249.43	1231.4	1269.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CCV Acquired: 12/17/2007 11:38:28 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCV Dilution: 1 Operator: SRV
Comment: 11

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	**6913.0**	**9478.1**	**119610.**	**24518.**
Stddev	19.1	12.0	95.	383.
%RSD	.27688	.12618	.07937	1.5634
#1	6899.5	9469.7	119680.	24789.
#2	6926.6	9486.6	119540.	24247.

Sample Name: CCB Acquired: 12/17/2007 11:41:10 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1.1590**	**5.0860**	**-.58756**	**.89358**	**.05578**	**8.7666**
Stddev	.2230	.1390	.11858	.13089	.01280	.8804
%RSD	19.242	2.7331	20.181	14.648	22.942	10.042
#1	1.3167	5.1843	-.50371	.98614	.06483	9.3892
#2	1.0013	4.9877	-.67141	.80102	.04673	8.1441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**.12688**	**.55581**	**-.21745**	**-.64028**	**2.8820**	**71.007**
Stddev	.19148	.28468	.11466	.45404	.5427	12.503
%RSD	150.92	51.219	52.732	70.912	18.832	17.609
#1	-.00852	.35451	-.29853	-.31923	3.2658	62.166
#2	.26228	.75712	-.13637	-.96134	2.4982	79.848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 12/17/2007 11:41:10 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {445}	220.353 {453}	206.833 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(In2306)	(Y_2243)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-3.6375**	**.28898**	**48.694**	**.52792**	**.51211**	**.30620**
Stddev	8.7550	.02363	9.014	.45529	.14638	.23272
%RSD	240.69	8.1769	18.512	86.242	28.584	76.003
#1	-9.8283	.30569	55.068	.20598	.61562	.47076
#2	2.5532	.27227	42.320	.84985	.40860	.14164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {464}
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(In2306)
Units	ug/L	ug/L	ug/L	ug/L
Avg	**-.18881**	**-.02315**	**.42670**	**2.2439**
Stddev	.69907	.07745	.39272	.3124
%RSD	370.26	334.56	92.035	13.922
#1	-.68313	-.07792	.70439	2.0230
#2	.30551	.03162	.14901	2.4648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 12/17/2007 11:41:10 Type: QC
Method: TAL20071217A Mode: CONC Corr. Factor: 1.000000
User: admin Client sample ID: CCB Dilution: 1 Operator: SRV
Comment: 21

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	**7139.5**	**9625.0**	**121130.**	**25064.**
Stddev	6.5	10.8	113.	911.
%RSD	.09129	.11264	.09316	3.6359
#1	7134.9	9617.3	121210.	25708.
#2	7144.1	9632.6	121050.	24420.

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Instrument Run Log

Instrument ID: A-FIMS100

Runlog, Logbook (RCN#/Page#): 632-0403 / 51
Analysis Date: 12-14-07
Sequence: HG1214A
Analyst/Date: S.S / 12-14-07
Method: ILM05.4
Reviewer/Date: SW 12/19/07.
SOP: ~~HG1214A~~ 2SOP03

No.	Lab Sample / Client Sample	Analysis Date	Analysis Time	DF	Data File	Standard ID & Comments
1	~~S0 / S0~~	~~12/14/07~~	~~09:56:19~~	~~1.00~~	~~HG1214A.TXT~~	~~not used~~
2	S0.2 / S0.2	12/14/07	09:57:44	1.00	HG1214A.TXT	
3	S0.5 / S0.5	12/14/07	09:59:09	1.00	HG1214A.TXT	
4	S0 / S0	12/14/07	10:03:49	1.00	HG1214A.TXT	
5	S0 / S0	12/14/07	10:12:07	1.00	HG1214A.TXT	
6	S0.2 / S0.2	12/14/07	10:13:32	1.00	HG1214A.TXT	
7	S0.5 / S0.5	12/14/07	10:14:57	1.00	HG1214A.TXT	
8	S1.0 / S1.0	12/14/07	10:16:22	1.00	HG1214A.TXT	
9	S2.0 / S2.0	12/14/07	10:17:48	1.00	HG1214A.TXT	
10	S5.0 / S5.0	12/14/07	10:19:13	1.00	HG1214A.TXT	
11	S10.0 / S10.0	12/14/07	10:20:39	1.00	HG1214A.TXT	
12	ICV1 / ICV	12/14/07	10:22:08	1.00	HG1214A.TXT	
13	ICB1 / ICB	12/14/07	10:23:35	1.00	HG1214A.TXT	
14	S0 / S0	12/14/07	10:25:36	1.00	HG1214A.TXT	
15	S0.2 / S0.2	12/14/07	10:27:01	1.00	HG1214A.TXT	
16	S0.5 / S0.5	12/14/07	10:28:26	1.00	HG1214A.TXT	
17	S1.0 / S1.0	12/14/07	10:29:51	1.00	HG1214A.TXT	
18	S2.0 / S2.0	12/14/07	10:31:15	1.00	HG1214A.TXT	
19	S5.0 / S5.0	12/14/07	10:32:41	1.00	HG1214A.TXT	
20	S10.0 / S10.0	12/14/07	10:34:06	1.00	HG1214A.TXT	
21	ICV2 / ICV	12/14/07	10:35:35	1.00	HG1214A.TXT	
~~22~~	~~ICB2 / ICB~~	~~12/14/07~~	~~10:37:02~~	~~1.00~~	~~HG1214A.TXT~~	
23	S0 / S0	12/14/07	10:52:26	1.00	HG1214A.TXT	
24	S0.2 / S0.2	12/14/07	10:53:50	1.00	HG1214A.TXT	
25	S0.5 / S0.5	12/14/07	10:55:16	1.00	HG1214A.TXT	
26	S1.0 / S1.0	12/14/07	10:56:41	1.00	HG1214A.TXT	
27	S2.0 / S2.0	12/14/07	10:58:06	1.00	HG1214A.TXT	
28	S5.0 / S5.0	12/14/07	10:59:31	1.00	HG1214A.TXT	
29	S10.0 / S10.0	12/14/07	11:00:56	1.00	HG1214A.TXT	
30	ICV3 / ICV	12/14/07	11:02:26	1.00	HG1214A.TXT	00000146

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Instrument Run Log

Instrument ID: A-FIMS100

Runlog, Logbook (RCN#/Page#): 632-0403 / 51 *Analysis Date:* 12-14-07
Sequence: HG1214A *Analyst/Date:* S.S / 12-14-07
Method IEM05.4 *Reviewer/Date:* 12/19/07
SOP ~~HG1214A~~ 2 SOP03

No.	Lab Sample / Client Sample	Analysis Date	Analysis Time	DF	Data File	Standard ID & Comments
31	ICB3 / ICB	12/14/07	11:03:53	1.00	HG1214A.TXT	
32	CRDL1 / CRI	12/14/07	11:05:17	1.00	HG1214A.TXT	
33	CCV1 / CCV	12/14/07	11:06:43	1.00	HG1214A.TXT	
34	CCB1 / CCB	12/14/07	11:08:09	1.00	HG1214A.TXT	
35	HGBLK07 / PBW07	12/14/07	11:09:34	1.00	HG1214A.TXT	
36	HGLCS07 / LCSW07	12/14/07	11:10:58	1.00	HG1214A.TXT	
37	0008750-01 / MH23M6	12/14/07	11:12:23	1.00	HG1214A.TXT	
38	0008750-01D / MH23M6D	12/14/07	11:13:47	1.00	HG1214A.TXT	
39	0008750-01S / MH23M6S	12/14/07	11:15:11	1.00	HG1214A.TXT	
40	0008750-02 / MH23J2	12/14/07	11:16:35	1.00	HG1214A.TXT	
41	0008750-03 / MH23L8	12/14/07	11:18:00	1.00	HG1214A.TXT	
42	0008750-04 / MH23L0	12/14/07	11:19:24	1.00	HG1214A.TXT	
43	0008750-05 / MH24B1	12/14/07	11:20:48	1.00	HG1214A.TXT	
44	CRDL2 / CRI	12/14/07	11:22:14	1.00	HG1214A.TXT	
45	CCV2 / CCV	12/14/07	11:23:40	1.00	HG1214A.TXT	
46	CCB2 / CCB	12/14/07	11:25:06	1.00	HG1214A.TXT	
~~47~~	~~ZZZZZ / ZZZZZ~~	~~12/14/07~~	~~11:26:32~~	~~1.00~~	~~HG1214A.TXT~~	Not used
48	ZZZZZ / ZZZZZ	12/14/07	11:27:57	1.00	HG1214A.TXT	
49	ZZZZZ / ZZZZZ	12/14/07	11:29:21	1.00	HG1214A.TXT	
50	ZZZZZ / ZZZZZ	12/14/07	11:30:46	1.00	HG1214A.TXT	
51	ZZZZZZ / ZZZZZZ	12/14/07	11:32:10	1.00	HG1214A.TXT	
52	ZZZZZ / ZZZZZ	12/14/07	11:33:34	1.00	HG1214A.TXT	
53	ZZZZZ / ZZZZZ	12/14/07	11:35:02	1.00	HG1214A.TXT	
54	CRDL3 / CRI	12/14/07	11:36:27	1.00	HG1214A.TXT	
55	CCV3 / CCV	12/14/07	11:37:52	1.00	HG1214A.TXT	
56	CCB3 / CCB	12/14/07	11:39:20	1.00	HG1214A.TXT	

00000147

%RSD: 1.7 1.7 3.9246
QC value within specified limits.

==========
Element: Hg Seq. No.: 23 AS Loc.: 2 Date: 12/14/2007
Sample ID: CRI

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

==========
Method Name: MERCURY-ILM05.3
Method Description: MERCURY ANALYSIS-ILM05.3-QATS
Element: Hg

Date: 12/14/2007
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: HG1214A.SIF Results Data Set Name: HG1214A

==========
Element: Hg Seq. No.: 23 AS Loc.: 1 Date: 12/14/2007
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0001	-0.0002	0.0001	10:51:56	No
2			0.0001	-0.0004	0.0001	10:52:26	No
Mean:			0.0001				
SD :			0.0000				
%RSD:			15.6702				

Auto-zero performed.

==========
Element: Hg Seq. No.: 24 AS Loc.: 2 Date: 12/14/2007
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0016	0.0036	0.0016	10:53:21	No
2			0.0016	0.0035	0.0016	10:53:50	No
Mean:			0.0016				
SD :			0.0000				
%RSD:			0.1880				

[Hg] Standard number 1 applied. [0.20000]
Correlation Coefficient: 1.00000 Slope: 0.00784
Intercept : 0.00000

==========
Element: Hg Seq. No.: 25 AS Loc.: 3 Date: 12/14/2007
Sample ID: S0.5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0041	0.0095	0.0042	10:54:46	No
2			0.0040	0.0084	0.0041	10:55:16	No
Mean:			0.0041				
SD :			0.0001				
%RSD:			2.2016				

[Hg] Standard number 2 applied. [0.50000]
Correlation Coefficient: 0.99987 Slope: 0.00814
Intercept : -0.00002

==========
Element: Hg Seq. No.: 26 AS Loc.: 4 Date: 12/14/2007 000000148
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0084	0.0187	0.0084	10:56:12	No
2			0.0081	0.0171	0.0081	10:56:41	No
Mean:			0.0082				
SD :			0.0002				
%RSD:			2.7286				

[Hg] Standard number 3 applied. [1.0000]
Correlation Coefficient: 0.99995 Slope: 0.00824
Intercept : -0.00004

Element: Hg Seq. No.: 27 AS Loc.: 5 Date: 12/14/2007
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0170	0.0369	0.0171	10:57:37	No
2			0.0166	0.0348	0.0167	10:58:06	No
Mean:			0.0168				
SD :			0.0003				
%RSD:			1.6540				

[Hg] Standard number 4 applied. [2.0000]
Correlation Coefficient: 0.99992 Slope: 0.00842
Intercept : -0.00010

Element: Hg Seq. No.: 28 AS Loc.: 6 Date: 12/14/2007
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0436	0.0934	0.0437	10:59:02	No
2			0.0433	0.0903	0.0433	10:59:31	No
Mean:			0.0435				
SD :			0.0003				
%RSD:			0.6022				

[Hg] Standard number 5 applied. [5.0000]
Correlation Coefficient: 0.99990 Slope: 0.00871
Intercept : -0.00028

Element: Hg Seq. No.: 29 AS Loc.: 7 Date: 12/14/2007
Sample ID: S10.0

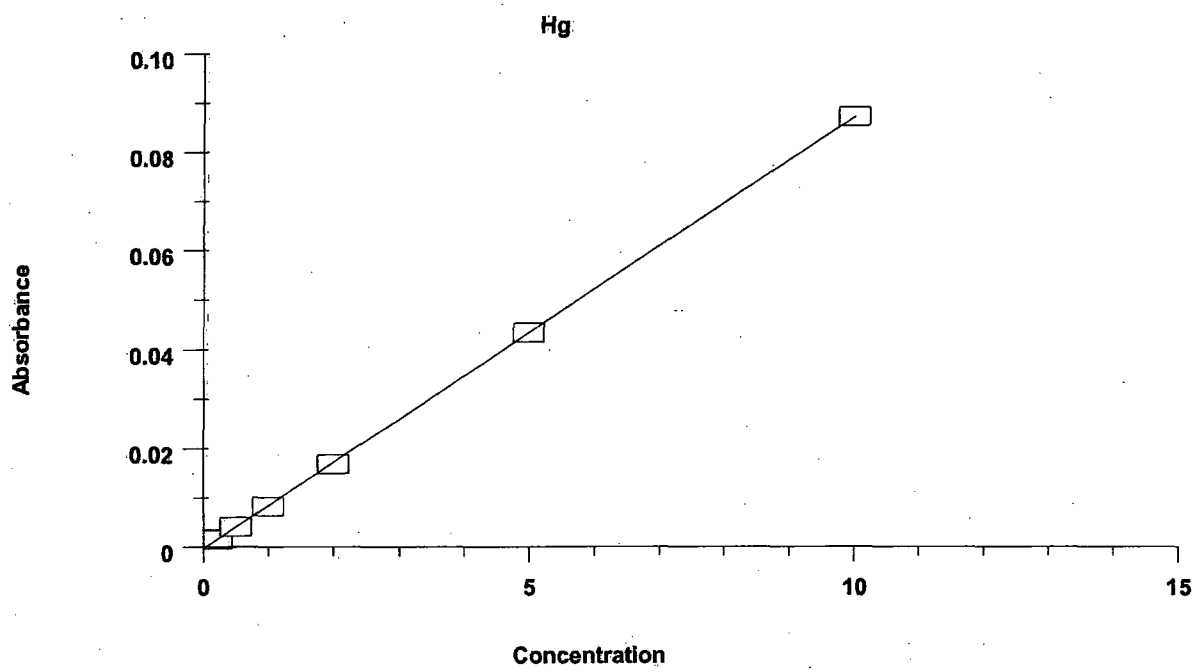
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0884	0.1853	0.0884	11:00:27	No
2			0.0863	0.1795	0.0863	11:00:56	No
Mean:			0.0873				
SD :			0.0015				
%RSD:			1.6741				

[Hg] Standard number 6 applied. [10.000]
Correlation Coefficient: 0.99997 Slope: 0.00876
Intercept : -0.00033

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0001	-----	----	----	----
S0.2	0.0016	0.20000	0.21654	0.000003	0.2
S0.5	0.0041	0.50000	0.50171	0.000089	2.2
S1.0	0.0082	1.00000	0.97578	0.000224	2.7
S2.0	0.0168	2.00000	1.9578	0.000278	1.7
S5.0	0.0435	5.00000	5.0003	0.000262	0.6
S10.0	0.0873	10.00000	10.010	0.001462	1.7

Correlation Coefficient: 0.99997 Slope: 0.00876 Intercept: -0.0003



Element: Hg Seq. No.: 30 AS Loc.: 8 Date: 12/14/2007
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.6597	3.6597	0.0317	0.0718	0.0318	11:01:57	No
2	3.5803	3.5803	0.0310	0.0662	0.0311	11:02:26	No
Mean:	3.6200	3.6200	0.0314				
SD :	0.056122	0.056122	0.0005				
%RSD:	1.6	1.6	1.5666				

QC value within specified limits.

Element: Hg Seq. No.: 31 AS Loc.: 1 Date: 12/14/2007
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12225	0.12225	0.0007	0.0025	0.0008	11:03:24	No
2	0.12910	0.12910	0.0008	0.0021	0.0009	11:03:53	No
Mean:	0.12567	0.12567	0.0008				
SD :	0.004842	0.004842	0.0000				

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%RSD: 3.9 3.9 5.4961
QC value within specified limits.

==========
Element: Hg Seq. No.: 32 AS Loc.: 2 Date: 12/14/2007
Sample ID: CRI

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24170	0.24170	0.0018	0.0044	0.0018	11:04:48	No
2	0.26103	0.26103	0.0020	0.0047	0.0020	11:05:17	No
Mean:	0.25137	0.25137	0.0019				
SD :	0.013666	0.013666	0.0001				
%RSD:	5.4	5.4	6.3920				

QC value within specified limits.

==========
Element: Hg Seq. No.: 33 AS Loc.: 6 Date: 12/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9501	4.9501	0.0430	0.0907	0.0431	11:06:14	No
2	4.8197	4.8197	0.0419	0.0878	0.0419	11:06:43	No
Mean:	4.8849	4.8849	0.0424				
SD :	0.092204	0.092204	0.0008				
%RSD:	1.9	1.9	1.9021				

QC value within specified limits.

==========
Element: Hg Seq. No.: 34 AS Loc.: 1 Date: 12/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12354	0.12354	0.0008	0.0024	0.0008	11:07:40	No
2	0.13003	0.13003	0.0008	0.0019	0.0009	11:08:09	No
Mean:	0.12678	0.12678	0.0008				
SD :	0.004592	0.004592	0.0000				
%RSD:	3.6	3.6	5.1480				

QC value within specified limits.

==========
Element: Hg Seq. No.: 35 AS Loc.: 17 Date: 12/14/2007
Sample ID: HGBLK07 / PBW07

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.07930	0.07930	0.0004	0.0011	0.0004	11:09:04	No
2	0.09069	0.09069	0.0005	0.0011	0.0005	11:09:34	No
Mean:	0.08499	0.08499	0.0004				
SD :	0.008056	0.008056	0.0001				
%RSD:	9.5	9.5	16.9892				

==========
Element: Hg Seq. No.: 36 AS Loc.: 18 Date: 12/14/2007
Sample ID: HGLCS07 / LCSW07

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.5047	3.5047	0.0304	0.0673	0.0304	11:10:29	No
2	3.3795	3.3795	0.0293	0.0633	0.0293	11:10:58	No
Mean:	3.4421	3.4421	0.0298				
SD :	0.088520	0.088520	0.0008				
%RSD:	2.6	2.6	2.6001				

000000151

==========

Element: Hg Seq. No.: 37 AS Loc.: 19 Date: 12/14/2007
Sample ID: 0008750-01/MH23M6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24369	0.24369	0.0018	0.0049	0.0019	11:11:53	No
2	0.21349	0.21349	0.0015	0.0040	0.0016	11:12:23	No
Mean:	0.22859	0.22859	0.0017				
SD :	0.021357	0.021357	0.0002				
%RSD:	9.3	9.3	11.1808				

Element: Hg Seq. No.: 38 AS Loc.: 20 Date: 12/14/2007
Sample ID: 0008750-01D/MH23M6D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14319	0.14319	0.0009	0.0027	0.0010	11:13:18	No
2	0.15993	0.15993	0.0011	0.0028	0.0011	11:13:47	No
Mean:	0.15156	0.15156	0.0010				
SD :	0.011836	0.011836	0.0001				
%RSD:	7.8	7.8	10.3841				

Element: Hg Seq. No.: 39 AS Loc.: 21 Date: 12/14/2007
Sample ID: 0008750-01S/MH23M6S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.98196	0.98196	0.0083	0.0185	0.0083	11:14:42	No
2	0.98046	0.98046	0.0083	0.0178	0.0083	11:15:11	No
Mean:	0.98121	0.98121	0.0083				
SD :	0.001062	0.001062	0.0000				
%RSD:	0.1	0.1	0.1126				

Element: Hg Seq. No.: 40 AS Loc.: 22 Date: 12/14/2007
Sample ID: 0008750-02/MH23J2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.55815	0.55815	0.0046	0.0120	0.0046	11:16:06	No
2	0.55246	0.55246	0.0045	0.0120	0.0046	11:16:35	No
Mean:	0.55531	0.55531	0.0045				
SD :	0.004025	0.004025	0.0000				
%RSD:	0.7	0.7	0.7775				

Element: Hg Seq. No.: 41 AS Loc.: 23 Date: 12/14/2007
Sample ID: 0008750-03/MH23L8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.08600	0.08600	0.0004	0.0015	0.0005	11:17:31	No
2	0.08736	0.08736	0.0004	0.0010	0.0005	11:18:00	No
Mean:	0.08668	0.08668	0.0004				
SD :	0.000964	0.000964	0.0000				
%RSD:	1.1	1.1	1.9625				

Element: Hg Seq. No.: 42 AS Loc.: 24 Date: 12/14/2007
Sample ID: 0008750-04/MH23L0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.51522	0.51522	0.0042	0.0108	0.0042	11:18:55	No
2	0.51628	0.51628	0.0042	0.0108	0.0043	11:19:24	No

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Mean:	0.51575	0.51575	0.0042
SD :	0.000753	0.000753	0.0000
%RSD:	0.1	0.1	0.1575

==========

Element: Hg Seq. No.: 43 AS Loc.: 25 Date: 12/14/2007
Sample ID: 0008750-05/MH24B1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06422	0.06422	0.0002	0.0007	0.0003	11:20:19	No
2	0.07027	0.07027	0.0003	0.0006	0.0003	11:20:48	No
Mean:	0.06725	0.06725	0.0003				
SD :	0.004278	0.004278	0.0000				
%RSD:	6.4	6.4	14.4185				

==========

Element: Hg Seq. No.: 44 AS Loc.: 2 Date: 12/14/2007
Sample ID: CRI

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.20613	0.20613	0.0015	0.0038	0.0015	11:21:45	No
2	0.20317	0.20317	0.0014	0.0030	0.0015	11:22:14	No
Mean:	0.20465	0.20465	0.0015				
SD :	0.002089	0.002089	0.0000				
%RSD:	1.0	1.0	1.2503				

QC value within specified limits.

==========

Element: Hg Seq. No.: 45 AS Loc.: 6 Date: 12/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.7903	4.7903	0.0416	0.0891	0.0417	11:23:11	No
2	4.6621	4.6621	0.0405	0.0845	0.0406	11:23:40	No
Mean:	4.7262	4.7262	0.0411				
SD :	0.090637	0.090637	0.0008				
%RSD:	1.9	1.9	1.9331				

QC value within specified limits.

==========

Element: Hg Seq. No.: 46 AS Loc.: 1 Date: 12/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.09149	0.09149	0.0005	0.0016	0.0005	11:24:37	No
2	0.08611	0.08611	0.0004	0.0010	0.0005	11:25:06	No
Mean:	0.08880	0.08880	0.0004				
SD :	0.003801	0.003801	0.0000				
%RSD:	4.3	4.3	7.4203				

QC value within specified limits.

==========

Element: Hg Seq. No.: 47 AS Loc.: 26 Date: 12/14/2007
Sample ID: ZZZZZ

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.79205	0.79205	0.0066	0.0168	0.0067	11:26:03	No
2	0.80543	0.80543	0.0067	0.0169	0.0068	11:26:32	No
Mean:	0.79874	0.79874	0.0067				
SD :	0.009457	0.009457	0.0001				
%RSD:	1.2	1.2	1.2424				

000000153

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Sample Digestion – Logbook
ICP-AES

Effective	Area	Type	Number	Version	RCN
09-Nov-06	QA	FORM	2FORM05	1.0	675-0813

Method: ILM05.4
Prep Start Date &Time: 12-13-07 / 10:0a
Prep End Date &Time: 12-13-07 / 2:0 pm
HCl ID (conc. / 1 :1): 637-117-07

SOP: 2 SOP01
LCS ID: A709051
MS ID: see comments
HNO_3 ID (conc. / 1 :1) : 637-116-07

Circle One: Total / Dissolved
Prep Code: HW1
Temperature of Hot Block: 95 °C
H_2O_2 ID : NA

Sample Matrix: water
Prep Batch ID: ICPBLK50
Thermometer ID: 1
Others : NA

Lab Sample ID	Client Sample ID	Sample Aliquot G / mL	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
ICPBLK50	PBW50	50.0	50.0	1.0	10.0	2.0	NA	NA	NA	11/11	A/A		
ICPLCS50	LCSW50						5000						
0008750-01	MH23M6						NA						
0008750-01D	MH23M6D												500 µL A070721
0008750-01S	MH23M6S							see comments					200 µL 637-128-07
0008750-02	MH23J2							NA					500 µL 637-48-07
03	L8												
04	L0												
05	MH24B1												

SJ. 12-13-07

Spiked by: S.J
Spike verified By: [illegible]
Digested By: S.J
Received for analysis by/Date: [illegible] 12/13/07
Reviewed by/Date : [illegible] 12/13/07

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.

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Mercury Preparation-Logbook				
Effective	Area	Type	Number	Version	RCN
13-Aug-2007	Wetchem	2FORM06	1257	1.0	684-0913

CIRCLE APPROPRIATE: **Total / Dissolved** DATE/TIME: 12-13-07/18:00 MATRIX: water

METHOD: ICM 05.4 SOP ID: 250P02 BATCH ID: _____ ANALYST: SS

ICV ID: A606028 LCS ID: A606028 MS ID: 637-154-07 WORKING STD ID: 637-154-07

HNO_3 ID: A708022 H_2SO_4 ID: A705015 POT. PERMANGANTE ID 686-40-07

POT. PERSULFATE ID: 686-41-07 NaCl-H_3NO.HCL: 686-42-07

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE ALIQUOT gm mL	FINAL VOLUME (mL)	DILUTION FACTOR	COMMENTS
ICB/S0/CCB	ICB/S0/CCB	50	50	1.0	—
CRI/S0.2	CRI/S0.2				10 mL 637-154-07
S0.5	S0.5				25 mL
S1.0	S1.0				50
S2.0	S2.0				100
CCV/S5.0	CCV/S5.0				250
S10.0	S10.0				500
ICV	ICV				500 mL A606028
HGBLK07	PBW07				—
HGLCS07	LCSW07				500 mL A606028
6008750-01	MH23M6				
-01D	M6D				
-01S	M6S				50 mL 637-154-07
02	J2				
03	L8				
04	L0				
05	MH24B1				
				12-13-07	

Notes: _____

Analyst/Date: S.S / 12-13-07 Reviewer/Date: SW 12/13/07.

Received for Analysis By/Date: SW 12/13/07.

0000000155

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	TCLP EXTRACTION LOGBOOK			
Effective	Area	Type	Number-Version	RCN
13-DEC-2007	QA	FORM	6FORM10-A	696-1213

Start Date: 12-12-07 Start Time: 14:00 Analyst: CL Extraction Fluid #1 ID: 686-77-07.

End Date: 12-13-07 End Time: 8:15 Analyst: CL Extraction Fluid #2 ID: —

Sample ID	Client ID	Aqueous Phase (g)	Solid Phase (g)	Percent Solids	Extraction Fluid # & mL	Sample Weight (g)	Extract Filtrate (g)	Combination Amount (g)
IEQBLK50/HMPRO	PBW50/PBW07	NA	NA	100%	500	25	500	NA
0008750-01	MH23M6							
-01D	MH23M6D							
-02	MH23J2							
-03	MH23L8							
-04	MH23L0							
-05	MH24B1							

Received by: S. 12-13-07 Date/Time: 12/13/07 9:45

Reviewer: SMO 12/14/07

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	TCLP PERCENT SOLIDS DETERMINATION LOGBOOK				
Effective	Area	Type	Number	Version	RCN
25-JUNE-07	QA	FORM	6FORM11	1.0	688-1018

Analyst: CL Date: 12/12/07 Time: 13:00 SOP ID#: A4-MET-206-A

		SAMPLE			LIQUID PHASE			SOLID PHASE			
Lab Sample ID	Client Sample ID	Weight of Sample Beaker + Sample	Weight of sample Beaker after filtering	Sample Weight (A)	Weight of Filtrate Beaker + Liquid phase	Filtrate Beaker Empty Weight	Liquid Phase Weight (B)	Solid phase + Filter Paper Weight	Filter paper Weight	Solid Phase Weight (C)	Percent Solids = C/A*100
0008750-01	MH23M6		Sample matrix is soil and there is no free liquid to filter								
02	J2										
03	L8										
-04	20										
-05	MH24B1										

Analyst: CL Date/Time: 12/12/07 Reviewer: [illegible] Date/Time: 12/12/07 13:15

NOTES:

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CLP ILM05.3 ICP-AES Instrument Run Log

Instrument ID: B-ICP6500

Effective	Area	Type	Number	Version	RCN
25-Mar-07	MET	FORM	2FORM03	1.0	665-0716

START DATE: 12-17-07 START TIME: 10:12 END DATE: 12-17-07 END TIME: 11:41
SEQUENCE: TA12071217A CALIBRATION ID: — ANALYTICAL METHOD: ILM05.4
SOP: 256p06 CAL STD ID 686-70-07 ICV/CCV ID: 686-72-07 / 686-71-07
ICB/CCB ID: 686-69-07 CRI ID: 686-73-07 2% HNO3 ID: 686-69-07
ICSA ID: 686-74-07 ICSAB ID: 686-74-07 ISTD ID: 685-75-07

CLIENT SAMPLE ID	LAB SAMPLE ID	DILUTION	PREP BATCH ID	COMMENTS
see attached computer generated printout				
sample analyzed: 0708750-1 to 0708750-5				
TCLP: As, Cd, + Pd only				
		SS 12-17-07		

NOTES :

ANALYST/DATE: 12/17/07 REVIEWER/DATE: RRB 12/17/07

00000158

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Instrument Run Log

Instrument ID: B-ICAP6500

Runlog,Logbook (RCN#/Page#): 665-0716 / 117 Analyst/Date: SW 12/17/07.
Method: ILM05.4 SOP: 2 SOP06 Reviewer/Date: RAP 12/17/07
Sequence: TAL20071217A Analysis Start: 12/17/07 10:12:33
Data File: TAL20071217A.txt Analysis End: 12/17/07 11:41:10

No	Lab Sample	Client Sample	Date	Time	D/F	In2306	Y_2243	Y_3600	Y_3710	Comments
0	S0	S0	12/17/07	10:12:33	1	100	100	100	100	
0	S	S	12/17/07	10:15:16	1	94	97	97	97	
0	ICV1	ICV	12/17/07	10:17:54	1	96	98	99	90	
0	ICB1	ICB	12/17/07	10:20:27	1	99	99	100	93	
0	CRDL1	CRI	12/17/07	10:23:12	1	99	98	100	90	
0	ICS-A1	ICSA	12/17/07	10:25:51	1	84	89	92	86	
0	ICS-AB1	ICSAB	12/17/07	10:28:42	1	83	89	92	86	
0	CCV1	CCV	12/17/07	10:31:29	1	96	96	100	87	
0	CCB1	CCB	12/17/07	10:34:11	1	99	97	101	87	
0	ICPBLKS0	PBWS0	12/17/07	10:36:54	1	99	97	101	86	
0	ICPLCSS0	LCSWS0	12/17/07	10:39:39	1	101	101	100	93	
0	0008750-01	MH23M6	12/17/07	10:42:14	1	77 *	83	86	83	
0	0008750-01D	MH23M6D	12/17/07	10:45:08	1	78 *	83	87	85	
0	0008750-01S	MH23M6S	12/17/07	10:48:03	1	79 *	86	87	88	
0	0008750-01L	MH23M6L	12/17/07	10:50:53	5	90	94	95	92	
0	0008750-02	MH23J2	12/17/07	10:53:41	1	79 *	85	87	91	
0	0008750-03	MH23L8	12/17/07	10:56:33	1	80	86	88	90	
0	0008750-04	MH23L0	12/17/07	10:59:33	1	78 *	84	86	90	
0	BLANK	BLANK	12/17/07	11:02:36	1	97	97	103	110	
0	CCV2	CCV	12/17/07	11:05:20	1	97	98	98	85	
0	CCB2	CCB	12/17/07	11:08:01	1	99	99	102	97	
0	0008750-05	MH24B1	12/17/07	11:10:46	1	77 *	83	87	77 *	
0	Z0008750-01S	ZMH23M6S	12/17/07	11:13:42	1	77 *	84	89	93	
0	BLANK	BLANK	12/17/07	11:16:33	1	100	98	104	85	
0	BLANK	BLANK	12/17/07	11:19:17	1	99	97	101	90	
0	BLANK	BLANK	12/17/07	11:22:04	1	99	97	101	87	
0	BLANK	BLANK	12/17/07	11:24:48	1	97	95	105	80	
0	ZCRI	ZCRI	12/17/07	11:27:31	1	100	98	102	82	
0	CRDL2	CRI	12/17/07	11:30:12	1	99	97	100	95	
0	ICS-A2	ICSA	12/17/07	11:32:52	1	84	88	91	88	

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Instrument Run Log

Instrument ID: B-ICAP6500

Runlog,Logbook (RCN#/Page#): 665-0716 /117 Analyst/Date: SW 12/17/07.

Method: ILM05.4 SOP: 2 sop 06 Reviewer/Date: ARB 12/17/07

Sequence: TAL20071217A Analysis Start: 12/17/07 10:12:33

Data File: TAL20071217A.txt Analysis End: 12/17/07 11:41:10

No	Lab Sample	Client Sample	Date	Time	D/F	In2306	Y_2243	Y_3600	Y_3710	Comments
0	ICS-AB2	ICSAB	12/17/07	11:35:41	1	84	88	90	92	
0	CCV3	CCV	12/17/07	11:38:28	1	95	96	98	94	
0	CCB3	CCB	12/17/07	11:41:10	1	99	97	99	97	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	**Mercury Analyzer-Logbook** Instrument ID: A-FIMS100				
Effective	Area	Type	Number	Version	RCN
25-MAR-07	**MET**	**FORM**	**2FORM02**	**1.0**	**632-0403**

START DATE: 12-14-07 START TIME: 10:52:26 END DATE: 12-14-07 END TIME: 11:25:06

SEQUENCE: HG1214A CALIBRATION ID: — SOP: 2SOP03

ANALTICAL METHOD: ILM05.4 SNCL$_2$ ID: 686-79-07 3% HCL ID: 686-78-07

CLIENT SAMPLE ID	LAB SAMPLE ID	DILUTION	PREP BATCH ID	STANDARD ID / COMMENTS
	see attached computer generated printout			
sample	analyzed:	0008750-01	to	0008750-05 (TCLP)
			S.S. 12-14-07	

NOTES:

ANALYST/DATE: S.S / 12-14-07 REVIEWER/DATE: [signature] 12/[illegible]

0000151

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Instrument Run Log

Instrument ID: A-FIMS100

Runlog, Logbook (RCN#/Page#): 632-0403 / 51
Analysis Date: 12-14-07
Sequence: HG1214A
Analyst/Date: S.S / 12-14-07
Method: ILM05.4
Reviewer/Date: SW 12/19/07.
SOP: ~~HG1214A~~ 250P03

No.	Lab Sample / Client Sample	Analysis Date	Analysis Time	DF	Data File	Standard ID & Comments
1	~~S0 / S0~~	~~12/14/07~~	~~09:56:19~~	~~1.00~~	~~HG1214A.TXT~~	~~not used~~
2	S0.2 / S0.2	12/14/07	09:57:44	1.00	HG1214A.TXT	
3	S0.5 / S0.5	12/14/07	09:59:09	1.00	HG1214A.TXT	
4	S0 / S0	12/14/07	10:03:49	1.00	HG1214A.TXT	
5	S0 / S0	12/14/07	10:12:07	1.00	HG1214A.TXT	
6	S0.2 / S0.2	12/14/07	10:13:32	1.00	HG1214A.TXT	
7	S0.5 / S0.5	12/14/07	10:14:57	1.00	HG1214A.TXT	
8	S1.0 / S1.0	12/14/07	10:16:22	1.00	HG1214A.TXT	
9	S2.0 / S2.0	12/14/07	10:17:48	1.00	HG1214A.TXT	
10	S5.0 / S5.0	12/14/07	10:19:13	1.00	HG1214A.TXT	
11	S10.0 / S10.0	12/14/07	10:20:39	1.00	HG1214A.TXT	
12	ICV1 / ICV	12/14/07	10:22:08	1.00	HG1214A.TXT	
13	ICB1 / ICB	12/14/07	10:23:35	1.00	HG1214A.TXT	
14	S0 / S0	12/14/07	10:25:36	1.00	HG1214A.TXT	
15	S0.2 / S0.2	12/14/07	10:27:01	1.00	HG1214A.TXT	
16	S0.5 / S0.5	12/14/07	10:28:26	1.00	HG1214A.TXT	
17	S1.0 / S1.0	12/14/07	10:29:51	1.00	HG1214A.TXT	
18	S2.0 / S2.0	12/14/07	10:31:15	1.00	HG1214A.TXT	
19	S5.0 / S5.0	12/14/07	10:32:41	1.00	HG1214A.TXT	
20	S10.0 / S10.0	12/14/07	10:34:06	1.00	HG1214A.TXT	
21	ICV2 / ICV	12/14/07	10:35:35	1.00	HG1214A.TXT	
22	~~ICB2 / ICB~~	~~12/14/07~~	~~10:37:02~~	~~1.00~~	~~HG1214A.TXT~~	
23	S0 / S0	12/14/07	10:52:26	1.00	HG1214A.TXT	
24	S0.2 / S0.2	12/14/07	10:53:50	1.00	HG1214A.TXT	
25	S0.5 / S0.5	12/14/07	10:55:16	1.00	HG1214A.TXT	
26	S1.0 / S1.0	12/14/07	10:56:41	1.00	HG1214A.TXT	
27	S2.0 / S2.0	12/14/07	10:58:06	1.00	HG1214A.TXT	
28	S5.0 / S5.0	12/14/07	10:59:31	1.00	HG1214A.TXT	
29	S10.0 / S10.0	12/14/07	11:00:56	1.00	HG1214A.TXT	
30	ICV3 / ICV	12/14/07	11:02:26	1.00	HG1214A.TXT	0000000162

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Instrument Run Log

Instrument ID: A-FIMS100

Runlog, Logbook (RCN#/Page#): 632-0403 / 51 *Analysis Date:* 12-14-07
Sequence: HG1214A *Analyst/Date:* S.S / 12-19-07
Method IEM05.4 *Reviewer/Date:* [illegible] 12/19/07
SOP ~~HG1214A~~ 2 SOP03

No.	Lab Sample / Client Sample	Analysis Date	Analysis Time	DF	Data File	Standard ID & Comments
31	ICB3 / ICB	12/14/07	11:03:53	1.00	HG1214A.TXT	
32	CRDL1 / CRI	12/14/07	11:05:17	1.00	HG1214A.TXT	
33	CCV1 / CCV	12/14/07	11:06:43	1.00	HG1214A.TXT	
34	CCB1 / CCB	12/14/07	11:08:09	1.00	HG1214A.TXT	
35	HGBLK07 / PBW07	12/14/07	11:09:34	1.00	HG1214A.TXT	
36	HGLCS07 / LCSW07	12/14/07	11:10:58	1.00	HG1214A.TXT	
37	0008750-01 / MH23M6	12/14/07	11:12:23	1.00	HG1214A.TXT	
38	0008750-01D / MH23M6D	12/14/07	11:13:47	1.00	HG1214A.TXT	
39	0008750-01S / MH23M6S	12/14/07	11:15:11	1.00	HG1214A.TXT	
40	0008750-02 / MH23J2	12/14/07	11:16:35	1.00	HG1214A.TXT	
41	0008750-03 / MH23L8	12/14/07	11:18:00	1.00	HG1214A.TXT	
42	0008750-04 / MH23L0	12/14/07	11:19:24	1.00	HG1214A.TXT	
43	0008750-05 / MH24B1	12/14/07	11:20:48	1.00	HG1214A.TXT	
44	CRDL2 / CRI	12/14/07	11:22:14	1.00	HG1214A.TXT	
45	CCV2 / CCV	12/14/07	11:23:40	1.00	HG1214A.TXT	
46	CCB2 / CCB	12/14/07	11:25:06	1.00	HG1214A.TXT	
~~47~~	~~ZZZZZ / ZZZZZ~~	~~12/14/07~~	~~11:26:32~~	~~1.00~~	~~HG1214A.TXT~~	~~[illegible]~~
48	ZZZZZ / ZZZZZ	12/14/07	11:27:57	1.00	HG1214A.TXT	
49	ZZZZZ / ZZZZZ	12/14/07	11:29:21	1.00	HG1214A.TXT	
50	ZZZZZ / ZZZZZ	12/14/07	11:30:46	1.00	HG1214A.TXT	
51	ZZZZZZ / ZZZZZZ	12/14/07	11:32:10	1.00	HG1214A.TXT	
52	ZZZZZ / ZZZZZ	12/14/07	11:33:34	1.00	HG1214A.TXT	
53	ZZZZZ / ZZZZZ	12/14/07	11:35:02	1.00	HG1214A.TXT	
54	CRDL3 / CRI	12/14/07	11:36:27	1.00	HG1214A.TXT	
55	CCV3 / CCV	12/14/07	11:37:52	1.00	HG1214A.TXT	
56	CCB3 / CCB	~~12/14/07~~	~~11:39:20~~	~~1.00~~	~~HG1214A.TXT~~	

00000163

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number: 686-69-07	**Analyst:** SJ
Solution Name: 2% HNO3	
Dilution Solvent #: DI water	
Prep Date: 12-10-07	**Total Vol. (ml):** 2000 ml
Expiration Date: 12-10-08	

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
HNO3 (A710032)	neat	40	2% v/v
	SJ		
	12-10-07		

NOTES _____

REVIEWER (SIGN): SW DATE: 12/10/07

00000164

Table 5. Solution and standards preparation chart

2% NITRIC ACID (**S0, ICB, CCB**)

STANDARD	VENDOR	CAT#	CONC (µg/ml)	SPIKE VOLUME (mL)	FINAL CONC
Nitric Acid	EMD	NX0407-2		20	2%
Reagent water				980	
			TOT. VOL.	1000	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number: 686-70-07	**Analyst:** SJ
Solution Name: S (AES)	
Dilution Solvent #: 2% HNO_3 (686-65-07)	
Prep Date: 12-10-07	**Total Vol. (ml):** 100
Expiration Date: 1-10-08	

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
CLP CAL sol A (A701003)	50 - 5000	500	0.25 → 25
CLP CAL sol B (A701004)	250	500	1.25
CLP CAL 2 (A701006)	1000	250	2.5
CLP CAL 3 (A605036)	500 - 1000	50	0.25 - 0.5
	SJ 12-10-07		

NOTES _____

REVIEWER (SIGN): SJ DATE: 12/10/07

000000166

Table 7. ICP/AES-Initial Calibration Standard (S)

Standard Name	Vendor & Catalog #	Element	Initial Conc. ug/L	Aliquot (uL)	Final Conc. ug/L
CLP-CAL-1, SOL A	High Purity #CLP-CAL-1, SOL A	Al	2,000,000	250	10,000
		Co	500,000		2,500
		Ni	500,000		2,500
		Ba	2,000,000		10,000
		Cu	250,000		1,250
		K	5,000,000		25,000
		Be	50,000		250
		Fe	1,000,000		5,000
		Na	5,000,000		25,000
		Ca	5,000,000		25,000
		Mg	5,000,000		25,000
		V	500,000		2,500
		Cr	200,000		1,000
		Mn	500,000		2,500
		Zn	500,000		2,500
CLP-CAL-1, SOL B	High Purity CLP-CAL-1, SOL B	Ag	250,000	250	1,250
CLP-CAL-2	High Purity CLP-CAL-2	Sb	1,000,000	125	2,500
CLP-CAL-3	High Purity CLP-CAL-3	As	1,000,000	25	500
		Cd	500,000		250
		Pb	1,000,000		500
		Tl	1,000,000		500
		Se	1,000,000		500
2% Nitric Acid (uL)				49,350	
Total Volume (uL)				50,000	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-71-07	**Analyst:**	
Solution Name:	CCV (AE5)		
Dilution Solvent #:	2% HNO_3 (686-69-07)		
Prep Date:	12-10-07	**Total Vol. (ml):**	100
Expiration Date:	01-10-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
CLP CAL sol A (A701003)	50-500	250	0.125 → 12.5
CLP CAL sol B (A701004)	250	250	0.625
CLP CAL 2 (A701006)	1000	125	1.25
CLP CAL 3 (A605036)	500-1000	25	0.125-0.25
	SJ		
	12-10-07		

NOTES _____

REVIEWER (SIGN): SJ DATE: 12/10/07

000000168

Table 8. ICP/AES-Continuing Calibration Verification Standard (CCV)

Standard Name	Vendor & Catalog #	Element	Initial Conc. ug/L	Aliquot (uL)	Final Conc. ug/L
CLP-CAL-1, SOL A	High Purity CLP-CAL-1, SOL A	Al	2,000,000	125	5,000
		Co	500,000		1,250
		Ni	500,000		1,250
		Ba	2,000,000		5,000
		Cu	250,000		625
		K	5,000,000		12,500
		Be	50,000		125
		Fe	1,000,000		2,500
		Na	5,000,000		12,500
		Ca	5,000,000		12,500
		Mg	5,000,000		12,500
		V	500,000		1,250
		Cr	200,000		500
		Mn	500,000		1,250
		Zn	500,000		1,200
CLP-CAL-1, SOL B	High Purity CLP-CAL-1, SOL B	Ag	250,000	125	625
CLP-CAL-2	High Purity CLP-CAL-2	Sb	1,000,000	62.5	1,250
CLP-CAL-3	High Purity CLP-CAL-3	As	1,000,000	12.5	250
		Cd	500,000		125
		Pb	1,000,000		250
		Tl	1,000,000		250
		Se	1,000,000		250
			2% Nitric Acid (uL)	49,675	
			Total Volume (uL)	50,000	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-72-07	**Analyst:**	S.J
Solution Name:	ICV (AES)		
Dilution Solvent #:	2% HNO_3 (686-69-07)		
Prep Date:	12-10-07	**Total Vol. (ml):**	100
Expiration Date:	01-10-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
ICV-1 (1201)	4920-101,000	10	492-10180
SJ			
	12-10-07		

NOTES _____

REVIEWER (SIGN): [signature] DATE: 12/10/07

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

Standard Name	Vendor Cat#	Element	Initial Conc. ug/L	Aliquot (uL)	Final Conc. ug/L
ICV-1 (1201)	EPA Ref Material ICV-1 (1201)	Al	24,820	1,000	2,482
		Sb	9,920		992
		As	9,960		996
		Ba	5,020		502
		Be	4,930		493
		Cd	4,940		494
		Ca	101,800		10,180
		Cr	4,900		490
		Co	4,960		496
		Cu	4,900		490
		Fe	51,070		5,107
		Pb	9,960		996
		Mg	60,030		6,003
		Mn	4,950		495
		Ni	4,920		492
		K	100,080		10,008
		Se	10,050		1,005
		Ag	4,950		495
		Na	100,390		10,039
		Tl	10,270		1,027
		V	5,010		501
		Zn	10,000		1,000
			2% Nitric Acid (uL)	9,000	
			Total Volume (uL)	10,000	

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-73-07	**Analyst:**	S.J
Solution Name:	CRI (AE)		
Dilution Solvent #:	2% HNO3 (686-69-07)		
Prep Date:	12-10-07	**Total Vol. (ml):**	200
Expiration Date:	01-10-07		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
ICLRQL-100 (A701005)	6-120	100	3-60
Pd (637-44-07)	10	140	7
Se (637-129-07)	↓	600	30
Tl (637-46-07)	↓	300	15
Zn (637-47-07	↓	800	40
	SJ 12-10-07		

NOTES _____

REVIEWER (SIGN): SW DATE: 12/10/07

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Table 10. ICP/MS-CRQL Check Standard (**CRI**)

Standard Name	VENDOR-CAT#	Element	CONC. (ug/L)	Aliquot (uL)	Final Conc. (ug/L)
CRDL Detect. Limits Std	High Purity # CRDL	Sb	120,000	25	60
		Co	100,000		50
		Se	10,000		5
		As	20,000		10
		Cu	50,000		25
		Ag	20,000		10
		Be	10,000		5
		Pb	6,000		3
		Tl	20,000		10
		Cd	10,000		5
		Mn	30,000		15
		V	100,000		50
		Cr	20,000		10
		Ni	80,000		40
		Zn	40,000		20
Lead 10PPM	High Purity 100028-1 (Diluted 100x to give 10PPM)	Pb	10,000	35	7
Selenium 10PPM	High Purity 100049-1 (Diluted 100x to give 10PPM)	Se	10,000	150	30
Thallium 10PPM	High Purity 100058-1 (Diluted 100x to give 10PPM)	Tl	10,000	75	15
Zinc 10PPM	High Purity 100068-1 (Diluted 100x to give 10PPM)	Zn	10,000	200	40
2% Nitric Acid (uL)			49,515		
Total Volume (uL)			50,000		

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-74-07	**Analyst:**	S.J
Solution Name:	ICSA & ICSAB		
Dilution Solvent #:	2% HNO3 (686-69-07)		
Prep Date:	12-10-07	**Total Vol. (ml):**	100 each
Expiration Date:	01-10-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
ICSA QATSA (A708052)	10-2488000	10.0	1-248800
— —	—	—	—
ICSA QATSA (A708052)	10-2488000	10.0	1-248800
ICSAB QATSB (A708002)	510-5541000	10.0	51-554100
	12-10-07		

NOTES _____

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Table 11. ICP/AES Interference Check Sample (ICSA)

Standard Name	VENDOR-CAT#	Element	Initial Conc. (ug/L)	Aliquot (uL)	Final Conc. (ug/L)
ICP-AES PART A	QATS ICP-AES PART A (0503)			2,500	
		Al	2,439,000		243,900
		Sb	0		0
		As	0		0
		Ba	20		2
		Be	0		0
		Cd	0		0
		Ca	2,341,000		234,100
		Cr	360		36
		Co	30		3
		Cu	150		15
		Fe	949,000		94,900
		Pb	50		5
		Mg	2,488,000		248,800
		Mn	190		19
		Ni	100		10
		Se	0		0
		Ag	0		0
		Tl	0		0
		V	10		1
		Zn	390		39
2% Nitric Acid (uL)			22,500		
Total Volume (uL)			25,000		

Table 12. ICP/AES Interference Check Sample (**ICSAB**)

Standard Name	VENDOR-CAT#	Element	Initial Conc. (ug/L)	Aliquot (uL)	Final Conc. (ug/L)
ICP-AES PART A	QATS ICP-AES PART A (0503)			2,500	
ICP-AES PART B	QATS ICP-AES PART B (0203)			2,500	
		Al	2,484,000		248,400
		Sb	5,850		585
		As	970		97
		Ba	4,750		475
		Be	4,820		482
		Cd	9,160		916
		Ca	2,343,000		234,300
		Cr	5,060		506
		Co	4,550		455
		Cu	5,370		537
		Fe	951,000		95,100
		Pb	510		51
		Mg	2,541,000		254,100
		Mn	4,830		483
		Ni	9,300		930
		Se	510		51
		Ag	2,100		210
		Tl	960		96
		V	4,810		481
		Zn	9,750		975
2% Nitric Acid (uL)			22,500		
Total Volume (uL)			25,000		

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, Quarterly Blind, CLP laboratory referee, and QATS 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 HNO3. 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 HNO3. Analyze this solution, Soln. AB, by ICP-AES.

NOTE: THIS ICS SET 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 Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-~~75~~ 69-07	**Analyst:**	S.J
Solution Name:	Internal std (AE)		
Dilution Solvent #:	2% HNO3 (686-68-07)		
Prep Date:	12-10-07	**Total Vol. (ml):**	1000
Expiration Date:	1-10-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
Y (A 850337)	1000	5.0	5.0
In (A708004)	10,000	4.0	400
	SJ		
	12-10-07		

NOTES _____

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-40-07	**Analyst:**	
Solution Name:	potassium permanganate		
Dilution Solvent #:	DI water		
Prep Date:	11/20/07	**Total Vol. (ml):**	2.000
Expiration Date:	11/20/08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
KmnO4 (A 060618)	neat	100g	5% (w/v)

NOTES _____

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-41-07	**Analyst:**	
Solution Name:	potassium persulfate		
Dilution Solvent #:	DI water		
Prep Date:	11/20/07	**Total Vol. (ml):**	2000
Expiration Date:	11/20/08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
potassium persulfate (A605022)	neat	100g	5%

NOTES _____

REVIEWER (SIGN): SW DATE: 11/23/07

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-42-07	**Analyst:**	
Solution Name:	Nacl - Hydroxylamine hydrochloride		
Dilution Solvent #:	DI water		
Prep Date:	11/20/07	**Total Vol. (ml):**	2000.
Expiration Date:	11/20/08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
Hydroxylamine Hydrochloride (A608037)	neat	120g	12%.
Nacl (A511010)	↓	↓	12%.

NOTES _____

REVIEWER (SIGN): RW DATE: 11/23/07.

000000181

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-76-07	**Analyst:**	S.S
Solution Name:	1N NaOH		
Dilution Solvent #:	DI water		
Prep Date:	12-11-07	**Total Vol. (ml):**	2000
Expiration Date:	01-11-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
NaOH A608036	solid ~~80~~ S.S	80 g	1N.
	S.S 12-11-07		

NOTES _____

REVIEWER (SIGN): SW DATE: 12/17/07.

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-77-07	**Analyst:**	S.U
Solution Name:	Extraction Fluid #1 (for TCLP-metals)		
Dilution Solvent #:	DI water		
Prep Date:	12-11-07	**Total Vol. (ml):**	4000
Expiration Date:	01-11-08		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
1N NaOH (686-76-07)	1N	257.2	pH - 4.93
Acetic acid (A605024)	pure	22.8	
	S.U		
	12-11-07		

NOTES _____

REVIEWER (SIGN): SW DATE: 12/17/07.

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-78-07	**Analyst:**	S.J
Solution Name:	3% HCl		
Dilution Solvent #:	DI water		
Prep Date:	12-14-07 SJ	**Total Vol. (ml):**	4000
Expiration Date:	01-13-07		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
HCl (A707.61)	neat	120	3% v/v
	SJ 12-13-07		

NOTES _____

REVIEWER (SIGN): _____ DATE: 12/19/07

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	686-1002

Solution Number:	686-79-07	**Analyst:**	S.J
Solution Name:	$SnCl_2$		
Dilution Solvent #:	DI water		
Prep Date:	12-17-07 (S.J)	**Total Vol. (ml):**	1000
Expiration Date:	01-17-07		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
$SnCl_2$ (A705009)	neat	11.0g	
HCl (A707061)	↓	30mL	
	S.J. 12-17-07		

NOTES _____

REVIEWER (SIGN): _____ DATE: 12/17/07

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A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Prep Logbook Metals				
Effective	Area	Type	Number	Version	RCN
13-Apr-07	QA	FORM	2FORM04	1.0	637-0413

Solution Number:	637-154-07	**Analyst:**	SM
Solution Name:	1 ppm Hg. Sol^n		
Dilution Solvent #:	2% HNO_3 (637-143-07)		
Prep Date:	09/16/07	**Total Vol. (ml):**	50
Expiration Date:	03/16/09		

Lab ID (Receipt Logbook)	Concentration (mg/l or ug/l)	Aliquot (ml or ul)	Final Concentration (mg/l or ug/l)
1000 ppm Hg stock sol^n (A207030)	1000	50	1-0

SM 09/16/07

NOTES _____

REVIEWER (SIGN): SM DATE: 09/16/07

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36948

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MH2360

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11/9/07

FedEx Express **US Airbill**

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03 11/9/07 943

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City

State

ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name

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Company

Recipient's Address

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8631 9857 5033

4a Express Package Service — *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [ ] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
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Obtain Recip. Acct. No. [ ]

Total Packages: 1

Total Weight: 8

Total Declared Value†: $ ____.00

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

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Project Code	Station No.	Month/Day/Year	Time	Designate: Comp. / Grab

Tag No. 8-311912

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE12-28A1X-1.0
Date: 10/30/2007 Time:11:00

Sample No: MH23M5
Analysis: TM

VOID 12-11-07

8702-16

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp. / Grab

Tag No. 8-242404

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE12-CNTY-0.5
Date: 10/30/2007 Time:14:00

Sample No: MH23M6
Analysis: TM

8750-01
8702-17

ANALYSES

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp. / Grab

Tag No. 8-242405

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE13-CNTY-0.5
Date: 10/30/2007 Time:13:25

Sample No: MH23M7
Analysis: TM

VOID 12-11-07

8702-18

Preservative: Yes ☐ No ☐

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12/20/07

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab

Station

Tag No. 8-311924

Case No:36948 Richardson Flat Tailing

Sample ID: UE06-CNTY-1.0
Date: 10/30/2007 Time:09:45

Sample No: MH23L6
Analysis: TM

Preservative: Yes ☐ No ☐

Lab Sample No.

VOID 22-11-07

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab

Stat

Tag No. 8-242408

Case No:36948 Richardson Flat Tailing

Sample ID: UE08-28-0.5
Date: 10/30/2007 Time:17:15

Sample No: MH23L7
Analysis: TM

Preservative: Yes ☐ No ☐

Lab Sample No.

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab

Stat

Tag No. 8-311925

Case No:36948 Richardson Flat Tailing

Sample ID: UE08-CNTY-0.05
Date: 10/30/2007 Time:09:15

Sample No: MH23L8
Analysis: TM

8750-03

Preservative: Yes ☐ No ☐

Lab Sample No.

189, 2/20/07

10-11-07

Project Code	Station No.	Month/Day/Year	Time	Designate: Grab

Tag No. 8-242419

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE05-50-0.5
Date: 11/2/2007 Time:10:55

Sample No: MH24B1
Analysis: TM

10-10/8 8750-05

ANALYSES

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp. Grab

Tag No. 8-250389

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE05-RR-0.5
Date: 11/2/2007 Time:12:45

Sample No: MH24B2
Analysis: TM

8705-02

ANALYSES

Preservative: Yes ☐ No ☐

12/10/07

Project Code	Station No.	Month/Day/Year	Time	Designate: Grab

Tag No. 8-250390

Lab Sample No.

Case No:36948 Richardson Flat Tailing

Sample ID: UE06-50-0.5
Date: 11/2/2007 Time:10:45

Sample No: MH24B3
Analysis: TM

8705-03

ANALYSES

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab

Tag No. 8-309966

Sta

Case No:36948 Richardson Flat Tailings

Sample ID: UE11-CNTY-0.5
Date: 10/30/2007 Time:11:20

Sample No: MH23J2
Analysis: TM

8750-02

4703-13

Lab Sample No.

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab

Tag No. 8-311194

Station Loca

Case No:36948 Richardson Flat Tailings

Sample ID: UE13-CNTY-1.0
Date: 10/30/2007 Time:13:35

Sample No: MH23J3
Analysis: TM

4703-14

28 12/10/07

Lab Sample No.

Preservative:

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab

Tag No. 8-309963

Station Location

Case No:36948 Richardson Flat Tailings

Sample ID: UE14-CNTY-0.5
Date: 10/30/2007 Time:13:10

Sample No: MH23J4
Analysis: TM

Remarks:

Bacteriology

Mutagenicity

Pesticides

4703-15

Lab Sample No.

Grab

Stati

Tag No. 8-311921

Case No:36948 Richardson Flat Tailing

Sample ID: UE01-44-0.5
Date: 10/30/2007 Time:09:15

Sample No: MH23L0
Analysis: TM

8750-04

Lab Sample No.

Preservative: Yes ☐ No ☐

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab

Station

Tag No. 8-311920

Case No:36948 Richardson Flat Tailing

Sample ID: UE01-44B-0.5
Date: 10/30/2007 Time:09:40

Sample No: MH23L1
Analysis: TM

8702-02

Lab Sample No.

Preservative: Yes ☐ No ☐

12-11-07

Project Code	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab

Stati

Tag No. 8-311923

Case No:36948 Richardson Flat Tailing

Sample ID: UE02-44-0.5
Date: 10/30/2007 Time:08:45

Sample No: MH23L2
Analysis: TM

8702-03

Lab Sample No.

Preservative: Yes ☐ No

12-11-07

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

Printed: 12/11/2007 8:54:47AM

Sample Log-in Report

WORK ORDER = 0008750

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : ILM05.4
Project Number : CLP SAMPLES
Courier/Airbill # : Fed Ex / 86398575033
COC/TR # : 80656029251106070002,1,1107070

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0008750-01	MH23M6	Soil	1	36948	MH23J2	10/30/07 14:00	12/11/07 08:00	ILM05.4-TOTAL HG	14	MS/DUP SDG 1STSX-MOD1509.0(TCLP,As,Cd,Pb)8702-17
								ILM05.4-TOTAL ICPAES	14	
0008750-02	MH23J2	Soil	1	36948	MH23J2	10/30/07 11:20	12/11/07 08:00	ILM05.4-TOTAL HG	14	MOD 1509.0(TCLP,As,Cd,Pb)8708-13
								ILM05.4-TOTAL ICPAES	14	
0008750-03	MH23L8	Soil	1	36948	MH23J2	10/30/07 09:15	12/11/07 08:00	ILM05.4-TOTAL HG	14	MOD 1509.0(TCLP,As,Cd,Pb)8702-09
								ILM05.4-TOTAL ICPAES	14	
0008750-04	MH23L0	Soil	1	36948	MH23J2	10/30/07 09:15	12/11/07 08:00	ILM05.4-TOTAL HG	14	MOD 1509.0(TCLP,As,Cd,Pb)8702-01
								ILM05.4-TOTAL ICPAES	14	
0008750-05	MH24B1	Soil	1	36948	MH23J2	11/02/07 10:55	12/11/07 08:00	ILM05.4-TOTAL HG	14	MOD 1509.0(TCLP,As,Cd,Pb)8706-01-SDG FINAL SX
								ILM05.4-TOTAL ICPAES	14	

0000001153

Jessica Schulz
Reviewed By

12-11-07
Date

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
25-June-06	QA	FORM	6FORM06	1.0	671-0802

Sample Custodian Check in:

Login Thermometer ID: T70197 Work Order: 8750

SAMPLE ID	CONTAINER TYPE & NO.	DATE/TIME SIGNED IN	SIGNED IN BY	SAMPLE ID	CONTAINER TYPE & NO.	DATE/ TIME SIGNED IN	SIGNED IN BY
8750-01 -05	1-Zip lock bag	12/10/07 1300	JS				
						JS 12/10/07	

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
8750-01 to -05	Zip lock bag	05	CL	12/12-07 10:00	TCLP-ICP & Hg	CL	12-12-07 1200	
							JS 12/20/07	

Container type: 40ml, 2WM, 4WM, 8WM, 16WM, 32WM, 1L Amber, 80 Amber, 1L Poly, 16 Poly, Other.

Empty containers must be returned to the SAMPLE CUSTODIAN and documented as empty.

00000194

jschulze@a4scientific.com

From: "Kramer, Caroline" <ckramer5@fedcsc.com>
To: <jschulze@a4scientific.com>; <pradeep@a4scientific.com>
Cc: <beard.carol@epa.gov>
Sent: Tuesday, December 11, 2007 8:14 AM
Subject: Region 08 | Case 36948 | Lab A4 | Issue Laboratory problems | FINAL

Jessica,
Summary Start
Issue 1: The laboratory would like confirmation on the samples scheduled for re-analysis are: MH24B1, MH23M6, MH23J2, MH23L8, MH23L0.
Resolution 1: Per communication with Region 8 on 12/6/2007, MH24B1, MH23M6, MH23J2, MH23L8, MH23L0 are the correct 5 samples being requested for re-analysis.

Issue 2: Per Scheduling five samples are to be reanalyzed for ICP-AES (As, Cd, and Pb) and five samples to be analyzed for (ICP-AES) Hg. The lab would like clarification if they need to assign one SDG or two separate SDG's for the reanalysis.
Resolution 2: Per Region 8, the laboratory may place all samples in one SDG since all 5 samples have the same analysis requested. The lab will note the issue in the SDG Narrative and proceed with the analysis.

Issue 3: The laboratory would like to confirm that these samples are being analyzed by TCLP for As, Cd, Pb, and Hg under MA 1509.0.
Resolution 3: Per MA 1509.0 Sol 401, the analysis should be TCLP for As, Cd, Pb, and Hg.

Issue 4: The lab would like to confirm the receipt date for the re-analysis.
Resolution 4: Per Region 8, the laboratory will proceed with a receipt date for the reanalysis of 12/11/07.
Summary End

Please let me know if you have any questions or problems.
Thank you,
Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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→ 12/11/07 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8. Carol indicated that for issue 2 the lab may place all samples in 1 SDG since they all have the same analysis, and Region 8 would like the lab receipt date for the reanalysis to be today, 12/11/07.

From: Kramer, Caroline
Sent: Tuesday, December 11, 2007 8:52 AM
To: Carol Beard (beard.carol@epa.gov)
Subject: Region 08 | Case 36948 | Lab A4 | Issue Laboratory problems

Carol-
A4 is reporting the following issues regarding Case 36948 reanalysis by TCLP. Please advise for Issues 2 and 4.

Issue 1: The laboratory would like confirmation on the samples scheduled for re-analysis are: MH24B1, MH23M6, MH23J2, MH23L8, MH23L0.
Resolution 1: Per communication with Region 8 on 12/6/2007, MH24B1, MH23M6, MH23J2, MH23L8, MH23L0 are the correct 5 samples being requested for re-analysis.

Issue 2: Per Scheduling five samples are to be reanalyzed for ICP-AES (As, Cd, and Pb) and five samples to be analyzed for (ICP-AES) Hg. The lab would like clarification if they need to assign one SDG or two separate SDG's for the reanalysis.

Issue 3: The laboratory would like to confirm that these samples are being analyzed by TCLP for As, Cd, Pb, and Hg under MA 1509.0.
Resolution 3: Per MA 1509.0 Sol 401, the analysis should be TCLP for As, Cd, Pb, and Hg.

Issue 4: The lab would like to confirm the receipt date for the re-analysis.

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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From: jschulze@a4scientific.com [mailto:jschulze@a4scientific.com]
Sent: Monday, December 10, 2007 5:39 PM
To: Kramer, Caroline
Cc: pakanati; EMAILS
Subject: Re: Region 08 | Case 36948 | Sample volume for re-analysis

Caroline,

Issue 1: Lab would like to confirm that the samples scheduled for re-analysis are those listed below:
MH24B1
MH23M6
MH23J2
MH23L8
MH23L0

Issue 2: Per Scheduling five samples are to be reanalyzed for ICP-AES(As, Cd and Pb) and five samples to be reanalyzed for (ICP-AES)Hg. Please clarify if lab is to assign one SDG or two separate SDG's, one for ICP-AES and the other for HG?

Issue 3: Lab likes to confirm that the samples are to be analyzed for **TCLP** As, Cd, and Pb (ICP-AES) and TCLP Hg (CV) per Mod 1509.0.

Issue 4: Lab would like to clarify the received date for re-analysis?

---- Original Message ----
From: Kramer, Caroline
To: jschulze@a4scientific.com ; pradeep@a4scientific.com
Sent: Thursday, December 06, 2007 10:24 AM
Subject: Region 08 | Case 36948 | Sample volume for re-analysis

Jessica,
Region 8 looking to re-analyze some samples from Case 36948 by TCLP. Could you please check to see if there is sufficient sample volume remaining for TCLP analysis for the following samples:
MH24B1
MH23M6
MH23J2
MH23L8
MH23L0
Please let me know if you have any questions.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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---

jschulze@a4scientific.com

From: "Kramer, Caroline" <ckramer5@fedcsc.com>
To: <jschulze@a4scientific.com>; <pradeep@a4scientific.com>
Cc: <beard.carol@epa.gov>
Sent: Tuesday, December 11, 2007 9:39 AM
Subject: Region 08 | Case 36948 | Lab A4 | SDG MH23J2 | Issue Insufficient/Inappropriate designation of laboratory QC | FINAL

Jessica,
Summary Start
Issue: Per Scheduling lab QC is required; however no sample was designated for QC in SDG MH23J2. The lab would like to select sample MH23M6.
Resolution: In accordance with previous direction from Region 8, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for lab QC, and proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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From: jschulze@a4scientific.com [mailto:jschulze@a4scientific.com]
Sent: Tuesday, December 11, 2007 9:59 AM
To: Kramer, Caroline
Cc: pakanati; EMAILS
Subject: CASE/SDG 36948/MH23J2

Caroline,

Issue: Per Scheduling Lab QC is required, however no sample was designated. Lab suggest sample MH23M6 for Lab QC.

Please let me know if you have any questions.
Thanks.

Jessica Schulze
A4 Scientific Inc.
1544 Sawdust Rd. Suite 505
The Woodlands, Texas 77380
(281) 292-5277