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Level IV Data Package

MWH Group 216651

Method: EPA 200.7

2709180347
2709180348

EPA 200.7/6010B QC Check List

Analyst STE Analysis Date ~~09/16/09~~ 09/19/09 Reviewer/Date MW 9/25/09

Instrumnet PerKin Elmer Optima 4300DV

✓ All sample analyzed within 6 month holding time

✓ All sample raw concentraction below the high standard or linear anged samples marked for dilution and rerun

Initial and closing QC
- ✓ ICV within +/- 5%
- ✓ Linearity check +/- 10%
- ✓ ICSAB +/- 20%
- ✓ 1 PPM check +/-/10%
- ✓ MRL +/- 50%

Middle, closing and batch QC
- ✓ FilterCheck < 1/2 MRL
- ✓ MBLANK < 1/2 MRL
- ✓ LCS +/-15%
- ✓ MS/MSD +/-/30%(200.7) +/- 25% (6010B)
- ✓ CCV/MCV/ECV +/- 10%
- ✓ ICB/CCB/ECB < 1/2 MRL
- ✓ CCB ran after the CCV

General QC
- ✓ RPD between MS/MSD is within +/-/20%
- ✓ RPD between LCS/LCSD is within +/- 20%
- ✓ Internal standards +/-20%
- ✓ All pH of the samples are < 2

✓ No more than 20 samples per batch

✓ MS is run at frequency of 1 every 10 samples and MSD is run at frequency of 1 every 20 samples

STE ~~n/a~~ QIR needed for failed QC

n/a Special Det Code noted on the cover sheet

n/a R value for multi point calibration is > 0.995

n/a Proper MRL check ran for special low MRL samples

Reagent and Standards used for
Optima 4300 DV
Updated 08/14/07

Int: STE
Date: 09/19/09

Method 200.7/6010

ICP SUMMARY SHEET

File ID: 070919C
Date Started: 9/19/07
Analyst ID: STE

SAMPLE ID

LINEARITY	(20:55)	Wash	(21:06)	LINEARITY	(21:26)
LINEARITY	(22:10)	Wash	(22:21)	FILTER CHECK	(22:40)
2709180418	(23:02)	B709050195	(23:38)	B709050190	(23:50)
2709070134_2	(23:54)	2709180419	(23:59)	B708060284	(0:24)
B708060279_1	(0:28)	B708060280_1	(0:33)	B708060282_1	(0:37)
2709180041	(0:42)	2709180381	(0:46)	2709180389	(0:50)
2709180478	(0:54)	2709180177	(0:58)	2709120252	(1:19)
2709130391	(1:30)	2709070397	(1:41)	2709070400	(2:02)
2709070402	(2:06)	2709100374	(2:11)	2709110426	(2:15)
2709110430	(2:19)	2709110433	(2:23)	2709110854	(2:27)
2709110896	(2:32)	2709120485	(2:36)	2709120305	(2:41)
2709120238	(2:58)	2709120254	(3:02)	2709130471	(3:07)
2709130770	(3:11)	2709180420	(3:27)	2709180533	(3:53)
2709180536	(3:58)	2709180537	(4:04)	2709180559	(4:09)
2709180560	(4:13)	2709180561	(4:18)	2709180562	(4:23)
2709180462	(4:27)	2709180347	(4:32)	2709180421	(4:36)
2709180348	(4:56)	2709180546	(5:01)	2709180556	(5:05)
2709180483	(5:10)	2709180481	(5:14)	2709180476	(5:19)
2709180755	(5:23)	2709180758	(5:28)	2709180762	(5:43)
2709180700	(5:57)	2709180759	(6:09)	2709180757	(6:13)
2709180087	(6:18)	2709180093	(6:35)	2709180037	(6:39)
2709180038	(6:43)	2709180034	(6:48)	2709180036	(6:52)
2709180039	(6:57)	2709180702	(7:01)	2709170387	(7:13)
2709170375	(7:31)	2709170386	(7:35)	2709170383	(7:39)
2709170378	(7:43)	2709170149	(7:47)	2709170379	(7:51)
2709170325	(7:56)	2709180730	(8:19)	2709170329	(8:30)
2709170233	(8:35)	2709170241	(8:39)	2709170232	(8:44)
2709170227	(8:48)	2709170369	(8:53)	2709170236	(8:56)
2709170238	(9:12)	2709170234	(9:16)	2709180722	(9:21)
2709170242	(9:33)	2709170237	(9:37)	2709170230	(9:41)
2709170239	(9:46)	2709170231	(9:50)	2709170240	(10:02)
2709180703	(10:06)	Wash	(10:18)		

COMMENT:

Analyst: STE

Approved By: MWE092807

BATCH NUMBER for 070919C

Test Parameter:

SCA YR AG AL AS B_ BA BE CA CD CO CR CU FE K MG MN MO NA NI

Batch ID: 2709180418

2709180418

Batch ID: B709050195

2709070134_2X	2709180419	2709180041
2709180381	2709180389	2709180478
2709180177		

Batch ID: 2709120252

2709120252	2709130391	2709070397
2709070400	2709070402	2709100374
2709110426	2709110430	2709110433
2709110854	2709110896	2709120485
2709120305	2709120238	2709120254
2709130471	2709130770	

Batch ID: 2709180420

2709180420	2709180533	2709180536
2709180537	2709180559	2709180560
2709180561	2709180562	2709180462
2709180347	2709180421	2709180348
2709180546	2709180556	2709180483
2709180481	2709180476	2709180755
2709180758	2709180762	

Batch ID: 2709180700

2709180700	2709180759	2709180757
2709180087	2709180093	2709180037
2709180038	2709180034	2709180036
2709180039	2709180702	2709170387
2709170375	2709170386	2709170383
2709170378	2709170149	2709170379
2709170325		

Batch ID: 2709180730

2709180730	2709170329	2709170233
2709170241	2709170232	2709170227
2709170369	2709170236	2709170238
2709170234	2709180722	2709170242
2709170237	2709170230	2709170239

2709170231 2709170240 2709180703

File ID: 070919C CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
ICV	9/19/07	20:52	1	9.9657	9.97	95-105	99.6%
LINEARITY	9/19/07	20:55	1	0.0013	.0013		
ICSA	9/19/07	20:59	1	-0.0010	ND	80-120	
ICSAB	9/19/07	21:03	1	.28905	.289	80-120	115%
Wash	9/19/07	21:06	1	-0.0002	ND		
QC-25 1ppm	9/19/07	21:12	1	1.0008	1.0		
ICV	9/19/07	21:23	1	9.8892	9.89	95-105	98.8%
LINEARITY	9/19/07	21:26	1	0.0012	.0012		
ICSA	9/19/07	21:35	1	-0.0007	ND	80-120	
ICSAB	9/19/07	21:38	1	.24561	.246	80-120	98.2%
ICSA	9/19/07	21:48	1	-0.0001	ND	80-120	
ICV	9/19/07	22:07	1	10.126	10.1	95-105	101%
LINEARITY	9/19/07	22:10	1	0.0021	.0021		
ICSA	9/19/07	22:14	1	-0.0009	ND	80-120	
ICSAB	9/19/07	22:18	1	.24888	.249	80-120	99.5%
Wash	9/19/07	22:21	1	0.0000	0.0000		
QC-25 1ppm	9/19/07	22:25	1	1.0608	1.1		
CCV	9/19/07	22:30	1	5.0828	5.08	90-110	101%
ICB	9/19/07	22:33	1	-0.0001	ND		
MRL	9/19/07	22:36	1	0.0103	.0103	50-150	102%
FILTER CHECK	9/19/07	22:40	1	0.0002	0.0001		
MRL 200.7	9/19/07	22:44	1	0.0104	.0104		
MRL/2	9/19/07	22:48	1	0.0102	.0102		
MBLANK	9/19/07	22:51	1	0.0002	0.0001		
LCS	9/19/07	22:55	1	1.0044	1.00	85-115	100%
LCSD	9/19/07	22:59	1	1.0006	1.00	85-115	100%
2709180418	9/19/07	23:02	1	0.0001	0.0000		
2709180418MS	9/19/07	23:06	1	1.0283	1.03	[1.028]	102%
2709180418MSD	9/19/07	23:10	1	1.0063	1.01	[1.006]	100%
2709180418T	9/19/07	23:10	1		1.00	70 - 130	
B - MRL 200.7	9/19/07	23:13	1	0.0102	.0102		
CCV	9/19/07	23:17	1	5.0585	5.06	90-110	101%
CCB	9/19/07	23:21	1	0.0001	0.0000		
B - MBLANK	9/19/07	23:24	1	-0.0000	ND		
B- LCS	9/19/07	23:28	1	.96363	.964	85-115	96.3%
B - LCSD	9/19/07	23:33	1	.99187	.992	85-115	99.1%
B709050195	9/19/07	23:38	1	0.0006	0.0006		
B709050195MS	9/19/07	23:44	1	1.0083	1.01	[1.008]	100%
B709050195MSD	9/19/07	23:47	1	.98731	.987	[0.987]	98.7%
B709050195T	9/19/07	23:47	1		1.00	70 - 130	
B709050190	9/19/07	23:50	1	0.0030	.003		
2709070134_2X	9/19/07	23:54	2	16.444	16		
2709180419	9/19/07	23:59	1	0.0006	0.0006		
2709180419MS	9/20/07	0:03	1	1.0097	1.01	[1.010]	100%
CCV	9/20/07	0:07	1	5.0733	5.07	90-110	101%
CCB	9/20/07	0:12	1	0.0003	0.0003		

File ID: 070919C CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
MCV	9/20/07	0:17	1	2.5386	2.54	90-110	101%
2709180419MSD	9/20/07	0:21	1	1.0022	1.00	[1.002]	100%
2709180419T	9/20/07	0:21	1		1.00	70 - 130	
B708060284	9/20/07	0:24	1	-0.0002	ND		
B708060279_10X	9/20/07	0:28	10	-0.0041	ND		
B708060280_10X	9/20/07	0:33	10	0.0103	.010		
B708060282_10X	9/20/07	0:37	10	-0.0060	ND		
2709180041	9/20/07	0:42	1	-0.0002	ND		
2709180381	9/20/07	0:46	1	0.0008	0.0008		
2709180389	9/20/07	0:50	1	-0.0001	ND		
2709180478	9/20/07	0:54	1	-0.0001	ND		
2709180177	9/20/07	0:58	1	0.0025	.0025		
CCV	9/20/07	1:02	1	4.9693	4.97	90-110	99.3%
CCB	9/20/07	1:06	1	0.0003	0.0002		
MBLANK 200.7	9/20/07	1:09	1	0.0002	0.0001		
LCS	9/20/07	1:13	1	.94617	.946	85-115	94.6%
LCSD	9/20/07	1:16	1	.93673	.937	85-115	93.6%
2709120252	9/20/07	1:19	1	0.0035	.0035		
2709120252MS	9/20/07	1:23	1	.97010	.97	[0.967]	96.6%
2709120252MSD	9/20/07	1:27	1	.95794	.958	[0.954]	95.4%
2709120252T	9/20/07	1:27	1		1.00	70 - 130	
2709130391	9/20/07	1:30	1	-0.0002	ND		
2709130391MS	9/20/07	1:34	1	.95095	.951	[0.951]	95.0%
2709130391MSD	9/20/07	1:38	1	.95355	.954	[0.954]	95.3%
2709130391T	9/20/07	1:38	1		1.00	70 - 130	
2709070397-DNR & FAIL.	9/20/07	1:41	1	0.0093	.0093		
CCV	9/20/07	1:46	1	4.9624	4.96	90-110	99.2%
CCB	9/20/07	1:55	1	0.0002	0.0001		
MCV	9/20/07	1:58	1	2.5009	2.5	90-110	100%
2709070400	9/20/07	2:02	1	0.0010	0.0009		
2709070402	9/20/07	2:06	1	0.0018	.0018		
2709100374	9/20/07	2:11	1	0.0002	0.0001		
2709110426	9/20/07	2:15	1	0.0751	.075		
2709110430	9/20/07	2:19	1	0.0688	.069		
2709110433	9/20/07	2:23	1	0.0032	.0032		
2709110854	9/20/07	2:27	1	0.0184	.018		
2709110896	9/20/07	2:32	1	0.0006	0.0006		
2709120485	9/20/07	2:36	1	0.0031	.0031		
2709120305	9/20/07	2:41	1	0.0035	.0035		
CCV	9/20/07	2:45	1	4.8969	4.9	90-110	97.9%
CCB	9/20/07	2:54	1	-0.0000	ND		
2709120238	9/20/07	2:58	1	0.0038	.0038		
2709120254	9/20/07	3:02	1	-0.0002	ND		
2709130471	9/20/07	3:07	1	0.0006	0.0005		
2709130770	9/20/07	3:11	1	0.0024	.0024		
MBLANK	9/20/07	3:16	1	0.0001	0.0000		
LCS	9/20/07	3:20	1	.95952	.96	85-115	95.9%
LCSD	9/20/07	3:23	1	.96393	.964	85-115	96.3%
2709180420	9/20/07	3:27	1	-0.0005	ND		

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Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2709180420MS	9/20/07	3:31	1	.94897	.949	0.949]	94.8%
2709180420MSD	9/20/07	3:35	1	.94174	.942	[0.942]	94.1%
2709180420T	9/20/07	3:35	1		1.00	70 - 130	
CCV	9/20/07	3:39	1	4.7816	4.78	90-110	95.6%
CCB	9/20/07	3:45	1	0.0000	0.0000		
MCV	9/20/07	3:49	1	2.4117	2.41	90-110	96.4%
2709180533	9/20/07	3:53	1	0.0012	.0012		
2709180536	9/20/07	3:58	1	0.0011	.0011		
2709180537	9/20/07	4:04	1	0.0013	.0013		
2709180559	9/20/07	4:09	1	0.0002	0.0001		
2709180560	9/20/07	4:13	1	0.0005	0.0005		
2709180561	9/20/07	4:18	1	0.0003	0.0002		
2709180562	9/20/07	4:23	1	0.0006	0.0005		
2709180462	9/20/07	4:27	1	0.0012	.0012		
2709180347	9/20/07	4:32	1	0.0066	.0066		
2709180421	9/20/07	4:36	1	0.0034	.0034		
CCV	9/20/07	4:41	1	4.7228	4.72	90-110	94.4%
CCB	9/20/07	4:45	1	-0.0000	ND		
2709180421MS	9/20/07	4:48	1	.96112	.961	[0.958]	95.7%
2709180421MSD	9/20/07	4:52	1	.94737	.947	[0.944]	94.3%
2709180421T	9/20/07	4:52	1		1.00	70 - 130	
2709180348	9/20/07	4:56	1	0.0153	.015		
2709180546	9/20/07	5:01	1	0.0068	.0068		
2709180556	9/20/07	5:05	1	-0.0004	ND		
2709180483	9/20/07	5:10	1	0.0008	0.0007		
2709180481	9/20/07	5:14	1	0.0409	.041		
2709180476	9/20/07	5:19	1	0.0011	.0011		
2709180755	9/20/07	5:23	1	0.0001	0.0001		
2709180758	9/20/07	5:28	1	-0.0000	ND		
CCV	9/20/07	5:32	1	4.8823	4.88	90-110	97.6%
CCB	9/20/07	5:36	1	0.0001	0.0001		
MCV	9/20/07	5:39	1	2.4913	2.49	90-110	99.6%
2709180762	9/20/07	5:43	1	-0.0003	ND		
MBLANK	9/20/07	5:47	1	0.0003	0.0002		
LCS	9/20/07	5:51	1	.98766	.988	85-115	98.7%
LCSD	9/20/07	5:54	1	.98258	.983	85-115	98.2%
2709180700	9/20/07	5:57	1	0.0003	0.0003		
2709180700MS	9/20/07	6:02	1	.96763	.968	[0.968]	96.7%
2709180700MSD	9/20/07	6:06	1	.98377	.984	[0.984]	98.3%
2709180700T	9/20/07	6:06	1		1.00	70 - 130	
2709180759	9/20/07	6:09	1	-0.0002	ND		
2709180757	9/20/07	6:13	1	-0.0000	ND		
2709180087	9/20/07	6:18	1	-0.0004	ND		
CCV	9/20/07	6:22	1	4.9845	4.98	90-110	99.6%
CCB	9/20/07	6:31	1	0.0001	0.0000		
2709180093	9/20/07	6:35	1	-0.0003	ND		
2709180037	9/20/07	6:39	1	-0.0002	ND		
2709180038	9/20/07	6:43	1	-0.0005	ND		

File ID: 070919C CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2709180034	9/20/07	6:48	1	0.0001	0.0000		
2709180036	9/20/07	6:52	1	-0.0001	ND		
2709180039	9/20/07	6:57	1	0.0012	.0012		
2709180702	9/20/07	7:01	1	0.0002	0.0001		
2709180702MS	9/20/07	7:06	1	.97656	.977	[0.977]	97.6%
2709180702MSD	9/20/07	7:09	1	.98382	.984	[0.984]	98.3%
2709180702T	9/20/07	7:09	1		1.00	70 - 130	
2709170387	9/20/07	7:13	1	-0.0003	ND		
CCV	9/20/07	7:18	1	5.0192	5.02	90-110	100%
CCB	9/20/07	7:24	1	0.0003	0.0002✓		
MCV	9/20/07	7:28	1	2.4997	2.5	90-110	99.9%
2709170375	9/20/07	7:31	1	0.0003	0.0002		
2709170386	9/20/07	7:35	1	-0.0003	ND		
2709170383	9/20/07	7:39	1	-0.0002	ND		
2709170378	9/20/07	7:43	1	-0.0003	ND		
2709170149	9/20/07	7:47	1	0.0037	.0037		
2709170379	9/20/07	7:51	1	-0.0005	ND		
2709170325	9/20/07	7:56	1	-0.0002	ND		
MBLANK	9/20/07	8:00	1	0.0002	0.0002✓		
LCS	9/20/07	8:04	1	.99371	.994	85-115	99.3%
LCSD	9/20/07	8:08	1	1.0047	1.00	85-115	100%
CCV	9/20/07	8:12	1	5.0153	5.02	90-110	100%
CCB	9/20/07	8:15	1	0.0002	0.0002✓		
2709180730	9/20/07	8:19	1	0.0030	.003		
2709180730MS	9/20/07	8:23	1	.97868	.979	[0.976]	97.5%
2709180730MSD	9/20/07	8:27	1	.98131	.981	[0.978]	97.8%
2709180730T	9/20/07	8:27	1		1.00	70 - 130	
2709170329	9/20/07	8:30	1	-0.0005	ND		
2709170233	9/20/07	8:35	1	-0.0006	ND		
2709170241	9/20/07	8:39	1	-0.0005	ND		
2709170232	9/20/07	8:44	1	-0.0005	ND		
2709170227	9/20/07	8:48	1	-0.0006	ND		
2709170369	9/20/07	8:53	1	-0.0003	ND		
2709170236	9/20/07	8:56	1	-0.0003	ND		
CCV	9/20/07	9:01	1	5.0368	5.04	90-110	100%
CCB	9/20/07	9:05	1	0.0002	0.0001✓		
MCV	9/20/07	9:08	1	2.5408	2.54	90-110	101%
2709170238	9/20/07	9:12	1	-0.0007	ND		
2709170234	9/20/07	9:16	1	-0.0006	ND		
2709180722	9/20/07	9:21	1	0.0029	.0029		
2709180722MS	9/20/07	9:25	1	.99152	.992	[0.989]	98.8%
2709180722MSD	9/20/07	9:29	1	.98526	.985	[0.982]	98.2%
2709180722T	9/20/07	9:29	1		1.00	70 - 130	
2709170242	9/20/07	9:33	1	0.0075	.0075		
2709170237	9/20/07	9:37	1	-0.0007	ND		
2709170230	9/20/07	9:41	1	-0.0008	ND		
2709170239	9/20/07	9:46	1	-0.0005	ND		
2709170231	9/20/07	9:50	1	-0.0003	ND		

File ID: 070919C CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
CCV	9/20/07	9:54	1	5.0458	5.05	90-110	100%
CCB	9/20/07	9:58	1	0.0003	0.0002		
2709170240	9/20/07	10:02	1	-0.0007	ND		
2709180703	9/20/07	10:06	1	0.0031	.0031		
ICSA	9/20/07	10:10	1	-0.0008	ND	80-120	
ICSAB	9/20/07	10:14	1	.25035	.25	80-120	100%
Wash	9/20/07	10:18	1	0.0002	0.0001		
QC-25 1ppm	9/20/07	10:21	1	1.0357	1.0		
ECV	9/20/07	10:26	1	5.0023	5.00	90-110	100%
ECB	9/20/07	10:29	1	0.0002	0.0001		

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 9/19/2007 22:07:06
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICV

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	287334.9	94.2	%	0.18				0.19%
Yr	1847906.1	95.0	%	0.58				0.62%
B_†	107363.4	5.04	mg/L	0.017	5.04	mg/L	0.017	0.33%
QC value within limits for B_	Recovery = 100.85%							
Ba†	474436.8	10.1	mg/L	0.01	10.1	mg/L	0.01	0.06%
QC value within limits for Ba	Recovery = 101.35%							
Ca†	494791.3	100	mg/L	0.1	100	mg/L	0.1	0.08%
QC value within limits for Ca	Recovery = 100.01%							
Cd†	91828.2	5.01	mg/L	0.001	5.01	mg/L	0.001	0.01%
QC value within limits for Cd	Recovery = 100.22%							
Cr†	509028.0	10.1	mg/L	0.02	10.1	mg/L	0.02	0.21%
QC value within limits for Cr	Recovery = 101.27%							
Cu†	2954275.9	10.2	mg/L	0.03	10.2	mg/L	0.03	0.32%
QC value within limits for Cu	Recovery = 101.75%							
Fe†	6944.6	10.1	mg/L	0.19	10.1	mg/L	0.19	1.85%
QC value within limits for Fe	Recovery = 101.09%							
K†	116733.0	99.1	mg/L	0.29	99.1	mg/L	0.29	0.29%
QC value within limits for K	Recovery = 99.14%							
Mg†	208696.5	100	mg/L	0.1	100	mg/L	0.1	0.06%
QC value within limits for Mg	Recovery = 100.37%							
Mn†	3818502.8	10.2	mg/L	0.01	10.2	mg/L	0.01	0.10%
QC value within limits for Mn	Recovery = 101.60%							
Mo†	74704.5	10.0	mg/L	0.03	10.0	mg/L	0.03	0.28%
QC value within limits for Mo	Recovery = 100.13%							
Na†	405010.8	99.2	mg/L	0.26	99.2	mg/L	0.26	0.26%
QC value within limits for Na	Recovery = 99.20%							
Ni†	144000.6	10.0	mg/L	0.01	10.0	mg/L	0.01	0.06%
QC value within limits for Ni	Recovery = 100.08%							
Pb†	28869.7	10.00	mg/L	0.009	10.00	mg/L	0.009	0.09%
QC value within limits for Pb	Recovery = 99.98%							

All analyte(s) passed QC.

Sequence No.: 4
Sample ID: LINEARITY
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 9/19/2007 22:10:35
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LINEARITY

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: LINEARITY

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	278675.4	91.4	%	0.27				0.29%
Yr	1769760.9	91.0	%	0.86				0.95%
B_†	437.3	0.0205	mg/L	0.00138	0.0205	mg/L	0.00138	6.71%
QC value within limits for B_		Recovery = Not calculated						
Ba†	92.1	0.00197	mg/L	0.000077	0.00197	mg/L	0.000077	3.89%
QC value within limits for Ba		Recovery = Not calculated						
Ca†	1493231.8	302	mg/L	0.4	302	mg/L	0.4	0.14%
QC value within limits for Ca		Recovery = 100.61%						
Cd†	-25.0	-0.00136	mg/L	0.000005	-0.00136	mg/L	0.000005	0.35%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	104.6	0.00208	mg/L	0.000099	0.00208	mg/L	0.000099	4.76%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	-2953.7	-0.0102	mg/L	0.00002	-0.0102	mg/L	0.00002	0.18%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	69632.7	101	mg/L	0.6	101	mg/L	0.6	0.61%
QC value within limits for Fe		Recovery = 101.36%						
K†	367515.9	312	mg/L	0.1	312	mg/L	0.1	0.02%
QC value within limits for K		Recovery = 104.04%						
Mg†	411226.5	198	mg/L	0.5	198	mg/L	0.5	0.24%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	1382.7	0.00368	mg/L	0.000020	0.00368	mg/L	0.000020	0.56%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	34.1	0.00458	mg/L	0.000225	0.00458	mg/L	0.000225	4.91%
QC value within limits for Mo		Recovery = Not calculated						
Na†	1222333.3	299	mg/L	4.0	299	mg/L	4.0	1.33%
QC value within limits for Na		Recovery = 99.79%						
Ni†	-0.0	0.00000	mg/L	0.000199	0.00000	mg/L	0.000199	>999.9%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	-6.6	-0.00230	mg/L	0.000943	-0.00230	mg/L	0.000943	41.04%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Analysis Begun

Start Time: 9/19/2007 22:00:27
Logged In Analyst: Owner
Spectrometer Model: Optima 4300 DV, S/N 077N2121801Autosampler Model: AS-93plus
Plasma On Time: 9/19/2007 18:41:51
Technique: ICP Continuous

Sample Information File: C:\pe\Owner\Sample Information\September_09_SIF\070919C.sif
Batch ID: 070919C
Results Data Set: 070919C
Results Library: C:\pe\Owner\Results\Results.mdb

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 0
Date Collected: 9/19/2007 22:00:28
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sca	304923.7	1759.25	0.58%	100	%
Yr	1945189.4	1039.37	0.05%	100	%
B_t	570.0	6.30	1.11%	[0.00]	mg/L
Bat	-11.8	1.53	12.94%	[0.00]	mg/L
Cat	4400.4	23.72	0.54%	[0.00]	mg/L
Cdt	39.9	1.57	3.93%	[0.00]	mg/L
Crt	209.4	2.08	1.00%	[0.00]	mg/L
Cut	3577.2	23.40	0.65%	[0.00]	mg/L
Fet	-2.6	1.48	55.92%	[0.00]	mg/L
Kt	233.7	25.91	11.09%	[0.00]	mg/L
Mgt	-21.9	0.11	0.53%	[0.00]	mg/L
Mnt	117.7	12.04	10.23%	[0.00]	mg/L
Mot	27.0	2.01	7.46%	[0.00]	mg/L
Nat	-272.3	29.34	10.78%	[0.00]	mg/L
Nit	-37.6	10.08	26.81%	[0.00]	mg/L
Pbt	-6.8	5.75	84.41%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Standard 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 9/19/2007 22:03:59
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Standard 2

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: Standard 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sca	288510.5	696.64	0.24%	94.6	%
Yr	1866205.9	5574.92	0.30%	95.9	%
B_t	106887.6	456.12	0.43%	[5.02]	mg/L
Bat	468130.8	1582.79	0.34%	[10]	mg/L
Cat	494740.6	1173.75	0.24%	[100]	mg/L
Cdt	91814.3	239.03	0.26%	[5.01]	mg/L
Crt	501157.3	676.00	0.13%	[9.97]	mg/L
Cut	2903432.2	7797.83	0.27%	[10]	mg/L
Fet	6855.8	39.56	0.58%	[9.98]	mg/L
Kt	117743.0	1632.64	1.39%	[100]	mg/L
Mgt	207933.7	246.89	0.12%	[100]	mg/L
Mnt	3758533.3	10608.02	0.28%	[10]	mg/L
Mot	74458.4	4.52	0.01%	[9.98]	mg/L
Nat	408296.3	3902.88	0.96%	[100]	mg/L
Nit	143890.6	1.51	0.00%	[10]	mg/L
Pbt	28876.4	106.48	0.37%	[10]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
B_	1	Lin, Calc Int	0.0	21290	0.00000	1.000000	
Ba	1	Lin, Calc Int	0.0	46810	0.00000	1.000000	
Ca	1	Lin, Calc Int	0.0	4947	0.00000	1.000000	
Cd	1	Lin, Calc Int	0.0	18330	0.00000	1.000000	
Cr	1	Lin, Calc Int	-0.0	50270	0.00000	1.000000	
Cu	1	Lin, Calc Int	0.0	290300	0.00000	1.000000	
Fe	1	Lin, Calc Int	0.0	687.0	0.00000	1.000000	
K	1	Lin, Calc Int	0.0	1177	0.00000	1.000000	
Mg	1	Lin, Calc Int	0.0	2079	0.00000	1.000000	
Mn	1	Lin, Calc Int	0.0	375900	0.00000	1.000000	
Mo	1	Lin, Calc Int	0.0	7461	0.00000	1.000000	
Na	1	Lin, Calc Int	0.0	4083	0.00000	1.000000	
Ni	1	Lin, Calc Int	0.0	14390	0.00000	1.000000	
Pb	1	Lin, Calc Int	0.0	2888	0.00000	1.000000	

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 9/19/2007 22:14:21
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	285242.5	93.5	%	0.35				0.37%
Yr	1819619.5	93.5	%	0.49				0.53%
B_†	80.7	0.00379	mg/L	0.000214	0.00379	mg/L	0.000214	5.65%
QC value within limits for B_		Recovery = Not calculated						
Ba†	105.7	0.00226	mg/L	0.000157	0.00226	mg/L	0.000157	6.96%
QC value within limits for Ba		Recovery = Not calculated						
Ca†	1250919.5	253	mg/L	0.8	253	mg/L	0.8	0.31%
QC value within limits for Ca		Recovery = 101.14%						
Cd†	-40.0	-0.00218	mg/L	0.000267	-0.00218	mg/L	0.000267	12.24%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	-44.9	-0.00089	mg/L	0.000319	-0.00089	mg/L	0.000319	35.72%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	-3249.9	-0.0112	mg/L	0.00004	-0.0112	mg/L	0.00004	0.37%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	68738.4	100	mg/L	1.3	100	mg/L	1.3	1.33%
QC value within limits for Fe		Recovery = 100.06%						
K†	855.0	0.726	mg/L	0.0527	0.726	mg/L	0.0527	7.26%
QC value within limits for K		Recovery = Not calculated						
Mg†	512647.8	247	mg/L	0.3	247	mg/L	0.3	0.13%
QC value within limits for Mg		Recovery = 98.62%						
Mn†	1533.1	0.00408	mg/L	0.000045	0.00408	mg/L	0.000045	1.11%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	10.2	0.00136	mg/L	0.000174	0.00136	mg/L	0.000174	12.80%
QC value within limits for Mo		Recovery = Not calculated						
Na†	447.6	0.110	mg/L	0.0132	0.110	mg/L	0.0132	12.00%
QC value within limits for Na		Recovery = Not calculated						
Ni†	-16.7	-0.00116	mg/L	0.000365	-0.00116	mg/L	0.000365	31.44%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	-106.2	-0.0368	mg/L	0.00356	-0.0368	mg/L	0.00356	9.67%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 9/19/2007 22:18:05
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sca	286253.0	93.9	%	0.06				0.06%
Yr	1826443.8	93.9	%	0.62				0.66%
B_†	-29.4	-0.00138	mg/L	0.000495	-0.00138	mg/L	0.000495	35.81%
QC value within limits for B_		Recovery = Not calculated						
Ba†	12173.2	0.260	mg/L	0.0007	0.260	mg/L	0.0007	0.25%
QC value within limits for Ba		Recovery = 104.01%						
Ca†	1251483.2	253	mg/L	0.4	253	mg/L	0.4	0.16%
QC value within limits for Ca		Recovery = 101.18%						
Cd†	9109.5	0.497	mg/L	0.0003	0.497	mg/L	0.0003	0.05%
QC value within limits for Cd		Recovery = 99.42%						
Cr†	12510.6	0.249	mg/L	0.0002	0.249	mg/L	0.0002	0.08%
QC value within limits for Cr		Recovery = 99.55%						
Cu†	72810.3	0.251	mg/L	0.0007	0.251	mg/L	0.0007	0.29%
QC value within limits for Cu		Recovery = 100.31%						
Fe†	68872.8	100	mg/L	0.4	100	mg/L	0.4	0.36%
QC value within limits for Fe		Recovery = 100.26%						
K†	527.8	0.448	mg/L	0.0403	0.448	mg/L	0.0403	9.00%
QC value within limits for K		Recovery = Not calculated						
Mg†	511682.8	246	mg/L	0.0	246	mg/L	0.0	0.02%
QC value within limits for Mg		Recovery = 98.43%						
Mn†	98040.7	0.261	mg/L	0.0003	0.261	mg/L	0.0003	0.10%
QC value within limits for Mn		Recovery = 104.34%						
Mo†	1.0	0.00014	mg/L	0.000040	0.00014	mg/L	0.000040	28.48%
QC value within limits for Mo		Recovery = Not calculated						
Na†	215.7	0.0528	mg/L	0.01545	0.0528	mg/L	0.01545	29.25%
QC value within limits for Na		Recovery = Not calculated						
Ni†	6858.6	0.477	mg/L	0.0015	0.477	mg/L	0.0015	0.32%
QC value within limits for Ni		Recovery = 95.33%						
Pb†	1334.6	0.462	mg/L	0.0014	0.462	mg/L	0.0014	0.31%
QC value within limits for Pb		Recovery = 92.44%						

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: Wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/19/2007 22:21:59
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Wash

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: Wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	309320.7	101	%	0.6				0.61%
Yr	1938020.3	99.6	%	1.19				1.20%
B_†	56.3	0.00264	mg/L	0.000048	0.00264	mg/L	0.000048	1.80%
QC value within limits for B_		Recovery = Not calculated						
Ba†	0.2	0.00000	mg/L	0.000061	0.00000	mg/L	0.000061	>999.9%
QC value within limits for Ba		Recovery = Not calculated						
Ca†	77.0	0.0156	mg/L	0.00570	0.0156	mg/L	0.00570	36.59%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	4.4	0.00024	mg/L	0.000099	0.00024	mg/L	0.000099	40.90%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	1.3	0.00002	mg/L	0.000040	0.00002	mg/L	0.000040	160.15%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	86.9	0.00030	mg/L	0.000004	0.00030	mg/L	0.000004	1.21%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	1.0	0.00141	mg/L	0.000296	0.00141	mg/L	0.000296	20.94%
QC value within limits for Fe		Recovery = Not calculated						
K†	65.0	0.0552	mg/L	0.06044	0.0552	mg/L	0.06044	109.46%
QC value within limits for K		Recovery = Not calculated						
Mg†	0.8	0.00041	mg/L	0.000810	0.00041	mg/L	0.000810	198.18%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	3.6	0.00001	mg/L	0.000003	0.00001	mg/L	0.000003	31.14%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	-0.0	0.00000	mg/L	0.000341	0.00000	mg/L	0.000341	>999.9%
QC value within limits for Mo		Recovery = Not calculated						
Na†	12.6	0.00307	mg/L	0.004284	0.00307	mg/L	0.004284	139.36%
QC value within limits for Na		Recovery = Not calculated						
Ni†	-4.2	-0.00029	mg/L	0.000066	-0.00029	mg/L	0.000066	22.47%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	-0.6	-0.00021	mg/L	0.000315	-0.00021	mg/L	0.000315	150.44%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: QC-25 1ppm
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 9/19/2007 22:25:33
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: QC-25 1ppm

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: QC-25 1ppm

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	309190.1	101	%	0.4				0.44%
Yr	1932900.7	99.4	%	0.37				0.37%
B_†	20407.1	0.958	mg/L	0.0099	0.958	mg/L	0.0099	1.03%
QC value within limits for B_		Recovery = 95.84%						
Ba†	51027.6	1.09	mg/L	0.011	1.09	mg/L	0.011	1.01%
QC value within limits for Ba		Recovery = 109.00%						
Ca†	5255.4	1.06	mg/L	0.012	1.06	mg/L	0.012	1.10%
QC value within limits for Ca		Recovery = 106.22%						
Cd†	18634.2	1.02	mg/L	0.007	1.02	mg/L	0.007	0.68%
QC value within limits for Cd		Recovery = 101.68%						
Cr†	53323.4	1.06	mg/L	0.008	1.06	mg/L	0.008	0.78%
QC value within limits for Cr		Recovery = 106.08%						
Cu†	288472.3	0.994	mg/L	0.0022	0.994	mg/L	0.0022	0.22%
QC value within limits for Cu		Recovery = 99.36%						
Fe†	722.3	1.05	mg/L	0.004	1.05	mg/L	0.004	0.37%
QC value within limits for Fe		Recovery = 105.15%						
K†	11377.7	9.66	mg/L	0.029	9.66	mg/L	0.029	0.30%
QC value within limits for K		Recovery = 96.63%						
Mg†	2203.8	1.06	mg/L	0.007	1.06	mg/L	0.007	0.69%
QC value within limits for Mg		Recovery = 105.98%						
Mn†	410250.6	1.09	mg/L	0.000	1.09	mg/L	0.000	0.01%
QC value within limits for Mn		Recovery = 109.15%						
Mo†	7635.9	1.02	mg/L	0.003	1.02	mg/L	0.003	0.33%
QC value within limits for Mo		Recovery = 102.35%						
Na†	3981.2	0.975	mg/L	0.0030	0.975	mg/L	0.0030	0.30%
QC value within limits for Na		Recovery = 97.51%						
Ni†	15564.3	1.08	mg/L	0.007	1.08	mg/L	0.007	0.69%
QC value within limits for Ni		Recovery = 108.17%						
Pb†	3160.4	1.09	mg/L	0.008	1.09	mg/L	0.008	0.69%
QC value within limits for Pb		Recovery = 109.45%						

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/19/2007 22:30:09
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	297825.4	97.7	%	0.19				0.19%
Yr	1881060.4	96.7	%	0.12				0.13%
B_†	52452.9	2.46	mg/L	0.003	2.46	mg/L	0.003	0.11%
QC value within limits for B_	Recovery = 98.54%							
Ba†	240322.1	5.13	mg/L	0.001	5.13	mg/L	0.001	0.02%
QC value within limits for Ba	Recovery = 102.67%							
Ca†	252191.3	51.0	mg/L	0.15	51.0	mg/L	0.15	0.30%
QC value within limits for Ca	Recovery = 101.95%							
Cd†	46344.7	2.53	mg/L	0.004	2.53	mg/L	0.004	0.17%
QC value within limits for Cd	Recovery = 101.16%							
Cr†	255495.2	5.08	mg/L	0.006	5.08	mg/L	0.006	0.12%
QC value within limits for Cr	Recovery = 101.66%							
Cu†	1451426.0	5.00	mg/L	0.002	5.00	mg/L	0.002	0.04%
QC value within limits for Cu	Recovery = 99.98%							
Fe†	3515.1	5.12	mg/L	0.055	5.12	mg/L	0.055	1.07%
QC value within limits for Fe	Recovery = 102.34%							
K†	56537.4	48.0	mg/L	0.04	48.0	mg/L	0.04	0.08%
QC value within limits for K	Recovery = 96.04%							
Mg†	105932.2	50.9	mg/L	0.22	50.9	mg/L	0.22	0.43%
QC value within limits for Mg	Recovery = 101.89%							
Mn†	1941586.9	5.17	mg/L	0.003	5.17	mg/L	0.003	0.06%
QC value within limits for Mn	Recovery = 103.32%							
Mo†	37436.4	5.02	mg/L	0.027	5.02	mg/L	0.027	0.54%
QC value within limits for Mo	Recovery = 100.36%							
Na†	201855.2	49.4	mg/L	0.23	49.4	mg/L	0.23	0.46%
QC value within limits for Na	Recovery = 98.88%							
Ni†	74005.0	5.14	mg/L	0.027	5.14	mg/L	0.027	0.52%
QC value within limits for Ni	Recovery = 102.86%							
Pb†	14887.4	5.16	mg/L	0.042	5.16	mg/L	0.042	0.81%
QC value within limits for Pb	Recovery = 103.11%							

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/19/2007 22:33:25
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	304597.9	99.9	%	0.09				0.09%
Yr	1936150.7	99.5	%	0.81				0.82%
B_†	221.2	0.0104	mg/L	0.00091	0.0104	mg/L	0.00091	8.80%
QC value within limits for B_		Recovery = Not calculated						
Ba†	3.0	0.00006	mg/L	0.000021	0.00006	mg/L	0.000021	33.39%
QC value within limits for Ba		Recovery = Not calculated						
Ca†	36.2	0.00732	mg/L	0.023144	0.00732	mg/L	0.023144	316.38%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	9.0	0.00049	mg/L	0.000010	0.00049	mg/L	0.000010	2.10%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	-5.6	-0.00011	mg/L	0.000266	-0.00011	mg/L	0.000266	240.85%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	108.9	0.00037	mg/L	0.000076	0.00037	mg/L	0.000076	20.15%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	-0.2	-0.00036	mg/L	0.000479	-0.00036	mg/L	0.000479	133.38%
QC value within limits for Fe		Recovery = Not calculated						
K†	74.1	0.0629	mg/L	0.01990	0.0629	mg/L	0.01990	31.63%
QC value within limits for K		Recovery = Not calculated						
Mg†	0.1	0.00003	mg/L	0.002134	0.00003	mg/L	0.002134	>999.9%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	3.7	0.00001	mg/L	0.000006	0.00001	mg/L	0.000006	64.87%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	14.5	0.00194	mg/L	0.000775	0.00194	mg/L	0.000775	39.97%
QC value within limits for Mo		Recovery = Not calculated						
Na†	-22.4	-0.00549	mg/L	0.007869	-0.00549	mg/L	0.007869	143.27%
QC value within limits for Na		Recovery = Not calculated						
Ni†	-8.7	-0.00060	mg/L	0.000193	-0.00060	mg/L	0.000193	32.01%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	0.6	0.00022	mg/L	0.001243	0.00022	mg/L	0.001243	577.36%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 9/19/2007 22:36:54
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	312209.9	102	%	0.3				0.30%
Yr	1937451.3	99.6	%	0.01				0.01%
B_†	1105.7	0.0519	mg/L	0.00074	0.0519	mg/L	0.00074	1.42%
QC value within limits for B_		Recovery = 103.86%						
Ba†	1008.0	0.0215	mg/L	0.00020	0.0215	mg/L	0.00020	0.94%
QC value within limits for Ba		Recovery = 107.66%						
Ca†	5650.4	1.14	mg/L	0.022	1.14	mg/L	0.022	1.93%
QC value within limits for Ca		Recovery = 114.21%						
Cd†	120.1	0.00655	mg/L	0.000380	0.00655	mg/L	0.000380	5.80%
QC value within limits for Cd		Recovery = 131.03%						
Cr†	517.5	0.0103	mg/L	0.00007	0.0103	mg/L	0.00007	0.66%
QC value within limits for Cr		Recovery = 102.96%						
Cu†	2995.8	0.0103	mg/L	0.00018	0.0103	mg/L	0.00018	1.75%
QC value within limits for Cu		Recovery = 103.18%						
Fe†	13.5	0.0197	mg/L	0.00206	0.0197	mg/L	0.00206	10.47%
QC value within limits for Fe		Recovery = 98.25%						
K†	1131.4	0.961	mg/L	0.0026	0.961	mg/L	0.0026	0.27%
QC value within limits for K		Recovery = 96.09%						
Mg†	213.4	0.103	mg/L	0.0012	0.103	mg/L	0.0012	1.19%
QC value within limits for Mg		Recovery = 102.63%						
Mn†	885.5	0.00236	mg/L	0.000011	0.00236	mg/L	0.000011	0.46%
QC value within limits for Mn		Recovery = 117.80%						
Mo†	155.2	0.0208	mg/L	0.00020	0.0208	mg/L	0.00020	0.95%
QC value within limits for Mo		Recovery = 104.00%						
Na†	3860.3	0.945	mg/L	0.0114	0.945	mg/L	0.0114	1.20%
QC value within limits for Na		Recovery = 94.55%						
Ni†	301.6	0.0210	mg/L	0.00011	0.0210	mg/L	0.00011	0.53%
QC value within limits for Ni		Recovery = 104.81%						
Pb†	62.6	0.0217	mg/L	0.00119	0.0217	mg/L	0.00119	5.51%
QC value within limits for Pb		Recovery = 108.35%						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: FILTER CHECK
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 16
Date Collected: 9/19/2007 22:40:41
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: FILTER CHECK

Analyte	Back Pressure	Flow
All	215.0 kPa	0.65 L/min

Mean Data: FILTER CHECK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	308445.9	101	%	0.2				0.16%
Yr	1943750.4	99.9	%	0.75				0.75%
B_†	39.9	0.00188	mg/L	0.000171	0.00188	mg/L	0.000171	9.09%
Ba†	384.8	0.00822	mg/L	0.000085	0.00822	mg/L	0.000085	1.03%
Ca†	771.2	0.156	mg/L	0.0123	0.156	mg/L	0.0123	7.91%
Cd†	3.4	0.00019	mg/L	0.000157	0.00019	mg/L	0.000157	83.51%
Cr†	9.5	0.00019	mg/L	0.000004	0.00019	mg/L	0.000004	2.01%
Cu†	11.6	0.00004	mg/L	0.000106	0.00004	mg/L	0.000106	264.65%
Fe†	0.1	0.00009	mg/L	0.002132	0.00009	mg/L	0.002132	>999.9%
K†	23.9	0.0203	mg/L	0.04674	0.0203	mg/L	0.04674	230.13%
Mg†	-0.1	-0.00004	mg/L	0.001915	-0.00004	mg/L	0.001915	>999.9%
Mn†	21.2	0.00006	mg/L	0.000004	0.00006	mg/L	0.000004	7.81%
Mo†	0.8	0.00010	mg/L	0.000098	0.00010	mg/L	0.000098	93.35%
Na†	-39.0	-0.00956	mg/L	0.017859	-0.00956	mg/L	0.017859	186.74%
Ni†	-4.6	-0.00032	mg/L	0.000021	-0.00032	mg/L	0.000021	6.42%
Pb†	3.0	0.00105	mg/L	0.000266	0.00105	mg/L	0.000266	25.33%

Sequence No.: 82
Sample ID: MBLANK
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 89
Date Collected: 9/20/2007 03:16:07
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLANK

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: MBLANK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	298811.4	98.0	%	0.58				0.59%
Yr	1777497.5	91.4	%	1.10				1.21%
B_t	441.6	0.0207	mg/L	0.00171	0.0207	mg/L	0.00171	8.25%
Cat	-94.9	-0.0192	mg/L	0.00903	-0.0192	mg/L	0.00903	47.09%
Cdt	-1.0	-0.00006	mg/L	0.000092	-0.00006	mg/L	0.000092	162.91%
Crt	2.9	0.00006	mg/L	0.000277	0.00006	mg/L	0.000277	472.96%
Cut	-79.8	-0.00027	mg/L	0.000192	-0.00027	mg/L	0.000192	69.71%
Fet	-3.5	-0.00507	mg/L	0.001563	-0.00507	mg/L	0.001563	30.82%
Kt	51.7	0.0439	mg/L	0.05732	0.0439	mg/L	0.05732	130.55%
Mgt	-7.7	-0.00370	mg/L	0.001311	-0.00370	mg/L	0.001311	35.39%
Mnt	-31.1	-0.00008	mg/L	0.000008	-0.00008	mg/L	0.000008	9.71%
Mot	-9.0	-0.00121	mg/L	0.000426	-0.00121	mg/L	0.000426	35.36%
Nat	1499.4	0.367	mg/L	0.0028	0.367	mg/L	0.0028	0.76%
Nit	-12.0	-0.00083	mg/L	0.000277	-0.00083	mg/L	0.000277	33.38%
Pbt	-5.1	-0.00177	mg/L	0.000514	-0.00177	mg/L	0.000514	29.09%

Sequence No.: 83
Sample ID: LCS
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 90
Date Collected: 9/20/2007 03:20:13
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: LCS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	297163.4	97.5	%	0.48				0.49%
Yr	1777048.2	91.4	%	0.47				0.52%
B_t	10259.6	0.482	mg/L	0.0060	0.482	mg/L	0.0060	1.24%
Cat	241200.4	48.8	mg/L	0.05	48.8	mg/L	0.05	0.10%
Cdt	3649.5	0.199	mg/L	0.0014	0.199	mg/L	0.0014	0.68%
Crt	48232.0	0.960	mg/L	0.0087	0.960	mg/L	0.0087	0.91%
Cut	275383.0	0.948	mg/L	0.0012	0.948	mg/L	0.0012	0.13%
Fet	3289.2	4.79	mg/L	0.015	4.79	mg/L	0.015	0.31%
Kt	22157.3	18.8	mg/L	0.02	18.8	mg/L	0.02	0.13%
Mgt	40934.2	19.7	mg/L	0.08	19.7	mg/L	0.08	0.38%
Mnt	187071.6	0.498	mg/L	0.0013	0.498	mg/L	0.0013	0.26%
Mot	7147.2	0.958	mg/L	0.0068	0.958	mg/L	0.0068	0.71%
Nat	193039.5	47.3	mg/L	0.00	47.3	mg/L	0.00	0.01%
Nit	6988.7	0.486	mg/L	0.0057	0.486	mg/L	0.0057	1.18%
Pbt	2810.1	0.973	mg/L	0.0027	0.973	mg/L	0.0027	0.28%

Sequence No.: 84
Sample ID: LCSD
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 91
Date Collected: 9/20/2007 03:23:54
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCSD

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: LCSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	295327.1	96.9	%	0.02				0.03%
Yr	1758438.8	90.4	%	0.79				0.87%
B_†	10339.3	0.486	mg/L	0.0016	0.486	mg/L	0.0016	0.33%
Ca†	241496.2	48.8	mg/L	0.06	48.8	mg/L	0.06	0.13%
Cd†	3685.3	0.201	mg/L	0.0012	0.201	mg/L	0.0012	0.62%
Cr†	48453.7	0.964	mg/L	0.0091	0.964	mg/L	0.0091	0.94%
Cu†	274992.2	0.947	mg/L	0.0014	0.947	mg/L	0.0014	0.15%
Fe†	3304.0	4.81	mg/L	0.023	4.81	mg/L	0.023	0.48%
K†	22337.6	19.0	mg/L	0.10	19.0	mg/L	0.10	0.53%
Mg†	41164.9	19.8	mg/L	0.15	19.8	mg/L	0.15	0.74%
Mn†	186423.3	0.496	mg/L	0.0013	0.496	mg/L	0.0013	0.26%
Mo†	7142.5	0.957	mg/L	0.0024	0.957	mg/L	0.0024	0.25%
Na†	194361.0	47.6	mg/L	0.24	47.6	mg/L	0.24	0.50%
Ni†	6972.2	0.485	mg/L	0.0038	0.485	mg/L	0.0038	0.78%
Pb†	2834.4	0.982	mg/L	0.0090	0.982	mg/L	0.0090	0.92%

Sequence No.: 85
Sample ID: 2709180420
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 92
Date Collected: 9/20/2007 03:27:02
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180420

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: 2709180420

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	299805.3	98.3	%	0.82				0.83%
Yr	1809892.3	93.0	%	1.48				1.59%
B_†	2912.0	0.137	mg/L	0.0007	0.137	mg/L	0.0007	0.54%
Ca†	221268.0	44.7	mg/L	0.11	44.7	mg/L	0.11	0.25%
Cd†	-16.8	-0.00092	mg/L	0.000160	-0.00092	mg/L	0.000160	17.41%
Cr†	-23.8	-0.00047	mg/L	0.000114	-0.00047	mg/L	0.000114	24.13%
Cu†	1015.2	0.00350	mg/L	0.000190	0.00350	mg/L	0.000190	5.42%
Fe†	15.7	0.0229	mg/L	0.00163	0.0229	mg/L	0.00163	7.10%
K†	4753.4	4.04	mg/L	0.041	4.04	mg/L	0.041	1.02%
Mg†	42516.0	20.4	mg/L	0.24	20.4	mg/L	0.24	1.15%
Mn†	1158.4	0.00308	mg/L	0.000071	0.00308	mg/L	0.000071	2.30%
Mo†	28.1	0.00377	mg/L	0.000236	0.00377	mg/L	0.000236	6.26%
Na†	317892.9	77.9	mg/L	0.37	77.9	mg/L	0.37	0.47%
Ni†	0.1	0.00001	mg/L	0.000343	0.00001	mg/L	0.000343	>999.9%
Pb†	-11.4	-0.00395	mg/L	0.000329	-0.00395	mg/L	0.000329	8.33%

Sequence No.: 86
Sample ID: 2709180420MS
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 93
Date Collected: 9/20/2007 03:31:28
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180420MS

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: 2709180420MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	289837.0	95.1	%	0.62				0.66%
Yr	1822148.8	93.7	%	7.24				7.73%
B_†	13087.0	0.615	mg/L	0.0121	0.615	mg/L	0.0121	1.97%
Ca†	428727.6	86.7	mg/L	7.71	86.7	mg/L	7.71	8.90%
Cd†	3701.5	0.202	mg/L	0.0034	0.202	mg/L	0.0034	1.66%
Cr†	47701.9	0.949	mg/L	0.0161	0.949	mg/L	0.0161	1.70%
Cu†	277435.1	0.956	mg/L	0.0036	0.956	mg/L	0.0036	0.38%
Fe†	3165.9	4.61	mg/L	0.372	4.61	mg/L	0.372	8.06%
K†	25996.7	22.1	mg/L	2.02	22.1	mg/L	2.02	9.17%
Mg†	78378.5	37.7	mg/L	3.29	37.7	mg/L	3.29	8.73%
Mn†	188005.0	0.500	mg/L	0.0016	0.500	mg/L	0.0016	0.33%
Mo†	6997.7	0.938	mg/L	0.0168	0.938	mg/L	0.0168	1.79%
Na†	477500.5	117	mg/L	9.7	117	mg/L	9.7	8.30%
Ni†	6923.4	0.481	mg/L	0.0041	0.481	mg/L	0.0041	0.85%
Pb†	2781.3	0.963	mg/L	0.0300	0.963	mg/L	0.0300	3.11%

Sequence No.: 87
Sample ID: 2709180420MSD
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 94
Date Collected: 9/20/2007 03:35:15
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180420MSD

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: 2709180420MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	294629.0	96.6	%	0.33				0.34%
Yr	1748861.6	89.9	%	0.83				0.92%
B_†	13008.4	0.611	mg/L	0.0030	0.611	mg/L	0.0030	0.49%
Ca†	447740.2	90.5	mg/L	0.05	90.5	mg/L	0.05	0.06%
Cd†	3665.0	0.200	mg/L	0.0012	0.200	mg/L	0.0012	0.62%
Cr†	47338.2	0.942	mg/L	0.0037	0.942	mg/L	0.0037	0.39%
Cu†	272421.6	0.938	mg/L	0.0049	0.938	mg/L	0.0049	0.52%
Fe†	3298.5	4.80	mg/L	0.068	4.80	mg/L	0.068	1.43%
K†	27146.1	23.1	mg/L	0.05	23.1	mg/L	0.05	0.22%
Mg†	82012.7	39.4	mg/L	0.04	39.4	mg/L	0.04	0.10%
Mn†	185452.0	0.493	mg/L	0.0014	0.493	mg/L	0.0014	0.28%
Mo†	6946.2	0.931	mg/L	0.0057	0.931	mg/L	0.0057	0.62%
Na†	499885.0	122	mg/L	0.1	122	mg/L	0.1	0.06%
Ni†	6854.9	0.476	mg/L	0.0025	0.476	mg/L	0.0025	0.51%
Pb†	2729.9	0.945	mg/L	0.0034	0.945	mg/L	0.0034	0.36%

Sequence No.: 88
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/20/2007 03:39:03
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	289395.2	94.9	%	0.35				0.37%
Yr	1738899.6	89.4	%	0.24				0.27%
B_†	50280.5	2.36	mg/L	0.010	2.36	mg/L	0.010	0.44%
QC value within limits for B_	Recovery = 94.46%							
Ca†	236985.1	47.9	mg/L	0.16	47.9	mg/L	0.16	0.34%
QC value within limits for Ca	Recovery = 95.80%							
Cd†	43981.5	2.40	mg/L	0.009	2.40	mg/L	0.009	0.36%
QC value within limits for Cd	Recovery = 96.00%							
Cr†	240359.2	4.78	mg/L	0.009	4.78	mg/L	0.009	0.19%
QC value within limits for Cr	Recovery = 95.63%							
Cu†	1360403.3	4.69	mg/L	0.003	4.69	mg/L	0.003	0.07%
QC value within limits for Cu	Recovery = 93.71%							
Fe†	3268.2	4.76	mg/L	0.040	4.76	mg/L	0.040	0.85%
QC value within limits for Fe	Recovery = 95.15%							
K†	55430.9	47.1	mg/L	0.18	47.1	mg/L	0.18	0.39%
QC value within limits for K	Recovery = 94.16%							
Mg†	101016.6	48.6	mg/L	0.12	48.6	mg/L	0.12	0.25%
QC value within limits for Mg	Recovery = 97.16%							
Mn†	1821977.9	4.85	mg/L	0.004	4.85	mg/L	0.004	0.09%
QC value within limits for Mn	Recovery = 96.95%							
Mo†	35278.1	4.73	mg/L	0.025	4.73	mg/L	0.025	0.54%
QC value within limits for Mo	Recovery = 94.57%							
Na†	193996.8	47.5	mg/L	0.16	47.5	mg/L	0.16	0.34%
QC value within limits for Na	Recovery = 95.03%							
Ni†	69286.1	4.82	mg/L	0.020	4.82	mg/L	0.020	0.41%
QC value within limits for Ni	Recovery = 96.30%							
Pb†	13843.7	4.79	mg/L	0.010	4.79	mg/L	0.010	0.21%
QC value within limits for Pb	Recovery = 95.88%							

All analyte(s) passed QC.

Sequence No.: 89
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/20/2007 03:42:54
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	218.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sca	295796.9	97.0	%	0.57				0.59%
Yr	1805006.9	92.8	%	0.02				0.02%
B_†	434.8	0.0204	mg/L	0.00060	0.0204	mg/L	0.00060	2.94%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ca†	-3.0	-0.00060	mg/L	0.044948	-0.00060	mg/L	0.044948	>999.9%
QC value within limits for Ca Recovery = Not calculated								
Cd†	1.5	0.00008	mg/L	0.000203	0.00008	mg/L	0.000203	253.95%
QC value within limits for Cd Recovery = Not calculated								
Cr†	1.8	0.00004	mg/L	0.000234	0.00004	mg/L	0.000234	658.84%
QC value within limits for Cr Recovery = Not calculated								
Cu†	16.8	0.00006	mg/L	0.000250	0.00006	mg/L	0.000250	432.76%
QC value within limits for Cu Recovery = Not calculated								
Fe†	2.8	0.00404	mg/L	0.000511	0.00404	mg/L	0.000511	12.64%
QC value within limits for Fe Recovery = Not calculated								
K†	43.3	0.0368	mg/L	0.01041	0.0368	mg/L	0.01041	28.27%
QC value within limits for K Recovery = Not calculated								
Mg†	37.9	0.0182	mg/L	0.03044	0.0182	mg/L	0.03044	166.84%
QC value within limits for Mg Recovery = Not calculated								
Mn†	-2.0	-0.00001	mg/L	0.000010	-0.00001	mg/L	0.000010	188.19%
QC value within limits for Mn Recovery = Not calculated								
Mo†	26.1	0.00349	mg/L	0.000190	0.00349	mg/L	0.000190	5.45%
QC value within limits for Mo Recovery = Not calculated								
Na†	662.6	0.162	mg/L	0.0113	0.162	mg/L	0.0113	6.93%
QC value within limits for Na Recovery = Not calculated								
Ni†	-14.1	-0.00098	mg/L	0.000285	-0.00098	mg/L	0.000285	29.18%
QC value within limits for Ni Recovery = Not calculated								
Pb†	1.7	0.00060	mg/L	0.002541	0.00060	mg/L	0.002541	426.84%
QC value within limits for Pb Recovery = Not calculated								
QC Failed. Retry.								

Sequence No.: 90
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/20/2007 03:45:37
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	218.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sca	297652.2	97.6	%	0.01				0.01%
Yr	1781717.7	91.6	%	0.53				0.58%
B_†	323.3	0.0152	mg/L	0.00006	0.0152	mg/L	0.00006	0.41%
QC value within limits for B_ Recovery = Not calculated								
Ca†	-202.8	-0.0410	mg/L	0.02093	-0.0410	mg/L	0.02093	51.08%
QC value within limits for Ca Recovery = Not calculated								
Cd†	3.6	0.00020	mg/L	0.000155	0.00020	mg/L	0.000155	78.53%
QC value within limits for Cd Recovery = Not calculated								
Cr†	0.8	0.00002	mg/L	0.000131	0.00002	mg/L	0.000131	778.84%

```
   QC value within limits for Cr  Recovery = Not calculated
Cu†                        6.3     0.00002 mg/L      0.000209     0.00002 mg/L      0.000209 957.15%
   QC value within limits for Cu  Recovery = Not calculated
Fe†                       -1.8    -0.00255 mg/L      0.000498    -0.00255 mg/L      0.000498  19.48%
   QC value within limits for Fe  Recovery = Not calculated
K†                        11.5     0.00980 mg/L      0.012458     0.00980 mg/L      0.012458 127.09%
   QC value within limits for K  Recovery = Not calculated
Mg†                       -2.3    -0.00110 mg/L      0.001002    -0.00110 mg/L      0.001002  91.09%
   QC value within limits for Mg  Recovery = Not calculated
Mn†                      -14.3    -0.00004 mg/L      0.000000    -0.00004 mg/L      0.000000   0.91%
   QC value within limits for Mn  Recovery = Not calculated
Mo†                        6.1     0.00082 mg/L      0.000136     0.00082 mg/L      0.000136  16.55%
   QC value within limits for Mo  Recovery = Not calculated
Na†                      650.5       0.159 mg/L        0.0080       0.159 mg/L        0.0080   5.05%
   QC value within limits for Na  Recovery = Not calculated
Ni†                       -7.0    -0.00048 mg/L      0.000350    -0.00048 mg/L      0.000350  72.15%
   QC value within limits for Ni  Recovery = Not calculated
Pb†                       -0.2    -0.00008 mg/L      0.000399    -0.00008 mg/L      0.000399 490.78%
   QC value within limits for Pb  Recovery = Not calculated
All analyte(s) passed QC.
```

Sequence No.: 91
Sample ID: MCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/20/2007 03:49:09
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MCV

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: MCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	291883.3	95.7	%	1.12				1.17%
Yr	1745863.5	89.8	%	0.66				0.74%
B_†	25162.2	1.18	mg/L	0.015	1.18	mg/L	0.015	1.25%
QC value within limits for B_ Recovery = 94.54%								
Ca†	120287.0	24.3	mg/L	0.09	24.3	mg/L	0.09	0.37%
QC value within limits for Ca Recovery = 97.25%								
Cd†	22342.6	1.22	mg/L	0.018	1.22	mg/L	0.018	1.50%
QC value within limits for Cd Recovery = 97.53%								
Cr†	121228.1	2.41	mg/L	0.006	2.41	mg/L	0.006	0.26%
QC value within limits for Cr Recovery = 96.47%								
Cu†	681693.0	2.35	mg/L	0.013	2.35	mg/L	0.013	0.53%
QC value within limits for Cu Recovery = 93.92%								
Fe†	1652.4	2.41	mg/L	0.023	2.41	mg/L	0.023	0.97%
QC value within limits for Fe Recovery = 96.21%								
K†	27209.5	23.1	mg/L	0.40	23.1	mg/L	0.40	1.73%
QC value within limits for K Recovery = 92.44%								
Mg†	51614.1	24.8	mg/L	0.17	24.8	mg/L	0.17	0.69%
QC value within limits for Mg Recovery = 99.29%								
Mn†	933868.9	2.48	mg/L	0.004	2.48	mg/L	0.004	0.15%
QC value within limits for Mn Recovery = 99.39%								
Mo†	17867.5	2.39	mg/L	0.028	2.39	mg/L	0.028	1.16%
QC value within limits for Mo Recovery = 95.79%								
Na†	94964.3	23.3	mg/L	0.14	23.3	mg/L	0.14	0.61%
QC value within limits for Na Recovery = 93.03%								
Ni†	35303.3	2.45	mg/L	0.041	2.45	mg/L	0.041	1.66%
QC value within limits for Ni Recovery = 98.14%								
Pb†	7064.3	2.45	mg/L	0.049	2.45	mg/L	0.049	2.02%
QC value within limits for Pb Recovery = 97.86%								

All analyte(s) passed QC.

Sequence No.: 101
Sample ID: 2709180421
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 104
Date Collected: 9/20/2007 04:36:59
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180421

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: 2709180421

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	299541.7	98.2	%	0.25				0.25%
Yr	1786523.1	91.8	%	0.79				0.86%
B_t	2707.2	0.127	mg/L	0.0013	0.127	mg/L	0.0013	1.06%
Cat	197057.9	39.8	mg/L	0.15	39.8	mg/L	0.15	0.37%
Cdt	-16.4	-0.00090	mg/L	0.000090	-0.00090	mg/L	0.000090	10.08%
Crt	171.0	0.00340	mg/L	0.000040	0.00340	mg/L	0.000040	1.19%
Cut	3160.5	0.0109	mg/L	0.00022	0.0109	mg/L	0.00022	2.03%
Fet	-2.3	-0.00328	mg/L	0.003324	-0.00328	mg/L	0.003324	101.33%
Kt	2679.7	2.28	mg/L	0.014	2.28	mg/L	0.014	0.62%
Mgt	28322.3	13.6	mg/L	0.11	13.6	mg/L	0.11	0.82%
Mnt	343.4	0.00091	mg/L	0.000068	0.00091	mg/L	0.000068	7.45%
Mot	45.5	0.00609	mg/L	0.000068	0.00609	mg/L	0.000068	1.12%
Nat	191500.4	46.9	mg/L	0.03	46.9	mg/L	0.03	0.07%
Nit	-10.0	-0.00069	mg/L	0.000006	-0.00069	mg/L	0.000006	0.88%
Pbt	-0.4	-0.00014	mg/L	0.000860	-0.00014	mg/L	0.000860	631.77%

Sequence No.: 102
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/20/2007 04:41:16
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	288690.3	94.7	%	0.31				0.33%
Yr	1741264.5	89.5	%	0.92				1.02%
B_†	49301.3	2.32	mg/L	0.010	2.32	mg/L	0.010	0.42%
QC value within limits for B_		Recovery = 92.62%						
Ca†	234254.6	47.3	mg/L	0.13	47.3	mg/L	0.13	0.28%
QC value within limits for Ca		Recovery = 94.70%						
Cd†	43239.7	2.36	mg/L	0.004	2.36	mg/L	0.004	0.18%
QC value within limits for Cd		Recovery = 94.38%						
Cr†	237400.2	4.72	mg/L	0.003	4.72	mg/L	0.003	0.06%
QC value within limits for Cr		Recovery = 94.46%						
Cu†	1340783.7	4.62	mg/L	0.004	4.62	mg/L	0.004	0.08%
QC value within limits for Cu		Recovery = 92.36%						
Fe†	3206.3	4.67	mg/L	0.040	4.67	mg/L	0.040	0.86%
QC value within limits for Fe		Recovery = 93.35%						
K†	54776.4	46.5	mg/L	0.07	46.5	mg/L	0.07	0.15%
QC value within limits for K		Recovery = 93.04%						
Mg†	99790.9	48.0	mg/L	0.09	48.0	mg/L	0.09	0.19%
QC value within limits for Mg		Recovery = 95.98%						
Mn†	1799389.5	4.79	mg/L	0.006	4.79	mg/L	0.006	0.13%
QC value within limits for Mn		Recovery = 95.75%						
Mo†	34659.7	4.65	mg/L	0.008	4.65	mg/L	0.008	0.18%
QC value within limits for Mo		Recovery = 92.91%						
Na†	191365.1	46.9	mg/L	0.19	46.9	mg/L	0.19	0.41%
QC value within limits for Na		Recovery = 93.74%						
Ni†	67998.8	4.73	mg/L	0.002	4.73	mg/L	0.002	0.04%
QC value within limits for Ni		Recovery = 94.51%						
Pb†	13578.7	4.70	mg/L	0.000	4.70	mg/L	0.000	0.01%
QC value within limits for Pb		Recovery = 94.05%						

All analyte(s) passed QC.

Sequence No.: 103
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/20/2007 04:45:08
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sca	296792.4	97.3	%	1.24				1.27%
Yr	1846815.9	94.9	%	4.25				4.48%
B_†	379.1	0.0178	mg/L	0.00111	0.0178	mg/L	0.00111	6.21%
QC value within limits for B_		Recovery = Not calculated						
Ca†	-240.6	-0.0486	mg/L	0.03535	-0.0486	mg/L	0.03535	72.68%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	4.2	0.00023	mg/L	0.000036	0.00023	mg/L	0.000036	15.54%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	-0.8	-0.00002	mg/L	0.000036	-0.00002	mg/L	0.000036	221.06%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	-36.2	-0.00012	mg/L	0.000310	-0.00012	mg/L	0.000310	249.10%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	-0.7	-0.00103	mg/L	0.000309	-0.00103	mg/L	0.000309	30.13%
QC value within limits for Fe		Recovery = Not calculated						
K†	50.2	0.0426	mg/L	0.04935	0.0426	mg/L	0.04935	115.77%
QC value within limits for K		Recovery = Not calculated						
Mg†	-1.4	-0.00065	mg/L	0.000667	-0.00065	mg/L	0.000667	102.02%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	-10.2	-0.00003	mg/L	0.000030	-0.00003	mg/L	0.000030	109.70%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	15.8	0.00212	mg/L	0.000448	0.00212	mg/L	0.000448	21.10%
QC value within limits for Mo		Recovery = Not calculated						
Na†	614.7	0.151	mg/L	0.0002	0.151	mg/L	0.0002	0.12%
QC value within limits for Na		Recovery = Not calculated						
Ni†	-7.4	-0.00051	mg/L	0.000279	-0.00051	mg/L	0.000279	54.34%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	5.1	0.00177	mg/L	0.000779	0.00177	mg/L	0.000779	44.09%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 104
Sample ID: 2709180421MS
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 105
Date Collected: 9/20/2007 04:48:51
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180421MS

Analyte	Back Pressure	Flow
All	216.0 kPa	0.65 L/min

Mean Data: 2709180421MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	289952.1	95.1	%	0.18				0.19%
Yr	1755403.2	90.2	%	0.02				0.03%
B_†	13084.2	0.615	mg/L	0.0093	0.615	mg/L	0.0093	1.51%
Ca†	427844.5	86.5	mg/L	0.14	86.5	mg/L	0.14	0.16%
Cd†	3764.4	0.205	mg/L	0.0002	0.205	mg/L	0.0002	0.08%
Cr†	48312.4	0.961	mg/L	0.0014	0.961	mg/L	0.0014	0.15%
Cu†	274554.9	0.946	mg/L	0.0025	0.946	mg/L	0.0025	0.27%
Fe†	3232.9	4.71	mg/L	0.031	4.71	mg/L	0.031	0.66%
K†	25411.5	21.6	mg/L	0.16	21.6	mg/L	0.16	0.74%
Mg†	68177.5	32.8	mg/L	0.06	32.8	mg/L	0.06	0.19%
Mn†	185028.1	0.492	mg/L	0.0011	0.492	mg/L	0.0011	0.23%
Mo†	7016.1	0.940	mg/L	0.0038	0.940	mg/L	0.0038	0.40%
Na†	383731.8	94.0	mg/L	0.55	94.0	mg/L	0.55	0.59%
Ni†	6927.8	0.481	mg/L	0.0003	0.481	mg/L	0.0003	0.06%
Pb†	2793.3	0.967	mg/L	0.0046	0.967	mg/L	0.0046	0.47%

Sequence No.: 105
Sample ID: 2709180421MSD
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 106
Date Collected: 9/20/2007 04:52:36
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180421MSD

Analyte	Back Pressure	Flow
All	216.0 kPa	0.65 L/min

Mean Data: 2709180421MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	289328.1	94.9	%	0.40				0.43%
Yr	1721282.8	88.5	%	0.10				0.12%
B_†	12812.6	0.602	mg/L	0.0063	0.602	mg/L	0.0063	1.05%
Ca†	433210.1	87.6	mg/L	0.22	87.6	mg/L	0.22	0.26%
Cd†	3695.1	0.202	mg/L	0.0031	0.202	mg/L	0.0031	1.54%
Cr†	47621.1	0.947	mg/L	0.0044	0.947	mg/L	0.0044	0.46%
Cu†	276671.6	0.953	mg/L	0.0011	0.953	mg/L	0.0011	0.11%
Fe†	3297.6	4.80	mg/L	0.006	4.80	mg/L	0.006	0.12%
K†	25717.6	21.8	mg/L	0.14	21.8	mg/L	0.14	0.63%
Mg†	69014.2	33.2	mg/L	0.05	33.2	mg/L	0.05	0.16%
Mn†	186270.5	0.496	mg/L	0.0001	0.496	mg/L	0.0001	0.03%
Mo†	6997.9	0.938	mg/L	0.0055	0.938	mg/L	0.0055	0.59%
Na†	385758.5	94.5	mg/L	0.05	94.5	mg/L	0.05	0.06%
Ni†	6810.6	0.473	mg/L	0.0028	0.473	mg/L	0.0028	0.59%
Pb†	2738.2	0.948	mg/L	0.0100	0.948	mg/L	0.0100	1.06%

Sequence No.: 106
Sample ID: 2709180348
Analyst: Syljohn Estil
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 107
Date Collected: 9/20/2007 04:56:55
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180348

Analyte	Back Pressure	Flow
All	216.0 kPa	0.65 L/min

Mean Data: 2709180348

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	251517.5	82.5	%	0.86				1.05%
Yr	1587223.5	81.6	%	0.20				0.25%
B_t	73447.5	3.45	mg/L	0.026	3.45	mg/L	0.026	0.76%
Cat	1858836.6	376	mg/L	0.2	376	mg/L	0.2	0.05%
Cdt	-20.8	-0.00114	mg/L	0.000049	-0.00114	mg/L	0.000049	4.27%
Crt	771.4	0.0153	mg/L	0.00041	0.0153	mg/L	0.00041	2.69%
Cut	857.5	0.00295	mg/L	0.000182	0.00295	mg/L	0.000182	6.17%
Fet	38.2	0.0555	mg/L	0.00444	0.0555	mg/L	0.00444	7.99%
Kt	38669.2	32.8	mg/L	0.14	32.8	mg/L	0.14	0.42%
Mgt	382421.3	184	mg/L	3.7	184	mg/L	3.7	2.03%
Mnt	308125.8	0.820	mg/L	0.0014	0.820	mg/L	0.0014	0.18%
Mot	566.4	0.0759	mg/L	0.00141	0.0759	mg/L	0.00141	1.86%
Nat	4655638.7	1140	mg/L	9.5	1140	mg/L	9.5	0.83%
Nit	142.0	0.00987	mg/L	0.000176	0.00987	mg/L	0.000176	1.78%
Pbt	-37.5	-0.0130	mg/L	0.00024	-0.0130	mg/L	0.00024	1.86%

Sequence No.: 114
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/20/2007 05:32:34
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	218.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sca	273869.2	89.8	%	0.12				0.13%
Yr	1637487.3	84.2	%	0.93				1.11%
B_†	50532.0	2.37	mg/L	0.005	2.37	mg/L	0.005	0.20%
QC value within limits for B_		Recovery = 94.93%						
Ca†	242135.0	48.9	mg/L	0.17	48.9	mg/L	0.17	0.36%
QC value within limits for Ca		Recovery = 97.88%						
Cd†	44976.8	2.45	mg/L	0.011	2.45	mg/L	0.011	0.44%
QC value within limits for Cd		Recovery = 98.17%						
Cr†	245419.7	4.88	mg/L	0.015	4.88	mg/L	0.015	0.31%
QC value within limits for Cr		Recovery = 97.65%						
Cu†	1409774.0	4.86	mg/L	0.000	4.86	mg/L	0.000	0.00%
QC value within limits for Cu		Recovery = 97.11%						
Fe†	3330.0	4.85	mg/L	0.071	4.85	mg/L	0.071	1.46%
QC value within limits for Fe		Recovery = 96.95%						
K†	57359.8	48.7	mg/L	0.57	48.7	mg/L	0.57	1.18%
QC value within limits for K		Recovery = 97.43%						
Mg†	103441.3	49.7	mg/L	0.04	49.7	mg/L	0.04	0.08%
QC value within limits for Mg		Recovery = 99.49%						
Mn†	1805709.9	5.02	mg/L	0.012	5.02	mg/L	0.012	0.24%
QC value within limits for Mn		Recovery = 100.34%						
Mo†	35847.5	4.80	mg/L	0.016	4.80	mg/L	0.016	0.34%
QC value within limits for Mo		Recovery = 96.10%						
Na†	199297.1	48.8	mg/L	0.20	48.8	mg/L	0.20	0.40%
QC value within limits for Na		Recovery = 97.62%						
Ni†	70048.1	4.87	mg/L	0.028	4.87	mg/L	0.028	0.57%
QC value within limits for Ni		Recovery = 97.36%						
Pb†	13984.3	4.84	mg/L	0.030	4.84	mg/L	0.030	0.63%
QC value within limits for Pb		Recovery = 96.86%						

All analyte(s) passed QC.

Sequence No.: 115
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/20/2007 05:36:18
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	284293.9	93.2	%	0.86				0.92%
Yr	1702708.8	87.5	%	0.73				0.84%
B_†	357.3	0.0168	mg/L	0.00014	0.0168	mg/L	0.00014	0.85%
QC value within limits for B_		Recovery = Not calculated						
Ca†	-177.9	-0.0360	mg/L	0.00030	-0.0360	mg/L	0.00030	0.83%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	5.4	0.00029	mg/L	0.000226	0.00029	mg/L	0.000226	76.66%
QC value within limits for Cd		Recovery = Not calculated						
Cr†	6.3	0.00013	mg/L	0.000029	0.00013	mg/L	0.000029	22.81%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	93.3	0.00032	mg/L	0.000070	0.00032	mg/L	0.000070	21.77%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	0.3	0.00036	mg/L	0.000170	0.00036	mg/L	0.000170	46.72%
QC value within limits for Fe		Recovery = Not calculated						
K†	-14.5	-0.0123	mg/L	0.00452	-0.0123	mg/L	0.00452	36.70%
QC value within limits for K		Recovery = Not calculated						
Mg†	-3.9	-0.00187	mg/L	0.001393	-0.00187	mg/L	0.001393	74.51%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	6.8	0.00002	mg/L	0.000015	0.00002	mg/L	0.000015	83.08%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	17.1	0.00229	mg/L	0.000056	0.00229	mg/L	0.000056	2.44%
QC value within limits for Mo		Recovery = Not calculated						
Na†	444.4	0.109	mg/L	0.0161	0.109	mg/L	0.0161	14.81%
QC value within limits for Na		Recovery = Not calculated						
Ni†	-13.3	-0.00093	mg/L	0.000094	-0.00093	mg/L	0.000094	10.10%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	-1.3	-0.00045	mg/L	0.000350	-0.00045	mg/L	0.000350	77.78%
QC value within limits for Pb		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 116
Sample ID: MCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/20/2007 05:39:49
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MCV

Analyte	Back Pressure	Flow
All	217.0 kPa	0.65 L/min

Mean Data: MCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	278940.3	91.5	%	1.22				1.34%
Yr	1677766.1	86.3	%	0.52				0.60%
B_†	25994.9	1.22	mg/L	0.025	1.22	mg/L	0.025	2.02%
QC value within limits for B_	Recovery = 97.67%							
Ca†	122288.9	24.7	mg/L	0.06	24.7	mg/L	0.06	0.26%
QC value within limits for Ca	Recovery = 98.87%							
Cd†	23031.8	1.26	mg/L	0.021	1.26	mg/L	0.021	1.68%
QC value within limits for Cd	Recovery = 100.54%							
Cr†	125230.3	2.49	mg/L	0.011	2.49	mg/L	0.011	0.45%
QC value within limits for Cr	Recovery = 99.65%							
Cu†	715040.5	2.46	mg/L	0.005	2.46	mg/L	0.005	0.20%
QC value within limits for Cu	Recovery = 98.51%							
Fe†	1680.8	2.45	mg/L	0.022	2.45	mg/L	0.022	0.88%
QC value within limits for Fe	Recovery = 97.87%							
K†	28201.1	24.0	mg/L	0.13	24.0	mg/L	0.13	0.53%
QC value within limits for K	Recovery = 95.81%							
Mg†	52383.5	25.2	mg/L	0.10	25.2	mg/L	0.10	0.38%
QC value within limits for Mg	Recovery = 100.77%							
Mn†	972423.2	2.59	mg/L	0.004	2.59	mg/L	0.004	0.14%
QC value within limits for Mn	Recovery = 103.49%							
Mo†	18518.9	2.48	mg/L	0.041	2.48	mg/L	0.041	1.64%
QC value within limits for Mo	Recovery = 99.29%							
Na†	98036.6	24.0	mg/L	0.09	24.0	mg/L	0.09	0.37%
QC value within limits for Na	Recovery = 96.04%							
Ni†	36460.0	2.53	mg/L	0.039	2.53	mg/L	0.039	1.54%
QC value within limits for Ni	Recovery = 101.35%							
Pb†	7308.0	2.53	mg/L	0.037	2.53	mg/L	0.037	1.46%
QC value within limits for Pb	Recovery = 101.23%							

All analyte(s) passed QC.

EPA 200.7/6010B QC Check List

Analyst SRE Analysis Date 9-25-07 Reviewer/Date MW092607

Instrumnet PerKin Elmer Optima 4300DV

✓ All sample analyzed within 6 month holding time

✓ All sample raw concentraction below the high standard or linear anged samples marked for dilution and rerun

Initial and closing QC
- ✓ ICV within +/- 5%
- ✓ Linearity check +/- 10%
- ✓ ICSAB +/- 20%
- ✓ 1 PPM check +/-/10%
- ✓ MRL +/- 50%

Middle, closing and batch QC
- ✓ FilterCheck < 1/2 MRL
- ✓ MBLANK < 1/2 MRL
- ✓ LCS +/-15%
- ✓ MS/MSD +/-/30%(200.7) +/- 25% (6010B)
- ✓ CCV/MCV/ECV +/- 10%
- ✓ ICB/CCB/ECB < 1/2 MRL
- ✓ CCB ran after the CCV

General QC
- ✓ RPD between MS/MSD is within +/-/20%
- ✓ RPD between LCS/LCSD is within +/- 20%
- ✓ Internal standards +/-20%
- ✓ All pH of the samples are < 2

✓ No more than 20 samples per batch

✓ MS is run at frequency of 1 every 10 samples and MSD is run at frequency of 1 every 20 samples

n/a QIR needed for failed QC

✓ Special Det Code noted on the cover sheet

n/a R value for multi point calibration is > 0.995

✓ Proper MRL check ran for special low MRL samples

Reagent and Standards used for
Optima 4300 DV
Updated 08/14/07

Int: SRE
Date: 9/25/07

Method 200.7/6010

ICP SUMMARY SHEET

File ID: 070925a
Date Started: 9/25/07
Analyst ID: WBH

SAMPLE ID

LINEARITY	(16:34)	Wash	(16:45)	FILTER CHECK	(17:04)
2709250179	(17:27)	2709110855	(17:38)	2709120508	(17:48)
F709110855	(17:53)	F709120508	(17:56)	Z709110858	(18:01)
2709180748	(18:05)	2709130192	(18:10)	F709140446_1	(18:13)
N709190446_2	(18:18)	2709250177	(18:22)	2709180239	(18:45)
2709180242	(18:50)	2709180164	(18:54)	2709240457	(18:58)
2709240454	(19:02)	2709240478	(19:07)	2709240448	(19:11)
2709240459	(19:16)	2709240450	(19:20)	2709250178	(19:42)
2709240482	(19:54)	2709240483	(19:58)	2709240479	(20:02)
2709240481	(20:07)	2709240476	(20:23)	2709240469	(20:27)
2709240464	(20:31)	2709240465	(20:36)	2709240467	(20:40)
2709250176	(20:45)	2709240468	(20:56)	2709240471	(21:00)
2709240472	(21:17)	2709240473	(21:21)	2709240474	(21:26)
2709240475	(21:30)	F709240464	(21:35)	F709240465	(21:39)
F709240467	(21:43)	2709250255	(22:11)	F709240468	(22:22)
F709240471	(22:27)	F709240472	(22:31)	F709240473	(22:36)
F709240474	(22:40)	F709240475	(22:45)	2709240048	(22:49)
2709240049	(23:00)	2709240050	(23:05)	2709250190	(23:09)
2709240051	(23:21)	2709240052	(23:26)	2709240053	(23:30)
2709240138	(23:34)	2709240139	(23:39)	2709240140	(23:54)
2709240141	(23:59)	2709240142	(0:03)	2709250159	(0:08)
2709250167	(0:22)	2709250160	(0:44)	2709250340	(0:48)
2709250171	(0:53)	2709140336	(1:07)	2709190395	(1:19)
2709170227	(1:42)	2709170229	(1:46)	2709170231	(1:50)
2709170232	(1:54)	2709170234	(1:59)	2709170235	(2:03)
2709170237	(2:07)	2709170238	(2:12)	2709170240	(2:23)
2709170241	(2:27)	2709140219	(2:32)	2709140335	(2:36)
2709140340	(2:40)	2709180347	(2:45)	2709120400	(2:49)
2709120402	(2:54)	2709130107	(2:58)	2709190398	(3:03)
Wash	(4:51)				

COMMENT:

2709190446 mislabeled as 2709140446

Analyst: STE

Approved By: MB092607

BATCH NUMBER for 070925a

Test Parameter:

SCA YR AG AL AS B_ BA BE CA CD CO CR CU FE K MG MN MO NA NI

Batch ID: 2709250179

2709250179	2709110855	2709120508
2709180748	2709130192	2709250177
2709180239	2709180242	2709180164
2709240457	2709240454	2709240478
2709240448	2709240459	2709240450

Batch ID: 2709250178

2709250178	2709240482	2709240483
2709240479	2709240481	2709240476
2709240469	2709240464	2709240465
2709240467	2709250176	2709240468
2709240471	2709240472	2709240473
2709240474	2709240475	

Batch ID: 2709250255

2709250255	2709240048	2709240049
2709240050	2709250190	2709240051
2709240052	2709240053	2709240138
2709240139	2709240140	2709240141
2709240142	2709250159	

Batch ID: 2709250167

2709250167	2709250160	2709250340
2709250171		

Batch ID: 2709140336

2709140336	2709190395	2709170227
2709170229	2709170231	2709170232
2709170234	2709170235	2709170237
2709170238	2709170240	2709170241
2709140219	2709140335	2709140340
2709180347	2709120400	2709120402
2709130107	2709190398	

File ID: 070925a CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
ICV	9/25/07	16:31	1	9.9944	9.99	95-105	99.9%
LINEARITY	9/25/07	16:34	1	0.0019	.0019		
ICSA	9/25/07	16:38	1	-0.0009	ND	80-120	
ICSAB	9/25/07	16:42	1	.25338	.253	80-120	101%
Wash	9/25/07	16:45	1	0.0001	0.0001		
QC-25 1ppm	9/25/07	16:49	1	1.0083	1.0		
CCV	9/25/07	16:53	1	4.9987	5.00	90-110	99.9%
ICB	9/25/07	16:57	1	0.0001	0.0000		
MRL	9/25/07	17:00	1	0.0103	.0103 ✓	50-150	103%
FILTER CHECK	9/25/07	17:04	1	-0.0000	ND		
MRL/2	9/25/07	17:08	1	0.0054	.0054		
MRL 200.7	9/25/07	17:11	1	0.0101	.0101		
MBLANK	9/25/07	17:15	1	0.0003	0.0002✓		
LCS	9/25/07	17:19	1	.99616	.996	85-115	99.6%
LCSD	9/25/07	17:23	1	1.0058	1.01	85-115	100%
2709250179	9/25/07	17:27	1	0.0048	.0048		
2709250179MS	9/25/07	17:30	1	1.0079	1.01	[1.003]	100%
2709250179MSD	9/25/07	17:34	1	1.0077	1.01	[1.003]	100%
2709250179T	9/25/07	17:34	1		1.00	70 - 130	
2709110855	9/25/07	17:38	1	-0.0002	ND		
CCV	9/25/07	17:42	1	5.0255	5.03	90-110	100%
CCB	9/25/07	17:45	1	0.0002	0.0001✓		
2709120508	9/25/07	17:48	1	-0.0005	ND		
F709110855	9/25/07	17:53	1	-0.0005	ND		
F709120508	9/25/07	17:56	1	-0.0005	ND		
Z709110858	9/25/07	18:01	1	-0.0006	ND		
2709180748	9/25/07	18:05	1	-0.0005	ND		
2709130192	9/25/07	18:10	1	-0.0006	ND		
F709190446_10X dilution factor	9/25/07	18:13	10	-0.0082	ND		
N709190446_20X	9/25/07	18:18	20	-0.0053	ND		
2709250177	9/25/07	18:22	1	-0.0005	ND		
2709250177MS	9/25/07	18:27	1	.94989	.95	[0.950]	94.9%
CCV	9/25/07	18:30	1	4.7794	4.78	90-110	95.5%
CCB	9/25/07	18:34	1	0.0003	0.0002✓		
MCV	9/25/07	18:37	1	2.4024	2.4	90-110	96.0%
2709250177MSD	9/25/07	18:42	1	.98746	.987	[0.987]	98.7%
2709250177T	9/25/07	18:42	1		1.00	70 - 130	
2709180239	9/25/07	18:45	1	-0.0002	ND		
2709180242	9/25/07	18:50	1	-0.0001	ND		
2709180164	9/25/07	18:54	1	0.0001	0.0000		
2709240457	9/25/07	18:58	1	-0.0001	ND		
2709240454	9/25/07	19:02	1	0.0002	0.0001		
2709240478	9/25/07	19:07	1	-0.0006	ND		
2709240448	9/25/07	19:11	1	-0.0003	ND		
2709240459	9/25/07	19:16	1	-0.0005	ND		
2709240450	9/25/07	19:20	1	-0.0003	ND		

File ID: 070925a CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
CCV	9/25/07	19:24	1	5.1171	5.12	90-110	102%
CCB	9/25/07	19:27	1	0.0003	0.0003		
MBLANK	9/25/07	19:31	1	0.0003	0.0002 ✓		
LCS	9/25/07	19:34	1	1.0173	1.02	85-115	101%
LCSD	9/25/07	19:38	1	1.0381	1.04	85-115	103%
2709250178	9/25/07	19:42	1	-0.0005	ND		
2709250178MS	9/25/07	19:46	1	1.0322	1.03	[1.032]	103%
2709250178MSD	9/25/07	19:50	1	1.0366	1.04	[1.037]	103%
2709250178T	9/25/07	19:50	1		1.00	70 - 130	
2709240482	9/25/07	19:54	1	0.0056	.0056		
2709240483	9/25/07	19:58	1	0.0107	.011		
2709240479	9/25/07	20:02	1	-0.0003	ND		
2709240481	9/25/07	20:07	1	-0.0003	ND		
CCV	9/25/07	20:11	1	5.1790	5.18	90-110	103%
CCB	9/25/07	20:15	1	0.0003	0.0002 ✓		
MCV	9/25/07	20:18	1	2.5477	2.55	90-110	101%
2709240476	9/25/07	20:23	1	-0.0002	ND		
2709240469	9/25/07	20:27	1	-0.0001	ND		
2709240464	9/25/07	20:31	1	-0.0003	ND		
2709240465	9/25/07	20:36	1	-0.0000	ND		
2709240467	9/25/07	20:40	1	-0.0002	ND		
2709250176	9/25/07	20:45	1	0.0038	.0038		
2709250176MS	9/25/07	20:48	1	.98525	.985	[0.981]	98.1%
2709250176MSD	9/25/07	20:52	1	1.0263	1.03	[1.023]	102%
2709250176T	9/25/07	20:52	1		1.00	70 - 130	
2709240468	9/25/07	20:56	1	0.0013	.0013		
2709240471	9/25/07	21:00	1	0.0000	0.0000		
CCV	9/25/07	21:05	1	5.0219	5.02	90-110	100%
CCB	9/25/07	21:13	1	0.0004	0.0003 ✓		
2709240472	9/25/07	21:17	1	0.0015	.0015		
2709240473	9/25/07	21:21	1	-0.0002	ND		
2709240474	9/25/07	21:26	1	-0.0002	ND		
2709240475	9/25/07	21:30	1	0.0001	0.0000		
F709240464	9/25/07	21:35	1	-0.0005	ND		
F709240465	9/25/07	21:39	1	-0.0004	ND		
F709240467	9/25/07	21:43	1	-0.0004	ND		
MBLANK	9/25/07	21:48	1	0.0004	0.0003 ✓		
LCS	9/25/07	21:52	1	1.0518	1.05 ✓✓	85-115	105%
LCSD	9/25/07	21:55	1	.99257	.993	85-115	99.2%
CCV	9/25/07	21:59	1	5.0293	5.03	90-110	100%
CCB	9/25/07	22:03	1	0.0005	0.0004 ✓		
MCV	9/25/07	22:06	1	2.4813	2.48	90-110	99.2%
2709250255	9/25/07	22:11	1	0.0004	0.0004 ✓		
2709250255MS	9/25/07	22:15	1	.97544	.975 ✓	[0.975]	97.5%
2709250255MSD	9/25/07	22:19	1	.97897	.979 ✓	[0.979]	97.8%
2709250255T	9/25/07	22:19	1		1.00	70 - 130	
F709240468	9/25/07	22:22	1	0.0005	0.0004		
F709240471	9/25/07	22:27	1	-0.0007	ND		
F709240472	9/25/07	22:31	1	-0.0005	ND		

File ID: 070925a CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
F709240473	9/25/07	22:36	1	-0.0004	ND		
F709240474	9/25/07	22:40	1	-0.0003	ND		
F709240475	9/25/07	22:45	1	-0.0007	ND		
2709240048	9/25/07	22:49	1	0.0017	.0017		
CCV	9/25/07	22:54	1	4.8923	4.89	90-110	97.8%
CCB	9/25/07	22:57	1	0.0002	0.0002		
2709240049	9/25/07	23:00	1	0.0017	.0017		
2709240050	9/25/07	23:05	1	0.0017	.0017		
2709250190	9/25/07	23:09	1	-0.0004	ND		
2709250190MS	9/25/07	23:14	1	.90472	.905	[0.905]	90.4%
2709250190MSD	9/25/07	23:17	1	.90371	.904	[0.904]	90.3%
2709250190T	9/25/07	23:17	1		1.00	70 - 130	
2709240051	9/25/07	23:21	1	0.0015	.0015		
2709240052	9/25/07	23:26	1	0.0019	.0019		
2709240053	9/25/07	23:30	1	0.0019	.0019		
2709240138	9/25/07	23:34	1	0.0016	.0016		
2709240139	9/25/07	23:39	1	0.0019	.0019		
CCV	9/25/07	23:43	1	5.1991	5.2	90-110	103%
CCB	9/25/07	23:46	1	0.0004	0.0003		
MCV	9/25/07	23:50	1	2.4588	2.46	90-110	98.3%
2709240140	9/25/07	23:54	1	0.0025	.0025		
2709240141	9/25/07	23:59	1	0.0025	.0025		
2709240142	9/26/07	0:03	1	0.0023	.0023		
2709250159	9/26/07	0:08	1	0.0043	.0043		
MBLANK	9/26/07	0:12	1	0.0001	0.0000		
LCS	9/26/07	0:16	1	.92864	.929	85-115	92.8%
LCSD	9/26/07	0:19	1	.96584	.966	85-115	96.5%
2709250167	9/26/07	0:22	1	-0.0006	ND		
2709250167MS	9/26/07	0:27	1	.95724	.957	[0.957]	95.7%
2709250167MSD	9/26/07	0:30	1	.96027	.96	[0.960]	96.0%
2709250167T	9/26/07	0:30	1		1.00	70 - 130	
CCV	9/26/07	0:34	1	4.9200	4.92	90-110	98.4%
CCB	9/26/07	0:40	1	0.0002	0.0001		
2709250160	9/26/07	0:44	1	0.0170	.017		
2709250340	9/26/07	0:48	1	-0.0003	ND		
2709250171	9/26/07	0:53	1	0.0064	.0064		
MBLANK 200.7	9/26/07	0:57	1	0.0010	0.0009		
LCS	9/26/07	1:01	1	1.0172	1.02	85-115	101%
LCSD	9/26/07	1:04	1	.95829	.958	85-115	95.8%
2709140336	9/26/07	1:07	1	0.0007	0.0006		
2709140336MS	9/26/07	1:11	1	.98566	.986	[0.986]	98.5%
2709140336MSD	9/26/07	1:15	1	.97821	.978	[0.978]	97.8%
2709140336T	9/26/07	1:15	1		1.00	70 - 130	
2709190395	9/26/07	1:19	1	0.0006	0.0005		
CCV	9/26/07	1:23	1	4.9041	4.9	90-110	98.0%
CCB	9/26/07	1:26	1	0.0005	0.0004		
MCV	9/26/07	1:30	1	2.4515	2.45	90-110	98.0%
2709190395MS	9/26/07	1:34	1	.95300	.953	[0.953]	95.3%

File ID: 070925a CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2709190395MSD	9/26/07	1:38	1	.97448	.974	0.974)	97.4%
2709190395T	9/26/07	1:38	1		1.00	70 - 130	
2709170227	9/26/07	1:42	1	-0.0000	ND		
2709170229	9/26/07	1:46	1	-0.0000	ND		
2709170231	9/26/07	1:50	1	-0.0000	ND		
2709170232	9/26/07	1:54	1	0.0000	0.0000		
2709170234	9/26/07	1:59	1	-0.0001	ND		
2709170235	9/26/07	2:03	1	-0.0001	ND		
2709170237	9/26/07	2:07	1	-0.0002	ND		
2709170238	9/26/07	2:12	1	-0.0001	ND		
CCV	9/26/07	2:16	1	4.8088	4.81	90-110	96.1%
CCB	9/26/07	2:19	1	0.0003	0.0002		
2709170240	9/26/07	2:23	1	-0.0003	ND		
2709170241	9/26/07	2:27	1	-0.0004	ND		
2709140219	9/26/07	2:32	1	1.4008	1.4		
2709140335	9/26/07	2:36	1	0.0014	.0014		
2709140340	9/26/07	2:40	1	0.0009	0.0008		
2709180347	9/26/07	2:45	1	0.0084	.0084		
2709120400	9/26/07	2:49	1	0.0118	.012		
2709120402	9/26/07	2:54	1	0.0099	.0099		
2709130107	9/26/07	2:58	1	0.0104	.010		
2709190398	9/26/07	3:03	1	0.0027	.0027		
CCV	9/26/07	3:06	1	4.8924	4.89	90-110	97.8%
CCB	9/26/07	3:15	1	0.0004	0.0003		
MCV	9/26/07	3:22	1	2.4093	2.41	90-110	96.3%
MRL A	9/26/07	3:27	1	.01048	.0105		
MRL B	9/26/07	3:31	1	0.0105	.0105		
MRL C	9/26/07	3:34	1	0.0105	.0105		
MRL/2 A	9/26/07	3:38	1	0.0055	.0055		
MRL/2 B	9/26/07	3:42	1	0.0052	.0052		
MRL/2 C	9/26/07	3:46	1	0.0052	.0052		
MRL/4 A	9/26/07	3:49	1	0.0028	.0028		
MRL/4 B	9/26/07	3:53	1	0.0028	.0028		
MRL/4 C	9/26/07	3:58	1	0.0027	.0027		
MRL/5 A	9/26/07	4:03	1	0.0021	.0021		
CCV	9/26/07	4:10	1	4.8701	4.87	90-110	97.4%
CCB	9/26/07	4:19	1	0.0005	0.0004		
MRL/5 B	9/26/07	4:23	1	0.0023	.0023		
MRL/5 C	9/26/07	4:27	1	0.0023	.0023		
MRL/10 A	9/26/07	4:31	1	0.0012	.0012		
MRL/10 B	9/26/07	4:35	1	0.0011	.0011		
MRL/10 C	9/26/07	4:39	1	0.0012	.0012		
ICSA	9/26/07	4:43	1	-0.0006	ND	80-120	
ICSAB	9/26/07	4:47	1	.23999	.24	80-120	95.9%
Wash	9/26/07	4:51	1	0.0002	0.0002		
QC-25 1ppm	9/26/07	4:58	1	1.0032	1.0		

File ID: 070925a CR

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
ECV	9/26/07	5:05	1	4.8904	4.89	90-110	97.8%
ECB	9/26/07	5:13	1	0.0002	0.0002		

Analysis Begun

Start Time: 9/25/2007 16:24:21 Plasma On Time: 9/25/2007 08:22:42
Logged In Analyst: Owner Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N2121801 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Owner\Sample Information\September_09_SIF\070925A.sif
Batch ID: 070925A
Results Data Set: 070925A
Results Library: C:\pe\Owner\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 0
Sample ID: Calib Blank 1 Date Collected: 9/25/2007 16:24:22
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sca	468142.0	155.81	0.03%	100	%
Yr	756823.2	3372.29	0.45%	100	%
Agt	1451.7	129.28	8.91%	[0.00]	mg/L
Alt	61.6	43.43	70.49%	[0.00]	mg/L
Ast	5.4	0.63	11.69%	[0.00]	mg/L
B_t	453.9	3.69	0.81%	[0.00]	mg/L
Bat	-30.9	4.60	14.89%	[0.00]	mg/L
Bet	-5003.7	3.28	0.07%	[0.00]	mg/L
Cat	1917.6	59.68	3.11%	[0.00]	mg/L
Cdt	61.0	1.22	2.00%	[0.00]	mg/L
Cot	-61.1	4.32	7.07%	[0.00]	mg/L
Crt	362.5	1.35	0.37%	[0.00]	mg/L
Cut	3242.0	28.58	0.88%	[0.00]	mg/L
Fet	-9.0	0.37	4.08%	[0.00]	mg/L
Kt	385.9	79.19	20.52%	[0.00]	mg/L
Mgt	-54.2	3.16	5.83%	[0.00]	mg/L
Mnt	112.5	5.62	5.00%	[0.00]	mg/L
Mot	34.2	1.38	4.04%	[0.00]	mg/L
Nat	-394.7	20.26	5.13%	[0.00]	mg/L
Nit	-64.7	12.27	18.98%	[0.00]	mg/L
Pbt	-24.6	5.04	20.50%	[0.00]	mg/L
Sbt	14.5	7.71	53.26%	[0.00]	mg/L
Set	-4.1	7.57	186.77%	[0.00]	mg/L
Tlt	-30.8	2.80	9.08%	[0.00]	mg/L
Vt	234.2	25.33	10.82%	[0.00]	mg/L
Znt	484.8	34.62	7.14%	[0.00]	mg/L
Alxt	602.5	8.08	1.34%	[0.00]	ug/L
Bext	-5003.7	3.28	0.07%	[0.00]	ug/L

Sequence No.: 2
Sample ID: Standard 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 9/25/2007 16:27:50
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Standard 2

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: Standard 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sca	435446.6	1032.93	0.24%	93.0	%
Yr	707863.4	12442.39	1.76%	93.5	%
Agt	568017.6	300.60	0.05%	[2]	mg/L
Alt	39337.4	880.09	2.24%	[10]	mg/L
Ast	23750.3	31.97	0.13%	[10]	mg/L
B_t	164121.7	154.41	0.09%	[5.02]	mg/L
Bat	787731.5	1741.38	0.22%	[10]	mg/L
Bet	12757669.4	70241.04	0.55%	[4.01]	mg/L
Cat	721784.0	12634.92	1.75%	[100]	mg/L
Cdt	146842.0	732.63	0.50%	[5.01]	mg/L
Cot	291939.0	261.59	0.09%	[10]	mg/L
Crt	828065.6	107.61	0.01%	[9.97]	mg/L
Cut	3918889.9	9778.34	0.25%	[10]	mg/L
Fet	10690.2	257.10	2.41%	[9.98]	mg/L
Kt	127166.0	2596.90	2.04%	[100]	mg/L
Mgt	300493.4	5541.31	1.84%	[100]	mg/L
Mnt	5904308.5	11228.67	0.19%	[10]	mg/L
Mot	140049.3	643.19	0.46%	[9.98]	mg/L
Nat	333214.0	5449.32	1.64%	[100]	mg/L
Nit	249297.7	82.06	0.03%	[10]	mg/L
Pbt	54949.2	288.56	0.53%	[10]	mg/L
Sbt	21796.8	84.07	0.39%	[10]	mg/L
Set	14940.3	89.39	0.60%	[10]	mg/L
Tlt	30036.0	60.37	0.20%	[10]	mg/L
Vt	1770991.7	74.28	0.00%	[10]	mg/L
Znt	532378.8	658.92	0.12%	[10]	mg/L
Alxt	970303.2	616.87	0.06%	[10000]	ug/L
Bext	12757669.4	70241.04	0.55%	[4010]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag	1	Lin, Calc Int	0.0	284000	0.00000	1.000000	
Al	1	Lin, Calc Int	0.0	3934	0.00000	1.000000	
As	1	Lin, Calc Int	0.0	2375	0.00000	1.000000	
B_	1	Lin, Calc Int	0.0	32690	0.00000	1.000000	
Ba	1	Lin, Calc Int	0.0	78770	0.00000	1.000000	
Be	1	Lin, Calc Int	0.0	3181000	0.00000	1.000000	
Ca	1	Lin, Calc Int	-0.0	7218	0.00000	1.000000	
Cd	1	Lin, Calc Int	0.0	29310	0.00000	1.000000	
Co	1	Lin, Calc Int	0.0	29190	0.00000	1.000000	
Cr	1	Lin, Calc Int	-0.0	83060	0.00000	1.000000	
Cu	1	Lin, Calc Int	-0.0	391900	0.00000	1.000000	
Fe	1	Lin, Calc Int	-0.0	1071	0.00000	1.000000	
K	1	Lin, Calc Int	0.0	1272	0.00000	1.000000	
Mg	1	Lin, Calc Int	0.0	3005	0.00000	1.000000	
Mn	1	Lin, Calc Int	0.0	590400	0.00000	1.000000	
Mo	1	Lin, Calc Int	0.0	14030	0.00000	1.000000	
Na	1	Lin, Calc Int	0.0	3332	0.00000	1.000000	
Ni	1	Lin, Calc Int	0.0	24930	0.00000	1.000000	
Pb	1	Lin, Calc Int	0.0	5495	0.00000	1.000000	
Sb	1	Lin, Calc Int	0.0	2180	0.00000	1.000000	
Se	1	Lin, Calc Int	0.0	1494	0.00000	1.000000	

Tl	1	Lin, Calc Int	0.0	3004	0.00000	1.000000
V	1	Lin, Calc Int	0.0	177100	0.00000	1.000000
Zn	1	Lin, Calc Int	0.0	53240	0.00000	1.000000
Alx	1	Lin, Calc Int	0.0	97.03	0.00000	1.000000
Bex	1	Lin, Calc Int	0.0	3181	0.00000	1.000000

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 9/25/2007 16:31:11
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICV

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	437398.6	93.4	%	0.11				0.11%
Yr	714604.3	94.4	%	1.41				1.50%
Ag†	567922.4	2.00	mg/L	0.008	2.00	mg/L	0.008	0.41%
QC value within limits for Ag		Recovery = 99.98%						
Al†	38213.4	9.71	mg/L	0.197	9.71	mg/L	0.197	2.03%
QC value within limits for Al		Recovery = 97.14%						
As†	23905.1	10.1	mg/L	0.01	10.1	mg/L	0.01	0.11%
QC value within limits for As		Recovery = 100.64%						
B_†	165132.0	5.03	mg/L	0.032	5.03	mg/L	0.032	0.64%
QC value within limits for B_		Recovery = 100.61%						
Ba†	790194.9	10.0	mg/L	0.03	10.0	mg/L	0.03	0.31%
QC value within limits for Ba		Recovery = 100.31%						
Be†	12641662.7	3.97	mg/L	0.001	3.97	mg/L	0.001	0.04%
QC value within limits for Be		Recovery = 99.34%						
Ca†	705809.9	97.8	mg/L	0.19	97.8	mg/L	0.19	0.20%
QC value within limits for Ca		Recovery = 97.79%						
Cd†	147892.5	4.91	mg/L	0.016	4.91	mg/L	0.016	0.32%
QC value within limits for Cd		Recovery = 98.19%						
Co†	292666.2	10.0	mg/L	0.03	10.0	mg/L	0.03	0.26%
QC value within limits for Co		Recovery = 100.25%						
Cr†	830099.6	9.99	mg/L	0.017	9.99	mg/L	0.017	0.17%
QC value within limits for Cr		Recovery = 99.94%						
Cu†	3919139.8	10.0	mg/L	0.07	10.0	mg/L	0.07	0.73%
QC value within limits for Cu		Recovery = 100.10%						
Fe†	10460.4	9.77	mg/L	0.184	9.77	mg/L	0.184	1.88%
QC value within limits for Fe		Recovery = 97.65%						
K†	124675.6	98.0	mg/L	0.73	98.0	mg/L	0.73	0.75%
QC value within limits for K		Recovery = 98.04%						
Mg†	294594.9	98.0	mg/L	0.24	98.0	mg/L	0.24	0.24%
QC value within limits for Mg		Recovery = 98.04%						
Mn†	5917958.0	10.0	mg/L	0.03	10.0	mg/L	0.03	0.35%
QC value within limits for Mn		Recovery = 100.23%						
Mo†	141150.8	10.1	mg/L	0.04	10.1	mg/L	0.04	0.42%
QC value within limits for Mo		Recovery = 100.58%						
Na†	325676.3	97.7	mg/L	0.45	97.7	mg/L	0.45	0.46%
QC value within limits for Na		Recovery = 97.74%						
Ni†	249780.8	10.0	mg/L	0.03	10.0	mg/L	0.03	0.27%
QC value within limits for Ni		Recovery = 100.19%						
Pb†	55509.6	10.1	mg/L	0.04	10.1	mg/L	0.04	0.35%
QC value within limits for Pb		Recovery = 101.02%						
Sb†	21965.0	9.92	mg/L	0.009	9.92	mg/L	0.009	0.09%
QC value within limits for Sb		Recovery = 99.19%						
Se†	15057.8	10.1	mg/L	0.06	10.1	mg/L	0.06	0.60%
QC value within limits for Se		Recovery = 100.98%						
Tl†	30289.3	10.1	mg/L	0.02	10.1	mg/L	0.02	0.23%
QC value within limits for Tl		Recovery = 101.13%						
V†	1773341.7	10.1	mg/L	0.03	10.1	mg/L	0.03	0.27%
QC value within limits for V		Recovery = 100.68%						
Zn†	532677.1	9.94	mg/L	0.030	9.94	mg/L	0.030	0.31%
QC value within limits for Zn		Recovery = 99.37%						
Alx†	971334.0	10000	ug/L	82.9	10.0	mg/L	0.08	0.83%
QC value within limits for Alx		Recovery = 100.11%						
Bex†	12641662.7	3970	ug/L	1.5	3.97	mg/L	0.001	0.04%
QC value within limits for Bex		Recovery = 99.34%						

All analyte(s) passed QC.

Sequence No.: 4
Sample ID: LINEARITY
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 9/25/2007 16:34:35
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LINEARITY

Analyte	Back Pressure	Flow
All	232.0 kPa	0.65 L/min

Mean Data: LINEARITY

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	419003.4	89.5	%	0.76				0.85%
Yr	695792.4	91.9	%	0.44				0.48%
Agf	-10031.9	-0.0353	mg/L	0.00019	-0.0353	mg/L	0.00019	0.54%
QC value within limits for Ag		Recovery = Not calculated						
Alf	3.7	0.00093	mg/L	0.005537	0.00093	mg/L	0.005537	592.60%
QC value within limits for Al		Recovery = Not calculated						
Asf	-209.3	-0.0294	mg/L	0.00128	-0.0294	mg/L	0.00128	4.36%
QC value within limits for As		Recovery = Not calculated						
B_f	660.2	0.0202	mg/L	0.00328	0.0202	mg/L	0.00328	16.22%
QC value within limits for B_		Recovery = Not calculated						
Baf	126.2	0.00160	mg/L	0.000113	0.00160	mg/L	0.000113	7.08%
QC value within limits for Ba		Recovery = Not calculated						
Bef	-1206.1	-0.00038	mg/L	0.000014	-0.00038	mg/L	0.000014	3.76%
QC value within limits for Be		Recovery = Not calculated						
Caf	2100390.9	291	mg/L	0.3	291	mg/L	0.3	0.11%
QC value within limits for Ca		Recovery = 97.00%						
Cdf	-35.7	0.00033	mg/L	0.000300	0.00033	mg/L	0.000300	91.88%
QC value within limits for Cd		Recovery = Not calculated						
Cof	74.3	0.00254	mg/L	0.000143	0.00254	mg/L	0.000143	5.63%
QC value within limits for Co		Recovery = Not calculated						
Crf	154.7	0.00186	mg/L	0.000516	0.00186	mg/L	0.000516	27.71%
QC value within limits for Cr		Recovery = Not calculated						
Cuf	-5115.8	-0.0131	mg/L	0.00011	-0.0131	mg/L	0.00011	0.82%
QC value within limits for Cu		Recovery = Not calculated						
Fef	104249.2	97.3	mg/L	1.43	97.3	mg/L	1.43	1.47%
QC value within limits for Fe		Recovery = 97.32%						
Kf	383142.4	301	mg/L	1.8	301	mg/L	1.8	0.61%
QC value within limits for K		Recovery = 100.43%						
Mgf	551828.7	184	mg/L	0.4	184	mg/L	0.4	0.24%
QC value within limits for Mg		Recovery = Not calculated						
Mnf	2016.0	0.00341	mg/L	0.000006	0.00341	mg/L	0.000006	0.18%
QC value within limits for Mn		Recovery = Not calculated						
Mof	46.9	0.00335	mg/L	0.000433	0.00335	mg/L	0.000433	12.94%
QC value within limits for Mo		Recovery = Not calculated						
Naf	986384.7	296	mg/L	1.4	296	mg/L	1.4	0.46%
QC value within limits for Na		Recovery = 98.67%						
Nif	-0.2	-0.00001	mg/L	0.000221	-0.00001	mg/L	0.000221	>999.9%
QC value within limits for Ni		Recovery = Not calculated						
Pbf	-11.1	-0.00202	mg/L	0.001413	-0.00202	mg/L	0.001413	69.88%
QC value within limits for Pb		Recovery = Not calculated						
Sbf	30.5	0.0139	mg/L	0.00204	0.0139	mg/L	0.00204	14.64%
QC value within limits for Sb		Recovery = Not calculated						
Sef	-319.3	-0.0243	mg/L	0.00526	-0.0243	mg/L	0.00526	21.63%
QC value within limits for Se		Recovery = Not calculated						
Tlf	75.0	0.0250	mg/L	0.00044	0.0250	mg/L	0.00044	1.75%
QC value within limits for Tl		Recovery = Not calculated						
Vf	-551.6	-0.00310	mg/L	0.000150	-0.00310	mg/L	0.000150	4.85%
QC value within limits for V		Recovery = Not calculated						
Znf	822.4	0.0154	mg/L	0.00030	0.0154	mg/L	0.00030	1.93%
QC value within limits for Zn		Recovery = Not calculated						
Alxf	421.0	4.34	ug/L	0.282	0.00434	mg/L	0.000282	6.49%
QC value within limits for Alx		Recovery = Not calculated						
Bexf	-1206.1	-0.379	ug/L	0.0142	-0.00038	mg/L	0.000014	3.76%
QC value within limits for Bex		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 9/25/2007 16:38:21
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	232.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	432976.9	92.5	%	0.11				0.12%
Yr	709592.0	93.8	%	0.73				0.78%
Agt	-10237.9	-0.0360	mg/L	0.00053	-0.0360	mg/L	0.00053	1.48%
QC value within limits for Ag	Recovery = Not calculated							
Alt	948727.3	241	mg/L	1.2	241	mg/L	1.2	0.50%
QC value within limits for Al	Recovery = 96.47%							
Ast	-462.1	-0.136	mg/L	0.0072	-0.136	mg/L	0.0072	5.26%
QC value within limits for As	Recovery = Not calculated							
B_t	95.3	0.00291	mg/L	0.000323	0.00291	mg/L	0.000323	11.11%
QC value within limits for B_	Recovery = Not calculated							
Bat	165.7	0.00210	mg/L	0.000071	0.00210	mg/L	0.000071	3.36%
QC value within limits for Ba	Recovery = Not calculated							
Bet	-963.0	-0.00030	mg/L	0.000001	-0.00030	mg/L	0.000001	0.20%
QC value within limits for Be	Recovery = Not calculated							
Cat	1779426.8	247	mg/L	0.5	247	mg/L	0.5	0.21%
QC value within limits for Ca	Recovery = 98.61%							
Cdt	-54.2	0.00154	mg/L	0.000060	0.00154	mg/L	0.000060	3.88%
QC value within limits for Cd	Recovery = Not calculated							
Cot	43.2	0.00148	mg/L	0.000051	0.00148	mg/L	0.000051	3.45%
QC value within limits for Co	Recovery = Not calculated							
Crt	-76.5	-0.00092	mg/L	0.000135	-0.00092	mg/L	0.000135	14.67%
QC value within limits for Cr	Recovery = Not calculated							
Cut	-5206.0	-0.0133	mg/L	0.00009	-0.0133	mg/L	0.00009	0.68%
QC value within limits for Cu	Recovery = Not calculated							
Fet	103285.0	96.4	mg/L	0.02	96.4	mg/L	0.02	0.02%
QC value within limits for Fe	Recovery = 96.42%							
Kt	333.6	0.262	mg/L	0.0043	0.262	mg/L	0.0043	1.62%
QC value within limits for K	Recovery = Not calculated							
Mgt	687011.9	229	mg/L	0.4	229	mg/L	0.4	0.18%
QC value within limits for Mg	Recovery = 91.45%							
Mnt	2357.7	0.00399	mg/L	0.000008	0.00399	mg/L	0.000008	0.21%
QC value within limits for Mn	Recovery = Not calculated							
Mot	20.9	0.00149	mg/L	0.000540	0.00149	mg/L	0.000540	36.27%
QC value within limits for Mo	Recovery = Not calculated							
Nat	345.2	0.104	mg/L	0.0186	0.104	mg/L	0.0186	18.00%
QC value within limits for Na	Recovery = Not calculated							
Nit	-13.9	-0.00056	mg/L	0.000050	-0.00056	mg/L	0.000050	8.99%
QC value within limits for Ni	Recovery = Not calculated							
Pbt	-206.2	-0.0375	mg/L	0.00131	-0.0375	mg/L	0.00131	3.48%
QC value within limits for Pb	Recovery = Not calculated							
Sbt	22.9	0.0105	mg/L	0.00078	0.0105	mg/L	0.00078	7.45%
QC value within limits for Sb	Recovery = Not calculated							
Set	-349.6	-0.0463	mg/L	0.00610	-0.0463	mg/L	0.00610	13.17%
QC value within limits for Se	Recovery = Not calculated							
Tlt	68.6	0.0228	mg/L	0.00133	0.0228	mg/L	0.00133	5.84%
QC value within limits for Tl	Recovery = Not calculated							
Vt	-608.2	-0.00344	mg/L	0.000057	-0.00344	mg/L	0.000057	1.66%
QC value within limits for V	Recovery = Not calculated							
Znt	615.5	0.0116	mg/L	0.00008	0.0116	mg/L	0.00008	0.69%
QC value within limits for Zn	Recovery = Not calculated							
Alxt	Saturated2							
Unable to evaluate QC.								
Bext	-963.0	-0.303	ug/L	0.0006	-0.00030	mg/L	0.000001	0.20%
QC value within limits for Bex	Recovery = Not calculated							

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 9/25/2007 16:42:10
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	232.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	424422.7	90.7	%	2.18				2.40%
Yr	711234.6	94.0	%	0.19				0.20%
Ag†	142746.1	0.503	mg/L	0.0151	0.503	mg/L	0.0151	3.01%
QC value within limits for Ag	Recovery = 100.52%							
Al†	949229.0	241	mg/L	0.6	241	mg/L	0.6	0.24%
QC value within limits for Al	Recovery = 96.52%							
As†	-470.7	-0.140	mg/L	0.0138	-0.140	mg/L	0.0138	9.88%
QC value less than the lower limit for As	Recovery = Not calculated							
B_†	-29.1	-0.00139	mg/L	0.002188	-0.00139	mg/L	0.002188	157.91%
QC value within limits for B_	Recovery = Not calculated							
Ba†	20935.9	0.266	mg/L	0.0062	0.266	mg/L	0.0062	2.33%
QC value within limits for Ba	Recovery = 106.31%							
Be†	806052.1	0.253	mg/L	0.0080	0.253	mg/L	0.0080	3.17%
QC value within limits for Be	Recovery = 101.34%							
Ca†	1773538.7	246	mg/L	0.4	246	mg/L	0.4	0.17%
QC value within limits for Ca	Recovery = 98.29%							
Cd†	14925.4	0.514	mg/L	0.0120	0.514	mg/L	0.0120	2.33%
QC value within limits for Cd	Recovery = 102.73%							
Co†	7169.6	0.246	mg/L	0.0054	0.246	mg/L	0.0054	2.20%
QC value within limits for Co	Recovery = 98.23%							
Cr†	21044.8	0.253	mg/L	0.0061	0.253	mg/L	0.0061	2.40%
QC value within limits for Cr	Recovery = 101.35%							
Cu†	98089.9	0.251	mg/L	0.0072	0.251	mg/L	0.0072	2.89%
QC value within limits for Cu	Recovery = 100.21%							
Fe†	104401.7	97.5	mg/L	1.17	97.5	mg/L	1.17	1.20%
QC value within limits for Fe	Recovery = 97.47%							
K†	215.9	0.170	mg/L	0.0088	0.170	mg/L	0.0088	5.16%
QC value within limits for K	Recovery = Not calculated							
Mg†	685296.8	228	mg/L	0.1	228	mg/L	0.1	0.03%
QC value within limits for Mg	Recovery = 91.22%							
Mn†	157606.5	0.267	mg/L	0.0085	0.267	mg/L	0.0085	3.20%
QC value within limits for Mn	Recovery = 106.77%							
Mo†	15.9	0.00113	mg/L	0.000651	0.00113	mg/L	0.000651	57.66%
QC value within limits for Mo	Recovery = Not calculated							
Na†	286.3	0.0859	mg/L	0.00182	0.0859	mg/L	0.00182	2.12%
QC value within limits for Na	Recovery = Not calculated							
Ni†	11941.3	0.479	mg/L	0.0113	0.479	mg/L	0.0113	2.35%
QC value within limits for Ni	Recovery = 95.80%							
Pb†	2603.6	0.474	mg/L	0.0107	0.474	mg/L	0.0107	2.26%
QC value within limits for Pb	Recovery = 94.76%							
Sb†	30.1	0.00978	mg/L	0.000343	0.00978	mg/L	0.000343	3.51%
QC value within limits for Sb	Recovery = Not calculated							
Se†	-350.1	-0.0446	mg/L	0.00169	-0.0446	mg/L	0.00169	3.78%
QC value within limits for Se	Recovery = Not calculated							
Tl†	52.3	0.0181	mg/L	0.00107	0.0181	mg/L	0.00107	5.93%
QC value within limits for Tl	Recovery = Not calculated							
V†	44332.3	0.252	mg/L	0.0074	0.252	mg/L	0.0074	2.93%
QC value within limits for V	Recovery = 100.69%							
Zn†	28906.9	0.540	mg/L	0.0133	0.540	mg/L	0.0133	2.47%
QC value within limits for Zn	Recovery = 107.94%							
Alx†	Saturated2							
Unable to evaluate QC.								
Bex†	806052.1	253	ug/L	8.0	0.253	mg/L	0.0080	3.17%
QC value within limits for Bex	Recovery = 101.34%							

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: Wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/25/2007 16:45:59
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Wash

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: Wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	478521.8	102	%	0.5				0.49%
Yr	769783.4	102	%	0.3				0.31%
Ag†	1.6	0.00001	mg/L	0.000168	0.00001	mg/L	0.000168	>999.9%
QC value within limits for Ag	Recovery = Not calculated							
Al†	0.6	0.00016	mg/L	0.013023	0.00016	mg/L	0.013023	>999.9%
QC value within limits for Al	Recovery = Not calculated							
As†	5.1	0.00215	mg/L	0.000315	0.00215	mg/L	0.000315	14.67%
QC value within limits for As	Recovery = Not calculated							
B_†	153.7	0.00470	mg/L	0.000191	0.00470	mg/L	0.000191	4.06%
QC value within limits for B_	Recovery = Not calculated							
Ba†	4.7	0.00006	mg/L	0.000054	0.00006	mg/L	0.000054	91.01%
QC value within limits for Ba	Recovery = Not calculated							
Be†	-63.4	-0.00002	mg/L	0.000023	-0.00002	mg/L	0.000023	116.83%
QC value within limits for Be	Recovery = Not calculated							
Ca†	22.6	0.00313	mg/L	0.001342	0.00313	mg/L	0.001342	42.88%
QC value within limits for Ca	Recovery = Not calculated							
Cd†	-2.7	-0.00013	mg/L	0.000094	-0.00013	mg/L	0.000094	71.58%
QC value within limits for Cd	Recovery = Not calculated							
Co†	-1.0	-0.00004	mg/L	0.000029	-0.00004	mg/L	0.000029	80.09%
QC value within limits for Co	Recovery = Not calculated							
Cr†	9.8	0.00012	mg/L	0.000004	0.00012	mg/L	0.000004	3.36%
QC value within limits for Cr	Recovery = Not calculated							
Cu†	13.2	0.00003	mg/L	0.000109	0.00003	mg/L	0.000109	325.80%
QC value within limits for Cu	Recovery = Not calculated							
Fe†	5.8	0.00543	mg/L	0.001179	0.00543	mg/L	0.001179	21.73%
QC value within limits for Fe	Recovery = Not calculated							
K†	-41.3	-0.0325	mg/L	0.00465	-0.0325	mg/L	0.00465	14.29%
QC value within limits for K	Recovery = Not calculated							
Mg†	10.8	0.00359	mg/L	0.000257	0.00359	mg/L	0.000257	7.16%
QC value within limits for Mg	Recovery = Not calculated							
Mn†	-16.4	-0.00003	mg/L	0.000010	-0.00003	mg/L	0.000010	36.39%
QC value within limits for Mn	Recovery = Not calculated							
Mo†	0.5	0.00004	mg/L	0.000251	0.00004	mg/L	0.000251	686.56%
QC value within limits for Mo	Recovery = Not calculated							
Na†	-72.0	-0.0216	mg/L	0.01234	-0.0216	mg/L	0.01234	57.15%
QC value within limits for Na	Recovery = Not calculated							
Ni†	2.6	0.00011	mg/L	0.000155	0.00011	mg/L	0.000155	145.89%
QC value within limits for Ni	Recovery = Not calculated							
Pb†	11.9	0.00217	mg/L	0.000262	0.00217	mg/L	0.000262	12.05%
QC value within limits for Pb	Recovery = Not calculated							
Sb†	-7.1	-0.00324	mg/L	0.001181	-0.00324	mg/L	0.001181	36.44%
QC value within limits for Sb	Recovery = Not calculated							
Se†	5.8	0.00391	mg/L	0.003368	0.00391	mg/L	0.003368	86.18%
QC value within limits for Se	Recovery = Not calculated							
Tl†	3.0	0.00100	mg/L	0.000830	0.00100	mg/L	0.000830	82.81%
QC value within limits for Tl	Recovery = Not calculated							
V†	-50.6	-0.00029	mg/L	0.000010	-0.00029	mg/L	0.000010	3.37%
QC value within limits for V	Recovery = Not calculated							
Zn†	-176.6	-0.00332	mg/L	0.000042	-0.00332	mg/L	0.000042	1.26%
QC value within limits for Zn	Recovery = Not calculated							
Alx†	-12.4	-0.128	ug/L	0.3002	-0.00013	mg/L	0.000300	235.27%
QC value within limits for Alx	Recovery = Not calculated							
Bex†	-63.4	-0.0199	ug/L	0.02327	-0.00002	mg/L	0.000023	116.83%
QC value within limits for Bex	Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: QC-25 1ppm
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 9/25/2007 16:49:25
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: QC-25 1ppm

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: QC-25 1ppm

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	487365.2	104	%	0.5				0.46%
Yr	763659.9	101	%	1.1				1.14%
Ag†	276358.0	0.973	mg/L	0.0064	0.973	mg/L	0.0064	0.66%
QC value within limits for Ag	Recovery = 97.31%							
Al†	3941.5	1.00	mg/L	0.004	1.00	mg/L	0.004	0.37%
QC value within limits for Al	Recovery = 100.20%							
As†	2327.3	0.980	mg/L	0.0048	0.980	mg/L	0.0048	0.49%
QC value within limits for As	Recovery = 97.98%							
B_†	29703.0	0.906	mg/L	0.0048	0.906	mg/L	0.0048	0.53%
QC value within limits for B_	Recovery = 90.64%							
Ba†	82518.8	1.05	mg/L	0.007	1.05	mg/L	0.007	0.66%
QC value within limits for Ba	Recovery = 104.75%							
Be†	3075005.0	0.967	mg/L	0.0018	0.967	mg/L	0.0018	0.19%
QC value within limits for Be	Recovery = 96.65%							
Ca†	7405.7	1.03	mg/L	0.014	1.03	mg/L	0.014	1.40%
QC value within limits for Ca	Recovery = 102.60%							
Cd†	28962.0	0.975	mg/L	0.0069	0.975	mg/L	0.0069	0.71%
QC value within limits for Cd	Recovery = 97.51%							
Co†	30441.3	1.04	mg/L	0.005	1.04	mg/L	0.005	0.47%
QC value within limits for Co	Recovery = 104.27%							
Cr†	83750.8	1.01	mg/L	0.005	1.01	mg/L	0.005	0.48%
QC value within limits for Cr	Recovery = 100.84%							
Cu†	387608.5	0.990	mg/L	0.0026	0.990	mg/L	0.0026	0.26%
QC value within limits for Cu	Recovery = 99.01%							
Fe†	1088.5	1.02	mg/L	0.009	1.02	mg/L	0.009	0.91%
QC value within limits for Fe	Recovery = 101.62%							
K†	12216.2	9.61	mg/L	0.029	9.61	mg/L	0.029	0.30%
QC value within limits for K	Recovery = 96.06%							
Mg†	3213.1	1.07	mg/L	0.011	1.07	mg/L	0.011	1.00%
QC value within limits for Mg	Recovery = 106.93%							
Mn†	623390.4	1.06	mg/L	0.004	1.06	mg/L	0.004	0.34%
QC value within limits for Mn	Recovery = 105.58%							
Mo†	13781.8	0.982	mg/L	0.0080	0.982	mg/L	0.0080	0.82%
QC value within limits for Mo	Recovery = 98.21%							
Na†	3380.5	1.01	mg/L	0.013	1.01	mg/L	0.013	1.32%
QC value within limits for Na	Recovery = 101.45%							
Ni†	26141.2	1.05	mg/L	0.006	1.05	mg/L	0.006	0.54%
QC value within limits for Ni	Recovery = 104.86%							
Pb†	5890.7	1.07	mg/L	0.008	1.07	mg/L	0.008	0.76%
QC value within limits for Pb	Recovery = 107.20%							
Sb†	2112.6	0.953	mg/L	0.0027	0.953	mg/L	0.0027	0.28%
QC value within limits for Sb	Recovery = 95.31%							
Se†	1439.9	0.966	mg/L	0.0094	0.966	mg/L	0.0094	0.97%
QC value within limits for Se	Recovery = 96.58%							
Tl†	3216.4	1.07	mg/L	0.006	1.07	mg/L	0.006	0.51%
QC value within limits for Tl	Recovery = 107.36%							
V†	173741.0	0.987	mg/L	0.0050	0.987	mg/L	0.0050	0.51%
QC value within limits for V	Recovery = 98.66%							
Zn†	54177.2	1.01	mg/L	0.005	1.01	mg/L	0.005	0.48%
QC value within limits for Zn	Recovery = 101.05%							
Alx†	94577.5	975	ug/L	8.0	0.975	mg/L	0.0080	0.83%
QC value within limits for Alx	Recovery = 97.47%							
Bex†	3075005.0	967	ug/L	1.8	0.967	mg/L	0.0018	0.19%
QC value within limits for Bex	Recovery = 96.65%							

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/25/2007 16:53:53
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	456510.8	97.5	%	1.24				1.27%
Yr	734667.3	97.1	%	1.69				1.74%
Ag†	280077.3	0.986	mg/L	0.0030	0.986	mg/L	0.0030	0.30%
QC value within limits for Ag		Recovery = 98.62%						
Al†	19609.2	4.98	mg/L	0.081	4.98	mg/L	0.081	1.63%
QC value within limits for Al		Recovery = 99.70%						
As†	11297.2	4.76	mg/L	0.134	4.76	mg/L	0.134	2.82%
QC value within limits for As		Recovery = 95.13%						
B_†	80594.3	2.45	mg/L	0.004	2.45	mg/L	0.004	0.17%
QC value within limits for B_		Recovery = 98.20%						
Ba†	398941.7	5.06	mg/L	0.043	5.06	mg/L	0.043	0.84%
QC value within limits for Ba		Recovery = 101.29%						
Be†	6478851.1	2.04	mg/L	0.018	2.04	mg/L	0.018	0.88%
QC value within limits for Be		Recovery = 101.82%						
Ca†	365260.4	50.6	mg/L	0.83	50.6	mg/L	0.83	1.63%
QC value within limits for Ca		Recovery = 101.21%						
Cd†	74381.0	2.47	mg/L	0.014	2.47	mg/L	0.014	0.57%
QC value within limits for Cd		Recovery = 98.98%						
Co†	147607.2	5.06	mg/L	0.037	5.06	mg/L	0.037	0.73%
QC value within limits for Co		Recovery = 101.12%						
Cr†	415172.8	5.00	mg/L	0.037	5.00	mg/L	0.037	0.74%
QC value within limits for Cr		Recovery = 99.97%						
Cu†	1973108.6	5.04	mg/L	0.005	5.04	mg/L	0.005	0.09%
QC value within limits for Cu		Recovery = 100.79%						
Fe†	5465.9	5.10	mg/L	0.048	5.10	mg/L	0.048	0.95%
QC value within limits for Fe		Recovery = 102.06%						
K†	62469.0	49.1	mg/L	0.91	49.1	mg/L	0.91	1.85%
QC value within limits for K		Recovery = 98.25%						
Mg†	154789.3	51.5	mg/L	0.87	51.5	mg/L	0.87	1.70%
QC value within limits for Mg		Recovery = 103.02%						
Mn†	3022585.4	5.12	mg/L	0.033	5.12	mg/L	0.033	0.65%
QC value within limits for Mn		Recovery = 102.39%						
Mo†	69683.4	4.97	mg/L	0.109	4.97	mg/L	0.109	2.19%
QC value within limits for Mo		Recovery = 99.31%						
Na†	167485.6	50.3	mg/L	0.81	50.3	mg/L	0.81	1.62%
QC value within limits for Na		Recovery = 100.53%						
Ni†	126757.0	5.08	mg/L	0.038	5.08	mg/L	0.038	0.75%
QC value within limits for Ni		Recovery = 101.69%						
Pb†	28005.5	5.10	mg/L	0.120	5.10	mg/L	0.120	2.35%
QC value within limits for Pb		Recovery = 101.93%						
Sb†	10635.2	4.80	mg/L	0.142	4.80	mg/L	0.142	2.95%
QC value within limits for Sb		Recovery = 96.00%						
Se†	7616.5	5.11	mg/L	0.156	5.11	mg/L	0.156	3.05%
QC value within limits for Se		Recovery = 102.16%						
Tl†	15615.0	5.21	mg/L	0.137	5.21	mg/L	0.137	2.62%
QC value within limits for Tl		Recovery = 104.26%						
V†	880895.1	5.00	mg/L	0.035	5.00	mg/L	0.035	0.69%
QC value within limits for V		Recovery = 100.03%						
Zn†	273719.4	5.11	mg/L	0.028	5.11	mg/L	0.028	0.55%
QC value within limits for Zn		Recovery = 102.14%						
Alx†	487091.8	5020	ug/L	16.1	5.02	mg/L	0.016	0.32%
QC value within limits for Alx		Recovery = 100.40%						
Bex†	6478851.1	2040	ug/L	18.0	2.04	mg/L	0.018	0.88%
QC value within limits for Bex		Recovery = 101.82%						

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/25/2007 16:57:12
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	483246.5	103	%	0.7				0.70%
Yr	783771.0	104	%	1.4				1.36%
Ag†	56.0	0.00020	mg/L	0.000045	0.00020	mg/L	0.000045	22.82%
QC value within limits for Ag		Recovery = Not calculated						
Al†	20.6	0.00524	mg/L	0.003447	0.00524	mg/L	0.003447	65.75%
QC value within limits for Al		Recovery = Not calculated						
As†	21.6	0.00908	mg/L	0.002499	0.00908	mg/L	0.002499	27.53%
QC value within limits for As		Recovery = Not calculated						
B_†	372.2	0.0114	mg/L	0.00075	0.0114	mg/L	0.00075	6.60%
QC value within limits for B_		Recovery = Not calculated						
Ba†	7.6	0.00010	mg/L	0.000056	0.00010	mg/L	0.000056	57.29%
QC value within limits for Ba		Recovery = Not calculated						
Be†	-62.8	-0.00002	mg/L	0.000004	-0.00002	mg/L	0.000004	22.00%
QC value within limits for Be		Recovery = Not calculated						
Ca†	19.5	0.00270	mg/L	0.004039	0.00270	mg/L	0.004039	149.64%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	7.2	0.00009	mg/L	0.000077	0.00009	mg/L	0.000077	88.79%
QC value within limits for Cd		Recovery = Not calculated						
Co†	3.3	0.00011	mg/L	0.000005	0.00011	mg/L	0.000005	4.38%
QC value within limits for Co		Recovery = Not calculated						
Cr†	6.9	0.00008	mg/L	0.000087	0.00008	mg/L	0.000087	104.84%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	58.2	0.00015	mg/L	0.000085	0.00015	mg/L	0.000085	57.39%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	3.9	0.00363	mg/L	0.001051	0.00363	mg/L	0.001051	28.96%
QC value within limits for Fe		Recovery = Not calculated						
K†	5.6	0.00442	mg/L	0.051937	0.00442	mg/L	0.051937	>999.9%
QC value within limits for K		Recovery = Not calculated						
Mg†	12.8	0.00425	mg/L	0.000676	0.00425	mg/L	0.000676	15.91%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	13.0	0.00002	mg/L	0.000017	0.00002	mg/L	0.000017	77.85%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	28.9	0.00206	mg/L	0.000466	0.00206	mg/L	0.000466	22.61%
QC value within limits for Mo		Recovery = Not calculated						
Na†	15.5	0.00464	mg/L	0.002471	0.00464	mg/L	0.002471	53.25%
QC value within limits for Na		Recovery = Not calculated						
Ni†	6.3	0.00025	mg/L	0.000315	0.00025	mg/L	0.000315	125.54%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	4.9	0.00089	mg/L	0.000354	0.00089	mg/L	0.000354	39.88%
QC value within limits for Pb		Recovery = Not calculated						
Sb†	1.1	0.00051	mg/L	0.003232	0.00051	mg/L	0.003232	636.83%
QC value within limits for Sb		Recovery = Not calculated						
Se†	7.6	0.00509	mg/L	0.003250	0.00509	mg/L	0.003250	63.89%
QC value within limits for Se		Recovery = Not calculated						
Tl†	9.3	0.00310	mg/L	0.000476	0.00310	mg/L	0.000476	15.36%
QC value within limits for Tl		Recovery = Not calculated						
V†	-40.7	-0.00023	mg/L	0.000325	-0.00023	mg/L	0.000325	141.82%
QC value within limits for V		Recovery = Not calculated						
Zn†	-203.7	-0.00383	mg/L	0.000211	-0.00383	mg/L	0.000211	5.51%
QC value within limits for Zn		Recovery = Not calculated						
Alx†	-110.9	-1.14	ug/L	0.427	-0.00114	mg/L	0.000427	37.37%
QC value within limits for Alx		Recovery = Not calculated						
Bex†	-62.8	-0.0197	ug/L	0.00434	-0.00002	mg/L	0.000004	22.00%
QC value within limits for Bex		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: MRL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 9/25/2007 17:00:42
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL

Analyte	Back Pressure	Flow
All	232.0 kPa	0.65 L/min

Mean Data: MRL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	483988.3	103	%	1.0				1.01%
Yr	773793.6	102	%	0.1				0.14%
Ag†	2945.5	0.0104	mg/L	0.00015	0.0104	mg/L	0.00015	1.47%
QC value within limits for Ag		Recovery = 103.71%						
Al†	203.6	0.0518	mg/L	0.00865	0.0518	mg/L	0.00865	16.72%
QC value within limits for Al		Recovery = 103.50%						
As†	245.4	0.103	mg/L	0.0009	0.103	mg/L	0.0009	0.83%
QC value within limits for As		Recovery = 103.33%						
B_†	1795.8	0.0548	mg/L	0.00053	0.0548	mg/L	0.00053	0.96%
QC value within limits for B_		Recovery = 109.65%						
Ba†	1645.1	0.0209	mg/L	0.00005	0.0209	mg/L	0.00005	0.24%
QC value within limits for Ba		Recovery = 104.42%						
Be†	3238.1	0.00102	mg/L	0.000005	0.00102	mg/L	0.000005	0.48%
QC value within limits for Be		Recovery = 101.78%						
Ca†	7284.5	1.01	mg/L	0.008	1.01	mg/L	0.008	0.75%
QC value within limits for Ca		Recovery = 100.92%						
Cd†	187.9	0.00481	mg/L	0.000225	0.00481	mg/L	0.000225	4.67%
QC value within limits for Cd		Recovery = 96.25%						
Co†	1492.9	0.0511	mg/L	0.00022	0.0511	mg/L	0.00022	0.43%
QC value within limits for Co		Recovery = 102.28%						
Cr†	857.6	0.0103	mg/L	0.00003	0.0103	mg/L	0.00003	0.28%
QC value within limits for Cr		Recovery = 103.25%						
Cu†	3834.1	0.00983	mg/L	0.000034	0.00983	mg/L	0.000034	0.35%
QC value within limits for Cu		Recovery = 98.32%						
Fe†	24.0	0.0224	mg/L	0.00072	0.0224	mg/L	0.00072	3.20%
QC value within limits for Fe		Recovery = 112.03%						
K†	1233.6	0.970	mg/L	0.0303	0.970	mg/L	0.0303	3.13%
QC value within limits for K		Recovery = 97.00%						
Mg†	319.9	0.106	mg/L	0.0016	0.106	mg/L	0.0016	1.46%
QC value within limits for Mg		Recovery = 106.47%						
Mn†	1294.3	0.00219	mg/L	0.000015	0.00219	mg/L	0.000015	0.70%
QC value within limits for Mn		Recovery = 109.61%						
Mo†	286.8	0.0204	mg/L	0.00020	0.0204	mg/L	0.00020	0.98%
QC value within limits for Mo		Recovery = 102.20%						
Na†	3297.8	0.990	mg/L	0.0097	0.990	mg/L	0.0097	0.98%
QC value within limits for Na		Recovery = 98.97%						
Ni†	521.3	0.0209	mg/L	0.00042	0.0209	mg/L	0.00042	2.01%
QC value within limits for Ni		Recovery = 104.55%						
Pb†	122.7	0.0223	mg/L	0.00007	0.0223	mg/L	0.00007	0.30%
QC value within limits for Pb		Recovery = 111.62%						
Sb†	90.4	0.0413	mg/L	0.00118	0.0413	mg/L	0.00118	2.86%
QC value within limits for Sb		Recovery = 82.54%						
Se†	148.2	0.0992	mg/L	0.00683	0.0992	mg/L	0.00683	6.88%
QC value within limits for Se		Recovery = 99.21%						
Tl†	335.9	0.112	mg/L	0.0019	0.112	mg/L	0.0019	1.72%
QC value within limits for Tl		Recovery = 111.84%						
V†	333.8	0.00194	mg/L	0.000427	0.00194	mg/L	0.000427	22.00%
QC value within limits for V		Recovery = 97.10%						
Zn†	735.8	0.0137	mg/L	0.00009	0.0137	mg/L	0.00009	0.65%
QC value within limits for Zn		Recovery = 68.40%						
Alx†	4591.0	47.3	ug/L	0.57	0.0473	mg/L	0.00057	1.21%
QC value within limits for Alx		Recovery = 94.63%						
Bex†	3238.1	1.02	ug/L	0.005	0.00102	mg/L	0.000005	0.48%
QC value within limits for Bex		Recovery = 101.78%						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: FILTER CHECK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 9/25/2007 17:04:26
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: FILTER CHECK

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: FILTER CHECK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	481538.7	103	%	2.0				1.97%
Yr	772505.2	102	%	1.0				1.03%
Agt	69.3	0.00024	mg/L	0.000441	0.00024	mg/L	0.000441	180.78%
Alt	13.9	0.00352	mg/L	0.004769	0.00352	mg/L	0.004769	135.43%
Ast	6.6	0.00278	mg/L	0.000894	0.00278	mg/L	0.000894	32.17%
B_t	131.9	0.00404	mg/L	0.000238	0.00404	mg/L	0.000238	5.89%
Bat	372.8	0.00473	mg/L	0.000012	0.00473	mg/L	0.000012	0.26%
Bet	-51.4	-0.00002	mg/L	0.000004	-0.00002	mg/L	0.000004	24.83%
Cat	31.4	0.00436	mg/L	0.007269	0.00436	mg/L	0.007269	166.88%
Cdt	-2.6	-0.00014	mg/L	0.000017	-0.00014	mg/L	0.000017	12.26%
Cot	1.3	0.00004	mg/L	0.000004	0.00004	mg/L	0.000004	8.82%
Crt	-3.5	-0.00004	mg/L	0.000072	-0.00004	mg/L	0.000072	171.72%
Cut	-55.3	-0.00014	mg/L	0.000048	-0.00014	mg/L	0.000048	34.21%
Fet	1.9	0.00174	mg/L	0.000853	0.00174	mg/L	0.000853	49.03%
Kt	-2.6	-0.00207	mg/L	0.001300	-0.00207	mg/L	0.001300	62.91%
Mgt	14.3	0.00477	mg/L	0.000594	0.00477	mg/L	0.000594	12.43%
Mnt	132.2	0.00022	mg/L	0.000006	0.00022	mg/L	0.000006	2.83%
Mot	8.3	0.00059	mg/L	0.000137	0.00059	mg/L	0.000137	23.32%
Nat	5.3	0.00159	mg/L	0.000801	0.00159	mg/L	0.000801	50.35%
Nit	8.2	0.00033	mg/L	0.000156	0.00033	mg/L	0.000156	47.10%
Pbt	-0.3	-0.00005	mg/L	0.000008	-0.00005	mg/L	0.000008	16.38%
Sbt	-5.5	-0.00255	mg/L	0.002867	-0.00255	mg/L	0.002867	112.62%
Set	1.2	0.00080	mg/L	0.000248	0.00080	mg/L	0.000248	31.04%
Tlt	-0.2	-0.00006	mg/L	0.000667	-0.00006	mg/L	0.000667	>999.9%
Vt	-51.6	-0.00029	mg/L	0.000225	-0.00029	mg/L	0.000225	77.29%
Znt	393.7	0.00739	mg/L	0.000319	0.00739	mg/L	0.000319	4.32%
Alxt	-191.1	-1.97	ug/L	0.484	-0.00197	mg/L	0.000484	24.56%
Bext	-51.4	-0.0162	ug/L	0.00401	-0.00002	mg/L	0.000004	24.83%

Sequence No.: 13
Sample ID: MRL/2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 9/25/2007 17:08:11
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/2

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: MRL/2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	474743.4	101	%	1.8				1.82%
Yr	779856.7	103	%	1.3				1.29%
Agt	1538.9	0.00542	mg/L	0.000185	0.00542	mg/L	0.000185	3.42%
Alt	102.9	0.0262	mg/L	0.00083	0.0262	mg/L	0.00083	3.16%
Ast	120.7	0.0508	mg/L	0.00164	0.0508	mg/L	0.00164	3.22%
B_t	900.3	0.0275	mg/L	0.00101	0.0275	mg/L	0.00101	3.69%
Bat	843.2	0.0107	mg/L	0.00025	0.0107	mg/L	0.00025	2.34%
Bet	1567.7	0.00049	mg/L	0.000025	0.00049	mg/L	0.000025	5.13%
Cat	3652.2	0.506	mg/L	0.0161	0.506	mg/L	0.0161	3.18%
Cdt	98.6	0.00258	mg/L	0.000183	0.00258	mg/L	0.000183	7.10%
Cot	770.9	0.0264	mg/L	0.00032	0.0264	mg/L	0.00032	1.19%
Crt	449.3	0.00541	mg/L	0.000341	0.00541	mg/L	0.000341	6.31%
Cut	1994.6	0.00511	mg/L	0.000397	0.00511	mg/L	0.000397	7.75%
Fet	13.2	0.0123	mg/L	0.00111	0.0123	mg/L	0.00111	8.98%
Kt	575.9	0.453	mg/L	0.0355	0.453	mg/L	0.0355	7.84%
Mgt	165.0	0.0549	mg/L	0.00063	0.0549	mg/L	0.00063	1.15%
Mnt	654.4	0.00111	mg/L	0.000022	0.00111	mg/L	0.000022	2.01%
Mot	146.5	0.0104	mg/L	0.00019	0.0104	mg/L	0.00019	1.86%
Nat	1699.5	0.510	mg/L	0.0212	0.510	mg/L	0.0212	4.16%
Nit	271.4	0.0109	mg/L	0.00017	0.0109	mg/L	0.00017	1.60%
Pbt	64.2	0.0117	mg/L	0.00005	0.0117	mg/L	0.00005	0.41%
Sbt	47.6	0.0217	mg/L	0.00080	0.0217	mg/L	0.00080	3.68%
Set	80.3	0.0538	mg/L	0.00732	0.0538	mg/L	0.00732	13.62%
Tlt	169.4	0.0564	mg/L	0.00170	0.0564	mg/L	0.00170	3.02%
Vt	171.9	0.00100	mg/L	0.000122	0.00100	mg/L	0.000122	12.15%
Znt	200.0	0.00368	mg/L	0.000127	0.00368	mg/L	0.000127	3.44%
Alxt	2210.0	22.8	ug/L	0.07	0.0228	mg/L	0.00007	0.31%
Bext	1567.7	0.493	ug/L	0.0253	0.00049	mg/L	0.000025	5.13%

Sequence No.: 14
Sample ID: MRL 200.7
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 9/25/2007 17:11:56
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL 200.7

Analyte	Back Pressure	Flow
All	233.0 kPa	0.65 L/min

Mean Data: MRL 200.7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	487191.3	104	%	1.0				0.97%
Yr	786801.5	104	%	0.4				0.41%
Agt	2857.9	0.0101	mg/L	0.00030	0.0101	mg/L	0.00030	2.96%
Alt	180.5	0.0459	mg/L	0.00192	0.0459	mg/L	0.00192	4.18%
Ast	232.7	0.0980	mg/L	0.00093	0.0980	mg/L	0.00093	0.94%
B_t	1593.7	0.0486	mg/L	0.00032	0.0486	mg/L	0.00032	0.66%
Bat	1608.5	0.0204	mg/L	0.00005	0.0204	mg/L	0.00005	0.24%
Bet	3254.4	0.00102	mg/L	0.000032	0.00102	mg/L	0.000032	3.09%
Cat	7230.8	1.00	mg/L	0.012	1.00	mg/L	0.012	1.22%
Cdt	181.1	0.00467	mg/L	0.000071	0.00467	mg/L	0.000071	1.51%
Cot	1485.8	0.0509	mg/L	0.00046	0.0509	mg/L	0.00046	0.91%
Crt	835.2	0.0101	mg/L	0.00028	0.0101	mg/L	0.00028	2.82%
Cut	3904.2	0.0100	mg/L	0.00021	0.0100	mg/L	0.00021	2.10%
Fet	23.5	0.0219	mg/L	0.00041	0.0219	mg/L	0.00041	1.89%
Kt	1179.8	0.928	mg/L	0.0651	0.928	mg/L	0.0651	7.01%
Mgt	317.3	0.106	mg/L	0.0010	0.106	mg/L	0.0010	0.94%
Mnt	1238.8	0.00210	mg/L	0.000027	0.00210	mg/L	0.000027	1.27%
Mot	269.3	0.0192	mg/L	0.00070	0.0192	mg/L	0.00070	3.64%
Nat	3298.7	0.990	mg/L	0.0006	0.990	mg/L	0.0006	0.06%
Nit	508.9	0.0204	mg/L	0.00085	0.0204	mg/L	0.00085	4.18%
Pbt	116.7	0.0212	mg/L	0.00067	0.0212	mg/L	0.00067	3.14%
Sbt	93.3	0.0426	mg/L	0.00000	0.0426	mg/L	0.00000	0.01%
Set	148.2	0.0993	mg/L	0.00024	0.0993	mg/L	0.00024	0.24%
Tlt	322.9	0.107	mg/L	0.0010	0.107	mg/L	0.0010	0.91%
Vt	247.6	0.00145	mg/L	0.000372	0.00145	mg/L	0.000372	25.59%
Znt	890.2	0.0166	mg/L	0.00029	0.0166	mg/L	0.00029	1.78%
Alxt	4543.1	46.8	ug/L	0.50	0.0468	mg/L	0.00050	1.07%
Bext	3254.4	1.02	ug/L	0.032	0.00102	mg/L	0.000032	3.09%

Sequence No.: 130
Sample ID: MBLANK 200.7
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 128
Date Collected: 9/26/2007 00:57:26
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLANK 200.7

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: MBLANK 200.7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	477608.6	102	%	0.2				0.16%
Yr	736841.4	97.4	%	0.04				0.04%
Agt	191.0	0.00067	mg/L	0.000046	0.00067	mg/L	0.000046	6.83%
Alt	0.6	0.00015	mg/L	0.002586	0.00015	mg/L	0.002586	>999.9%
Ast	0.1	0.00004	mg/L	0.000272	0.00004	mg/L	0.000272	626.52%
B_t	520.4	0.0159	mg/L	0.00022	0.0159	mg/L	0.00022	1.39%
Bat	-1.4	-0.00002	mg/L	0.000025	-0.00002	mg/L	0.000025	146.32%
Bet	377.3	0.00012	mg/L	0.000001	0.00012	mg/L	0.000001	0.95%
Cat	137.9	0.0191	mg/L	0.00982	0.0191	mg/L	0.00982	51.41%
Cdt	-4.1	-0.00014	mg/L	0.000012	-0.00014	mg/L	0.000012	8.31%
Cot	4.1	0.00014	mg/L	0.000025	0.00014	mg/L	0.000025	18.17%
Crt	80.9	0.00097	mg/L	0.000055	0.00097	mg/L	0.000055	5.69%
Cut	-167.5	-0.00043	mg/L	0.000093	-0.00043	mg/L	0.000093	21.80%
Fet	2.7	0.00252	mg/L	0.001014	0.00252	mg/L	0.001014	40.32%
Kt	53.9	0.0424	mg/L	0.01030	0.0424	mg/L	0.01030	24.28%
Mgt	7.3	0.00241	mg/L	0.001915	0.00241	mg/L	0.001915	79.33%
Mnt	-32.7	-0.00006	mg/L	0.000001	-0.00006	mg/L	0.000001	1.15%
Mot	1.5	0.00011	mg/L	0.000183	0.00011	mg/L	0.000183	168.60%
Nat	444.9	0.134	mg/L	0.0082	0.134	mg/L	0.0082	6.15%
Nit	4.2	0.00017	mg/L	0.000046	0.00017	mg/L	0.000046	27.33%
Pbt	-11.7	-0.00213	mg/L	0.000017	-0.00213	mg/L	0.000017	0.78%
Sbt	-6.0	-0.00278	mg/L	0.000634	-0.00278	mg/L	0.000634	22.77%
Set	5.2	0.00347	mg/L	0.003435	0.00347	mg/L	0.003435	99.11%
Tlt	-3.7	-0.00123	mg/L	0.001967	-0.00123	mg/L	0.001967	160.00%
Vt	8.0	0.00005	mg/L	0.000028	0.00005	mg/L	0.000028	55.22%
Znt	-176.3	-0.00331	mg/L	0.000024	-0.00331	mg/L	0.000024	0.72%
Alxt	-208.8	-2.15	ug/L	0.484	-0.00215	mg/L	0.000484	22.48%
Bext	377.3	0.119	ug/L	0.0011	0.00012	mg/L	0.000001	0.95%

Sequence No.: 131
Sample ID: LCS
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 129
Date Collected: 9/26/2007 01:01:14
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: LCS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	447639.8	95.6	%	3.78				3.95%
Yr	713830.9	94.3	%	0.71				0.75%
Agt	143126.3	0.504	mg/L	0.0243	0.504	mg/L	0.0243	4.83%
Alt	7497.6	1.91	mg/L	0.028	1.91	mg/L	0.028	1.49%
Ast	2370.3	1.00	mg/L	0.048	1.00	mg/L	0.048	4.77%
B_t	16457.2	0.501	mg/L	0.0248	0.501	mg/L	0.0248	4.96%
Bat	80886.9	1.03	mg/L	0.053	1.03	mg/L	0.053	5.14%
Bet	166617.5	0.0524	mg/L	0.00258	0.0524	mg/L	0.00258	4.93%
Cat	354380.3	49.1	mg/L	0.04	49.1	mg/L	0.04	0.09%
Cdt	6214.8	0.199	mg/L	0.0089	0.199	mg/L	0.0089	4.46%
Cot	30432.2	1.04	mg/L	0.047	1.04	mg/L	0.047	4.48%
Crt	84491.6	1.02	mg/L	0.053	1.02	mg/L	0.053	5.17%
Cut	389324.9	0.994	mg/L	0.0515	0.994	mg/L	0.0515	5.18%
Fet	5258.6	4.91	mg/L	0.070	4.91	mg/L	0.070	1.43%
Kt	24346.4	19.1	mg/L	0.29	19.1	mg/L	0.29	1.52%
Mgt	60176.4	20.0	mg/L	0.29	20.0	mg/L	0.29	1.44%
Mnt	311244.1	0.527	mg/L	0.0282	0.527	mg/L	0.0282	5.35%
Mot	14082.1	1.00	mg/L	0.043	1.00	mg/L	0.043	4.29%
Nat	157197.4	47.2	mg/L	0.02	47.2	mg/L	0.02	0.03%
Nit	12945.4	0.519	mg/L	0.0226	0.519	mg/L	0.0226	4.36%
Pbt	5831.7	1.06	mg/L	0.047	1.06	mg/L	0.047	4.40%
Sbt	1076.3	0.478	mg/L	0.0208	0.478	mg/L	0.0208	4.36%
Set	1522.1	1.03	mg/L	0.044	1.03	mg/L	0.044	4.32%
Tlt	3224.8	1.08	mg/L	0.054	1.08	mg/L	0.054	5.03%
Vt	178442.0	1.01	mg/L	0.052	1.01	mg/L	0.052	5.16%
Znt	56477.0	1.06	mg/L	0.055	1.06	mg/L	0.055	5.20%
Alxt	192273.6	1980	ug/L	123.3	1.98	mg/L	0.123	6.22%
Bext	166617.5	52.4	ug/L	2.58	0.0524	mg/L	0.00258	4.93%

Sequence No.: 132
Sample ID: LCSD
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 130
Date Collected: 9/26/2007 01:04:23
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCSD

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: LCSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	463285.1	99.0	%	0.51				0.52%
Yr	726981.3	96.1	%	0.20				0.21%
Agt	135120.1	0.476	mg/L	0.0013	0.476	mg/L	0.0013	0.28%
Alt	7196.4	1.83	mg/L	0.005	1.83	mg/L	0.005	0.26%
Ast	2227.7	0.940	mg/L	0.0001	0.940	mg/L	0.0001	0.01%
B_t	15429.1	0.470	mg/L	0.0042	0.470	mg/L	0.0042	0.89%
Bat	76346.5	0.969	mg/L	0.0010	0.969	mg/L	0.0010	0.10%
Bet	157963.3	0.0497	mg/L	0.00009	0.0497	mg/L	0.00009	0.18%
Cat	344910.3	47.8	mg/L	0.02	47.8	mg/L	0.02	0.04%
Cdt	5863.5	0.188	mg/L	0.0016	0.188	mg/L	0.0016	0.87%
Cot	28661.7	0.982	mg/L	0.0051	0.982	mg/L	0.0051	0.52%
Crt	79592.0	0.958	mg/L	0.0003	0.958	mg/L	0.0003	0.04%
Cut	367877.4	0.940	mg/L	0.0011	0.940	mg/L	0.0011	0.11%
Fet	5058.3	4.72	mg/L	0.022	4.72	mg/L	0.022	0.47%
Kt	23375.0	18.4	mg/L	0.13	18.4	mg/L	0.13	0.73%
Mgt	57627.0	19.2	mg/L	0.13	19.2	mg/L	0.13	0.69%
Mnt	293629.4	0.497	mg/L	0.0003	0.497	mg/L	0.0003	0.07%
Mot	13277.4	0.946	mg/L	0.0065	0.946	mg/L	0.0065	0.69%
Nat	153609.7	46.1	mg/L	0.32	46.1	mg/L	0.32	0.69%
Nit	12192.7	0.489	mg/L	0.0036	0.489	mg/L	0.0036	0.74%
Pbt	5503.0	1.00	mg/L	0.008	1.00	mg/L	0.008	0.78%
Sbt	1013.9	0.450	mg/L	0.0024	0.450	mg/L	0.0024	0.53%
Set	1432.7	0.968	mg/L	0.0077	0.968	mg/L	0.0077	0.79%
Tlt	3057.7	1.02	mg/L	0.008	1.02	mg/L	0.008	0.78%
Vt	168316.3	0.956	mg/L	0.0018	0.956	mg/L	0.0018	0.19%
Znt	53245.5	0.997	mg/L	0.0003	0.997	mg/L	0.0003	0.03%
Alxt	181992.2	1880	ug/L	8.0	1.88	mg/L	0.008	0.42%
Bext	157963.3	49.7	ug/L	0.09	0.0497	mg/L	0.00009	0.18%

Sequence No.: 133
Sample ID: 2709140336
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 131
Date Collected: 9/26/2007 01:07:32
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709140336

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709140336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	465819.7	99.5	%	0.62				0.63%
Yr	727272.7	96.1	%	1.20				1.24%
Agt	27.7	0.00010	mg/L	0.000282	0.00010	mg/L	0.000282	288.85%
Alt	156.4	0.0397	mg/L	0.01113	0.0397	mg/L	0.01113	27.99%
Ast	5.9	0.00248	mg/L	0.000105	0.00248	mg/L	0.000105	4.22%
B_t	6260.8	0.191	mg/L	0.0010	0.191	mg/L	0.0010	0.52%
Bat	153.2	0.00194	mg/L	0.000077	0.00194	mg/L	0.000077	3.95%
Bet	197.1	0.00006	mg/L	0.000020	0.00006	mg/L	0.000020	31.74%
Cat	15745.5	2.18	mg/L	0.000	2.18	mg/L	0.000	0.00%
Cdt	-0.7	-0.00007	mg/L	0.000236	-0.00007	mg/L	0.000236	351.63%
Cot	1.9	0.00007	mg/L	0.000139	0.00007	mg/L	0.000139	211.91%
Crt	57.8	0.00070	mg/L	0.000051	0.00070	mg/L	0.000051	7.33%
Cut	-57.7	-0.00015	mg/L	0.000048	-0.00015	mg/L	0.000048	32.60%
Fet	19.5	0.0182	mg/L	0.00001	0.0182	mg/L	0.00001	0.04%
Kt	811.2	0.638	mg/L	0.0005	0.638	mg/L	0.0005	0.08%
Mgt	617.8	0.206	mg/L	0.0014	0.206	mg/L	0.0014	0.69%
Mnt	1519.0	0.00257	mg/L	0.000014	0.00257	mg/L	0.000014	0.55%
Mot	82.3	0.00586	mg/L	0.000091	0.00586	mg/L	0.000091	1.55%
Nat	243373.6	73.0	mg/L	0.13	73.0	mg/L	0.13	0.18%
Nit	3.9	0.00015	mg/L	0.000354	0.00015	mg/L	0.000354	229.30%
Pbt	2.9	0.00053	mg/L	0.000973	0.00053	mg/L	0.000973	184.65%
Sbt	-3.8	-0.00175	mg/L	0.000337	-0.00175	mg/L	0.000337	19.30%
Set	-2.5	-0.00164	mg/L	0.005166	-0.00164	mg/L	0.005166	314.51%
Tlt	8.9	0.00298	mg/L	0.000499	0.00298	mg/L	0.000499	16.74%
Vt	457.9	0.00259	mg/L	0.000190	0.00259	mg/L	0.000190	7.35%
Znt	-119.5	-0.00225	mg/L	0.000051	-0.00225	mg/L	0.000051	2.28%
Alxt	3199.3	33.0	ug/L	0.66	0.0330	mg/L	0.00066	2.01%
Bext	197.1	0.0619	ug/L	0.01966	0.00006	mg/L	0.000020	31.74%

Sequence No.: 134
Sample ID: 2709140336MS
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 132
Date Collected: 9/26/2007 01:11:57
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709140336MS

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709140336MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	442560.1	94.5	%	4.57				4.83%
Yr	730740.1	96.6	%	0.21				0.21%
Agt	139372.2	0.491	mg/L	0.0333	0.491	mg/L	0.0333	6.78%
Alt	7203.7	1.83	mg/L	0.014	1.83	mg/L	0.014	0.76%
Ast	2308.1	0.974	mg/L	0.0467	0.974	mg/L	0.0467	4.80%
B_t	22170.7	0.676	mg/L	0.0449	0.676	mg/L	0.0449	6.64%
Bat	78579.8	0.998	mg/L	0.0674	0.998	mg/L	0.0674	6.76%
Bet	163606.8	0.0514	mg/L	0.00353	0.0514	mg/L	0.00353	6.86%
Cat	359595.2	49.8	mg/L	0.03	49.8	mg/L	0.03	0.06%
Cdt	6044.1	0.193	mg/L	0.0098	0.193	mg/L	0.0098	5.07%
Cot	29398.8	1.01	mg/L	0.051	1.01	mg/L	0.051	5.06%
Crt	81864.9	0.986	mg/L	0.0675	0.986	mg/L	0.0675	6.85%
Cut	385664.1	0.985	mg/L	0.0691	0.985	mg/L	0.0691	7.02%
Fet	5033.0	4.70	mg/L	0.049	4.70	mg/L	0.049	1.03%
Kt	24396.9	19.2	mg/L	0.21	19.2	mg/L	0.21	1.12%
Mgt	58708.1	19.5	mg/L	0.22	19.5	mg/L	0.22	1.15%
Mnt	302512.4	0.512	mg/L	0.0350	0.512	mg/L	0.0350	6.84%
Mot	13657.6	0.973	mg/L	0.0456	0.973	mg/L	0.0456	4.69%
Nat	385926.6	116	mg/L	0.1	116	mg/L	0.1	0.06%
Nit	12456.6	0.500	mg/L	0.0239	0.500	mg/L	0.0239	4.79%
Pbt	5608.5	1.02	mg/L	0.049	1.02	mg/L	0.049	4.84%
Sbt	1045.7	0.464	mg/L	0.0215	0.464	mg/L	0.0215	4.63%
Set	1466.0	0.990	mg/L	0.0523	0.990	mg/L	0.0523	5.28%
Tlt	3073.7	1.03	mg/L	0.047	1.03	mg/L	0.047	4.54%
Vt	174196.0	0.989	mg/L	0.0688	0.989	mg/L	0.0688	6.95%
Znt	55298.3	1.04	mg/L	0.071	1.04	mg/L	0.071	6.88%
Alxt	191769.0	1980	ug/L	133.9	1.98	mg/L	0.134	6.77%
Bext	163606.8	51.4	ug/L	3.53	0.0514	mg/L	0.00353	6.86%

Sequence No.: 135
Sample ID: 2709140336MSD
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 133
Date Collected: 9/26/2007 01:15:47
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709140336MSD

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709140336MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	459027.0	98.1	%	0.00				0.00%
Yr	731288.7	96.6	%	0.10				0.10%
Agt	138714.5	0.488	mg/L	0.0000	0.488	mg/L	0.0000	0.00%
Alt	7578.8	1.93	mg/L	0.003	1.93	mg/L	0.003	0.17%
Ast	2310.5	0.975	mg/L	0.0019	0.975	mg/L	0.0019	0.19%
B_t	21873.9	0.667	mg/L	0.0024	0.667	mg/L	0.0024	0.36%
Bat	78004.9	0.990	mg/L	0.0032	0.990	mg/L	0.0032	0.32%
Bet	161928.8	0.0509	mg/L	0.00002	0.0509	mg/L	0.00002	0.04%
Cat	370582.7	51.3	mg/L	0.03	51.3	mg/L	0.03	0.06%
Cdt	6082.1	0.195	mg/L	0.0001	0.195	mg/L	0.0001	0.07%
Cot	29614.6	1.01	mg/L	0.000	1.01	mg/L	0.000	0.04%
Crt	81246.2	0.978	mg/L	0.0011	0.978	mg/L	0.0011	0.11%
Cut	381704.2	0.975	mg/L	0.0040	0.975	mg/L	0.0040	0.41%
Fet	5237.1	4.89	mg/L	0.001	4.89	mg/L	0.001	0.01%
Kt	25349.1	19.9	mg/L	0.16	19.9	mg/L	0.16	0.82%
Mgt	60428.2	20.1	mg/L	0.07	20.1	mg/L	0.07	0.33%
Mnt	300021.2	0.508	mg/L	0.0014	0.508	mg/L	0.0014	0.28%
Mot	13738.8	0.979	mg/L	0.0015	0.979	mg/L	0.0015	0.15%
Nat	392620.0	118	mg/L	0.3	118	mg/L	0.3	0.25%
Nit	12513.0	0.502	mg/L	0.0009	0.502	mg/L	0.0009	0.18%
Pbt	5598.2	1.02	mg/L	0.001	1.02	mg/L	0.001	0.15%
Sbt	1055.0	0.468	mg/L	0.0015	0.468	mg/L	0.0015	0.31%
Set	1475.8	0.997	mg/L	0.0025	0.997	mg/L	0.0025	0.25%
Tlt	3079.7	1.03	mg/L	0.001	1.03	mg/L	0.001	0.14%
Vt	172495.6	0.979	mg/L	0.0001	0.979	mg/L	0.0001	0.01%
Znt	55014.0	1.03	mg/L	0.002	1.03	mg/L	0.002	0.17%
Alxt	191233.9	1970	ug/L	16.9	1.97	mg/L	0.017	0.86%
Bext	161928.8	50.9	ug/L	0.02	0.0509	mg/L	0.00002	0.04%

Sequence No.: 136
Sample ID: 2709190395
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 134
Date Collected: 9/26/2007 01:19:33
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709190395

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709190395

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	470007.9	100	%	0.2				0.22%
Yr	724451.4	95.7	%	0.99				1.03%
Agt	98.6	0.00035	mg/L	0.000018	0.00035	mg/L	0.000018	5.18%
Alt	1019.3	0.259	mg/L	0.0071	0.259	mg/L	0.0071	2.75%
Ast	-18.3	-0.00756	mg/L	0.000515	-0.00756	mg/L	0.000515	6.81%
B_t	2536.4	0.0776	mg/L	0.00012	0.0776	mg/L	0.00012	0.16%
Bat	3388.7	0.0430	mg/L	0.00004	0.0430	mg/L	0.00004	0.10%
Bet	234.7	0.00007	mg/L	0.000034	0.00007	mg/L	0.000034	46.15%
Cat	275610.0	38.2	mg/L	0.00	38.2	mg/L	0.00	0.01%
Cdt	-15.9	-0.00041	mg/L	0.000275	-0.00041	mg/L	0.000275	67.45%
Cot	5.0	0.00017	mg/L	0.000042	0.00017	mg/L	0.000042	24.61%
Crt	47.6	0.00057	mg/L	0.000025	0.00057	mg/L	0.000025	4.45%
Cut	30781.0	0.0785	mg/L	0.00048	0.0785	mg/L	0.00048	0.61%
Fet	236.8	0.221	mg/L	0.0005	0.221	mg/L	0.0005	0.22%
Kt	2664.8	2.10	mg/L	0.056	2.10	mg/L	0.056	2.69%
Mgt	30298.6	10.1	mg/L	0.00	10.1	mg/L	0.00	0.02%
Mnt	108236.6	0.183	mg/L	0.0008	0.183	mg/L	0.0008	0.45%
Mot	38.3	0.00273	mg/L	0.000168	0.00273	mg/L	0.000168	6.16%
Nat	93740.6	28.1	mg/L	0.00	28.1	mg/L	0.00	0.00%
Nit	28.3	0.00113	mg/L	0.000003	0.00113	mg/L	0.000003	0.24%
Pbt	47.4	0.00863	mg/L	0.000248	0.00863	mg/L	0.000248	2.87%
Sbt	-0.9	-0.00038	mg/L	0.001119	-0.00038	mg/L	0.001119	292.38%
Set	-9.3	-0.00577	mg/L	0.000164	-0.00577	mg/L	0.000164	2.84%
Tlt	32.1	0.0107	mg/L	0.00083	0.0107	mg/L	0.00083	7.75%
Vt	873.2	0.00493	mg/L	0.000085	0.00493	mg/L	0.000085	1.72%
Znt	3297.1	0.0619	mg/L	0.00028	0.0619	mg/L	0.00028	0.46%
Alxt	25242.6	260	ug/L	0.1	0.260	mg/L	0.0001	0.02%
Bext	234.7	0.0738	ug/L	0.03404	0.00007	mg/L	0.000034	46.15%

Sequence No.: 137
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 01:23:15
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	449225.4	96.0	%	0.41				0.43%
Yr	672269.4	88.8	%	0.76				0.85%
Agt	268382.5	0.945	mg/L	0.0024	0.945	mg/L	0.0024	0.25%
QC value within limits for Ag	Recovery = 94.50%							
Alt	20499.8	5.21	mg/L	0.098	5.21	mg/L	0.098	1.87%
QC value within limits for Al	Recovery = 104.23%							
Ast	10874.7	4.58	mg/L	0.018	4.58	mg/L	0.018	0.40%
QC value within limits for As	Recovery = 91.57%							
B_t	77723.8	2.37	mg/L	0.001	2.37	mg/L	0.001	0.05%
QC value within limits for B_	Recovery = 94.69%							
Bat	390933.8	4.96	mg/L	0.015	4.96	mg/L	0.015	0.30%
QC value within limits for Ba	Recovery = 99.26%							
Bet	6291966.6	1.98	mg/L	0.005	1.98	mg/L	0.005	0.25%
QC value within limits for Be	Recovery = 98.88%							
Cat	377047.2	52.2	mg/L	0.48	52.2	mg/L	0.48	0.92%
QC value within limits for Ca	Recovery = 104.48%							
Cdt	72372.6	2.41	mg/L	0.009	2.41	mg/L	0.009	0.39%
QC value within limits for Cd	Recovery = 96.35%							
Cot	145130.9	4.97	mg/L	0.020	4.97	mg/L	0.020	0.40%
QC value within limits for Co	Recovery = 99.43%							
Crt	407320.1	4.90	mg/L	0.002	4.90	mg/L	0.002	0.04%
QC value within limits for Cr	Recovery = 98.08%							
Cut	1855689.7	4.74	mg/L	0.019	4.74	mg/L	0.019	0.40%
QC value within limits for Cu	Recovery = 94.80%							
Fet	5629.4	5.26	mg/L	0.112	5.26	mg/L	0.112	2.13%
QC value within limits for Fe	Recovery = 105.11%							
Kt	64465.1	50.7	mg/L	0.94	50.7	mg/L	0.94	1.86%
QC value within limits for K	Recovery = 101.39%							
Mgt	158045.9	52.6	mg/L	0.51	52.6	mg/L	0.51	0.97%
QC value within limits for Mg	Recovery = 105.19%							
Mnt	2955633.4	5.01	mg/L	0.015	5.01	mg/L	0.015	0.30%
QC value within limits for Mn	Recovery = 100.12%							
Mot	67472.8	4.81	mg/L	0.020	4.81	mg/L	0.020	0.41%
QC value within limits for Mo	Recovery = 96.16%							
Nat	168226.8	50.5	mg/L	0.91	50.5	mg/L	0.91	1.80%
QC value within limits for Na	Recovery = 100.97%							
Nit	124592.5	5.00	mg/L	0.003	5.00	mg/L	0.003	0.05%
QC value within limits for Ni	Recovery = 99.95%							
Pbt	27546.8	5.01	mg/L	0.033	5.01	mg/L	0.033	0.66%
QC value within limits for Pb	Recovery = 100.26%							
Sbt	10153.8	4.58	mg/L	0.006	4.58	mg/L	0.006	0.14%
QC value within limits for Sb	Recovery = 91.61%							
Set	7270.3	4.88	mg/L	0.023	4.88	mg/L	0.023	0.47%
QC value within limits for Se	Recovery = 97.53%							
Tlt	15191.1	5.07	mg/L	0.056	5.07	mg/L	0.056	1.10%
QC value within limits for Tl	Recovery = 101.43%							
Vt	859389.4	4.88	mg/L	0.009	4.88	mg/L	0.009	0.18%
QC value within limits for V	Recovery = 97.59%							
Znt	265625.1	4.96	mg/L	0.007	4.96	mg/L	0.007	0.14%
QC value within limits for Zn	Recovery = 99.11%							
Alxt	473237.9	4880	ug/L	25.0	4.88	mg/L	0.025	0.51%
QC value within limits for Alx	Recovery = 97.54%							
Bext	6291966.6	1980	ug/L	5.0	1.98	mg/L	0.005	0.25%
QC value within limits for Bex	Recovery = 98.88%							

All analyte(s) passed QC.

Sequence No.: 138
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 01:26:35
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	473788.0	101	%	1.6				1.59%
Yr	736724.9	97.3	%	0.55				0.57%
Ag†	36.1	0.00013	mg/L	0.000095	0.00013	mg/L	0.000095	74.95%
QC value within limits for Ag	Recovery = Not calculated							
Al†	-28.5	-0.00723	mg/L	0.001776	-0.00723	mg/L	0.001776	24.55%
QC value within limits for Al	Recovery = Not calculated							
As†	23.3	0.00980	mg/L	0.000405	0.00980	mg/L	0.000405	4.13%
QC value within limits for As	Recovery = Not calculated							
B_†	642.3	0.0196	mg/L	0.00137	0.0196	mg/L	0.00137	6.99%
QC value within limits for B_	Recovery = Not calculated							
Ba†	2.0	0.00003	mg/L	0.000000	0.00003	mg/L	0.000000	1.23%
QC value within limits for Ba	Recovery = Not calculated							
Be†	399.0	0.00013	mg/L	0.000004	0.00013	mg/L	0.000004	3.56%
QC value within limits for Be	Recovery = Not calculated							
Ca†	51.3	0.00711	mg/L	0.000009	0.00711	mg/L	0.000009	0.13%
QC value within limits for Ca	Recovery = Not calculated							
Cd†	0.2	-0.00016	mg/L	0.000080	-0.00016	mg/L	0.000080	49.10%
QC value within limits for Cd	Recovery = Not calculated							
Co†	0.2	0.00001	mg/L	0.000027	0.00001	mg/L	0.000027	369.56%
QC value within limits for Co	Recovery = Not calculated							
Cr†	37.6	0.00045	mg/L	0.000207	0.00045	mg/L	0.000207	45.67%
QC value within limits for Cr	Recovery = Not calculated							
Cu†	-160.9	-0.00041	mg/L	0.000144	-0.00041	mg/L	0.000144	35.16%
QC value within limits for Cu	Recovery = Not calculated							
Fe†	-0.1	-0.00013	mg/L	0.000978	-0.00013	mg/L	0.000978	772.51%
QC value within limits for Fe	Recovery = Not calculated							
K†	85.8	0.0675	mg/L	0.05153	0.0675	mg/L	0.05153	76.36%
QC value within limits for K	Recovery = Not calculated							
Mg†	1.4	0.00045	mg/L	0.000637	0.00045	mg/L	0.000637	141.53%
QC value within limits for Mg	Recovery = Not calculated							
Mn†	-19.6	-0.00003	mg/L	0.000025	-0.00003	mg/L	0.000025	75.28%
QC value within limits for Mn	Recovery = Not calculated							
Mo†	39.0	0.00278	mg/L	0.000127	0.00278	mg/L	0.000127	4.58%
QC value within limits for Mo	Recovery = Not calculated							
Na†	-77.0	-0.0231	mg/L	0.00473	-0.0231	mg/L	0.00473	20.49%
QC value within limits for Na	Recovery = Not calculated							
Ni†	0.5	0.00002	mg/L	0.000049	0.00002	mg/L	0.000049	246.65%
QC value within limits for Ni	Recovery = Not calculated							
Pb†	-2.0	-0.00036	mg/L	0.000486	-0.00036	mg/L	0.000486	134.89%
QC value within limits for Pb	Recovery = Not calculated							
Sb†	0.7	0.00032	mg/L	0.000354	0.00032	mg/L	0.000354	111.23%
QC value within limits for Sb	Recovery = Not calculated							
Se†	-4.4	-0.00296	mg/L	0.006355	-0.00296	mg/L	0.006355	214.69%
QC value within limits for Se	Recovery = Not calculated							
Tl†	4.8	0.00160	mg/L	0.002532	0.00160	mg/L	0.002532	157.80%
QC value within limits for Tl	Recovery = Not calculated							
V†	-19.6	-0.00011	mg/L	0.000006	-0.00011	mg/L	0.000006	5.74%
QC value within limits for V	Recovery = Not calculated							
Zn†	-323.2	-0.00607	mg/L	0.000043	-0.00607	mg/L	0.000043	0.70%
QC value within limits for Zn	Recovery = Not calculated							
Alx†	-142.1	-1.46	ug/L	1.021	-0.00146	mg/L	0.001021	69.71%
QC value within limits for Alx	Recovery = Not calculated							
Bex†	399.0	0.125	ug/L	0.0045	0.00013	mg/L	0.000004	3.56%
QC value within limits for Bex	Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 139
Sample ID: MCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/26/2007 01:30:03
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MCV

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: MCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	462567.8	98.8	%	0.27				0.27%
Yr	713801.7	94.3	%	2.42				2.57%
Agt	132517.5	0.467	mg/L	0.0016	0.467	mg/L	0.0016	0.33%
QC value within limits for Ag		Recovery = 93.32%						
Alt	9591.7	2.44	mg/L	0.064	2.44	mg/L	0.064	2.64%
QC value within limits for Al		Recovery = 97.53%						
Ast	5404.3	2.28	mg/L	0.009	2.28	mg/L	0.009	0.41%
QC value within limits for As		Recovery = 91.01%						
B_t	38773.7	1.18	mg/L	0.003	1.18	mg/L	0.003	0.24%
QC value within limits for B_		Recovery = 94.47%						
Bat	196015.0	2.49	mg/L	0.007	2.49	mg/L	0.007	0.30%
QC value within limits for Ba		Recovery = 99.53%						
Bet	3131796.4	0.984	mg/L	0.0100	0.984	mg/L	0.0100	1.01%
QC value within limits for Be		Recovery = 98.44%						
Cat	180511.4	25.0	mg/L	0.43	25.0	mg/L	0.43	1.70%
QC value within limits for Ca		Recovery = 100.04%						
Cdt	35977.5	1.20	mg/L	0.002	1.20	mg/L	0.002	0.15%
QC value within limits for Cd		Recovery = 95.81%						
Cot	72829.1	2.49	mg/L	0.000	2.49	mg/L	0.000	0.00%
QC value within limits for Co		Recovery = 99.79%						
Crt	203612.5	2.45	mg/L	0.001	2.45	mg/L	0.001	0.03%
QC value within limits for Cr		Recovery = 98.06%						
Cut	920838.6	2.35	mg/L	0.019	2.35	mg/L	0.019	0.82%
QC value within limits for Cu		Recovery = 94.08%						
Fet	2653.4	2.48	mg/L	0.066	2.48	mg/L	0.066	2.67%
QC value within limits for Fe		Recovery = 99.08%						
Kt	30018.2	23.6	mg/L	0.42	23.6	mg/L	0.42	1.80%
QC value within limits for K		Recovery = 94.42%						
Mgt	76268.9	25.4	mg/L	0.49	25.4	mg/L	0.49	1.92%
QC value within limits for Mg		Recovery = 101.52%						
Mnt	1483292.6	2.51	mg/L	0.024	2.51	mg/L	0.024	0.94%
QC value within limits for Mn		Recovery = 100.49%						
Mot	33801.7	2.41	mg/L	0.009	2.41	mg/L	0.009	0.38%
QC value within limits for Mo		Recovery = 96.35%						
Nat	78644.5	23.6	mg/L	0.52	23.6	mg/L	0.52	2.21%
QC value within limits for Na		Recovery = 94.41%						
Nit	62762.9	2.52	mg/L	0.002	2.52	mg/L	0.002	0.10%
QC value within limits for Ni		Recovery = 100.70%						
Pbt	13896.6	2.53	mg/L	0.008	2.53	mg/L	0.008	0.30%
QC value within limits for Pb		Recovery = 101.16%						
Sbt	5085.5	2.29	mg/L	0.001	2.29	mg/L	0.001	0.02%
QC value within limits for Sb		Recovery = 91.76%						
Set	3613.2	2.42	mg/L	0.004	2.42	mg/L	0.004	0.17%
QC value within limits for Se		Recovery = 96.93%						
Tlt	7729.2	2.58	mg/L	0.004	2.58	mg/L	0.004	0.15%
QC value within limits for Tl		Recovery = 103.20%						
Vt	425722.0	2.42	mg/L	0.004	2.42	mg/L	0.004	0.17%
QC value within limits for V		Recovery = 96.70%						
Znt	133026.0	2.48	mg/L	0.003	2.48	mg/L	0.003	0.13%
QC value within limits for Zn		Recovery = 99.26%						
Alxt	235753.2	2430	ug/L	19.2	2.43	mg/L	0.019	0.79%
QC value within limits for Alx		Recovery = 97.19%						
Bext	3131796.4	984	ug/L	10.0	0.984	mg/L	0.0100	1.01%
QC value within limits for Bex		Recovery = 98.44%						

All analyte(s) passed QC.

Sequence No.: 140
Sample ID: 2709190395MS
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 135
Date Collected: 9/26/2007 01:34:33
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709190395MS

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709190395MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	463884.2	99.1	%	1.02				1.03%
Yr	735951.9	97.2	%	1.00				1.03%
Agt	135006.1	0.475	mg/L	0.0016	0.475	mg/L	0.0016	0.34%
Alt	8152.3	2.07	mg/L	0.026	2.07	mg/L	0.026	1.25%
Ast	2289.4	0.966	mg/L	0.0060	0.966	mg/L	0.0060	0.63%
B_t	17984.0	0.548	mg/L	0.0008	0.548	mg/L	0.0008	0.14%
Bat	78893.1	1.00	mg/L	0.005	1.00	mg/L	0.005	0.48%
Bet	158042.7	0.0497	mg/L	0.00017	0.0497	mg/L	0.00017	0.33%
Cat	623765.2	86.4	mg/L	0.04	86.4	mg/L	0.04	0.05%
Cdt	5872.3	0.187	mg/L	0.0011	0.187	mg/L	0.0011	0.59%
Cot	28435.6	0.974	mg/L	0.0059	0.974	mg/L	0.0059	0.61%
Crt	79152.6	0.953	mg/L	0.0025	0.953	mg/L	0.0025	0.26%
Cut	384509.2	0.982	mg/L	0.0097	0.982	mg/L	0.0097	0.99%
Fet	5422.4	5.06	mg/L	0.033	5.06	mg/L	0.033	0.66%
Kt	27495.5	21.6	mg/L	0.21	21.6	mg/L	0.21	0.96%
Mgt	90185.0	30.0	mg/L	0.27	30.0	mg/L	0.27	0.91%
Mnt	494904.1	0.838	mg/L	0.0020	0.838	mg/L	0.0020	0.24%
Mot	13331.2	0.950	mg/L	0.0058	0.950	mg/L	0.0058	0.61%
Nat	249824.0	75.0	mg/L	0.15	75.0	mg/L	0.15	0.20%
Nit	11988.4	0.481	mg/L	0.0038	0.481	mg/L	0.0038	0.79%
Pbt	5487.6	0.999	mg/L	0.0095	0.999	mg/L	0.0095	0.95%
Sbt	1036.2	0.460	mg/L	0.0029	0.460	mg/L	0.0029	0.62%
Set	1450.5	0.981	mg/L	0.0005	0.981	mg/L	0.0005	0.05%
Tlt	3023.1	1.01	mg/L	0.007	1.01	mg/L	0.007	0.66%
Vt	168641.0	0.957	mg/L	0.0002	0.957	mg/L	0.0002	0.02%
Znt	54969.6	1.03	mg/L	0.001	1.03	mg/L	0.001	0.05%
Alxt	201394.0	2080	ug/L	11.4	2.08	mg/L	0.011	0.55%
Bext	158042.7	49.7	ug/L	0.17	0.0497	mg/L	0.00017	0.33%

Sequence No.: 141
Sample ID: 2709190395MSD
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 136
Date Collected: 9/26/2007 01:38:20
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709190395MSD

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: 2709190395MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	464266.3	99.2	%	0.47				0.47%
Yr	735786.3	97.2	%	0.35				0.36%
Agt	138234.4	0.487	mg/L	0.0049	0.487	mg/L	0.0049	1.01%
Alt	8535.6	2.17	mg/L	0.011	2.17	mg/L	0.011	0.50%
Ast	2337.7	0.987	mg/L	0.0112	0.987	mg/L	0.0112	1.14%
B_t	18358.6	0.560	mg/L	0.0051	0.560	mg/L	0.0051	0.91%
Bat	81266.7	1.03	mg/L	0.008	1.03	mg/L	0.008	0.81%
Bet	161731.8	0.0508	mg/L	0.00052	0.0508	mg/L	0.00052	1.02%
Cat	621339.0	86.1	mg/L	0.07	86.1	mg/L	0.07	0.08%
Cdt	5997.9	0.191	mg/L	0.0009	0.191	mg/L	0.0009	0.45%
Cot	29072.6	0.996	mg/L	0.0055	0.996	mg/L	0.0055	0.55%
Crt	80936.8	0.974	mg/L	0.0122	0.974	mg/L	0.0122	1.25%
Cut	407048.6	1.04	mg/L	0.011	1.04	mg/L	0.011	1.08%
Fet	5533.7	5.17	mg/L	0.031	5.17	mg/L	0.031	0.59%
Kt	27237.1	21.4	mg/L	0.11	21.4	mg/L	0.11	0.53%
Mgt	89823.8	29.9	mg/L	0.10	29.9	mg/L	0.10	0.35%
Mnt	413562.3	0.700	mg/L	0.0062	0.700	mg/L	0.0062	0.89%
Mot	13580.6	0.968	mg/L	0.0049	0.968	mg/L	0.0049	0.50%
Nat	249163.2	74.8	mg/L	0.10	74.8	mg/L	0.10	0.14%
Nit	12269.5	0.492	mg/L	0.0026	0.492	mg/L	0.0026	0.52%
Pbt	5612.6	1.02	mg/L	0.006	1.02	mg/L	0.006	0.62%
Sbt	1059.9	0.471	mg/L	0.0016	0.471	mg/L	0.0016	0.35%
Set	1473.5	0.996	mg/L	0.0027	0.996	mg/L	0.0027	0.27%
Tlt	3094.3	1.03	mg/L	0.008	1.03	mg/L	0.008	0.75%
Vt	172395.7	0.979	mg/L	0.0111	0.979	mg/L	0.0111	1.14%
Znt	57666.6	1.08	mg/L	0.010	1.08	mg/L	0.010	0.93%
Alxt	214677.2	2210	ug/L	22.4	2.21	mg/L	0.022	1.01%
Bext	161731.8	50.8	ug/L	0.52	0.0508	mg/L	0.00052	1.02%

Sequence No.: 150
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 02:16:34
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	241.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	455275.5	97.3	%	0.12				0.13%
Yr	725124.2	95.8	%	1.21				1.26%
Agt	264683.7	0.932	mg/L	0.0007	0.932	mg/L	0.0007	0.07%
QC value within limits for Ag		Recovery = 93.20%						
Alt	18793.2	4.78	mg/L	0.059	4.78	mg/L	0.059	1.24%
QC value within limits for Al		Recovery = 95.55%						
Ast	10766.5	4.53	mg/L	0.003	4.53	mg/L	0.003	0.07%
QC value within limits for As		Recovery = 90.66%						
B_t	76319.5	2.32	mg/L	0.004	2.32	mg/L	0.004	0.17%
QC value within limits for B_		Recovery = 92.98%						
Bat	382451.8	4.86	mg/L	0.001	4.86	mg/L	0.001	0.02%
QC value within limits for Ba		Recovery = 97.10%						
Bet	6143393.2	1.93	mg/L	0.014	1.93	mg/L	0.014	0.74%
QC value within limits for Be		Recovery = 96.55%						
Cat	344284.9	47.7	mg/L	0.14	47.7	mg/L	0.14	0.29%
QC value within limits for Ca		Recovery = 95.40%						
Cdt	71374.5	2.38	mg/L	0.002	2.38	mg/L	0.002	0.10%
QC value within limits for Cd		Recovery = 95.01%						
Cot	142222.1	4.87	mg/L	0.002	4.87	mg/L	0.002	0.04%
QC value within limits for Co		Recovery = 97.43%						
Crt	399403.4	4.81	mg/L	0.001	4.81	mg/L	0.001	0.01%
QC value within limits for Cr		Recovery = 96.18%						
Cut	1827299.0	4.67	mg/L	0.003	4.67	mg/L	0.003	0.07%
QC value within limits for Cu		Recovery = 93.35%						
Fet	5116.2	4.78	mg/L	0.064	4.78	mg/L	0.064	1.33%
QC value within limits for Fe		Recovery = 95.53%						
Kt	58959.6	46.4	mg/L	0.26	46.4	mg/L	0.26	0.55%
QC value within limits for K		Recovery = 92.73%						
Mgt	145481.0	48.4	mg/L	0.25	48.4	mg/L	0.25	0.51%
QC value within limits for Mg		Recovery = 96.83%						
Mnt	2896815.8	4.91	mg/L	0.003	4.91	mg/L	0.003	0.06%
QC value within limits for Mn		Recovery = 98.13%						
Mot	66730.1	4.76	mg/L	0.012	4.76	mg/L	0.012	0.26%
QC value within limits for Mo		Recovery = 95.10%						
Nat	153446.2	46.1	mg/L	0.34	46.1	mg/L	0.34	0.74%
QC value within limits for Na		Recovery = 92.10%						
Nit	122117.3	4.90	mg/L	0.005	4.90	mg/L	0.005	0.10%
QC value within limits for Ni		Recovery = 97.97%						
Pbt	27196.5	4.95	mg/L	0.022	4.95	mg/L	0.022	0.44%
QC value within limits for Pb		Recovery = 98.99%						
Sbt	10099.3	4.56	mg/L	0.007	4.56	mg/L	0.007	0.16%
QC value within limits for Sb		Recovery = 91.14%						
Set	7166.2	4.81	mg/L	0.007	4.81	mg/L	0.007	0.16%
QC value within limits for Se		Recovery = 96.12%						
Tlt	15036.4	5.02	mg/L	0.001	5.02	mg/L	0.001	0.02%
QC value within limits for Tl		Recovery = 100.39%						
Vt	845304.2	4.80	mg/L	0.002	4.80	mg/L	0.002	0.05%
QC value within limits for V		Recovery = 95.99%						
Znt	260338.7	4.86	mg/L	0.007	4.86	mg/L	0.007	0.14%
QC value within limits for Zn		Recovery = 97.13%						
Alxt	469870.5	4840	ug/L	12.4	4.84	mg/L	0.012	0.26%
QC value within limits for Alx		Recovery = 96.85%						
Bext	6143393.2	1930	ug/L	14.2	1.93	mg/L	0.014	0.74%
QC value within limits for Bex		Recovery = 96.55%						

All analyte(s) passed QC.

Sequence No.: 151
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 02:19:55
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	241.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	476033.2	102	%	1.8				1.76%
Yr	744714.7	98.4	%	0.52				0.53%
Ag†	-78.4	-0.00028	mg/L	0.000064	-0.00028	mg/L	0.000064	23.15%
QC value within limits for Ag		Recovery = Not calculated						
Al†	9.4	0.00239	mg/L	0.002297	0.00239	mg/L	0.002297	96.25%
QC value within limits for Al		Recovery = Not calculated						
As†	27.6	0.0116	mg/L	0.00008	0.0116	mg/L	0.00008	0.68%
QC value within limits for As		Recovery = Not calculated						
B_†	466.0	0.0143	mg/L	0.00151	0.0143	mg/L	0.00151	10.57%
QC value within limits for B_		Recovery = Not calculated						
Ba†	1.8	0.00002	mg/L	0.000054	0.00002	mg/L	0.000054	239.45%
QC value within limits for Ba		Recovery = Not calculated						
Be†	435.0	0.00014	mg/L	0.000012	0.00014	mg/L	0.000012	9.00%
QC value within limits for Be		Recovery = Not calculated						
Ca†	33.1	0.00458	mg/L	0.001511	0.00458	mg/L	0.001511	32.95%
QC value within limits for Ca		Recovery = Not calculated						
Cd†	2.9	-0.00010	mg/L	0.000132	-0.00010	mg/L	0.000132	128.27%
QC value within limits for Cd		Recovery = Not calculated						
Co†	0.2	0.00001	mg/L	0.000313	0.00001	mg/L	0.000313	>999.9%
QC value within limits for Co		Recovery = Not calculated						
Cr†	22.9	0.00028	mg/L	0.000092	0.00028	mg/L	0.000092	33.44%
QC value within limits for Cr		Recovery = Not calculated						
Cu†	-132.3	-0.00034	mg/L	0.000151	-0.00034	mg/L	0.000151	44.87%
QC value within limits for Cu		Recovery = Not calculated						
Fe†	1.7	0.00161	mg/L	0.003266	0.00161	mg/L	0.003266	202.33%
QC value within limits for Fe		Recovery = Not calculated						
K†	122.9	0.0966	mg/L	0.06907	0.0966	mg/L	0.06907	71.48%
QC value within limits for K		Recovery = Not calculated						
Mg†	0.8	0.00026	mg/L	0.000777	0.00026	mg/L	0.000777	302.23%
QC value within limits for Mg		Recovery = Not calculated						
Mn†	-18.5	-0.00003	mg/L	0.000030	-0.00003	mg/L	0.000030	96.53%
QC value within limits for Mn		Recovery = Not calculated						
Mo†	36.7	0.00262	mg/L	0.000195	0.00262	mg/L	0.000195	7.43%
QC value within limits for Mo		Recovery = Not calculated						
Na†	69.5	0.0208	mg/L	0.02496	0.0208	mg/L	0.02496	119.76%
QC value within limits for Na		Recovery = Not calculated						
Ni†	5.9	0.00023	mg/L	0.000363	0.00023	mg/L	0.000363	154.50%
QC value within limits for Ni		Recovery = Not calculated						
Pb†	-0.6	-0.00011	mg/L	0.000085	-0.00011	mg/L	0.000085	74.51%
QC value within limits for Pb		Recovery = Not calculated						
Sb†	3.1	0.00144	mg/L	0.000083	0.00144	mg/L	0.000083	5.80%
QC value within limits for Sb		Recovery = Not calculated						
Se†	4.9	0.00330	mg/L	0.006936	0.00330	mg/L	0.006936	210.46%
QC value within limits for Se		Recovery = Not calculated						
Tl†	4.4	0.00145	mg/L	0.001040	0.00145	mg/L	0.001040	71.57%
QC value within limits for Tl		Recovery = Not calculated						
V†	5.7	0.00003	mg/L	0.000200	0.00003	mg/L	0.000200	591.25%
QC value within limits for V		Recovery = Not calculated						
Zn†	-327.7	-0.00616	mg/L	0.000067	-0.00616	mg/L	0.000067	1.09%
QC value within limits for Zn		Recovery = Not calculated						
Alx†	-103.5	-1.07	ug/L	0.612	-0.00107	mg/L	0.000612	57.38%
QC value within limits for Alx		Recovery = Not calculated						
Bex†	435.0	0.137	ug/L	0.0123	0.00014	mg/L	0.000012	9.00%
QC value within limits for Bex		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 157
Sample ID: 2709180347
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 150
Date Collected: 9/26/2007 02:45:01
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: 2709180347

Analyte	Back Pressure	Flow
All	242.0 kPa	0.65 L/min

Mean Data: 2709180347

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	400302.7	85.5	%	0.53				0.62%
Yr	678252.6	89.6	%	1.01				1.12%
Agt	27.3	0.00010	mg/L	0.000360	0.00010	mg/L	0.000360	374.20%
Alt	92.8	0.0236	mg/L	0.00818	0.0236	mg/L	0.00818	34.68%
Ast	-39.0	-0.0163	mg/L	0.00058	-0.0163	mg/L	0.00058	3.57%
B_t	117790.8	3.60	mg/L	0.008	3.60	mg/L	0.008	0.23%
Bat	1927.0	0.0245	mg/L	0.00029	0.0245	mg/L	0.00029	1.19%
Bet	-1410.1	-0.00044	mg/L	0.000049	-0.00044	mg/L	0.000049	11.14%
Cat	2797236.1	388	mg/L	5.6	388	mg/L	5.6	1.43%
Cdt	-36.3	-0.00091	mg/L	0.000022	-0.00091	mg/L	0.000022	2.38%
Cot	328.1	0.0112	mg/L	0.00044	0.0112	mg/L	0.00044	3.92%
Crt	698.0	0.00840	mg/L	0.000321	0.00840	mg/L	0.000321	3.82%
Cut	437.9	0.00113	mg/L	0.000188	0.00113	mg/L	0.000188	16.67%
Fet	189.4	0.177	mg/L	0.0023	0.177	mg/L	0.0023	1.27%
Kt	37472.2	29.5	mg/L	0.08	29.5	mg/L	0.08	0.26%
Mgt	529526.4	176	mg/L	2.3	176	mg/L	2.3	1.28%
Mnt	530610.3	0.899	mg/L	0.0013	0.899	mg/L	0.0013	0.14%
Mot	2058.6	0.147	mg/L	0.0028	0.147	mg/L	0.0028	1.88%
Nat	3959501.6	1190	mg/L	26.2	1190	mg/L	26.2	2.20%
Nit	825.5	0.0331	mg/L	0.00084	0.0331	mg/L	0.00084	2.53%
Pbt	-61.0	-0.0111	mg/L	0.00122	-0.0111	mg/L	0.00122	10.95%
Sbt	14.9	0.00679	mg/L	0.001597	0.00679	mg/L	0.001597	23.50%
Set	-36.5	-0.0241	mg/L	0.01301	-0.0241	mg/L	0.01301	53.94%
Tlt	49.9	0.0167	mg/L	0.00011	0.0167	mg/L	0.00011	0.66%
Vt	5084.6	0.0288	mg/L	0.00062	0.0288	mg/L	0.00062	2.16%
Znt	154.8	0.00268	mg/L	0.000152	0.00268	mg/L	0.000152	5.68%
Alxt	1262.3	13.0	ug/L	0.06	0.0130	mg/L	0.00006	0.47%
Bext	-1410.1	-0.443	ug/L	0.0494	-0.00044	mg/L	0.000049	11.14%

Sequence No.: 162
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 03:06:29
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	248.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	435334.1	93.0	%	0.05				0.06%
Yr	676870.5	89.4	%	1.19				1.33%
Ag†	269890.0	0.950	mg/L	0.0027	0.950	mg/L	0.0027	0.29%
QC value within limits for Ag	Recovery = 95.03%							
Al†	19328.9	4.91	mg/L	0.133	4.91	mg/L	0.133	2.71%
QC value within limits for Al	Recovery = 98.27%							
As†	10897.6	4.59	mg/L	0.040	4.59	mg/L	0.040	0.87%
QC value within limits for As	Recovery = 91.76%							
B_†	78792.4	2.40	mg/L	0.007	2.40	mg/L	0.007	0.30%
QC value within limits for B_	Recovery = 96.00%							
Ba†	387925.5	4.92	mg/L	0.016	4.92	mg/L	0.016	0.33%
QC value within limits for Ba	Recovery = 98.49%							
Be†	6288429.2	1.98	mg/L	0.020	1.98	mg/L	0.020	1.01%
QC value within limits for Be	Recovery = 98.83%							
Ca†	353300.8	48.9	mg/L	0.36	48.9	mg/L	0.36	0.73%
QC value within limits for Ca	Recovery = 97.90%							
Cd†	72913.7	2.43	mg/L	0.002	2.43	mg/L	0.002	0.07%
QC value within limits for Cd	Recovery = 97.08%							
Co†	144181.7	4.94	mg/L	0.017	4.94	mg/L	0.017	0.34%
QC value within limits for Co	Recovery = 98.78%							
Cr†	406346.7	4.89	mg/L	0.019	4.89	mg/L	0.019	0.38%
QC value within limits for Cr	Recovery = 97.85%							
Cu†	1858235.2	4.75	mg/L	0.011	4.75	mg/L	0.011	0.24%
QC value within limits for Cu	Recovery = 94.93%							
Fe†	5253.6	4.90	mg/L	0.107	4.90	mg/L	0.107	2.18%
QC value within limits for Fe	Recovery = 98.09%							
K†	61305.4	48.2	mg/L	0.32	48.2	mg/L	0.32	0.67%
QC value within limits for K	Recovery = 96.42%							
Mg†	150043.8	49.9	mg/L	0.43	49.9	mg/L	0.43	0.86%
QC value within limits for Mg	Recovery = 99.86%							
Mn†	2937521.9	4.98	mg/L	0.014	4.98	mg/L	0.014	0.27%
QC value within limits for Mn	Recovery = 99.50%							
Mo†	67440.1	4.81	mg/L	0.007	4.81	mg/L	0.007	0.14%
QC value within limits for Mo	Recovery = 96.12%							
Na†	162130.6	48.7	mg/L	0.49	48.7	mg/L	0.49	1.00%
QC value within limits for Na	Recovery = 97.31%							
Ni†	123648.7	4.96	mg/L	0.012	4.96	mg/L	0.012	0.24%
QC value within limits for Ni	Recovery = 99.20%							
Pb†	27506.0	5.01	mg/L	0.012	5.01	mg/L	0.012	0.23%
QC value within limits for Pb	Recovery = 100.11%							
Sb†	10298.5	4.65	mg/L	0.006	4.65	mg/L	0.006	0.13%
QC value within limits for Sb	Recovery = 92.94%							
Se†	7247.4	4.86	mg/L	0.023	4.86	mg/L	0.023	0.47%
QC value within limits for Se	Recovery = 97.21%							
Tl†	15230.4	5.08	mg/L	0.001	5.08	mg/L	0.001	0.03%
QC value within limits for Tl	Recovery = 101.69%							
V†	859153.2	4.88	mg/L	0.017	4.88	mg/L	0.017	0.34%
QC value within limits for V	Recovery = 97.57%							
Zn†	263274.5	4.91	mg/L	0.012	4.91	mg/L	0.012	0.25%
QC value within limits for Zn	Recovery = 98.23%							
Alx†	487996.7	5030	ug/L	6.8	5.03	mg/L	0.007	0.14%
QC value within limits for Alx	Recovery = 100.59%							
Bex†	6288429.2	1980	ug/L	19.9	1.98	mg/L	0.020	1.01%
QC value within limits for Bex	Recovery = 98.83%							

All analyte(s) passed QC.

Sequence No.: 163
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 03:09:57
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	248.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	457591.4	97.7	%	0.24				0.25%
Yr	706679.0	93.4	%	0.78				0.83%
Ag†	-27.1	-0.00010	mg/L	0.000081	-0.00010	mg/L	0.000081	84.87%
QC value within limits for Ag Recovery = Not calculated								
Al†	13.9	0.00352	mg/L	0.002112	0.00352	mg/L	0.002112	59.94%
QC value within limits for Al Recovery = Not calculated								
As†	21.0	0.00885	mg/L	0.003585	0.00885	mg/L	0.003585	40.50%
QC value within limits for As Recovery = Not calculated								
B_†	1723.2	0.0527	mg/L	0.00086	0.0527	mg/L	0.00086	1.62%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ba†	22.5	0.00029	mg/L	0.000051	0.00029	mg/L	0.000051	17.77%
QC value within limits for Ba Recovery = Not calculated								
Be†	529.5	0.00017	mg/L	0.000028	0.00017	mg/L	0.000028	16.80%
QC value within limits for Be Recovery = Not calculated								
Ca†	128.1	0.0178	mg/L	0.00512	0.0178	mg/L	0.00512	28.86%
QC value within limits for Ca Recovery = Not calculated								
Cd†	10.6	0.00021	mg/L	0.000248	0.00021	mg/L	0.000248	119.58%
QC value within limits for Cd Recovery = Not calculated								
Co†	2.3	0.00008	mg/L	0.000052	0.00008	mg/L	0.000052	66.98%
QC value within limits for Co Recovery = Not calculated								
Cr†	35.5	0.00043	mg/L	0.000184	0.00043	mg/L	0.000184	43.11%
QC value within limits for Cr Recovery = Not calculated								
Cu†	-14.8	-0.00004	mg/L	0.000157	-0.00004	mg/L	0.000157	414.71%
QC value within limits for Cu Recovery = Not calculated								
Fe†	2.6	0.00244	mg/L	0.000675	0.00244	mg/L	0.000675	27.71%
QC value within limits for Fe Recovery = Not calculated								
K†	478.0	0.376	mg/L	0.0558	0.376	mg/L	0.0558	14.85%
QC value within limits for K Recovery = Not calculated								
Mg†	17.7	0.00589	mg/L	0.000072	0.00589	mg/L	0.000072	1.23%
QC value within limits for Mg Recovery = Not calculated								
Mn†	143.9	0.00024	mg/L	0.000028	0.00024	mg/L	0.000028	11.43%
QC value within limits for Mn Recovery = Not calculated								
Mo†	34.6	0.00246	mg/L	0.000444	0.00246	mg/L	0.000444	18.05%
QC value within limits for Mo Recovery = Not calculated								
Na†	7638.5	2.29	mg/L	0.124	2.29	mg/L	0.124	5.42%
QC value greater than the upper limit for Na Recovery = Not calculated								
Ni†	3.1	0.00012	mg/L	0.000382	0.00012	mg/L	0.000382	308.43%
QC value within limits for Ni Recovery = Not calculated								
Pb†	-1.5	-0.00027	mg/L	0.000150	-0.00027	mg/L	0.000150	55.65%
QC value within limits for Pb Recovery = Not calculated								
Sb†	4.1	0.00188	mg/L	0.001694	0.00188	mg/L	0.001694	89.99%
QC value within limits for Sb Recovery = Not calculated								
Se†	-0.4	-0.00027	mg/L	0.004016	-0.00027	mg/L	0.004016	>999.9%
QC value within limits for Se Recovery = Not calculated								
Tl†	2.6	0.00085	mg/L	0.000877	0.00085	mg/L	0.000877	103.13%
QC value within limits for Tl Recovery = Not calculated								
V†	14.9	0.00009	mg/L	0.000265	0.00009	mg/L	0.000265	305.82%
QC value within limits for V Recovery = Not calculated								
Zn†	-316.4	-0.00594	mg/L	0.000010	-0.00594	mg/L	0.000010	0.17%
QC value within limits for Zn Recovery = Not calculated								
Alx†	-95.9	-0.988	ug/L	0.4262	-0.00099	mg/L	0.000426	43.13%
QC value within limits for Alx Recovery = Not calculated								
Bex†	529.5	0.166	ug/L	0.0280	0.00017	mg/L	0.000028	16.80%
QC value within limits for Bex Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 164 **Autosampler Location: 0**
Sample ID: CCB **Date Collected: 9/26/2007 03:12:38**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	248.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	462165.1	98.7	%	0.96				0.97%
Yr	693497.6	91.6	%	1.98				2.16%
Agt	13.7	0.00005	mg/L	0.000477	0.00005	mg/L	0.000477	990.45%
QC value within limits for Ag Recovery = Not calculated								
Alt	-25.5	-0.00649	mg/L	0.010863	-0.00649	mg/L	0.010863	167.41%
QC value within limits for Al Recovery = Not calculated								
Ast	9.7	0.00409	mg/L	0.001232	0.00409	mg/L	0.001232	30.15%
QC value within limits for As Recovery = Not calculated								
B_t	1426.3	0.0436	mg/L	0.00009	0.0436	mg/L	0.00009	0.21%
QC value greater than the upper limit for B Recovery = Not calculated								
Bat	15.1	0.00019	mg/L	0.000002	0.00019	mg/L	0.000002	1.15%
QC value within limits for Ba Recovery = Not calculated								
Bet	308.4	0.00010	mg/L	0.000010	0.00010	mg/L	0.000010	9.84%
QC value within limits for Be Recovery = Not calculated								
Cat	100.7	0.0139	mg/L	0.00050	0.0139	mg/L	0.00050	3.59%
QC value within limits for Ca Recovery = Not calculated								
Cdt	6.8	0.00016	mg/L	0.000059	0.00016	mg/L	0.000059	36.44%
QC value within limits for Cd Recovery = Not calculated								
Cot	3.7	0.00013	mg/L	0.000205	0.00013	mg/L	0.000205	160.62%
QC value within limits for Co Recovery = Not calculated								
Crt	37.4	0.00045	mg/L	0.000023	0.00045	mg/L	0.000023	5.07%
QC value within limits for Cr Recovery = Not calculated								
Cut	-145.0	-0.00037	mg/L	0.000186	-0.00037	mg/L	0.000186	50.31%
QC value within limits for Cu Recovery = Not calculated								
Fet	3.3	0.00307	mg/L	0.001420	0.00307	mg/L	0.001420	46.25%
QC value within limits for Fe Recovery = Not calculated								
Kt	435.3	0.342	mg/L	0.0115	0.342	mg/L	0.0115	3.36%
QC value within limits for K Recovery = Not calculated								
Mgt	14.0	0.00467	mg/L	0.000732	0.00467	mg/L	0.000732	15.67%
QC value within limits for Mg Recovery = Not calculated								
Mnt	100.3	0.00017	mg/L	0.000034	0.00017	mg/L	0.000034	19.74%
QC value within limits for Mn Recovery = Not calculated								
Mot	15.5	0.00110	mg/L	0.000060	0.00110	mg/L	0.000060	5.41%
QC value within limits for Mo Recovery = Not calculated								
Nat	6978.7	2.09	mg/L	0.090	2.09	mg/L	0.090	4.30%
QC value greater than the upper limit for Na Recovery = Not calculated								
Nit	4.5	0.00018	mg/L	0.000062	0.00018	mg/L	0.000062	34.29%
QC value within limits for Ni Recovery = Not calculated								
Pbt	-1.6	-0.00029	mg/L	0.001852	-0.00029	mg/L	0.001852	642.24%
QC value within limits for Pb Recovery = Not calculated								
Sbt	-3.7	-0.00173	mg/L	0.002006	-0.00173	mg/L	0.002006	116.27%
QC value within limits for Sb Recovery = Not calculated								
Set	1.8	0.00121	mg/L	0.003225	0.00121	mg/L	0.003225	266.79%
QC value within limits for Se Recovery = Not calculated								
Tlt	-5.1	-0.00171	mg/L	0.001390	-0.00171	mg/L	0.001390	81.36%
QC value within limits for Tl Recovery = Not calculated								
Vt	-33.5	-0.00019	mg/L	0.000217	-0.00019	mg/L	0.000217	116.05%
QC value within limits for V Recovery = Not calculated								
Znt	-324.0	-0.00609	mg/L	0.000154	-0.00609	mg/L	0.000154	2.53%
QC value within limits for Zn Recovery = Not calculated								
Alxt	-92.0	-0.948	ug/L	0.4026	-0.00095	mg/L	0.000403	42.46%
QC value within limits for Alx Recovery = Not calculated								
Bext	308.4	0.0969	ug/L	0.00954	0.00010	mg/L	0.000010	9.84%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Retry.

Sequence No.: 165
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 03:15:47
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	455621.8	97.3	%	0.37				0.38%
Yr	693345.0	91.6	%	0.74				0.81%
Ag†	-111.9	-0.00039	mg/L	0.000138	-0.00039	mg/L	0.000138	35.07%
QC value within limits for Ag Recovery = Not calculated								
Al†	-16.4	-0.00416	mg/L	0.001209	-0.00416	mg/L	0.001209	29.08%
QC value within limits for Al Recovery = Not calculated								
As†	2.7	0.00114	mg/L	0.000510	0.00114	mg/L	0.000510	44.86%
QC value within limits for As Recovery = Not calculated								
B_†	1276.6	0.0390	mg/L	0.00014	0.0390	mg/L	0.00014	0.36%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ba†	16.0	0.00020	mg/L	0.000037	0.00020	mg/L	0.000037	18.19%
QC value within limits for Ba Recovery = Not calculated								
Be†	420.5	0.00013	mg/L	0.000025	0.00013	mg/L	0.000025	18.80%
QC value within limits for Be Recovery = Not calculated								
Ca†	97.2	0.0135	mg/L	0.00391	0.0135	mg/L	0.00391	29.08%
QC value within limits for Ca Recovery = Not calculated								
Cd†	3.4	0.00010	mg/L	0.000120	0.00010	mg/L	0.000120	124.76%
QC value within limits for Cd Recovery = Not calculated								
Co†	2.6	0.00009	mg/L	0.000054	0.00009	mg/L	0.000054	59.79%
QC value within limits for Co Recovery = Not calculated								
Cr†	29.5	0.00035	mg/L	0.000143	0.00035	mg/L	0.000143	40.33%
QC value within limits for Cr Recovery = Not calculated								
Cu†	-96.2	-0.00025	mg/L	0.000001	-0.00025	mg/L	0.000001	0.23%
QC value within limits for Cu Recovery = Not calculated								
Fe†	-0.2	-0.00016	mg/L	0.002117	-0.00016	mg/L	0.002117	>999.9%
QC value within limits for Fe Recovery = Not calculated								
K†	155.8	0.122	mg/L	0.0439	0.122	mg/L	0.0439	35.85%
QC value within limits for K Recovery = Not calculated								
Mg†	8.6	0.00287	mg/L	0.001239	0.00287	mg/L	0.001239	43.21%
QC value within limits for Mg Recovery = Not calculated								
Mn†	63.4	0.00011	mg/L	0.000001	0.00011	mg/L	0.000001	0.92%
QC value within limits for Mn Recovery = Not calculated								
Mo†	10.8	0.00077	mg/L	0.000126	0.00077	mg/L	0.000126	16.30%
QC value within limits for Mo Recovery = Not calculated								
Na†	5734.1	1.72	mg/L	0.055	1.72	mg/L	0.055	3.19%
QC value greater than the upper limit for Na Recovery = Not calculated								
Ni†	9.0	0.00036	mg/L	0.000357	0.00036	mg/L	0.000357	99.09%
QC value within limits for Ni Recovery = Not calculated								
Pb†	1.0	0.00018	mg/L	0.000654	0.00018	mg/L	0.000654	371.06%
QC value within limits for Pb Recovery = Not calculated								
Sb†	-0.9	-0.00042	mg/L	0.002641	-0.00042	mg/L	0.002641	636.03%
QC value within limits for Sb Recovery = Not calculated								
Se†	0.4	0.00028	mg/L	0.000445	0.00028	mg/L	0.000445	156.97%
QC value within limits for Se Recovery = Not calculated								
Tl†	-1.4	-0.00048	mg/L	0.000616	-0.00048	mg/L	0.000616	129.50%
QC value within limits for Tl Recovery = Not calculated								
V†	11.8	0.00007	mg/L	0.000437	0.00007	mg/L	0.000437	638.82%
QC value within limits for V Recovery = Not calculated								
Zn†	-318.1	-0.00598	mg/L	0.000036	-0.00598	mg/L	0.000036	0.60%
QC value within limits for Zn Recovery = Not calculated								
Alx†	-12.7	-0.131	ug/L	0.4912	-0.00013	mg/L	0.000491	373.89%
QC value within limits for Alx Recovery = Not calculated								

Bext	420.5	0.132 ug/L	0.0249	0.00013 mg/L	0.000025	18.80%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 166
Sample ID: MCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/26/2007 03:19:29
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MCV

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	442632.2	94.6	%	0.86				0.91%
Yr	672501.7	88.9	%	0.75				0.85%
Ag†	131208.5	0.462	mg/L	0.0009	0.462	mg/L	0.0009	0.19%
QC value within limits for Ag Recovery = 92.40%								
Al†	9551.8	2.43	mg/L	0.005	2.43	mg/L	0.005	0.22%
QC value within limits for Al Recovery = 97.13%								
As†	5272.7	2.22	mg/L	0.025	2.22	mg/L	0.025	1.12%
QC value less than the lower limit for As Recovery = 88.79%								
B_†	38543.4	1.17	mg/L	0.002	1.17	mg/L	0.002	0.21%
QC value within limits for B_ Recovery = 93.92%								
Ba†	191949.2	2.44	mg/L	0.010	2.44	mg/L	0.010	0.43%
QC value within limits for Ba Recovery = 97.47%								
Be†	3102146.7	0.975	mg/L	0.0121	0.975	mg/L	0.0121	1.24%
QC value within limits for Be Recovery = 97.51%								
Ca†	175287.2	24.3	mg/L	0.07	24.3	mg/L	0.07	0.27%
QC value within limits for Ca Recovery = 97.14%								
Cd†	35312.2	1.18	mg/L	0.003	1.18	mg/L	0.003	0.27%
QC value within limits for Cd Recovery = 94.05%								
Co†	71114.8	2.44	mg/L	0.005	2.44	mg/L	0.005	0.21%
QC value within limits for Co Recovery = 97.44%								
Cr†	201252.1	2.42	mg/L	0.001	2.42	mg/L	0.001	0.04%
QC value within limits for Cr Recovery = 96.92%								
Cu†	911377.4	2.33	mg/L	0.026	2.33	mg/L	0.026	1.10%
QC value within limits for Cu Recovery = 93.12%								
Fe†	2587.2	2.42	mg/L	0.009	2.42	mg/L	0.009	0.35%
QC value within limits for Fe Recovery = 96.61%								
K†	30096.7	23.7	mg/L	0.19	23.7	mg/L	0.19	0.80%
QC value within limits for K Recovery = 94.67%								
Mg†	74766.9	24.9	mg/L	0.12	24.9	mg/L	0.12	0.47%
QC value within limits for Mg Recovery = 99.53%								
Mn†	1472234.3	2.49	mg/L	0.031	2.49	mg/L	0.031	1.24%
QC value within limits for Mn Recovery = 99.74%								
Mo†	33225.6	2.37	mg/L	0.023	2.37	mg/L	0.023	0.96%
QC value within limits for Mo Recovery = 94.71%								
Na†	81418.3	24.4	mg/L	0.26	24.4	mg/L	0.26	1.08%
QC value within limits for Na Recovery = 97.74%								
Ni†	61462.4	2.47	mg/L	0.007	2.47	mg/L	0.007	0.27%
QC value within limits for Ni Recovery = 98.62%								
Pb†	13684.0	2.49	mg/L	0.025	2.49	mg/L	0.025	1.01%
QC value within limits for Pb Recovery = 99.61%								
Sb†	4994.2	2.25	mg/L	0.022	2.25	mg/L	0.022	0.98%
QC value within limits for Sb Recovery = 90.10%								
Se†	3515.1	2.36	mg/L	0.020	2.36	mg/L	0.020	0.85%
QC value within limits for Se Recovery = 94.30%								
Tl†	7597.8	2.54	mg/L	0.019	2.54	mg/L	0.019	0.74%
QC value within limits for Tl Recovery = 101.45%								
V†	419863.9	2.38	mg/L	0.006	2.38	mg/L	0.006	0.24%
QC value within limits for V Recovery = 95.37%								
Zn†	129829.1	2.42	mg/L	0.005	2.42	mg/L	0.005	0.21%
QC value within limits for Zn Recovery = 96.87%								
Alx†	237231.5	2440	ug/L	12.5	2.44	mg/L	0.013	0.51%
QC value within limits for Alx Recovery = 97.80%								
Bex†	3102146.7	975	ug/L	12.1	0.975	mg/L	0.0121	1.24%
QC value within limits for Bex Recovery = 97.51%								

QC Failed. Retry.

Sequence No.: 167
Sample ID: MCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 9/26/2007 03:22:44
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MCV

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	443613.0	94.8	%	1.29				1.36%
Yr	667221.4	88.2	%	1.86				2.11%
Ag†	131084.3	0.462	mg/L	0.0052	0.462	mg/L	0.0052	1.12%
QC value within limits for Ag Recovery = 92.31%								
Al†	9647.6	2.45	mg/L	0.060	2.45	mg/L	0.060	2.43%
QC value within limits for Al Recovery = 98.10%								
As†	5226.4	2.20	mg/L	0.029	2.20	mg/L	0.029	1.33%
QC value less than the lower limit for As Recovery = 88.02%								
B_†	38689.7	1.18	mg/L	0.007	1.18	mg/L	0.007	0.60%
QC value within limits for B_ Recovery = 94.28%								
Ba†	192375.6	2.44	mg/L	0.038	2.44	mg/L	0.038	1.54%
QC value within limits for Ba Recovery = 97.69%								
Be†	3083794.3	0.969	mg/L	0.0056	0.969	mg/L	0.0056	0.57%
QC value within limits for Be Recovery = 96.93%								
Ca†	174788.7	24.2	mg/L	0.07	24.2	mg/L	0.07	0.29%
QC value within limits for Ca Recovery = 96.86%								
Cd†	35441.2	1.18	mg/L	0.016	1.18	mg/L	0.016	1.36%
QC value within limits for Cd Recovery = 94.43%								
Co†	71340.0	2.44	mg/L	0.028	2.44	mg/L	0.028	1.14%
QC value within limits for Co Recovery = 97.75%								
Cr†	200110.9	2.41	mg/L	0.020	2.41	mg/L	0.020	0.85%
QC value within limits for Cr Recovery = 96.37%								
Cu†	909622.5	2.32	mg/L	0.009	2.32	mg/L	0.009	0.38%
QC value within limits for Cu Recovery = 92.94%								
Fe†	2602.0	2.43	mg/L	0.058	2.43	mg/L	0.058	2.37%
QC value within limits for Fe Recovery = 97.17%								
K†	30213.8	23.8	mg/L	0.08	23.8	mg/L	0.08	0.33%
QC value within limits for K Recovery = 95.04%								
Mg†	74746.7	24.9	mg/L	0.15	24.9	mg/L	0.15	0.59%
QC value within limits for Mg Recovery = 99.50%								
Mn†	1464167.7	2.48	mg/L	0.016	2.48	mg/L	0.016	0.66%
QC value within limits for Mn Recovery = 99.19%								
Mo†	33102.9	2.36	mg/L	0.034	2.36	mg/L	0.034	1.42%
QC value within limits for Mo Recovery = 94.36%								
Na†	80746.4	24.2	mg/L	0.05	24.2	mg/L	0.05	0.22%
QC value within limits for Na Recovery = 96.93%								
Ni†	61383.5	2.46	mg/L	0.023	2.46	mg/L	0.023	0.93%
QC value within limits for Ni Recovery = 98.49%								
Pb†	13588.8	2.47	mg/L	0.032	2.47	mg/L	0.032	1.31%
QC value within limits for Pb Recovery = 98.92%								
Sb†	4975.6	2.24	mg/L	0.030	2.24	mg/L	0.030	1.34%
QC value less than the lower limit for Sb Recovery = 89.77%								
Se†	3488.7	2.34	mg/L	0.037	2.34	mg/L	0.037	1.58%
QC value within limits for Se Recovery = 93.59%								
Tl†	7562.1	2.52	mg/L	0.039	2.52	mg/L	0.039	1.55%
QC value within limits for Tl Recovery = 100.97%								
V†	418979.3	2.38	mg/L	0.025	2.38	mg/L	0.025	1.05%
QC value within limits for V Recovery = 95.16%								
Zn†	129622.7	2.42	mg/L	0.028	2.42	mg/L	0.028	1.16%
QC value within limits for Zn Recovery = 96.72%								
Alx†	239088.1	2460	ug/L	31.9	2.46	mg/L	0.032	1.29%
QC value within limits for Alx Recovery = 98.56%								
Bex†	3083794.3	969	ug/L	5.6	0.969	mg/L	0.0056	0.57%

QC value within limits for Bex Recovery = 96.93%
QC Failed. Continue with analysis.

Sequence No.: 168
Sample ID: MRL A
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 9/26/2007 03:27:14
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL A

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MRL A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	462227.8	98.7	%	1.10				1.11%
Yr	689034.6	91.0	%	0.51				0.56%
Agt	2675.0	0.00942	mg/L	0.000288	0.00942	mg/L	0.000288	3.06%
Alt	202.0	0.0513	mg/L	0.00005	0.0513	mg/L	0.00005	0.11%
Ast	218.7	0.0921	mg/L	0.00131	0.0921	mg/L	0.00131	1.42%
B_t	2785.7	0.0851	mg/L	0.00068	0.0851	mg/L	0.00068	0.80%
Bat	1602.6	0.0203	mg/L	0.00015	0.0203	mg/L	0.00015	0.72%
Bet	3927.8	0.00123	mg/L	0.000010	0.00123	mg/L	0.000010	0.80%
Cat	7288.4	1.01	mg/L	0.004	1.01	mg/L	0.004	0.39%
Cdt	196.2	0.00528	mg/L	0.000024	0.00528	mg/L	0.000024	0.45%
Cot	1454.6	0.0498	mg/L	0.00026	0.0498	mg/L	0.00026	0.51%
Crt	870.7	0.0105	mg/L	0.00002	0.0105	mg/L	0.00002	0.16%
Cut	4169.9	0.0107	mg/L	0.00012	0.0107	mg/L	0.00012	1.12%
Fet	22.9	0.0214	mg/L	0.00266	0.0214	mg/L	0.00266	12.44%
Kt	1560.3	1.23	mg/L	0.031	1.23	mg/L	0.031	2.51%
Mgt	312.4	0.104	mg/L	0.0008	0.104	mg/L	0.0008	0.78%
Mnt	1615.7	0.00274	mg/L	0.000079	0.00274	mg/L	0.000079	2.89%
Mot	301.6	0.0215	mg/L	0.00018	0.0215	mg/L	0.00018	0.84%
Nat	8141.9	2.44	mg/L	0.171	2.44	mg/L	0.171	7.00%
Nit	502.4	0.0202	mg/L	0.00000	0.0202	mg/L	0.00000	0.01%
Pbt	117.8	0.0214	mg/L	0.00068	0.0214	mg/L	0.00068	3.19%
Sbt	85.1	0.0388	mg/L	0.00163	0.0388	mg/L	0.00163	4.19%
Set	134.3	0.0899	mg/L	0.00137	0.0899	mg/L	0.00137	1.52%
Tlt	324.9	0.108	mg/L	0.0010	0.108	mg/L	0.0010	0.89%
Vt	458.8	0.00265	mg/L	0.000219	0.00265	mg/L	0.000219	8.27%
Znt	864.3	0.0161	mg/L	0.00022	0.0161	mg/L	0.00022	1.34%
Alxt	4542.2	46.8	ug/L	1.11	0.0468	mg/L	0.00111	2.38%
Bext	3927.8	1.23	ug/L	0.010	0.00123	mg/L	0.000010	0.80%

Sequence No.: 169
Sample ID: MRL B
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 9/26/2007 03:31:00
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL B

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MRL B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	462863.3	98.9	%	0.66				0.67%
Yr	692906.2	91.6	%	0.58				0.64%
Agt	2725.2	0.00960	mg/L	0.000694	0.00960	mg/L	0.000694	7.23%
Alt	183.2	0.0466	mg/L	0.00147	0.0466	mg/L	0.00147	3.16%
Ast	216.1	0.0910	mg/L	0.00192	0.0910	mg/L	0.00192	2.11%
B_t	2583.1	0.0789	mg/L	0.00003	0.0789	mg/L	0.00003	0.04%
Bat	1591.1	0.0202	mg/L	0.00014	0.0202	mg/L	0.00014	0.69%
Bet	3487.2	0.00110	mg/L	0.000004	0.00110	mg/L	0.000004	0.36%
Cat	7497.5	1.04	mg/L	0.013	1.04	mg/L	0.013	1.26%
Cdt	176.7	0.00464	mg/L	0.000134	0.00464	mg/L	0.000134	2.89%
Cot	1444.6	0.0495	mg/L	0.00050	0.0495	mg/L	0.00050	1.02%
Crt	867.9	0.0105	mg/L	0.00005	0.0105	mg/L	0.00005	0.48%
Cut	3923.5	0.0101	mg/L	0.00002	0.0101	mg/L	0.00002	0.20%
Fet	22.6	0.0211	mg/L	0.00069	0.0211	mg/L	0.00069	3.27%
Kt	1464.7	1.15	mg/L	0.028	1.15	mg/L	0.028	2.46%
Mgt	309.4	0.103	mg/L	0.0020	0.103	mg/L	0.0020	1.92%
Mnt	1322.4	0.00224	mg/L	0.000026	0.00224	mg/L	0.000026	1.18%
Mot	280.0	0.0200	mg/L	0.00035	0.0200	mg/L	0.00035	1.75%
Nat	8151.4	2.45	mg/L	0.015	2.45	mg/L	0.015	0.62%
Nit	493.3	0.0198	mg/L	0.00034	0.0198	mg/L	0.00034	1.70%
Pbt	112.0	0.0204	mg/L	0.00021	0.0204	mg/L	0.00021	1.02%
Sbt	78.9	0.0360	mg/L	0.00279	0.0360	mg/L	0.00279	7.75%
Set	133.8	0.0896	mg/L	0.00227	0.0896	mg/L	0.00227	2.53%
Tlt	314.5	0.105	mg/L	0.0019	0.105	mg/L	0.0019	1.86%
Vt	367.0	0.00213	mg/L	0.000486	0.00213	mg/L	0.000486	22.81%
Znt	810.5	0.0151	mg/L	0.00020	0.0151	mg/L	0.00020	1.35%
Alxt	4456.7	45.9	ug/L	0.10	0.0459	mg/L	0.00010	0.21%
Bext	3487.2	1.10	ug/L	0.004	0.00110	mg/L	0.000004	0.36%

Sequence No.: 170
Sample ID: MRL C
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 9/26/2007 03:34:48
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL C

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MRL C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	458185.1	97.9	%	0.84				0.85%
Yr	685825.7	90.6	%	0.97				1.07%
Agt	2645.1	0.00931	mg/L	0.000142	0.00931	mg/L	0.000142	1.53%
Alt	177.7	0.0452	mg/L	0.00805	0.0452	mg/L	0.00805	17.81%
Ast	216.6	0.0912	mg/L	0.00148	0.0912	mg/L	0.00148	1.62%
B_t	2530.6	0.0773	mg/L	0.00121	0.0773	mg/L	0.00121	1.56%
Bat	1601.1	0.0203	mg/L	0.00017	0.0203	mg/L	0.00017	0.84%
Bet	3323.4	0.00104	mg/L	0.000006	0.00104	mg/L	0.000006	0.53%
Cat	7437.0	1.03	mg/L	0.033	1.03	mg/L	0.033	3.25%
Cdt	178.0	0.00468	mg/L	0.000330	0.00468	mg/L	0.000330	7.05%
Cot	1464.5	0.0502	mg/L	0.00030	0.0502	mg/L	0.00030	0.59%
Crt	874.9	0.0105	mg/L	0.00024	0.0105	mg/L	0.00024	2.28%
Cut	3942.0	0.0101	mg/L	0.00001	0.0101	mg/L	0.00001	0.09%
Fet	19.1	0.0179	mg/L	0.00113	0.0179	mg/L	0.00113	6.35%
Kt	1441.9	1.13	mg/L	0.098	1.13	mg/L	0.098	8.62%
Mgt	315.5	0.105	mg/L	0.0014	0.105	mg/L	0.0014	1.29%
Mnt	1266.8	0.00215	mg/L	0.000000	0.00215	mg/L	0.000000	0.00%
Mot	274.4	0.0196	mg/L	0.00004	0.0196	mg/L	0.00004	0.21%
Nat	7667.0	2.30	mg/L	0.055	2.30	mg/L	0.055	2.38%
Nit	495.3	0.0199	mg/L	0.00014	0.0199	mg/L	0.00014	0.68%
Pbt	119.2	0.0217	mg/L	0.00095	0.0217	mg/L	0.00095	4.40%
Sbt	81.7	0.0373	mg/L	0.00179	0.0373	mg/L	0.00179	4.82%
Set	131.6	0.0881	mg/L	0.00430	0.0881	mg/L	0.00430	4.88%
Tlt	314.9	0.105	mg/L	0.0007	0.105	mg/L	0.0007	0.66%
Vt	327.7	0.00191	mg/L	0.000031	0.00191	mg/L	0.000031	1.60%
Znt	810.0	0.0151	mg/L	0.00027	0.0151	mg/L	0.00027	1.78%
Alxt	4584.2	47.2	ug/L	0.34	0.0472	mg/L	0.00034	0.72%
Bext	3323.4	1.04	ug/L	0.006	0.00104	mg/L	0.000006	0.53%

Sequence No.: 171
Sample ID: MRL/2 A
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 9/26/2007 03:38:35
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/2 A

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MRL/2 A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	453343.5	96.8	%	2.86				2.95%
Yr	701021.7	92.6	%	0.84				0.91%
Agt	1378.5	0.00485	mg/L	0.000332	0.00485	mg/L	0.000332	6.85%
Alt	80.0	0.0203	mg/L	0.00913	0.0203	mg/L	0.00913	44.90%
Ast	109.2	0.0460	mg/L	0.00037	0.0460	mg/L	0.00037	0.80%
B_t	1794.7	0.0548	mg/L	0.00365	0.0548	mg/L	0.00365	6.65%
Bat	818.2	0.0104	mg/L	0.00052	0.0104	mg/L	0.00052	4.99%
Bet	1707.6	0.00054	mg/L	0.000012	0.00054	mg/L	0.000012	2.28%
Cat	3718.5	0.515	mg/L	0.0228	0.515	mg/L	0.0228	4.43%
Cdt	94.4	0.00252	mg/L	0.000044	0.00252	mg/L	0.000044	1.74%
Cot	744.7	0.0255	mg/L	0.00102	0.0255	mg/L	0.00102	3.99%
Crt	453.9	0.00547	mg/L	0.000404	0.00547	mg/L	0.000404	7.40%
Cut	2081.7	0.00534	mg/L	0.000498	0.00534	mg/L	0.000498	9.34%
Fet	10.5	0.00976	mg/L	0.000283	0.00976	mg/L	0.000283	2.90%
Kt	740.2	0.582	mg/L	0.0372	0.582	mg/L	0.0372	6.38%
Mgt	149.7	0.0498	mg/L	0.00063	0.0498	mg/L	0.00063	1.26%
Mnt	617.9	0.00105	mg/L	0.000078	0.00105	mg/L	0.000078	7.44%
Mot	144.8	0.0103	mg/L	0.00022	0.0103	mg/L	0.00022	2.17%
Nat	5114.0	1.53	mg/L	0.037	1.53	mg/L	0.037	2.40%
Nit	247.7	0.00994	mg/L	0.000666	0.00994	mg/L	0.000666	6.70%
Pbt	60.9	0.0111	mg/L	0.00074	0.0111	mg/L	0.00074	6.64%
Sbt	37.8	0.0172	mg/L	0.00088	0.0172	mg/L	0.00088	5.09%
Set	69.2	0.0464	mg/L	0.00471	0.0464	mg/L	0.00471	10.15%
Tlt	159.1	0.0530	mg/L	0.00112	0.0530	mg/L	0.00112	2.11%
Vt	191.9	0.00111	mg/L	0.000368	0.00111	mg/L	0.000368	33.08%
Znt	416.6	0.00776	mg/L	0.000579	0.00776	mg/L	0.000579	7.47%
Alxt	2271.8	23.4	ug/L	0.39	0.0234	mg/L	0.00039	1.65%
Bext	1707.6	0.537	ug/L	0.0122	0.00054	mg/L	0.000012	2.28%

Sequence No.: 172
Sample ID: MRL/2 B
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Data Collected: 9/26/2007 03:42:20
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/2 B

Analyte	Back Pressure	Flow
All	247.0 kPa	0.65 L/min

Mean Data: MRL/2 B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	461212.6	98.5	%	0.18				0.18%
Yr	688186.1	90.9	%	0.03				0.04%
Agt	1326.7	0.00467	mg/L	0.000282	0.00467	mg/L	0.000282	6.04%
Alt	99.1	0.0252	mg/L	0.00230	0.0252	mg/L	0.00230	9.12%
Ast	104.5	0.0440	mg/L	0.00185	0.0440	mg/L	0.00185	4.20%
B_t	1703.1	0.0520	mg/L	0.00096	0.0520	mg/L	0.00096	1.84%
Bat	799.3	0.0101	mg/L	0.00003	0.0101	mg/L	0.00003	0.34%
Bet	1854.7	0.00058	mg/L	0.000044	0.00058	mg/L	0.000044	7.63%
Cat	3965.1	0.549	mg/L	0.0122	0.549	mg/L	0.0122	2.22%
Cdt	87.1	0.00230	mg/L	0.000030	0.00230	mg/L	0.000030	1.28%
Cot	726.7	0.0249	mg/L	0.00017	0.0249	mg/L	0.00017	0.68%
Crt	427.9	0.00515	mg/L	0.000108	0.00515	mg/L	0.000108	2.10%
Cut	2017.0	0.00517	mg/L	0.000008	0.00517	mg/L	0.000008	0.16%
Fet	10.2	0.00951	mg/L	0.000301	0.00951	mg/L	0.000301	3.16%
Kt	757.3	0.596	mg/L	0.0372	0.596	mg/L	0.0372	6.25%
Mgt	158.6	0.0528	mg/L	0.00082	0.0528	mg/L	0.00082	1.55%
Mnt	595.9	0.00101	mg/L	0.000008	0.00101	mg/L	0.000008	0.75%
Mot	139.3	0.00992	mg/L	0.000146	0.00992	mg/L	0.000146	1.48%
Nat	5403.7	1.62	mg/L	0.024	1.62	mg/L	0.024	1.49%
Nit	240.1	0.00963	mg/L	0.000240	0.00963	mg/L	0.000240	2.49%
Pbt	57.9	0.0105	mg/L	0.00191	0.0105	mg/L	0.00191	18.14%
Sbt	37.9	0.0173	mg/L	0.00346	0.0173	mg/L	0.00346	20.02%
Set	67.8	0.0454	mg/L	0.00025	0.0454	mg/L	0.00025	0.55%
Tlt	159.2	0.0530	mg/L	0.00015	0.0530	mg/L	0.00015	0.29%
Vt	153.9	0.00090	mg/L	0.000128	0.00090	mg/L	0.000128	14.22%
Znt	387.3	0.00721	mg/L	0.000237	0.00721	mg/L	0.000237	3.28%
Alxt	2147.9	22.1	ug/L	0.68	0.0221	mg/L	0.00068	3.07%
Bext	1854.7	0.583	ug/L	0.0445	0.00058	mg/L	0.000044	7.63%

Sequence No.: 173
Sample ID: MRL/2 C
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 29
Date Collected: 9/26/2007 03:46:07
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/2 C

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/2 C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	459657.3	98.2	%	0.81				0.82%
Yr	689879.3	91.2	%	0.37				0.40%
Agt	1430.7	0.00504	mg/L	0.000250	0.00504	mg/L	0.000250	4.97%
Alt	93.3	0.0237	mg/L	0.00600	0.0237	mg/L	0.00600	25.27%
Ast	105.9	0.0446	mg/L	0.00041	0.0446	mg/L	0.00041	0.92%
B_t	1636.5	0.0500	mg/L	0.00025	0.0500	mg/L	0.00025	0.50%
Bat	800.0	0.0102	mg/L	0.00022	0.0102	mg/L	0.00022	2.20%
Bet	1799.5	0.00057	mg/L	0.000035	0.00057	mg/L	0.000035	6.24%
Cat	3824.3	0.530	mg/L	0.0028	0.530	mg/L	0.0028	0.52%
Cdt	86.0	0.00225	mg/L	0.000142	0.00225	mg/L	0.000142	6.29%
Cot	722.0	0.0247	mg/L	0.00048	0.0247	mg/L	0.00048	1.95%
Crt	427.9	0.00515	mg/L	0.000126	0.00515	mg/L	0.000126	2.45%
Cut	1966.5	0.00504	mg/L	0.000000	0.00504	mg/L	0.000000	0.01%
Fet	9.6	0.00896	mg/L	0.000420	0.00896	mg/L	0.000420	4.69%
Kt	777.6	0.611	mg/L	0.0091	0.611	mg/L	0.0091	1.49%
Mgt	156.4	0.0520	mg/L	0.00046	0.0520	mg/L	0.00046	0.88%
Mnt	582.9	0.00099	mg/L	0.000005	0.00099	mg/L	0.000005	0.53%
Mot	137.5	0.00980	mg/L	0.000001	0.00980	mg/L	0.000001	0.01%
Nat	4527.8	1.36	mg/L	0.023	1.36	mg/L	0.023	1.72%
Nit	244.3	0.00980	mg/L	0.000149	0.00980	mg/L	0.000149	1.52%
Pbt	62.7	0.0114	mg/L	0.00082	0.0114	mg/L	0.00082	7.15%
Sbt	38.4	0.0175	mg/L	0.00049	0.0175	mg/L	0.00049	2.77%
Set	68.9	0.0461	mg/L	0.00902	0.0461	mg/L	0.00902	19.54%
Tlt	157.3	0.0524	mg/L	0.00240	0.0524	mg/L	0.00240	4.57%
Vt	183.2	0.00106	mg/L	0.000335	0.00106	mg/L	0.000335	31.48%
Znt	361.4	0.00672	mg/L	0.000199	0.00672	mg/L	0.000199	2.97%
Alxt	2100.9	21.7	ug/L	0.05	0.0217	mg/L	0.00005	0.25%
Bext	1799.5	0.566	ug/L	0.0353	0.00057	mg/L	0.000035	6.24%

Sequence No.: 174
Sample ID: MRL/4 A
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 9/26/2007 03:49:53
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/4 A

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/4 A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	454323.8	97.0	%	0.20				0.21%
Yr	688827.4	91.0	%	0.47				0.52%
Agt	785.4	0.00277	mg/L	0.000127	0.00277	mg/L	0.000127	4.58%
Alt	90.1	0.0229	mg/L	0.00220	0.0229	mg/L	0.00220	9.60%
Ast	55.2	0.0232	mg/L	0.00010	0.0232	mg/L	0.00010	0.45%
B_t	1239.6	0.0379	mg/L	0.00044	0.0379	mg/L	0.00044	1.17%
Bat	402.5	0.00511	mg/L	0.000122	0.00511	mg/L	0.000122	2.38%
Bet	890.4	0.00028	mg/L	0.000015	0.00028	mg/L	0.000015	5.50%
Cat	1803.8	0.250	mg/L	0.0065	0.250	mg/L	0.0065	2.59%
Cdt	39.6	0.00099	mg/L	0.000085	0.00099	mg/L	0.000085	8.52%
Cot	368.2	0.0126	mg/L	0.00007	0.0126	mg/L	0.00007	0.52%
Crt	231.5	0.00279	mg/L	0.000109	0.00279	mg/L	0.000109	3.92%
Cut	1155.4	0.00296	mg/L	0.000239	0.00296	mg/L	0.000239	8.09%
Fet	3.5	0.00328	mg/L	0.004874	0.00328	mg/L	0.004874	148.53%
Kt	416.7	0.328	mg/L	0.0649	0.328	mg/L	0.0649	19.82%
Mgt	75.2	0.0250	mg/L	0.00151	0.0250	mg/L	0.00151	6.03%
Mnt	274.4	0.00046	mg/L	0.000013	0.00046	mg/L	0.000013	2.87%
Mot	72.8	0.00519	mg/L	0.000279	0.00519	mg/L	0.000279	5.38%
Nat	2819.3	0.846	mg/L	0.0234	0.846	mg/L	0.0234	2.76%
Nit	131.3	0.00527	mg/L	0.000179	0.00527	mg/L	0.000179	3.40%
Pbt	25.7	0.00467	mg/L	0.000845	0.00467	mg/L	0.000845	18.10%
Sbt	13.1	0.00594	mg/L	0.002339	0.00594	mg/L	0.002339	39.38%
Set	35.9	0.0240	mg/L	0.00287	0.0240	mg/L	0.00287	11.92%
Tlt	77.6	0.0258	mg/L	0.00072	0.0258	mg/L	0.00072	2.77%
Vt	65.1	0.00038	mg/L	0.000363	0.00038	mg/L	0.000363	94.68%
Znt	-50.6	-0.00099	mg/L	0.000089	-0.00099	mg/L	0.000089	9.04%
Alxt	901.7	9.29	ug/L	0.858	0.00929	mg/L	0.000858	9.23%
Bext	890.4	0.280	ug/L	0.0154	0.00028	mg/L	0.000015	5.50%

Sequence No.: 175
Sample ID: MRL/4 B
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 9/26/2007 03:53:40
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/4 B

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/4 B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	456028.5	97.4	%	0.68				0.70%
Yr	683923.0	90.4	%	0.61				0.68%
Agt	714.1	0.00251	mg/L	0.000127	0.00251	mg/L	0.000127	5.05%
Alt	71.9	0.0183	mg/L	0.00379	0.0183	mg/L	0.00379	20.76%
Ast	51.8	0.0218	mg/L	0.00131	0.0218	mg/L	0.00131	6.00%
B_t	1173.3	0.0359	mg/L	0.00063	0.0359	mg/L	0.00063	1.75%
Bat	403.8	0.00513	mg/L	0.000036	0.00513	mg/L	0.000036	0.70%
Bet	1103.1	0.00035	mg/L	0.000009	0.00035	mg/L	0.000009	2.68%
Cat	1901.8	0.263	mg/L	0.0025	0.263	mg/L	0.0025	0.94%
Cdt	43.7	0.00116	mg/L	0.000289	0.00116	mg/L	0.000289	24.91%
Cot	364.5	0.0125	mg/L	0.00014	0.0125	mg/L	0.00014	1.10%
Crt	230.4	0.00277	mg/L	0.000060	0.00277	mg/L	0.000060	2.16%
Cut	976.3	0.00250	mg/L	0.000178	0.00250	mg/L	0.000178	7.12%
Fet	4.3	0.00401	mg/L	0.000340	0.00401	mg/L	0.000340	8.48%
Kt	518.1	0.407	mg/L	0.0453	0.407	mg/L	0.0453	11.11%
Mgt	80.1	0.0267	mg/L	0.00025	0.0267	mg/L	0.00025	0.94%
Mnt	266.7	0.00045	mg/L	0.000019	0.00045	mg/L	0.000019	4.27%
Mot	69.1	0.00492	mg/L	0.000070	0.00492	mg/L	0.000070	1.42%
Nat	2415.0	0.725	mg/L	0.0338	0.725	mg/L	0.0338	4.66%
Nit	119.5	0.00479	mg/L	0.000082	0.00479	mg/L	0.000082	1.71%
Pbt	24.6	0.00447	mg/L	0.000320	0.00447	mg/L	0.000320	7.15%
Sbt	18.2	0.00831	mg/L	0.000108	0.00831	mg/L	0.000108	1.31%
Set	31.2	0.0209	mg/L	0.00480	0.0209	mg/L	0.00480	23.01%
Tlt	72.1	0.0240	mg/L	0.00066	0.0240	mg/L	0.00066	2.77%
Vt	111.3	0.00064	mg/L	0.000031	0.00064	mg/L	0.000031	4.87%
Znt	-63.9	-0.00123	mg/L	0.000166	-0.00123	mg/L	0.000166	13.51%
Alxt	929.6	9.58	ug/L	0.353	0.00958	mg/L	0.000353	3.68%
Bext	1103.1	0.347	ug/L	0.0093	0.00035	mg/L	0.000009	2.68%

Sequence No.: 176
Sample ID: MRL/4 C
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 32
Date Collected: 9/26/2007 03:58:41
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/4 C

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: MRL/4 C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	457353.8	97.7	%	0.53				0.54%
Yr	679745.9	89.8	%	1.27				1.42%
Agt	683.4	0.00241	mg/L	0.000014	0.00241	mg/L	0.000014	0.59%
Alt	33.6	0.00855	mg/L	0.009717	0.00855	mg/L	0.009717	113.65%
Ast	52.4	0.0221	mg/L	0.00093	0.0221	mg/L	0.00093	4.22%
B_t	1130.5	0.0346	mg/L	0.00011	0.0346	mg/L	0.00011	0.31%
Bat	406.2	0.00516	mg/L	0.000128	0.00516	mg/L	0.000128	2.49%
Bet	982.5	0.00031	mg/L	0.000010	0.00031	mg/L	0.000010	3.18%
Cat	1949.4	0.270	mg/L	0.0117	0.270	mg/L	0.0117	4.34%
Cdt	43.1	0.00113	mg/L	0.000016	0.00113	mg/L	0.000016	1.38%
Cot	364.0	0.0125	mg/L	0.00014	0.0125	mg/L	0.00014	1.12%
Crt	223.3	0.00269	mg/L	0.000192	0.00269	mg/L	0.000192	7.12%
Cut	1017.3	0.00261	mg/L	0.000098	0.00261	mg/L	0.000098	3.74%
Fet	6.3	0.00588	mg/L	0.000748	0.00588	mg/L	0.000748	12.72%
Kt	410.3	0.323	mg/L	0.0628	0.323	mg/L	0.0628	19.46%
Mgt	74.0	0.0246	mg/L	0.00083	0.0246	mg/L	0.00083	3.36%
Mnt	273.4	0.00046	mg/L	0.000003	0.00046	mg/L	0.000003	0.65%
Mot	69.5	0.00495	mg/L	0.000151	0.00495	mg/L	0.000151	3.05%
Nat	2316.9	0.695	mg/L	0.0125	0.695	mg/L	0.0125	1.80%
Nit	117.4	0.00471	mg/L	0.000324	0.00471	mg/L	0.000324	6.87%
Pbt	27.0	0.00492	mg/L	0.001004	0.00492	mg/L	0.001004	20.41%
Sbt	15.6	0.00712	mg/L	0.002549	0.00712	mg/L	0.002549	35.81%
Set	27.2	0.0182	mg/L	0.00409	0.0182	mg/L	0.00409	22.45%
Tlt	79.4	0.0264	mg/L	0.00039	0.0264	mg/L	0.00039	1.47%
Vt	71.8	0.00042	mg/L	0.000206	0.00042	mg/L	0.000206	49.09%
Znt	-64.2	-0.00124	mg/L	0.000106	-0.00124	mg/L	0.000106	8.59%
Alxt	936.3	9.65	ug/L	0.433	0.00965	mg/L	0.000433	4.49%
Bext	982.5	0.309	ug/L	0.0098	0.00031	mg/L	0.000010	3.18%

Sequence No.: 177
Sample ID: MRL/5 A
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 9/26/2007 04:03:03
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/5 A

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/5 A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	454199.1	97.0	%	1.78				1.83%
Yr	689962.7	91.2	%	0.59				0.65%
Agt	687.0	0.00242	mg/L	0.000032	0.00242	mg/L	0.000032	1.32%
Alt	11.7	0.00298	mg/L	0.000391	0.00298	mg/L	0.000391	13.10%
Ast	43.0	0.0181	mg/L	0.00015	0.0181	mg/L	0.00015	0.83%
B_t	1006.5	0.0308	mg/L	0.00072	0.0308	mg/L	0.00072	2.34%
Bat	319.3	0.00405	mg/L	0.000151	0.00405	mg/L	0.000151	3.73%
Bet	874.9	0.00027	mg/L	0.000003	0.00027	mg/L	0.000003	1.15%
Cat	1494.4	0.207	mg/L	0.0074	0.207	mg/L	0.0074	3.59%
Cdt	31.4	0.00079	mg/L	0.000035	0.00079	mg/L	0.000035	4.36%
Cot	286.0	0.00980	mg/L	0.000090	0.00980	mg/L	0.000090	0.92%
Crt	178.3	0.00215	mg/L	0.000218	0.00215	mg/L	0.000218	10.14%
Cut	795.0	0.00204	mg/L	0.000079	0.00204	mg/L	0.000079	3.86%
Fet	1.7	0.00161	mg/L	0.000658	0.00161	mg/L	0.000658	40.85%
Kt	380.0	0.299	mg/L	0.0520	0.299	mg/L	0.0520	17.40%
Mgt	57.6	0.0192	mg/L	0.00032	0.0192	mg/L	0.00032	1.68%
Mnt	216.2	0.00037	mg/L	0.000016	0.00037	mg/L	0.000016	4.26%
Mot	53.9	0.00384	mg/L	0.000100	0.00384	mg/L	0.000100	2.61%
Nat	2107.3	0.632	mg/L	0.1122	0.632	mg/L	0.1122	17.73%
Nit	91.4	0.00367	mg/L	0.000017	0.00367	mg/L	0.000017	0.47%
Pbt	12.8	0.00233	mg/L	0.000366	0.00233	mg/L	0.000366	15.69%
Sbt	10.7	0.00488	mg/L	0.001879	0.00488	mg/L	0.001879	38.54%
Set	20.1	0.0135	mg/L	0.00302	0.0135	mg/L	0.00302	22.38%
Tlt	64.1	0.0213	mg/L	0.00060	0.0213	mg/L	0.00060	2.81%
Vt	30.4	0.00018	mg/L	0.000184	0.00018	mg/L	0.000184	100.37%
Znt	-100.1	-0.00190	mg/L	0.000054	-0.00190	mg/L	0.000054	2.84%
Alxt	706.5	7.28	ug/L	0.035	0.00728	mg/L	0.000035	0.48%
Bext	874.9	0.275	ug/L	0.0032	0.00027	mg/L	0.000003	1.15%

Sequence No.: 178
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 04:07:14
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	425404.6	90.9	%	0.54				0.59%
Yr	641032.0	84.7	%	0.38				0.45%
Agt	268689.2	0.946	mg/L	0.0022	0.946	mg/L	0.0022	0.23%
QC value within limits for Ag Recovery = 94.61%								
Alt	19754.7	5.02	mg/L	0.075	5.02	mg/L	0.075	1.50%
QC value within limits for Al Recovery = 100.44%								
Ast	10665.9	4.49	mg/L	0.002	4.49	mg/L	0.002	0.04%
QC value less than the lower limit for As Recovery = 89.81%								
B_t	76920.6	2.34	mg/L	0.011	2.34	mg/L	0.011	0.45%
QC value within limits for B_ Recovery = 93.71%								
Bat	386801.3	4.91	mg/L	0.014	4.91	mg/L	0.014	0.28%
QC value within limits for Ba Recovery = 98.21%								
Bet	6252794.7	1.97	mg/L	0.012	1.97	mg/L	0.012	0.63%
QC value within limits for Be Recovery = 98.27%								
Cat	353498.0	49.0	mg/L	0.10	49.0	mg/L	0.10	0.21%
QC value within limits for Ca Recovery = 97.95%								
Cdt	72044.4	2.40	mg/L	0.008	2.40	mg/L	0.008	0.33%
QC value within limits for Cd Recovery = 95.96%								
Cot	143527.0	4.92	mg/L	0.014	4.92	mg/L	0.014	0.29%
QC value within limits for Co Recovery = 98.33%								
Crt	407672.8	4.91	mg/L	0.008	4.91	mg/L	0.008	0.16%
QC value within limits for Cr Recovery = 98.17%								
Cut	1827907.1	4.67	mg/L	0.021	4.67	mg/L	0.021	0.45%
QC value within limits for Cu Recovery = 93.38%								
Fet	5306.4	4.95	mg/L	0.052	4.95	mg/L	0.052	1.05%
QC value within limits for Fe Recovery = 99.08%								
Kt	61281.8	48.2	mg/L	0.17	48.2	mg/L	0.17	0.36%
QC value within limits for K Recovery = 96.38%								
Mgt	150611.3	50.1	mg/L	0.13	50.1	mg/L	0.13	0.26%
QC value within limits for Mg Recovery = 100.24%								
Mnt	2926640.7	4.96	mg/L	0.005	4.96	mg/L	0.005	0.11%
QC value within limits for Mn Recovery = 99.14%								
Mot	67038.4	4.78	mg/L	0.007	4.78	mg/L	0.007	0.14%
QC value within limits for Mo Recovery = 95.54%								
Nat	158300.1	47.5	mg/L	0.04	47.5	mg/L	0.04	0.09%
QC value within limits for Na Recovery = 95.01%								
Nit	123739.3	4.96	mg/L	0.012	4.96	mg/L	0.012	0.25%
QC value within limits for Ni Recovery = 99.27%								
Pbt	27277.3	4.96	mg/L	0.025	4.96	mg/L	0.025	0.49%
QC value within limits for Pb Recovery = 99.28%								
Sbt	10091.4	4.55	mg/L	0.002	4.55	mg/L	0.002	0.04%
QC value within limits for Sb Recovery = 91.03%								
Set	7008.5	4.70	mg/L	0.016	4.70	mg/L	0.016	0.35%
QC value within limits for Se Recovery = 94.01%								
Tlt	15106.2	5.04	mg/L	0.000	5.04	mg/L	0.000	0.01%
QC value within limits for Tl Recovery = 100.86%								
Vt	860192.8	4.88	mg/L	0.006	4.88	mg/L	0.006	0.13%
QC value within limits for V Recovery = 97.68%								
Znt	261774.8	4.88	mg/L	0.007	4.88	mg/L	0.007	0.14%
QC value within limits for Zn Recovery = 97.67%								
Alxt	480572.4	4950	ug/L	4.8	4.95	mg/L	0.005	0.10%
QC value within limits for Alx Recovery = 99.06%								
Bext	6252794.7	1970	ug/L	12.3	1.97	mg/L	0.012	0.63%
QC value within limits for Bex Recovery = 98.27%								

QC failed. Retry.

Sequence No.: 179
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 04:08:55
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	430819.0	92.0	%	0.21				0.23%
Yr	654861.5	86.5	%	0.67				0.77%
Agt	267883.2	0.943	mg/L	0.0004	0.943	mg/L	0.0004	0.04%
QC value within limits for Ag Recovery = 94.32%								
Alt	19442.4	4.94	mg/L	0.071	4.94	mg/L	0.071	1.44%
QC value within limits for Al Recovery = 98.85%								
Ast	10562.5	4.45	mg/L	0.080	4.45	mg/L	0.080	1.80%
QC value less than the lower limit for As Recovery = 88.94%								
B_t	77399.4	2.36	mg/L	0.000	2.36	mg/L	0.000	0.01%
QC value within limits for B_ Recovery = 94.30%								
Bat	387366.6	4.92	mg/L	0.002	4.92	mg/L	0.002	0.05%
QC value within limits for Ba Recovery = 98.35%								
Bet	6155094.4	1.93	mg/L	0.010	1.93	mg/L	0.010	0.53%
QC value within limits for Be Recovery = 96.73%								
Cat	350531.3	48.6	mg/L	0.04	48.6	mg/L	0.04	0.08%
QC value within limits for Ca Recovery = 97.13%								
Cdt	71080.4	2.37	mg/L	0.027	2.37	mg/L	0.027	1.13%
QC value within limits for Cd Recovery = 94.67%								
Cot	143583.6	4.92	mg/L	0.012	4.92	mg/L	0.012	0.24%
QC value within limits for Co Recovery = 98.37%								
Crt	405048.4	4.88	mg/L	0.006	4.88	mg/L	0.006	0.12%
QC value within limits for Cr Recovery = 97.54%								
Cut	1836552.9	4.69	mg/L	0.004	4.69	mg/L	0.004	0.09%
QC value within limits for Cu Recovery = 93.82%								
Fet	5211.7	4.87	mg/L	0.065	4.87	mg/L	0.065	1.33%
QC value within limits for Fe Recovery = 97.31%								
Kt	60947.3	47.9	mg/L	0.09	47.9	mg/L	0.09	0.20%
QC value within limits for K Recovery = 95.85%								
Mgt	149300.7	49.7	mg/L	0.04	49.7	mg/L	0.04	0.08%
QC value within limits for Mg Recovery = 99.37%								
Mnt	2926534.6	4.96	mg/L	0.005	4.96	mg/L	0.005	0.11%
QC value within limits for Mn Recovery = 99.13%								
Mot	66322.7	4.73	mg/L	0.064	4.73	mg/L	0.064	1.36%
QC value within limits for Mo Recovery = 94.52%								
Nat	157573.0	47.3	mg/L	0.08	47.3	mg/L	0.08	0.16%
QC value within limits for Na Recovery = 94.58%								
Nit	123060.5	4.94	mg/L	0.006	4.94	mg/L	0.006	0.12%
QC value within limits for Ni Recovery = 98.73%								
Pbt	26921.2	4.90	mg/L	0.063	4.90	mg/L	0.063	1.29%
QC value within limits for Pb Recovery = 97.99%								
Sbt	9978.0	4.50	mg/L	0.082	4.50	mg/L	0.082	1.82%
QC value within limits for Sb Recovery = 90.00%								
Set	7024.7	4.71	mg/L	0.089	4.71	mg/L	0.089	1.88%
QC value within limits for Se Recovery = 94.23%								
Tlt	14994.6	5.01	mg/L	0.049	5.01	mg/L	0.049	0.98%
QC value within limits for Tl Recovery = 100.12%								
Vt	856701.1	4.86	mg/L	0.002	4.86	mg/L	0.002	0.05%
QC value within limits for V Recovery = 97.29%								
Znt	261310.5	4.87	mg/L	0.004	4.87	mg/L	0.004	0.09%
QC value within limits for Zn Recovery = 97.49%								
Alxt	484571.8	4990	ug/L	4.1	4.99	mg/L	0.004	0.08%
QC value within limits for Alx Recovery = 99.88%								
Bext	6155094.4	1930	ug/L	10.2	1.93	mg/L	0.010	0.53%

QC value within limits for Bex Recovery = 96.73%
QC Failed. Retry.

Sequence No.: 180
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 04:10:40
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	429517.3	91.7	%	0.28				0.30%
Yr	651550.2	86.1	%	0.08				0.09%
Agt	267577.0	0.942	mg/L	0.0021	0.942	mg/L	0.0021	0.22%
QC value within limits for Ag Recovery = 94.21%								
Alt	19614.3	4.99	mg/L	0.037	4.99	mg/L	0.037	0.73%
QC value within limits for Al Recovery = 99.72%								
Ast	10750.3	4.53	mg/L	0.025	4.53	mg/L	0.025	0.54%
QC value within limits for As Recovery = 90.52%								
B_t	77634.0	2.36	mg/L	0.007	2.36	mg/L	0.007	0.30%
QC value within limits for B_ Recovery = 94.59%								
Bat	386479.9	4.91	mg/L	0.008	4.91	mg/L	0.008	0.16%
QC value within limits for Ba Recovery = 98.12%								
Bet	6181073.0	1.94	mg/L	0.012	1.94	mg/L	0.012	0.62%
QC value within limits for Be Recovery = 97.14%								
Cat	351177.9	48.7	mg/L	0.04	48.7	mg/L	0.04	0.08%
QC value within limits for Ca Recovery = 97.31%								
Cdt	72121.5	2.40	mg/L	0.008	2.40	mg/L	0.008	0.34%
QC value within limits for Cd Recovery = 96.04%								
Cot	143245.2	4.91	mg/L	0.008	4.91	mg/L	0.008	0.16%
QC value within limits for Co Recovery = 98.13%								
Crt	404493.6	4.87	mg/L	0.009	4.87	mg/L	0.009	0.19%
QC value within limits for Cr Recovery = 97.40%								
Cut	1829635.2	4.67	mg/L	0.003	4.67	mg/L	0.003	0.06%
QC value within limits for Cu Recovery = 93.47%								
Fet	5261.5	4.91	mg/L	0.043	4.91	mg/L	0.043	0.87%
QC value within limits for Fe Recovery = 98.24%								
Kt	61024.7	48.0	mg/L	0.11	48.0	mg/L	0.11	0.23%
QC value within limits for K Recovery = 95.98%								
Mgt	149248.6	49.7	mg/L	0.11	49.7	mg/L	0.11	0.23%
QC value within limits for Mg Recovery = 99.34%								
Mnt	2923201.8	4.95	mg/L	0.005	4.95	mg/L	0.005	0.10%
QC value within limits for Mn Recovery = 99.02%								
Mot	67396.7	4.80	mg/L	0.002	4.80	mg/L	0.002	0.05%
QC value within limits for Mo Recovery = 96.05%								
Nat	156723.0	47.0	mg/L	0.01	47.0	mg/L	0.01	0.01%
QC value within limits for Na Recovery = 94.07%								
Nit	122652.3	4.92	mg/L	0.010	4.92	mg/L	0.010	0.21%
QC value within limits for Ni Recovery = 98.40%								
Pbt	27395.9	4.99	mg/L	0.007	4.99	mg/L	0.007	0.15%
QC value within limits for Pb Recovery = 99.71%								
Sbt	10115.7	4.56	mg/L	0.031	4.56	mg/L	0.031	0.68%
QC value within limits for Sb Recovery = 91.27%								
Set	7080.8	4.75	mg/L	0.010	4.75	mg/L	0.010	0.21%
QC value within limits for Se Recovery = 94.98%								
Tlt	15110.7	5.04	mg/L	0.038	5.04	mg/L	0.038	0.75%
QC value within limits for Tl Recovery = 100.89%								
Vt	854152.7	4.85	mg/L	0.008	4.85	mg/L	0.008	0.17%
QC value within limits for V Recovery = 97.00%								
Znt	260672.7	4.86	mg/L	0.001	4.86	mg/L	0.001	0.01%
QC value within limits for Zn Recovery = 97.26%								
Alxt	482743.8	4980	ug/L	18.0	4.98	mg/L	0.018	0.36%
QC value within limits for Alx Recovery = 99.50%								

Bex†	6181073.0	1940 ug/L	12.1	1.94 mg/L	0.012	0.62%

QC value within limits for Bex Recovery = 97.14%
All analyte(s) passed QC.

Sequence No.: 181
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 04:14:00
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	471256.6	101	%	6.8				6.73%
Yr	678248.7	89.6	%	0.65				0.73%
Ag†	-22.0	-0.00008	mg/L	0.000005	-0.00008	mg/L	0.000005	7.01%
QC value within limits for Ag	Recovery = Not calculated							
Al†	8.0	0.00203	mg/L	0.006636	0.00203	mg/L	0.006636	327.70%
QC value within limits for Al	Recovery = Not calculated							
As†	47.3	0.0199	mg/L	0.00029	0.0199	mg/L	0.00029	1.45%
QC value within limits for As	Recovery = Not calculated							
B_†	1183.8	0.0362	mg/L	0.00113	0.0362	mg/L	0.00113	3.13%
QC value greater than the upper limit for B_	Recovery = Not calculated							
Ba†	7.6	0.00010	mg/L	0.000111	0.00010	mg/L	0.000111	114.12%
QC value within limits for Ba	Recovery = Not calculated							
Be†	635.2	0.00020	mg/L	0.000091	0.00020	mg/L	0.000091	45.57%
QC value within limits for Be	Recovery = Not calculated							
Ca†	20.3	0.00281	mg/L	0.000076	0.00281	mg/L	0.000076	2.70%
QC value within limits for Ca	Recovery = Not calculated							
Cd†	10.7	0.00002	mg/L	0.000363	0.00002	mg/L	0.000363	>999.9%
QC value within limits for Cd	Recovery = Not calculated							
Co†	2.2	0.00008	mg/L	0.000175	0.00008	mg/L	0.000175	227.14%
QC value within limits for Co	Recovery = Not calculated							
Cr†	41.7	0.00050	mg/L	0.000386	0.00050	mg/L	0.000386	76.84%
QC value within limits for Cr	Recovery = Not calculated							
Cu†	-61.9	-0.00016	mg/L	0.000571	-0.00016	mg/L	0.000571	361.77%
QC value within limits for Cu	Recovery = Not calculated							
Fe†	1.3	0.00121	mg/L	0.001553	0.00121	mg/L	0.001553	128.21%
QC value within limits for Fe	Recovery = Not calculated							
K†	108.4	0.0852	mg/L	0.01041	0.0852	mg/L	0.01041	12.21%
QC value within limits for K	Recovery = Not calculated							
Mg†	2.3	0.00077	mg/L	0.000088	0.00077	mg/L	0.000088	11.38%
QC value within limits for Mg	Recovery = Not calculated							
Mn†	36.5	0.00006	mg/L	0.000028	0.00006	mg/L	0.000028	44.47%
QC value within limits for Mn	Recovery = Not calculated							
Mo†	54.2	0.00386	mg/L	0.000297	0.00386	mg/L	0.000297	7.68%
QC value within limits for Mo	Recovery = Not calculated							
Na†	226.6	0.0680	mg/L	0.00962	0.0680	mg/L	0.00962	14.15%
QC value within limits for Na	Recovery = Not calculated							
Ni†	1.2	0.00005	mg/L	0.000568	0.00005	mg/L	0.000568	>999.9%
QC value within limits for Ni	Recovery = Not calculated							
Pb†	4.5	0.00082	mg/L	0.000517	0.00082	mg/L	0.000517	63.22%
QC value within limits for Pb	Recovery = Not calculated							
Sb†	8.6	0.00395	mg/L	0.001812	0.00395	mg/L	0.001812	45.82%
QC value within limits for Sb	Recovery = Not calculated							
Se†	5.7	0.00382	mg/L	0.000484	0.00382	mg/L	0.000484	12.66%
QC value within limits for Se	Recovery = Not calculated							
Tl†	6.6	0.00221	mg/L	0.002436	0.00221	mg/L	0.002436	110.06%
QC value within limits for Tl	Recovery = Not calculated							
V†	21.3	0.00012	mg/L	0.000077	0.00012	mg/L	0.000077	62.37%
QC value within limits for V	Recovery = Not calculated							
Zn†	-320.2	-0.00601	mg/L	0.000221	-0.00601	mg/L	0.000221	3.68%
QC value within limits for Zn	Recovery = Not calculated							
Alx†	-145.7	-1.50	ug/L	0.812	-0.00150	mg/L	0.000812	54.09%
QC value within limits for Alx	Recovery = Not calculated							
Bex†	635.2	0.200	ug/L	0.0910	0.00020	mg/L	0.000091	45.57%
QC value within limits for Bex	Recovery = Not calculated							

QC Failed. Retry.

Sequence No.: 182
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 04:16:52
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	449435.4	96.0	%	1.70				1.77%
Yr	683509.6	90.3	%	1.77				1.96%
Agf	-68.7	-0.00024	mg/L	0.000295	-0.00024	mg/L	0.000295	122.07%
QC value within limits for Ag	Recovery = Not calculated							
Alf	21.1	0.00537	mg/L	0.001534	0.00537	mg/L	0.001534	28.57%
QC value within limits for Al	Recovery = Not calculated							
Asf	29.4	0.0124	mg/L	0.00023	0.0124	mg/L	0.00023	1.85%
QC value within limits for As	Recovery = Not calculated							
B_f	1006.7	0.0308	mg/L	0.00039	0.0308	mg/L	0.00039	1.26%
QC value greater than the upper limit for B_	Recovery = Not calculated							
Baf	6.1	0.00008	mg/L	0.000124	0.00008	mg/L	0.000124	159.20%
QC value within limits for Ba	Recovery = Not calculated							
Bef	434.5	0.00014	mg/L	0.000045	0.00014	mg/L	0.000045	32.75%
QC value within limits for Be	Recovery = Not calculated							
Caf	1.0	0.00014	mg/L	0.000273	0.00014	mg/L	0.000273	189.04%
QC value within limits for Ca	Recovery = Not calculated							
Cdf	7.4	0.00004	mg/L	0.000039	0.00004	mg/L	0.000039	109.01%
QC value within limits for Cd	Recovery = Not calculated							
Cof	-2.8	-0.00010	mg/L	0.000008	-0.00010	mg/L	0.000008	8.86%
QC value within limits for Co	Recovery = Not calculated							
Crf	37.1	0.00045	mg/L	0.000123	0.00045	mg/L	0.000123	27.61%
QC value within limits for Cr	Recovery = Not calculated							
Cuf	-32.7	-0.00008	mg/L	0.000090	-0.00008	mg/L	0.000090	107.66%
QC value within limits for Cu	Recovery = Not calculated							
Fef	-2.5	-0.00237	mg/L	0.001927	-0.00237	mg/L	0.001927	81.47%
QC value within limits for Fe	Recovery = Not calculated							
Kf	81.9	0.0644	mg/L	0.00728	0.0644	mg/L	0.00728	11.30%
QC value within limits for K	Recovery = Not calculated							
Mgf	6.4	0.00212	mg/L	0.000920	0.00212	mg/L	0.000920	43.36%
QC value within limits for Mg	Recovery = Not calculated							
Mnf	-5.3	-0.00001	mg/L	0.000009	-0.00001	mg/L	0.000009	94.22%
QC value within limits for Mn	Recovery = Not calculated							
Mof	27.2	0.00194	mg/L	0.000100	0.00194	mg/L	0.000100	5.15%
QC value within limits for Mo	Recovery = Not calculated							
Naf	216.0	0.0648	mg/L	0.02962	0.0648	mg/L	0.02962	45.70%
QC value within limits for Na	Recovery = Not calculated							
Nif	-4.5	-0.00018	mg/L	0.000451	-0.00018	mg/L	0.000451	247.46%
QC value within limits for Ni	Recovery = Not calculated							
Pbf	4.9	0.00090	mg/L	0.001743	0.00090	mg/L	0.001743	193.95%
QC value within limits for Pb	Recovery = Not calculated							
Sbf	6.2	0.00285	mg/L	0.003288	0.00285	mg/L	0.003288	115.47%
QC value within limits for Sb	Recovery = Not calculated							
Sef	-3.9	-0.00260	mg/L	0.005430	-0.00260	mg/L	0.005430	209.03%
QC value within limits for Se	Recovery = Not calculated							
Tlf	6.2	0.00206	mg/L	0.001352	0.00206	mg/L	0.001352	65.49%
QC value within limits for Tl	Recovery = Not calculated							
Vf	51.8	0.00030	mg/L	0.000398	0.00030	mg/L	0.000398	134.80%
QC value within limits for V	Recovery = Not calculated							
Znf	-313.7	-0.00589	mg/L	0.000210	-0.00589	mg/L	0.000210	3.57%
QC value within limits for Zn	Recovery = Not calculated							
Alxf	-52.3	-0.539	ug/L	1.0287	-0.00054	mg/L	0.001029	190.90%
QC value within limits for Alx	Recovery = Not calculated							
Bexf	434.5	0.137	ug/L	0.0447	0.00014	mg/L	0.000045	32.75%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Retry.

Sequence No.: 183
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 04:19:41
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sca	453065.0	96.8	%	1.87				1.93%
Yr	687626.2	90.9	%	1.44				1.58%
Agt	-45.3	-0.00016	mg/L	0.000163	-0.00016	mg/L	0.000163	102.27%
QC value within limits for Ag Recovery = Not calculated								
Alt	1.8	0.00045	mg/L	0.004170	0.00045	mg/L	0.004170	930.91%
QC value within limits for Al Recovery = Not calculated								
Ast	20.0	0.00840	mg/L	0.000424	0.00840	mg/L	0.000424	5.05%
QC value within limits for As Recovery = Not calculated								
B_t	859.8	0.0263	mg/L	0.00133	0.0263	mg/L	0.00133	5.04%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Bat	8.4	0.00011	mg/L	0.000001	0.00011	mg/L	0.000001	0.54%
QC value within limits for Ba Recovery = Not calculated								
Bet	402.7	0.00013	mg/L	0.000001	0.00013	mg/L	0.000001	0.63%
QC value within limits for Be Recovery = Not calculated								
Cat	12.5	0.00173	mg/L	0.000492	0.00173	mg/L	0.000492	28.35%
QC value within limits for Ca Recovery = Not calculated								
Cdt	0.6	-0.00013	mg/L	0.000067	-0.00013	mg/L	0.000067	53.03%
QC value within limits for Cd Recovery = Not calculated								
Cot	0.3	0.00001	mg/L	0.000080	0.00001	mg/L	0.000080	758.72%
QC value within limits for Co Recovery = Not calculated								
Crt	38.6	0.00046	mg/L	0.000061	0.00046	mg/L	0.000061	13.13%
QC value within limits for Cr Recovery = Not calculated								
Cut	-145.4	-0.00037	mg/L	0.000202	-0.00037	mg/L	0.000202	54.32%
QC value within limits for Cu Recovery = Not calculated								
Fet	0.7	0.00069	mg/L	0.003752	0.00069	mg/L	0.003752	542.03%
QC value within limits for Fe Recovery = Not calculated								
Kt	30.4	0.0239	mg/L	0.03333	0.0239	mg/L	0.03333	139.34%
QC value within limits for K Recovery = Not calculated								
Mgt	-4.7	-0.00157	mg/L	0.001992	-0.00157	mg/L	0.001992	126.63%
QC value within limits for Mg Recovery = Not calculated								
Mnt	-4.0	-0.00001	mg/L	0.000005	-0.00001	mg/L	0.000005	76.11%
QC value within limits for Mn Recovery = Not calculated								
Mot	17.6	0.00125	mg/L	0.000094	0.00125	mg/L	0.000094	7.53%
QC value within limits for Mo Recovery = Not calculated								
Nat	169.1	0.0508	mg/L	0.00112	0.0508	mg/L	0.00112	2.21%
QC value within limits for Na Recovery = Not calculated								
Nit	1.9	0.00008	mg/L	0.000237	0.00008	mg/L	0.000237	308.69%
QC value within limits for Ni Recovery = Not calculated								
Pbt	-2.1	-0.00039	mg/L	0.000112	-0.00039	mg/L	0.000112	28.64%
QC value within limits for Pb Recovery = Not calculated								
Sbt	2.5	0.00113	mg/L	0.002559	0.00113	mg/L	0.002559	226.74%
QC value within limits for Sb Recovery = Not calculated								
Set	-4.8	-0.00322	mg/L	0.002779	-0.00322	mg/L	0.002779	86.22%
QC value within limits for Se Recovery = Not calculated								
Tlt	2.8	0.00092	mg/L	0.000796	0.00092	mg/L	0.000796	86.45%
QC value within limits for Tl Recovery = Not calculated								
Vt	-16.4	-0.00009	mg/L	0.000358	-0.00009	mg/L	0.000358	396.84%
QC value within limits for V Recovery = Not calculated								
Znt	-322.3	-0.00605	mg/L	0.000050	-0.00605	mg/L	0.000050	0.83%
QC value within limits for Zn Recovery = Not calculated								
Alxt	-174.7	-1.80	ug/L	0.187	-0.00180	mg/L	0.000187	10.41%
QC value within limits for Alx Recovery = Not calculated								

Bext	402.7	0.127 ug/L	0.0008	0.00013 mg/L	0.000001	0.63%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 184
Sample ID: MRL/5 B
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 34
Date Collected: 9/26/2007 04:23:21
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/5 B

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/5 B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	452167.8	96.6	%	0.43				0.45%
Yr	685930.3	90.6	%	1.96				2.16%
Agt	641.1	0.00226	mg/L	0.000284	0.00226	mg/L	0.000284	12.56%
Alt	75.6	0.0192	mg/L	0.00862	0.0192	mg/L	0.00862	44.84%
Ast	46.6	0.0196	mg/L	0.00040	0.0196	mg/L	0.00040	2.06%
B_t	1065.4	0.0326	mg/L	0.00010	0.0326	mg/L	0.00010	0.30%
Bat	326.7	0.00415	mg/L	0.000027	0.00415	mg/L	0.000027	0.66%
Bet	835.0	0.00026	mg/L	0.000031	0.00026	mg/L	0.000031	11.85%
Cat	1494.1	0.207	mg/L	0.0079	0.207	mg/L	0.0079	3.83%
Cdt	37.8	0.00099	mg/L	0.000104	0.00099	mg/L	0.000104	10.58%
Cot	294.3	0.0101	mg/L	0.00011	0.0101	mg/L	0.00011	1.09%
Crt	193.3	0.00233	mg/L	0.000083	0.00233	mg/L	0.000083	3.56%
Cut	863.1	0.00221	mg/L	0.000141	0.00221	mg/L	0.000141	6.39%
Fet	2.8	0.00265	mg/L	0.003589	0.00265	mg/L	0.003589	135.66%
Kt	316.6	0.249	mg/L	0.0377	0.249	mg/L	0.0377	15.14%
Mgt	57.4	0.0191	mg/L	0.00253	0.0191	mg/L	0.00253	13.23%
Mnt	219.8	0.00037	mg/L	0.000006	0.00037	mg/L	0.000006	1.52%
Mot	63.3	0.00451	mg/L	0.000329	0.00451	mg/L	0.000329	7.30%
Nat	1191.8	0.358	mg/L	0.0082	0.358	mg/L	0.0082	2.30%
Nit	99.0	0.00397	mg/L	0.000016	0.00397	mg/L	0.000016	0.41%
Pbt	22.7	0.00413	mg/L	0.000770	0.00413	mg/L	0.000770	18.62%
Sbt	12.9	0.00588	mg/L	0.001426	0.00588	mg/L	0.001426	24.24%
Set	24.7	0.0165	mg/L	0.00057	0.0165	mg/L	0.00057	3.42%
Tlt	72.1	0.0240	mg/L	0.00075	0.0240	mg/L	0.00075	3.14%
Vt	64.2	0.00038	mg/L	0.000127	0.00038	mg/L	0.000127	33.80%
Znt	-105.0	-0.00200	mg/L	0.000180	-0.00200	mg/L	0.000180	9.02%
Alxt	1122.5	11.6	ug/L	0.07	0.0116	mg/L	0.00007	0.59%
Bext	835.0	0.262	ug/L	0.0311	0.00026	mg/L	0.000031	11.85%

Sequence No.: 185
Sample ID: MRL/5 C
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 35
Date Collected: 9/26/2007 04:27:22
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/5 C

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/5 C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	453920.3	97.0	%	0.88				0.90%
Yr	684703.4	90.5	%	0.47				0.52%
Agt	680.0	0.00239	mg/L	0.000031	0.00239	mg/L	0.000031	1.29%
Alt	53.4	0.0136	mg/L	0.00424	0.0136	mg/L	0.00424	31.22%
Ast	45.0	0.0190	mg/L	0.00233	0.0190	mg/L	0.00233	12.31%
B_t	996.3	0.0305	mg/L	0.00023	0.0305	mg/L	0.00023	0.76%
Bat	316.7	0.00402	mg/L	0.000017	0.00402	mg/L	0.000017	0.42%
Bet	859.3	0.00027	mg/L	0.000024	0.00027	mg/L	0.000024	8.72%
Cat	1513.6	0.210	mg/L	0.0074	0.210	mg/L	0.0074	3.53%
Cdt	36.8	0.00096	mg/L	0.000078	0.00096	mg/L	0.000078	8.10%
Cot	288.1	0.00987	mg/L	0.000013	0.00987	mg/L	0.000013	0.13%
Crt	187.4	0.00226	mg/L	0.000152	0.00226	mg/L	0.000152	6.74%
Cut	826.4	0.00212	mg/L	0.000289	0.00212	mg/L	0.000289	13.64%
Fet	2.4	0.00220	mg/L	0.002973	0.00220	mg/L	0.002973	134.87%
Kt	260.7	0.205	mg/L	0.0088	0.205	mg/L	0.0088	4.30%
Mgt	52.2	0.0174	mg/L	0.00166	0.0174	mg/L	0.00166	9.55%
Mnt	205.1	0.00035	mg/L	0.000008	0.00035	mg/L	0.000008	2.26%
Mot	60.1	0.00428	mg/L	0.000147	0.00428	mg/L	0.000147	3.42%
Nat	1092.8	0.328	mg/L	0.0278	0.328	mg/L	0.0278	8.49%
Nit	88.8	0.00356	mg/L	0.000128	0.00356	mg/L	0.000128	3.59%
Pbt	21.9	0.00398	mg/L	0.000099	0.00398	mg/L	0.000099	2.49%
Sbt	9.3	0.00421	mg/L	0.000486	0.00421	mg/L	0.000486	11.53%
Set	24.9	0.0166	mg/L	0.00482	0.0166	mg/L	0.00482	28.96%
Tlt	74.2	0.0247	mg/L	0.00210	0.0247	mg/L	0.00210	8.51%
Vt	66.5	0.00039	mg/L	0.000113	0.00039	mg/L	0.000113	29.02%
Znt	-111.0	-0.00211	mg/L	0.000000	-0.00211	mg/L	0.000000	0.02%
Alxt	699.0	7.20	ug/L	0.417	0.00720	mg/L	0.000417	5.79%
Bext	859.3	0.270	ug/L	0.0236	0.00027	mg/L	0.000024	8.72%

Sequence No.: 186
Sample ID: MRL/10 A
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 36
Date Collected: 9/26/2007 04:31:14
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/10 A

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/10 A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	453799.5	96.9	%	0.17				0.17%
Yr	681162.6	90.0	%	0.37				0.41%
Agt	425.3	0.00150	mg/L	0.000274	0.00150	mg/L	0.000274	18.33%
Alt	26.4	0.00670	mg/L	0.004633	0.00670	mg/L	0.004633	69.11%
Ast	22.3	0.00937	mg/L	0.000698	0.00937	mg/L	0.000698	7.45%
B_t	814.6	0.0249	mg/L	0.00005	0.0249	mg/L	0.00005	0.22%
Bat	164.3	0.00209	mg/L	0.000032	0.00209	mg/L	0.000032	1.53%
Bet	552.1	0.00017	mg/L	0.000036	0.00017	mg/L	0.000036	20.60%
Cat	922.9	0.128	mg/L	0.0054	0.128	mg/L	0.0054	4.25%
Cdt	14.3	0.00034	mg/L	0.000050	0.00034	mg/L	0.000050	14.62%
Cot	140.6	0.00482	mg/L	0.000012	0.00482	mg/L	0.000012	0.25%
Crt	96.4	0.00116	mg/L	0.000000	0.00116	mg/L	0.000000	0.02%
Cut	461.6	0.00118	mg/L	0.000284	0.00118	mg/L	0.000284	24.03%
Fet	-0.8	-0.00076	mg/L	0.000248	-0.00076	mg/L	0.000248	32.53%
Kt	239.7	0.188	mg/L	0.0409	0.188	mg/L	0.0409	21.72%
Mgt	30.5	0.0101	mg/L	0.00053	0.0101	mg/L	0.00053	5.18%
Mnt	79.9	0.00014	mg/L	0.000019	0.00014	mg/L	0.000019	13.84%
Mot	29.4	0.00210	mg/L	0.000227	0.00210	mg/L	0.000227	10.83%
Nat	1165.0	0.350	mg/L	0.0640	0.350	mg/L	0.0640	18.30%
Nit	54.3	0.00218	mg/L	0.000259	0.00218	mg/L	0.000259	11.88%
Pbt	8.9	0.00161	mg/L	0.000807	0.00161	mg/L	0.000807	49.95%
Sbt	4.6	0.00208	mg/L	0.000934	0.00208	mg/L	0.000934	44.99%
Set	13.6	0.00910	mg/L	0.003391	0.00910	mg/L	0.003391	37.26%
Tlt	36.2	0.0120	mg/L	0.00195	0.0120	mg/L	0.00195	16.20%
Vt	56.3	0.00032	mg/L	0.000037	0.00032	mg/L	0.000037	11.34%
Znt	-111.7	-0.00211	mg/L	0.000069	-0.00211	mg/L	0.000069	3.24%
Alxt	365.6	3.77	ug/L	0.545	0.00377	mg/L	0.000545	14.46%
Bext	552.1	0.174	ug/L	0.0358	0.00017	mg/L	0.000036	20.60%

Sequence No.: 187
Sample ID: MRL/10 B
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 37
Date Collected: 9/26/2007 04:35:06
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/10 B

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/10 B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	461284.3	98.5	%	5.30				5.37%
Yr	675255.5	89.2	%	0.45				0.51%
Agt	464.3	0.00163	mg/L	0.000475	0.00163	mg/L	0.000475	29.05%
Alt	40.6	0.0103	mg/L	0.01243	0.0103	mg/L	0.01243	120.58%
Ast	16.7	0.00702	mg/L	0.000737	0.00702	mg/L	0.000737	10.49%
B_t	742.1	0.0227	mg/L	0.00177	0.0227	mg/L	0.00177	7.79%
Bat	157.8	0.00200	mg/L	0.000104	0.00200	mg/L	0.000104	5.17%
Bet	633.6	0.00020	mg/L	0.000088	0.00020	mg/L	0.000088	44.27%
Cat	937.3	0.130	mg/L	0.0035	0.130	mg/L	0.0035	2.71%
Cdt	16.5	0.00046	mg/L	0.000149	0.00046	mg/L	0.000149	32.41%
Cot	143.9	0.00493	mg/L	0.000275	0.00493	mg/L	0.000275	5.58%
Crt	93.3	0.00112	mg/L	0.000374	0.00112	mg/L	0.000374	33.31%
Cut	374.3	0.00096	mg/L	0.000279	0.00096	mg/L	0.000279	29.03%
Fet	2.0	0.00182	mg/L	0.000835	0.00182	mg/L	0.000835	45.79%
Kt	146.5	0.115	mg/L	0.0316	0.115	mg/L	0.0316	27.40%
Mgt	32.6	0.0108	mg/L	0.00007	0.0108	mg/L	0.00007	0.60%
Mnt	73.5	0.00012	mg/L	0.000008	0.00012	mg/L	0.000008	6.28%
Mot	28.9	0.00206	mg/L	0.000349	0.00206	mg/L	0.000349	16.92%
Nat	1139.5	0.342	mg/L	0.0021	0.342	mg/L	0.0021	0.62%
Nit	47.8	0.00192	mg/L	0.000104	0.00192	mg/L	0.000104	5.41%
Pbt	15.6	0.00283	mg/L	0.000227	0.00283	mg/L	0.000227	8.00%
Sbt	-0.4	-0.00023	mg/L	0.002059	-0.00023	mg/L	0.002059	907.56%
Set	13.1	0.00878	mg/L	0.007602	0.00878	mg/L	0.007602	86.60%
Tlt	33.2	0.0111	mg/L	0.00038	0.0111	mg/L	0.00038	3.43%
Vt	25.1	0.00015	mg/L	0.000168	0.00015	mg/L	0.000168	113.56%
Znt	-117.8	-0.00223	mg/L	0.000272	-0.00223	mg/L	0.000272	12.22%
Alxt	414.4	4.27	ug/L	0.251	0.00427	mg/L	0.000251	5.88%
Bext	633.6	0.199	ug/L	0.0882	0.00020	mg/L	0.000088	44.27%

Sequence No.: 188
Sample ID: MRL/10 C
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 38
Date Collected: 9/26/2007 04:39:16
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MRL/10 C

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: MRL/10 C

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	450215.5	96.2	%	0.20				0.21%
Yr	678014.2	89.6	%	1.22				1.36%
Agt	440.8	0.00155	mg/L	0.000069	0.00155	mg/L	0.000069	4.44%
Alt	-4.8	-0.00122	mg/L	0.008469	-0.00122	mg/L	0.008469	695.12%
Ast	26.0	0.0110	mg/L	0.00069	0.0110	mg/L	0.00069	6.30%
B_t	736.6	0.0225	mg/L	0.00038	0.0225	mg/L	0.00038	1.67%
Bat	165.1	0.00210	mg/L	0.000032	0.00210	mg/L	0.000032	1.50%
Bet	592.2	0.00019	mg/L	0.000008	0.00019	mg/L	0.000008	4.16%
Cat	917.9	0.127	mg/L	0.0007	0.127	mg/L	0.0007	0.54%
Cdt	20.1	0.00052	mg/L	0.000025	0.00052	mg/L	0.000025	4.89%
Cot	148.6	0.00509	mg/L	0.000053	0.00509	mg/L	0.000053	1.05%
Crt	102.2	0.00123	mg/L	0.000025	0.00123	mg/L	0.000025	2.02%
Cut	464.5	0.00119	mg/L	0.000158	0.00119	mg/L	0.000158	13.26%
Fet	-1.6	-0.00154	mg/L	0.000022	-0.00154	mg/L	0.000022	1.42%
Kt	218.0	0.171	mg/L	0.0645	0.171	mg/L	0.0645	37.62%
Mgt	27.2	0.00904	mg/L	0.001391	0.00904	mg/L	0.001391	15.39%
Mnt	71.0	0.00012	mg/L	0.000012	0.00012	mg/L	0.000012	10.21%
Mot	34.7	0.00247	mg/L	0.000180	0.00247	mg/L	0.000180	7.28%
Nat	1055.7	0.317	mg/L	0.0769	0.317	mg/L	0.0769	24.26%
Nit	53.2	0.00213	mg/L	0.000178	0.00213	mg/L	0.000178	8.37%
Pbt	8.7	0.00157	mg/L	0.000323	0.00157	mg/L	0.000323	20.49%
Sbt	3.2	0.00144	mg/L	0.000729	0.00144	mg/L	0.000729	50.60%
Set	11.7	0.00783	mg/L	0.004223	0.00783	mg/L	0.004223	53.91%
Tlt	32.3	0.0108	mg/L	0.00008	0.0108	mg/L	0.00008	0.75%
Vt	9.6	0.00006	mg/L	0.000037	0.00006	mg/L	0.000037	60.35%
Znt	-107.1	-0.00203	mg/L	0.000046	-0.00203	mg/L	0.000046	2.29%
Alxt	365.6	3.77	ug/L	0.251	0.00377	mg/L	0.000251	6.67%
Bext	592.2	0.186	ug/L	0.0077	0.00019	mg/L	0.000008	4.16%

Sequence No.: 189
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 9/26/2007 04:43:37
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	413394.1	88.3	%	0.31				0.35%
Yr	636586.2	84.1	%	0.57				0.68%
Agt	-9954.1	-0.0350	mg/L	0.00065	-0.0350	mg/L	0.00065	1.84%
QC value within limits for Ag	Recovery = Not calculated							
Alt	951176.3	242	mg/L	0.8	242	mg/L	0.8	0.33%
QC value within limits for Al	Recovery = 96.72%							
Ast	-457.5	-0.135	mg/L	0.0017	-0.135	mg/L	0.0017	1.27%
QC value within limits for As	Recovery = Not calculated							
B_t	303.1	0.00927	mg/L	0.000107	0.00927	mg/L	0.000107	1.16%
QC value within limits for B_	Recovery = Not calculated							
Bat	154.6	0.00196	mg/L	0.000185	0.00196	mg/L	0.000185	9.44%
QC value within limits for Ba	Recovery = Not calculated							
Bet	-697.8	-0.00022	mg/L	0.000008	-0.00022	mg/L	0.000008	3.46%
QC value within limits for Be	Recovery = Not calculated							
Cat	1747823.1	242	mg/L	0.2	242	mg/L	0.2	0.08%
QC value within limits for Ca	Recovery = 96.86%							
Cdt	-58.6	0.00136	mg/L	0.000237	0.00136	mg/L	0.000237	17.46%
QC value within limits for Cd	Recovery = Not calculated							
Cot	29.6	0.00101	mg/L	0.000017	0.00101	mg/L	0.000017	1.72%
QC value within limits for Co	Recovery = Not calculated							
Crt	-50.5	-0.00061	mg/L	0.000099	-0.00061	mg/L	0.000099	16.32%
QC value within limits for Cr	Recovery = Not calculated							
Cut	-5141.3	-0.0131	mg/L	0.00025	-0.0131	mg/L	0.00025	1.90%
QC value within limits for Cu	Recovery = Not calculated							
Fet	101726.6	95.0	mg/L	0.66	95.0	mg/L	0.66	0.69%
QC value within limits for Fe	Recovery = 94.97%							
Kt	50.4	0.0396	mg/L	0.04492	0.0396	mg/L	0.04492	113.40%
QC value within limits for K	Recovery = Not calculated							
Mgt	677022.0	225	mg/L	0.1	225	mg/L	0.1	0.06%
QC value within limits for Mg	Recovery = 90.12%							
Mnt	2245.3	0.00380	mg/L	0.000035	0.00380	mg/L	0.000035	0.93%
QC value within limits for Mn	Recovery = Not calculated							
Mot	1.4	0.00010	mg/L	0.000195	0.00010	mg/L	0.000195	198.94%
QC value within limits for Mo	Recovery = Not calculated							
Nat	537.5	0.161	mg/L	0.0318	0.161	mg/L	0.0318	19.73%
QC value within limits for Na	Recovery = Not calculated							
Nit	-31.4	-0.00126	mg/L	0.000801	-0.00126	mg/L	0.000801	63.53%
QC value within limits for Ni	Recovery = Not calculated							
Pbt	-198.7	-0.0362	mg/L	0.00030	-0.0362	mg/L	0.00030	0.82%
QC value within limits for Pb	Recovery = Not calculated							
Sbt	24.2	0.0111	mg/L	0.00176	0.0111	mg/L	0.00176	15.87%
QC value within limits for Sb	Recovery = Not calculated							
Set	-332.7	-0.0378	mg/L	0.00445	-0.0378	mg/L	0.00445	11.77%
QC value within limits for Se	Recovery = Not calculated							
Tlt	65.3	0.0217	mg/L	0.00199	0.0217	mg/L	0.00199	9.17%
QC value within limits for Tl	Recovery = Not calculated							
Vt	-504.2	-0.00285	mg/L	0.000006	-0.00285	mg/L	0.000006	0.22%
QC value within limits for V	Recovery = Not calculated							
Znt	498.7	0.00938	mg/L	0.000355	0.00938	mg/L	0.000355	3.78%
QC value within limits for Zn	Recovery = Not calculated							
Alxt	Saturated2							
Unable to evaluate QC.								
Bext	-697.8	-0.219	ug/L	0.0076	-0.00022	mg/L	0.000008	3.46%
QC value within limits for Bex	Recovery = Not calculated							

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 190
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 9/26/2007 04:47:34
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	408172.4	87.2	%	0.33				0.38%
Yr	633920.1	83.8	%	0.20				0.24%
Ag†	59073.6	0.208	mg/L	0.0857	0.208	mg/L	0.0857	41.18%
QC value less than the lower limit for Ag Recovery = 41.60%								
Al†	955849.8	243	mg/L	0.7	243	mg/L	0.7	0.28%
QC value within limits for Al Recovery = 97.20%								
As†	-468.9	-0.140	mg/L	0.0041	-0.140	mg/L	0.0041	2.89%
QC value less than the lower limit for As Recovery = Not calculated								
B_†	248.3	0.00713	mg/L	0.000184	0.00713	mg/L	0.000184	2.58%
QC value within limits for B_ Recovery = Not calculated								
Ba†	19756.5	0.251	mg/L	0.0012	0.251	mg/L	0.0012	0.48%
QC value within limits for Ba Recovery = 100.32%								
Be†	749764.9	0.236	mg/L	0.0002	0.236	mg/L	0.0002	0.10%
QC value within limits for Be Recovery = 94.27%								
Ca†	1744195.4	242	mg/L	0.3	242	mg/L	0.3	0.14%
QC value within limits for Ca Recovery = 96.66%								
Cd†	14028.9	0.483	mg/L	0.0024	0.483	mg/L	0.0024	0.50%
QC value within limits for Cd Recovery = 96.60%								
Co†	6770.6	0.232	mg/L	0.0013	0.232	mg/L	0.0013	0.54%
QC value within limits for Co Recovery = 92.77%								
Cr†	19932.7	0.240	mg/L	0.0009	0.240	mg/L	0.0009	0.39%
QC value within limits for Cr Recovery = 96.00%								
Cu†	87929.2	0.225	mg/L	0.0005	0.225	mg/L	0.0005	0.23%
QC value within limits for Cu Recovery = 89.84%								
Fe†	101337.8	94.6	mg/L	0.02	94.6	mg/L	0.02	0.02%
QC value within limits for Fe Recovery = 94.61%								
K†	25.4	0.0200	mg/L	0.01892	0.0200	mg/L	0.01892	94.53%
QC value within limits for K Recovery = Not calculated								
Mg†	675461.5	225	mg/L	0.9	225	mg/L	0.9	0.38%
QC value within limits for Mg Recovery = 89.91%								
Mn†	147139.0	0.249	mg/L	0.0005	0.249	mg/L	0.0005	0.20%
QC value within limits for Mn Recovery = 99.68%								
Mo†	8.7	0.00062	mg/L	0.000430	0.00062	mg/L	0.000430	69.68%
QC value within limits for Mo Recovery = Not calculated								
Na†	587.5	0.176	mg/L	0.0007	0.176	mg/L	0.0007	0.40%
QC value within limits for Na Recovery = Not calculated								
Ni†	11231.8	0.451	mg/L	0.0018	0.451	mg/L	0.0018	0.40%
QC value within limits for Ni Recovery = 90.11%								
Pb†	2429.7	0.442	mg/L	0.0002	0.442	mg/L	0.0002	0.06%
QC value within limits for Pb Recovery = 88.43%								
Sb†	35.0	0.0122	mg/L	0.00010	0.0122	mg/L	0.00010	0.81%
QC value within limits for Sb Recovery = Not calculated								
Se†	-329.3	-0.0363	mg/L	0.00648	-0.0363	mg/L	0.00648	17.84%
QC value within limits for Se Recovery = Not calculated								
Tl†	51.2	0.0177	mg/L	0.00277	0.0177	mg/L	0.00277	15.65%
QC value within limits for Tl Recovery = Not calculated								
V†	41729.4	0.237	mg/L	0.0002	0.237	mg/L	0.0002	0.08%
QC value within limits for V Recovery = 94.78%								
Zn†	26577.0	0.496	mg/L	0.0017	0.496	mg/L	0.0017	0.34%
QC value within limits for Zn Recovery = 99.23%								
Alx†	Saturated2							
Unable to evaluate QC.								
Bex†	749764.9	236	ug/L	0.2	0.236	mg/L	0.0002	0.10%
QC value within limits for Bex Recovery = 94.27%								

QC Failed. Continue with analysis.

Sequence No.: 191
Sample ID: Wash
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 04:51:34
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Wash

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: Wash

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sca	444823.7	95.0	%	0.69				0.72%
Yr	678377.5	89.6	%	0.51				0.57%
Agt	2823.1	0.00994	mg/L	0.000456	0.00994	mg/L	0.000456	4.59%
QC value within limits for Ag		Recovery = Not calculated						
Alt	12.7	0.00322	mg/L	0.015959	0.00322	mg/L	0.015959	496.07%
QC value within limits for Al		Recovery = Not calculated						
Ast	2.0	0.00085	mg/L	0.001692	0.00085	mg/L	0.001692	199.00%
QC value within limits for As		Recovery = Not calculated						
B_t	498.7	0.0153	mg/L	0.00011	0.0153	mg/L	0.00011	0.71%
QC value within limits for B_		Recovery = Not calculated						
Bat	-4.8	-0.00006	mg/L	0.000036	-0.00006	mg/L	0.000036	58.59%
QC value within limits for Ba		Recovery = Not calculated						
Bet	288.6	0.00009	mg/L	0.000024	0.00009	mg/L	0.000024	26.92%
QC value within limits for Be		Recovery = Not calculated						
Cat	22.5	0.00312	mg/L	0.000249	0.00312	mg/L	0.000249	7.98%
QC value within limits for Ca		Recovery = Not calculated						
Cdt	8.8	0.00028	mg/L	0.000181	0.00028	mg/L	0.000181	63.50%
QC value within limits for Cd		Recovery = Not calculated						
Cot	-9.6	-0.00033	mg/L	0.000119	-0.00033	mg/L	0.000119	36.30%
QC value within limits for Co		Recovery = Not calculated						
Crt	16.7	0.00020	mg/L	0.000007	0.00020	mg/L	0.000007	3.51%
QC value within limits for Cr		Recovery = Not calculated						
Cut	-125.2	-0.00032	mg/L	0.000110	-0.00032	mg/L	0.000110	34.32%
QC value within limits for Cu		Recovery = Not calculated						
Fet	5.7	0.00536	mg/L	0.001564	0.00536	mg/L	0.001564	29.17%
QC value within limits for Fe		Recovery = Not calculated						
Kt	-20.9	-0.0165	mg/L	0.01895	-0.0165	mg/L	0.01895	115.16%
QC value within limits for K		Recovery = Not calculated						
Mgt	-0.9	-0.00030	mg/L	0.001557	-0.00030	mg/L	0.001557	522.86%
QC value within limits for Mg		Recovery = Not calculated						
Mnt	-26.4	-0.00004	mg/L	0.000013	-0.00004	mg/L	0.000013	29.04%
QC value within limits for Mn		Recovery = Not calculated						
Mot	8.6	0.00061	mg/L	0.000206	0.00061	mg/L	0.000206	33.60%
QC value within limits for Mo		Recovery = Not calculated						
Nat	-21.2	-0.00637	mg/L	0.004250	-0.00637	mg/L	0.004250	66.75%
QC value within limits for Na		Recovery = Not calculated						
Nit	-6.9	-0.00028	mg/L	0.000172	-0.00028	mg/L	0.000172	62.50%
QC value within limits for Ni		Recovery = Not calculated						
Pbt	2.8	0.00051	mg/L	0.000747	0.00051	mg/L	0.000747	147.43%
QC value within limits for Pb		Recovery = Not calculated						
Sbt	-4.6	-0.00212	mg/L	0.000098	-0.00212	mg/L	0.000098	4.63%
QC value within limits for Sb		Recovery = Not calculated						
Set	-1.4	-0.00092	mg/L	0.003321	-0.00092	mg/L	0.003321	361.02%
QC value within limits for Se		Recovery = Not calculated						
Tlt	-6.6	-0.00219	mg/L	0.000671	-0.00219	mg/L	0.000671	30.71%
QC value within limits for Tl		Recovery = Not calculated						
Vt	-18.5	-0.00010	mg/L	0.000013	-0.00010	mg/L	0.000013	12.49%
QC value within limits for V		Recovery = Not calculated						
Znt	-318.2	-0.00597	mg/L	0.000018	-0.00597	mg/L	0.000018	0.31%
QC value within limits for Zn		Recovery = Not calculated						
Alxt	-50.1	-0.516	ug/L	0.6780	-0.00052	mg/L	0.000678	131.40%
QC value within limits for Alx		Recovery = Not calculated						
Bext	288.6	0.0907	ug/L	0.02443	0.00009	mg/L	0.000024	26.92%
QC value within limits for Bex		Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 192
Sample ID: QC-25 1ppm
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 9/26/2007 04:55:32
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: QC-25 1ppm

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: QC-25 1ppm

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	456606.1	97.5	%	0.34				0.35%
Yr	683556.1	90.3	%	0.19				0.21%
Ag†	39684.8	0.140	mg/L	0.0181	0.140	mg/L	0.0181	12.93%
QC value less than the lower limit for Ag Recovery = 13.97%								
Al†	3927.0	0.998	mg/L	0.0027	0.998	mg/L	0.0027	0.27%
QC value within limits for Al Recovery = 99.83%								
As†	2139.2	0.901	mg/L	0.0089	0.901	mg/L	0.0089	0.99%
QC value within limits for As Recovery = 90.06%								
B_†	28480.2	0.869	mg/L	0.0072	0.869	mg/L	0.0072	0.83%
QC value less than the lower limit for B_ Recovery = 86.91%								
Ba†	79661.3	1.01	mg/L	0.006	1.01	mg/L	0.006	0.61%
QC value within limits for Ba Recovery = 101.13%								
Be†	2951264.9	0.928	mg/L	0.0023	0.928	mg/L	0.0023	0.25%
QC value within limits for Be Recovery = 92.76%								
Ca†	7126.2	0.987	mg/L	0.0008	0.987	mg/L	0.0008	0.08%
QC value within limits for Ca Recovery = 98.73%								
Cd†	27783.0	0.936	mg/L	0.0052	0.936	mg/L	0.0052	0.56%
QC value within limits for Cd Recovery = 93.61%								
Co†	29365.9	1.01	mg/L	0.004	1.01	mg/L	0.004	0.40%
QC value within limits for Co Recovery = 100.59%								
Cr†	81666.2	0.983	mg/L	0.0056	0.983	mg/L	0.0056	0.57%
QC value within limits for Cr Recovery = 98.33%								
Cu†	358264.7	0.915	mg/L	0.0045	0.915	mg/L	0.0045	0.50%
QC value within limits for Cu Recovery = 91.52%								
Fe†	1044.3	0.975	mg/L	0.0027	0.975	mg/L	0.0027	0.28%
QC value within limits for Fe Recovery = 97.50%								
K†	12035.9	9.46	mg/L	0.067	9.46	mg/L	0.067	0.70%
QC value within limits for K Recovery = 94.65%								
Mg†	3117.6	1.04	mg/L	0.001	1.04	mg/L	0.001	0.13%
QC value within limits for Mg Recovery = 103.75%								
Mn†	601823.9	1.02	mg/L	0.001	1.02	mg/L	0.001	0.09%
QC value within limits for Mn Recovery = 101.93%								
Mo†	13135.5	0.936	mg/L	0.0076	0.936	mg/L	0.0076	0.82%
QC value within limits for Mo Recovery = 93.60%								
Na†	3368.9	1.01	mg/L	0.022	1.01	mg/L	0.022	2.20%
QC value within limits for Na Recovery = 101.10%								
Ni†	25299.5	1.01	mg/L	0.008	1.01	mg/L	0.008	0.76%
QC value within limits for Ni Recovery = 101.48%								
Pb†	5629.8	1.02	mg/L	0.008	1.02	mg/L	0.008	0.76%
QC value within limits for Pb Recovery = 102.45%								
Sb†	1971.2	0.889	mg/L	0.0096	0.889	mg/L	0.0096	1.08%
QC value less than the lower limit for Sb Recovery = 88.86%								
Se†	1314.1	0.881	mg/L	0.0114	0.881	mg/L	0.0114	1.29%
QC value less than the lower limit for Se Recovery = 88.15%								
Tl†	3044.6	1.02	mg/L	0.011	1.02	mg/L	0.011	1.04%
QC value within limits for Tl Recovery = 101.63%								
V†	168146.4	0.955	mg/L	0.0069	0.955	mg/L	0.0069	0.73%
QC value within limits for V Recovery = 95.49%								
Zn†	51456.6	0.960	mg/L	0.0071	0.960	mg/L	0.0071	0.74%
QC value within limits for Zn Recovery = 95.96%								
Alx†	95575.2	985	ug/L	10.5	0.985	mg/L	0.0105	1.06%
QC value within limits for Alx Recovery = 98.50%								
Bex†	2951264.9	928	ug/L	2.3	0.928	mg/L	0.0023	0.25%
QC value within limits for Bex Recovery = 92.76%								

QC Failed. Retry.

Sequence No.: 193
Sample ID: QC-25 1ppm
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 9/26/2007 04:58:48
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: QC-25 1ppm

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: QC-25 1ppm

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	448899.7	95.9	%	0.01				0.01%
Yr	680538.2	89.9	%	3.24				3.61%
Ag†	35725.4	0.126	mg/L	0.0452	0.126	mg/L	0.0452	35.94%
QC value less than the lower limit for Ag Recovery = 12.58%								
Al†	3903.6	0.992	mg/L	0.0453	0.992	mg/L	0.0453	4.56%
QC value within limits for Al Recovery = 99.23%								
As†	2182.8	0.919	mg/L	0.0017	0.919	mg/L	0.0017	0.19%
QC value within limits for As Recovery = 91.90%								
B_†	29303.3	0.894	mg/L	0.0048	0.894	mg/L	0.0048	0.54%
QC value less than the lower limit for B_ Recovery = 89.42%								
Ba†	81440.1	1.03	mg/L	0.005	1.03	mg/L	0.005	0.48%
QC value within limits for Ba Recovery = 103.39%								
Be†	2957370.8	0.930	mg/L	0.0025	0.930	mg/L	0.0025	0.27%
QC value within limits for Be Recovery = 92.96%								
Ca†	7144.8	0.990	mg/L	0.0436	0.990	mg/L	0.0436	4.40%
QC value within limits for Ca Recovery = 98.99%								
Cd†	28476.6	0.960	mg/L	0.0053	0.960	mg/L	0.0053	0.55%
QC value within limits for Cd Recovery = 95.96%								
Co†	30097.6	1.03	mg/L	0.007	1.03	mg/L	0.007	0.63%
QC value within limits for Co Recovery = 103.10%								
Cr†	83327.0	1.00	mg/L	0.008	1.00	mg/L	0.008	0.75%
QC value within limits for Cr Recovery = 100.33%								
Cu†	359333.9	0.918	mg/L	0.0001	0.918	mg/L	0.0001	0.01%
QC value within limits for Cu Recovery = 91.79%								
Fe†	1041.4	0.972	mg/L	0.0423	0.972	mg/L	0.0423	4.35%
QC value within limits for Fe Recovery = 97.22%								
K†	11935.3	9.39	mg/L	0.353	9.39	mg/L	0.353	3.76%
QC value within limits for K Recovery = 93.86%								
Mg†	3092.1	1.03	mg/L	0.046	1.03	mg/L	0.046	4.47%
QC value within limits for Mg Recovery = 102.90%								
Mn†	605010.9	1.02	mg/L	0.001	1.02	mg/L	0.001	0.05%
QC value within limits for Mn Recovery = 102.47%								
Mo†	13383.3	0.954	mg/L	0.0011	0.954	mg/L	0.0011	0.11%
QC value within limits for Mo Recovery = 95.37%								
Na†	3720.8	1.12	mg/L	0.033	1.12	mg/L	0.033	2.97%
QC value within limits for Na Recovery = 111.66%								
Ni†	25841.3	1.04	mg/L	0.012	1.04	mg/L	0.012	1.15%
QC value within limits for Ni Recovery = 103.66%								
Pb†	5721.9	1.04	mg/L	0.001	1.04	mg/L	0.001	0.05%
QC value within limits for Pb Recovery = 104.13%								
Sb†	2013.7	0.908	mg/L	0.0017	0.908	mg/L	0.0017	0.19%
QC value within limits for Sb Recovery = 90.78%								
Se†	1341.2	0.900	mg/L	0.0048	0.900	mg/L	0.0048	0.53%
QC value less than the lower limit for Se Recovery = 89.96%								
Tl†	3107.6	1.04	mg/L	0.004	1.04	mg/L	0.004	0.42%
QC value within limits for Tl Recovery = 103.73%								
V†	171532.1	0.974	mg/L	0.0045	0.974	mg/L	0.0045	0.47%
QC value within limits for V Recovery = 97.41%								
Zn†	52622.1	0.981	mg/L	0.0080	0.981	mg/L	0.0080	0.81%
QC value within limits for Zn Recovery = 98.14%								
Alx†	99077.4	1020	ug/L	6.0	1.02	mg/L	0.006	0.59%
QC value within limits for Alx Recovery = 102.11%								
Bex†	2957370.8	930	ug/L	2.5	0.930	mg/L	0.0025	0.27%

QC value within limits for Bex Recovery = 92.96%
QC Failed. Continue with analysis.

Sequence No.: 194
Sample ID: ECV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 05:03:28
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ECV

Analyte	Back Pressure	Flow
All	245.0 kPa	0.65 L/min

Mean Data: ECV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	426989.3	91.2	%	0.03				0.03%
Yr	650040.5	85.9	%	0.58				0.67%
Agt	273447.8	0.963	mg/L	0.0024	0.963	mg/L	0.0024	0.25%
QC value within limits for Ag Recovery = 96.28%								
Alt	19783.2	5.03	mg/L	0.077	5.03	mg/L	0.077	1.53%
QC value within limits for Al Recovery = 100.58%								
Ast	10658.9	4.49	mg/L	0.028	4.49	mg/L	0.028	0.63%
QC value less than the lower limit for As Recovery = 89.75%								
B_t	77129.9	2.35	mg/L	0.002	2.35	mg/L	0.002	0.08%
QC value within limits for B_ Recovery = 93.97%								
Bat	388898.2	4.94	mg/L	0.012	4.94	mg/L	0.012	0.24%
QC value within limits for Ba Recovery = 98.74%								
Bet	6202733.7	1.95	mg/L	0.004	1.95	mg/L	0.004	0.23%
QC value within limits for Be Recovery = 97.48%								
Cat	353336.6	49.0	mg/L	0.05	49.0	mg/L	0.05	0.10%
QC value within limits for Ca Recovery = 97.91%								
Cdt	72272.0	2.41	mg/L	0.015	2.41	mg/L	0.015	0.61%
QC value within limits for Cd Recovery = 96.28%								
Cot	144403.3	4.95	mg/L	0.006	4.95	mg/L	0.006	0.13%
QC value within limits for Co Recovery = 98.93%								
Crt	407693.9	4.91	mg/L	0.005	4.91	mg/L	0.005	0.10%
QC value within limits for Cr Recovery = 98.17%								
Cut	1852115.2	4.73	mg/L	0.010	4.73	mg/L	0.010	0.21%
QC value within limits for Cu Recovery = 94.62%								
Fet	5300.6	4.95	mg/L	0.124	4.95	mg/L	0.124	2.50%
QC value within limits for Fe Recovery = 98.97%								
Kt	61468.3	48.3	mg/L	0.23	48.3	mg/L	0.23	0.48%
QC value within limits for K Recovery = 96.67%								
Mgt	149958.0	49.9	mg/L	0.13	49.9	mg/L	0.13	0.25%
QC value within limits for Mg Recovery = 99.81%								
Mnt	2943359.1	4.99	mg/L	0.011	4.99	mg/L	0.011	0.22%
QC value within limits for Mn Recovery = 99.70%								
Mot	67145.9	4.78	mg/L	0.035	4.78	mg/L	0.035	0.74%
QC value within limits for Mo Recovery = 95.70%								
Nat	158060.6	47.4	mg/L	0.10	47.4	mg/L	0.10	0.21%
QC value within limits for Na Recovery = 94.87%								
Nit	123792.8	4.97	mg/L	0.000	4.97	mg/L	0.000	0.00%
QC value within limits for Ni Recovery = 99.31%								
Pbt	27318.0	4.97	mg/L	0.035	4.97	mg/L	0.035	0.70%
QC value within limits for Pb Recovery = 99.43%								
Sbt	10129.7	4.57	mg/L	0.021	4.57	mg/L	0.021	0.47%
QC value within limits for Sb Recovery = 91.39%								
Set	7125.2	4.78	mg/L	0.016	4.78	mg/L	0.016	0.33%
QC value within limits for Se Recovery = 95.57%								
Tlt	15175.3	5.07	mg/L	0.042	5.07	mg/L	0.042	0.82%
QC value within limits for Tl Recovery = 101.32%								
Vt	862919.5	4.90	mg/L	0.007	4.90	mg/L	0.007	0.14%
QC value within limits for V Recovery = 97.99%								
Znt	262765.2	4.90	mg/L	0.003	4.90	mg/L	0.003	0.07%
QC value within limits for Zn Recovery = 98.04%								
Alxt	491841.2	5070	ug/L	2.3	5.07	mg/L	0.002	0.04%
QC value within limits for Alx Recovery = 101.38%								
Bext	6202733.7	1950	ug/L	4.5	1.95	mg/L	0.004	0.23%
QC value within limits for Bex Recovery = 97.48%								

QC Failed. Retry.

Sequence No.: 195
Sample ID: ECV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 9/26/2007 05:05:10
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ECV

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ECV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	431020.3	92.1	%	0.79				0.86%
Yr	657532.7	86.9	%	0.53				0.61%
Agt	270523.6	0.953	mg/L	0.0000	0.953	mg/L	0.0000	0.00%
QC value within limits for Ag		Recovery = 95.25%						
Alt	19547.8	4.97	mg/L	0.024	4.97	mg/L	0.024	0.49%
QC value within limits for Al		Recovery = 99.39%						
Ast	10763.7	4.53	mg/L	0.095	4.53	mg/L	0.095	2.10%
QC value within limits for As		Recovery = 90.63%						
B_t	77368.4	2.36	mg/L	0.001	2.36	mg/L	0.001	0.06%
QC value within limits for B_		Recovery = 94.26%						
Bat	385341.5	4.89	mg/L	0.000	4.89	mg/L	0.000	0.01%
QC value within limits for Ba		Recovery = 97.84%						
Bet	6210458.2	1.95	mg/L	0.021	1.95	mg/L	0.021	1.08%
QC value within limits for Be		Recovery = 97.60%						
Cat	353183.8	48.9	mg/L	0.02	48.9	mg/L	0.02	0.04%
QC value within limits for Ca		Recovery = 97.86%						
Cdt	72230.1	2.40	mg/L	0.040	2.40	mg/L	0.040	1.65%
QC value within limits for Cd		Recovery = 96.18%						
Cot	143197.1	4.91	mg/L	0.007	4.91	mg/L	0.007	0.14%
QC value within limits for Co		Recovery = 98.10%						
Crt	406176.6	4.89	mg/L	0.010	4.89	mg/L	0.010	0.19%
QC value within limits for Cr		Recovery = 97.81%						
Cut	1821891.2	4.65	mg/L	0.006	4.65	mg/L	0.006	0.13%
QC value within limits for Cu		Recovery = 93.07%						
Fet	5266.8	4.92	mg/L	0.003	4.92	mg/L	0.003	0.07%
QC value within limits for Fe		Recovery = 98.34%						
Kt	61368.1	48.3	mg/L	0.33	48.3	mg/L	0.33	0.68%
QC value within limits for K		Recovery = 96.52%						
Mgt	149804.6	49.9	mg/L	0.04	49.9	mg/L	0.04	0.07%
QC value within limits for Mg		Recovery = 99.71%						
Mnt	2919048.3	4.94	mg/L	0.001	4.94	mg/L	0.001	0.02%
QC value within limits for Mn		Recovery = 98.88%						
Mot	67440.0	4.81	mg/L	0.079	4.81	mg/L	0.079	1.65%
QC value within limits for Mo		Recovery = 96.12%						
Nat	157439.8	47.2	mg/L	0.33	47.2	mg/L	0.33	0.71%
QC value within limits for Na		Recovery = 94.50%						
Nit	123504.8	4.95	mg/L	0.003	4.95	mg/L	0.003	0.07%
QC value within limits for Ni		Recovery = 99.08%						
Pbt	27474.4	5.00	mg/L	0.080	5.00	mg/L	0.080	1.60%
QC value within limits for Pb		Recovery = 100.00%						
Sbt	10160.4	4.58	mg/L	0.056	4.58	mg/L	0.056	1.23%
QC value within limits for Sb		Recovery = 91.67%						
Set	7103.5	4.76	mg/L	0.091	4.76	mg/L	0.091	1.90%
QC value within limits for Se		Recovery = 95.28%						
Tlt	15130.4	5.05	mg/L	0.083	5.05	mg/L	0.083	1.65%
QC value within limits for Tl		Recovery = 101.02%						
Vt	856326.0	4.86	mg/L	0.001	4.86	mg/L	0.001	0.01%
QC value within limits for V		Recovery = 97.25%						
Znt	261282.4	4.87	mg/L	0.001	4.87	mg/L	0.001	0.02%
QC value within limits for Zn		Recovery = 97.48%						
Alxt	479763.0	4940	ug/L	9.8	4.94	mg/L	0.010	0.20%
QC value within limits for Alx		Recovery = 98.89%						
Bext	6210458.2	1950	ug/L	21.1	1.95	mg/L	0.021	1.08%

QC value within limits for Bex Recovery = 97.60%
All analyte(s) passed QC.

Sequence No.: 196
Sample ID: ECB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 05:08:21
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ECB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ECB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	446311.6	95.3	%	0.28				0.30%
Yr	677226.8	89.5	%	0.80				0.90%
Ag†	3622.4	0.0128	mg/L	0.00072	0.0128	mg/L	0.00072	5.61%
QC value greater than the upper limit for Ag Recovery = Not calculated								
Al†	22.4	0.00570	mg/L	0.000600	0.00570	mg/L	0.000600	10.52%
QC value within limits for Al Recovery = Not calculated								
As†	43.7	0.0184	mg/L	0.00101	0.0184	mg/L	0.00101	5.48%
QC value within limits for As Recovery = Not calculated								
B_†	1031.2	0.0315	mg/L	0.00133	0.0315	mg/L	0.00133	4.23%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ba†	5.1	0.00006	mg/L	0.000041	0.00006	mg/L	0.000041	64.16%
QC value within limits for Ba Recovery = Not calculated								
Be†	359.3	0.00011	mg/L	0.000012	0.00011	mg/L	0.000012	10.63%
QC value within limits for Be Recovery = Not calculated								
Ca†	5.5	0.00076	mg/L	0.003073	0.00076	mg/L	0.003073	405.60%
QC value within limits for Ca Recovery = Not calculated								
Cd†	14.6	0.00018	mg/L	0.000075	0.00018	mg/L	0.000075	41.94%
QC value within limits for Cd Recovery = Not calculated								
Co†	-2.2	-0.00007	mg/L	0.000135	-0.00007	mg/L	0.000135	181.34*
QC value within limits for Co Recovery = Not calculated								
Cr†	48.8	0.00059	mg/L	0.000076	0.00059	mg/L	0.000076	12.95%
QC value within limits for Cr Recovery = Not calculated								
Cu†	-51.7	-0.00013	mg/L	0.000209	-0.00013	mg/L	0.000209	158.20%
QC value within limits for Cu Recovery = Not calculated								
Fe†	-0.2	-0.00014	mg/L	0.001902	-0.00014	mg/L	0.001902	>999.9%
QC value within limits for Fe Recovery = Not calculated								
K†	88.1	0.0693	mg/L	0.01825	0.0693	mg/L	0.01825	26.34%
QC value within limits for K Recovery = Not calculated								
Mg†	-3.2	-0.00108	mg/L	0.001652	-0.00108	mg/L	0.001652	153.30%
QC value within limits for Mg Recovery = Not calculated								
Mn†	61.0	0.00010	mg/L	0.000030	0.00010	mg/L	0.000030	28.95%
QC value within limits for Mn Recovery = Not calculated								
Mo†	54.1	0.00385	mg/L	0.000350	0.00385	mg/L	0.000350	9.08%
QC value within limits for Mo Recovery = Not calculated								
Na†	-61.1	-0.0183	mg/L	0.01466	-0.0183	mg/L	0.01466	79.97%
QC value within limits for Na Recovery = Not calculated								
Ni†	-6.6	-0.00026	mg/L	0.000070	-0.00026	mg/L	0.000070	26.66%
QC value within limits for Ni Recovery = Not calculated								
Pb†	9.1	0.00166	mg/L	0.000513	0.00166	mg/L	0.000513	30.98%
QC value within limits for Pb Recovery = Not calculated								
Sb†	8.5	0.00389	mg/L	0.002200	0.00389	mg/L	0.002200	56.52%
QC value within limits for Sb Recovery = Not calculated								
Se†	1.3	0.00090	mg/L	0.004315	0.00090	mg/L	0.004315	481.54%
QC value within limits for Se Recovery = Not calculated								
Tl†	7.5	0.00250	mg/L	0.001414	0.00250	mg/L	0.001414	56.57%
QC value within limits for Tl Recovery = Not calculated								
V†	9.1	0.00005	mg/L	0.000296	0.00005	mg/L	0.000296	538.42%
QC value within limits for V Recovery = Not calculated								
Zn†	-307.0	-0.00576	mg/L	0.000135	-0.00576	mg/L	0.000135	2.35%
QC value within limits for Zn Recovery = Not calculated								
Alx†	1.8	0.0189	ug/L	2.09960	0.00002	mg/L	0.002100	>999.9%
QC value within limits for Alx Recovery = Not calculated								
Bex†	359.3	0.113	ug/L	0.0120	0.00011	mg/L	0.000012	10.63%
QC value within limits for Bex Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 197
Sample ID: ECB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 05:10:57
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ECB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ECB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	460036.7	98.3	%	2.41				2.46%
Yr	687109.8	90.8	%	1.10				1.22%
Ag†	2756.7	0.00971	mg/L	0.000126	0.00971	mg/L	0.000126	1.30%
QC value within limits for Ag Recovery = Not calculated								
Al†	23.3	0.00592	mg/L	0.000502	0.00592	mg/L	0.000502	8.48%
QC value within limits for Al Recovery = Not calculated								
As†	27.2	0.0114	mg/L	0.00031	0.0114	mg/L	0.00031	2.71%
QC value within limits for As Recovery = Not calculated								
B_†	750.7	0.0230	mg/L	0.00087	0.0230	mg/L	0.00087	3.77%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ba†	3.0	0.00004	mg/L	0.000041	0.00004	mg/L	0.000041	109.45%
QC value within limits for Ba Recovery = Not calculated								
Be†	452.1	0.00014	mg/L	0.000043	0.00014	mg/L	0.000043	30.26%
QC value within limits for Be Recovery = Not calculated								
Ca†	58.3	0.00807	mg/L	0.010261	0.00807	mg/L	0.010261	127.10%
QC value within limits for Ca Recovery = Not calculated								
Cd†	5.9	0.00000	mg/L	0.000263	0.00000	mg/L	0.000263	>999.9%
QC value within limits for Cd Recovery = Not calculated								
Co†	-0.4	-0.00001	mg/L	0.000083	-0.00001	mg/L	0.000083	571.26%
QC value within limits for Co Recovery = Not calculated								
Cr†	22.0	0.00026	mg/L	0.000193	0.00026	mg/L	0.000193	73.04%
QC value within limits for Cr Recovery = Not calculated								
Cu†	-230.9	-0.00059	mg/L	0.000098	-0.00059	mg/L	0.000098	16.65%
QC value within limits for Cu Recovery = Not calculated								
Fe†	2.9	0.00268	mg/L	0.000522	0.00268	mg/L	0.000522	19.52%
QC value within limits for Fe Recovery = Not calculated								
K†	27.6	0.0217	mg/L	0.04307	0.0217	mg/L	0.04307	198.76%
QC value within limits for K Recovery = Not calculated								
Mg†	-1.7	-0.00058	mg/L	0.002207	-0.00058	mg/L	0.002207	381.32%
QC value within limits for Mg Recovery = Not calculated								
Mn†	21.6	0.00004	mg/L	0.000012	0.00004	mg/L	0.000012	32.16%
QC value within limits for Mn Recovery = Not calculated								
Mo†	24.0	0.00171	mg/L	0.000368	0.00171	mg/L	0.000368	21.53%
QC value within limits for Mo Recovery = Not calculated								
Na†	-94.2	-0.0283	mg/L	0.00165	-0.0283	mg/L	0.00165	5.84%
QC value within limits for Na Recovery = Not calculated								
Ni†	-0.1	-0.00001	mg/L	0.000095	-0.00001	mg/L	0.000095	>999.9%
QC value within limits for Ni Recovery = Not calculated								
Pb†	6.8	0.00124	mg/L	0.000756	0.00124	mg/L	0.000756	60.89%
QC value within limits for Pb Recovery = Not calculated								
Sb†	0.8	0.00035	mg/L	0.000288	0.00035	mg/L	0.000288	81.60%
QC value within limits for Sb Recovery = Not calculated								
Se†	4.8	0.00324	mg/L	0.000251	0.00324	mg/L	0.000251	7.75%
QC value within limits for Se Recovery = Not calculated								
Tl†	3.7	0.00125	mg/L	0.000470	0.00125	mg/L	0.000470	37.73%
QC value within limits for Tl Recovery = Not calculated								
V†	-8.2	-0.00004	mg/L	0.000195	-0.00004	mg/L	0.000195	434.06%
QC value within limits for V Recovery = Not calculated								
Zn†	-300.0	-0.00564	mg/L	0.000010	-0.00564	mg/L	0.000010	0.17%
QC value within limits for Zn Recovery = Not calculated								
Alx†	-123.0	-1.27	ug/L	0.022	-0.00127	mg/L	0.000022	1.71%
QC value within limits for Alx Recovery = Not calculated								
Bex†	452.1	0.142	ug/L	0.0430	0.00014	mg/L	0.000043	30.26%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Retry.

Sequence No.: 198
Sample ID: ECB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 0
Date Collected: 9/26/2007 05:13:41
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ECB

Analyte	Back Pressure	Flow
All	246.0 kPa	0.65 L/min

Mean Data: ECB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sca	451434.3	96.4	%	0.89				0.92%
Yr	680349.9	89.9	%	1.11				1.23%
Ag†	1777.8	0.00626	mg/L	0.000504	0.00626	mg/L	0.000504	8.05%
QC value within limits for Ag Recovery = Not calculated								
Al†	14.2	0.00361	mg/L	0.000730	0.00361	mg/L	0.000730	20.23%
QC value within limits for Al Recovery = Not calculated								
As†	17.9	0.00755	mg/L	0.000390	0.00755	mg/L	0.000390	5.16%
QC value within limits for As Recovery = Not calculated								
B_†	659.4	0.0202	mg/L	0.00092	0.0202	mg/L	0.00092	4.56%
QC value greater than the upper limit for B_ Recovery = Not calculated								
Ba†	-0.4	-0.00001	mg/L	0.000044	-0.00001	mg/L	0.000044	765.00%
QC value within limits for Ba Recovery = Not calculated								
Be†	312.8	0.00010	mg/L	0.000005	0.00010	mg/L	0.000005	4.62%
QC value within limits for Be Recovery = Not calculated								
Ca†	31.5	0.00436	mg/L	0.003421	0.00436	mg/L	0.003421	78.37%
QC value within limits for Ca Recovery = Not calculated								
Cd†	5.6	0.00006	mg/L	0.000088	0.00006	mg/L	0.000088	146.24%
QC value within limits for Cd Recovery = Not calculated								
Co†	-5.0	-0.00017	mg/L	0.000150	-0.00017	mg/L	0.000150	86.98%
QC value within limits for Co Recovery = Not calculated								
Cr†	17.9	0.00022	mg/L	0.000112	0.00022	mg/L	0.000112	51.73%
QC value within limits for Cr Recovery = Not calculated								
Cu†	-93.2	-0.00024	mg/L	0.000025	-0.00024	mg/L	0.000025	10.40%
QC value within limits for Cu Recovery = Not calculated								
Fe†	-1.1	-0.00100	mg/L	0.000215	-0.00100	mg/L	0.000215	21.55%
QC value within limits for Fe Recovery = Not calculated								
K†	-15.1	-0.0119	mg/L	0.00425	-0.0119	mg/L	0.00425	35.81%
QC value within limits for K Recovery = Not calculated								
Mg†	-1.7	-0.00057	mg/L	0.001797	-0.00057	mg/L	0.001797	316.88%
QC value within limits for Mg Recovery = Not calculated								
Mn†	7.1	0.00001	mg/L	0.000017	0.00001	mg/L	0.000017	143.56%
QC value within limits for Mn Recovery = Not calculated								
Mo†	13.0	0.00093	mg/L	0.000012	0.00093	mg/L	0.000012	1.33%
QC value within limits for Mo Recovery = Not calculated								
Na†	-81.2	-0.0244	mg/L	0.00104	-0.0244	mg/L	0.00104	4.26%
QC value within limits for Na Recovery = Not calculated								
Ni†	-5.9	-0.00024	mg/L	0.000297	-0.00024	mg/L	0.000297	125.89%
QC value within limits for Ni Recovery = Not calculated								
Pb†	4.2	0.00076	mg/L	0.001129	0.00076	mg/L	0.001129	148.21%
QC value within limits for Pb Recovery = Not calculated								
Sb†	-0.8	-0.00039	mg/L	0.000233	-0.00039	mg/L	0.000233	59.97%
QC value within limits for Sb Recovery = Not calculated								
Se†	2.9	0.00194	mg/L	0.006299	0.00194	mg/L	0.006299	325.00%
QC value within limits for Se Recovery = Not calculated								
Tl†	0.3	0.00009	mg/L	0.002047	0.00009	mg/L	0.002047	>999.9%
QC value within limits for Tl Recovery = Not calculated								
V†	-31.3	-0.00018	mg/L	0.000061	-0.00018	mg/L	0.000061	34.67%
QC value within limits for V Recovery = Not calculated								
Zn†	-324.1	-0.00609	mg/L	0.000028	-0.00609	mg/L	0.000028	0.45%
QC value within limits for Zn Recovery = Not calculated								
Alx†	-131.0	-1.35	ug/L	1.107	-0.00135	mg/L	0.001107	81.95%
QC value within limits for Alx Recovery = Not calculated								

Bext	312.8	0.0983 ug/L	0.00455	0.00010 mg/L	0.000005	4.62%

QC value within limits for Bex Recovery = Not calculated
QC Failed. Continue with analysis.

Analytical Sequence
Method: 200.7&6010_070703

Seq.	Loc.	ID	Status
1	0	Calib Blank 1	Applied
2	15	Standard 2	Applied
3	15	ICV	QC Passed
4	9	LINEARITY	QC Passed
5	10	ICSA	QC Passed
6	11	ICSAB	QC Failed
7	0	Wash	QC Passed
8	12	QC-25 1ppm	QC Passed
9	4	CCV	QC Passed
10	0	ICB	QC Passed
11	20	MRL	QC Passed
12	16	FILTER CHECK	Analyzed
13	22	MRL/2	Analyzed
14	23	MRL 200.7	Analyzed
15	38	MBLANK	Analyzed
16	39	LCS	Analyzed
17	40	LCSD	Analyzed
18	41	2709250179	Analyzed
19	42	2709250179MS	Analyzed
20	43	2709250179MSD	Analyzed
21	44	2709110855	Analyzed
22	4	CCV	QC Passed
23	0	CCB	QC Passed
24	45	2709120508	Analyzed
25	46	F709110855	Analyzed
26	47	F709120508	Analyzed
27	48	Z709110858	Analyzed
28	49	2709180748	Analyzed
29	50	2709130192	Analyzed
30	51	F709140446_10X	Analyzed
31	52	N709190446_20X	Analyzed
32	53	2709250177	Analyzed
33	54	2709250177MS	Analyzed
34	4	CCV	QC Passed
35	0	CCB	QC Passed
36	5	MCV	QC Passed
37	55	2709250177MSD	Analyzed
38	56	2709180239	Analyzed
39	57	2709180242	Analyzed
40	58	2709180164	Analyzed
41	59	2709240457	Analyzed
42	60	2709240454	Analyzed
43	61	2709240478	Analyzed
44	62	2709240448	Analyzed
45	63	2709240459	Analyzed
46	64	2709240450	Analyzed
47	4	CCV	QC Passed
48	0	CCB	QC Passed
49	65	MBLANK	Analyzed
50	66	LCS	Analyzed
51	67	LCSD	Analyzed
52	68	2709250178	Analyzed
53	69	2709250178MS	Analyzed
54	70	2709250178MSD	Analyzed
55	71	2709240482	Analyzed
56	72	2709240483	Analyzed
57	73	2709240479	Analyzed
58	74	2709240481	Analyzed
59	4	CCV	QC Passed
60	0	CCB	QC Passed
61	5	MCV	QC Passed
62	75	2709240476	Analyzed
63	76	2709240469	Analyzed
64	77	2709240464	Analyzed
65	78	2709240465	Analyzed
66	79	2709240467	Analyzed
67	80	2709250176	Analyzed

68	81	2709250176MS	Analyzed
69	82	2709250176MSD	Analyzed
70	83	2709240468	Analyzed
71	84	2709240471	Analyzed
72	4	CCV	QC Passed
73	0	CCB	QC Failed
74	0	CCB	QC Failed
75	0	CCB	QC Failed
76	85	2709240472	Analyzed
77	86	2709240473	Analyzed
78	87	2709240474	Analyzed
79	88	2709240475	Analyzed
80	89	F709240464	Analyzed
81	90	F709240465	Analyzed
82	91	F709240467	Analyzed
83	92	MBLANK	Analyzed
84	93	LCS	Analyzed
85	94	LCSD	Analyzed
86	4	CCV	QC Passed
87	0	CCB	QC Passed
88	5	MCV	QC Passed
89	95	2709250255	Analyzed
90	96	2709250255MS	Analyzed
91	97	2709250255MSD	Analyzed
92	98	F709240468	Analyzed
93	99	F709240471	Analyzed
94	100	F709240472	Analyzed
95	101	F709240473	Analyzed
96	102	F709240474	Analyzed
97	103	F709240475	Analyzed
98	104	2709240048	Analyzed
99	4	CCV	QC Passed
100	0	CCB	QC Passed
101	105	2709240049	Analyzed
102	106	2709240050	Analyzed
103	107	2709250190	Analyzed
104	108	2709250190MS	Analyzed
105	109	2709250190MSD	Analyzed
106	110	2709240051	Analyzed
107	111	2709240052	Analyzed
108	112	2709240053	Analyzed
109	113	2709240138	Analyzed
110	114	2709240139	Analyzed
111	4	CCV	QC Passed
112	0	CCB	QC Passed
113	5	MCV	QC Passed
114	115	2709240140	Analyzed
115	116	2709240141	Analyzed
116	117	2709240142	Analyzed
117	118	2709250159	Analyzed
118	119	MBLANK	Analyzed
119	120	LCS	Analyzed
120	121	LCSD	Analyzed
121	122	2709250167	Analyzed
122	123	2709250167MS	Analyzed
123	124	2709250167MSD	Analyzed
124	4	CCV	QC Passed
125	0	CCB	QC Failed
126	0	CCB	QC Passed
127	125	2709250160	Analyzed
128	126	2709250340	Analyzed
129	127	2709250171	Analyzed
130	128	MBLANK 200.7	Analyzed
131	129	LCS	Analyzed
132	130	LCSD	Analyzed
133	131	2709140336	Analyzed
134	132	2709140336MS	Analyzed
135	133	2709140336MSD	Analyzed
136	134	2709190395	Analyzed
137	4	CCV	QC Passed
138	0	CCB	QC Passed

139	5	MCV	QC Passed
140	135	2709190395MS	Analyzed
141	136	2709190395MSD	Analyzed
142	137	2709170227	Analyzed
143	138	2709170229	Analyzed
144	139	2709170231	Analyzed
145	140	2709170232	Analyzed
146	141	2709170234	Analyzed
147	142	2709170235	Analyzed
148	143	2709170237	Analyzed
149	144	2709170238	Analyzed
150	4	CCV	QC Passed
151	0	CCB	QC Passed
152	145	2709170240	Analyzed
153	146	2709170241	Analyzed
154	147	2709140219	Analyzed
155	148	2709140335	Analyzed
156	149	2709140340	Analyzed
157	150	2709180347	Analyzed
158	151	2709120400	Analyzed
159	152	2709120402	Analyzed
160	153	2709130107	Analyzed
161	154	2709190398	Analyzed
162	4	CCV	QC Passed
163	0	CCB	QC Failed
164	0	CCB	QC Failed
165	0	CCB	QC Failed
166	5	MCV	QC Failed
167	5	MCV	QC Failed
168	24	MRL A	Analyzed
169	25	MRL B	Analyzed
170	26	MRL C	Analyzed
171	27	MRL/2 A	Analyzed
172	28	MRL/2 B	Analyzed
173	29	MRL/2 C	Analyzed
174	30	MRL/4 A	Analyzed
175	31	MRL/4 B	Analyzed
176	32	MRL/4 C	Analyzed
177	33	MRL/5 A	Analyzed
178	4	CCV	QC Failed
179	4	CCV	QC Failed
180	4	CCV	QC Passed
181	0	CCB	QC Failed
182	0	CCB	QC Failed
183	0	CCB	QC Failed
184	34	MRL/5 B	Analyzed
185	35	MRL/5 C	Analyzed
186	36	MRL/10 A	Analyzed
187	37	MRL/10 B	Analyzed
188	38	MRL/10 C	Analyzed
189	10	ICSA	QC Passed
190	11	ICSAB	QC Failed
191	0	Wash	QC Passed
192	12	QC-25 1ppm	QC Failed
193	12	QC-25 1ppm	QC Failed
194	4	ECV	QC Failed
195	4	ECV	QC Passed
196	0	ECB	QC Failed
197	0	ECB	QC Failed
198	0	ECB	QC Failed

Standard Preparation Worksheet & Certificate of Analysis

Reagent	Lot #		
HNO3 R# 100411		HCL R# 100412	
IS = Yttrium(ME0702007)0.75mL + Scandium ME0606006)0.5mL to 1000mL w/ 2% HNO3			
Standards	**Lot #**	**Exp. Date**	**Dilution**
Calibration	ME0704023	(05/01/08)	1:10 ME0704027
(Prepare daily)	ME0704024	(05/01/08)	1:10
			CCV/ECV MCV
CCV/MCV/ECV	ME0610005	(04/10/08)	1:20 ME0610006 1:40 ME0610007
(Prepare daily)			
Spike/LCS	ME0606004	(12/13/07)	1:100 ME0601006
(Prepare daily)	ME0709016	(10/01/07)	1:100
	ME0708001	(02/03/09)	1:200
MRL	~~ME0703010 (09/16/07)~~		1:100 ME0603015
(Prepare daily)	ME070921	03/20/08	
ICSA	ME0708013	(02/15/09)	
ICSAB	ME0708014	(02/15/09)	
QC-25 1PPM	ME0709012	(03/15/08)	
Linearity	ME0709011	(03/15/08)	
Method Sr/Ti/Sn/SiO2			
Calibration	ME0708004	(02/07/08)	
CCV/ECV	ME0709015	(11/30/07)	
Spike/LCS	~~ME0703006 (09/16/07)~~		1:100 ME 070901M exp: 11/30/07
(Prepare daily)			
MRL	ME0708005	(02/07/08)	1:100
(Prepare daily)			
Method Li			
Std/ICV/MRL	ME0709013	(11/30/08)	1:1000, 200, 40, 10
(Prepare daily)			
LCS/Spike	ME0709014	(11/30/07)	1:50
(Prepare daily)			
ccv	ME0707001	(10/31/07)	1:40
(Prepare daily)			

From May 2005: the calibration std for ICP should be ME0505010,011 not ME0408010 dilution should be 1:20 and 1:40 not 1:200 and 1:400. 1/10/2006.
From 10/4/06: the QC-25 1ppm solution ref # should be ME0610001 not ME0610002.

Reagent Lot #

HNO3 R# 100411 HCL R# 100412
IS = Yttrium(ME0702007)0.75mL + Scandium ME0606006)0.5mL to 1000mL w/ 2% HNO3

Standards	Lot #	Exp. Date	Dilution	
Calibration	ME0704023	(05/01/08)	1:10 ME0704027	
(Prepare daily)	ME0704024	(05/01/08)	1:10	
			CCV/ECV	MCV
CCV/MCV/ECV	ME0610005	(04/10/08)	1:20 ME0610006	1:40 ME0610007
(Prepare daily)				
Spike/LCS	ME0606004	(12/13/07)	1:100 ME0601006	
(Prepare daily)	ME0709016	(10/01/07)	1:100	
	ME0708001	(02/03/09)	1:200	
MRL	ME0709021	(03/20/08)	1:100 ME0603015	
(Prepare daily)				
ICSA	ME0709017	(03/20/08)		
ICSAB	ME0709019	(03/20/08)		
QC-25 1PPM	ME0709012	(03/15/08)		
Linearity	ME0709011	(03/15/08)		
Method Sr/Ti/Sn/SiO2				
Calibration	ME0708004	(02/07/08)		
CCV/ECV	ME0709015	(11/30/07)		
Spike/LCS	ME0709014	(10/01/07)	1:100	
(Prepare daily)				
MRL	ME0709013	(11/30/07)	1:100	
(Prepare daily)				
Method Li				
Std/ICV/MRL	ME0709013	(11/30/08)	1:1000, 200, 40, 10	
(Prepare daily)				
LCS/Spike	ME0709014	(11/30/07)	1:50	
(Prepare daily)				
ccv	ME0707001	(10/31/07)	1:40	
(Prepare daily)				

From May 2005: the calibration std for ICP should be ME0505010,011 not ME0408010 dilution should be 1:20 and 1:40 not 1:200 and 1:400. 1/10/2006.
From 10/4/06: the QC-25 1ppm solution ref # should be ME0610001 not ME0610002.

Intial: wbh
Date: 4/23/07

METALS STANDARD DOCUMENTATION

Standard: ICP Calibration STD
Date Received/Prepped: Prep Daily
Date Expired: 5/1/2008
Manufacturer: MWH-wbh
Matrix: 2% HNO3 + 5% HCl
Amount:

ME #: 07040027
By: wbh
Lot #:
Certificate: NO
NIST SRM:
Storage: Room Temp

Component	Comment	Conc. Unit:
Mo	1:10 ME0704024	10 ug/ml
Sb		10 ug/ml
Sn		10 ug/ml
Ti		10 ug/ml
B		10 ug/ml
Ca	1:10 ME0704023	5 ug/ml
K		100 ug/ml
Mg		100 ug/ml
Na		100 ug/ml
Al		100 ug/ml
As		10 ug/ml
Ba		10 ug/ml
Co		10 ug/ml
Cr		10 ug/ml
Cu		10 ug/ml
Fe		10 ug/ml
Mn		10 ug/ml
Ni		10 ug/ml
Pb		10 ug/ml
Se		10 ug/ml
Tl		10 ug/ml
V		10 ug/ml
Zn		10 ug/ml
Cd		10 ug/ml
Be		5 ug/ml
SR		4 ug/ml
Ag		3 ug/ml
		2 ug/ml

Intial: WBH
Date: 4/23/07

METALS STANDARD DOCUMENTATION

Standard:	ICPCalibration Stock Std #2	**ME #:**	0704024
Date Received/Prepped:	4/23/2007	**By:**	wbh
Date Expired:	5/1/2008	**Lot #:**	A2-MEB235011
Manufacturer:	Inorganic Ventures	**Certificate:**	Y
Matrix:	5% Nitric Acid + Trace HF	**NIST SRM:**	Varies
Amount:	500 mL	**Storage:**	Room Temp

Component	Comment	Conc. Unit:
Mo	(P/N MWH-ICAP-CAL-2)	100 ug/ml

Intial: wbh
Date: 4/23/07

METALS STANDARD DOCUMENTATION

Standard: ICPCalibration Stock Std #1 **ME #:** 0704023

Date Received/Prepped: 4/23/2007 **By:** wbh
Date Expired: 5/1/2008 **Lot #:** A2-MEB235010
Manufacturer: Inorganic Ventures **Certificate:** Y
Matrix: 5% Nitric Acid **NIST SRM:** Varies
Amount: 500 mL **Storage:** Room Temp

Component	Comment	Conc.	Unit:
Ca	(P/N MWH-ICAP-CAL-1)	1000	ug/ml
K		1000	ug/ml
Mg		1000	ug/ml
Na		1000	ug/ml
Al		100	ug/ml
As		100	ug/ml
Ba		100	ug/ml
Co		100	ug/ml
Cr		100	ug/ml
Cu		100	ug/ml
Fe		100	ug/ml
Mn		100	ug/ml
Ni		100	ug/ml
Pb		100	ug/ml
Se		100	ug/ml
Tl		100	ug/ml
V		100	ug/ml
Zn		100	ug/ml
Cd		50	ug/ml
Be		40	ug/ml
SR		30	ug/ml
Ag		20	ug/ml

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

MZ0704024

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: MWH-ICAP-CAL-2

Lot Number: **A2-MEB235011**

Matrix: tr. HF 5% HNO3(abs)

100.00 µg/mL each:
Mo, Sb, Sn, Ti,
50.00 µg/mL each:
B

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	100.4 ± 0.3 µg/mL	Boron, B	50.07 ± 0.28 µg/mL	Molybdenum, Mo	100.3 ± 0.3 µg/mL
Tin, Sn	100.3 ± 0.3 µg/mL	Titanium, Ti	100.5 ± 0.2 µg/mL		

Certified Density: 1.037 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term "in-house std." is specified.

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

M8070403

2.0 **DESCRIPTION OF CRM**

Custom Solution

Catalog No.: MWH-ICAP-CAL-1

Lot Number: **A2-MEB235010**

Matrix: 5% HNO3(abs)

1,000.00 µg/mL each:
Ca, K, Mg, Na,
100.00 µg/mL each:
Al, As, Ba, Co, Cr3, Cu, Fe, Mn, Ni, Pb, Se, Tl, V, Zn,
50.00 µg/mL each:
Cd,
40.00 µg/mL each:
Be,
30.00 µg/mL each:
Sr,
20.00 µg/mL each:
Ag

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	100.1 ± 0.5 µg/mL	Arsenic, As	100.2 ± 0.3 µg/mL	Barium, Ba	99.9 ± 0.2 µg/mL
Beryllium, Be	39.98 ± 0.08 µg/mL	Cadmium, Cd	50.05 ± 0.12 µg/mL	Calcium, Ca	997 ± 3 µg/mL
Chromium+3, Cr3	100.1 ± 0.4 µg/mL	Cobalt, Co	100.1 ± 0.2 µg/mL	Copper, Cu	100.1 ± 0.2 µg/mL
Iron, Fe	100.0 ± 0.2 µg/mL	Lead, Pb	100.1 ± 0.3 µg/mL	Magnesium, Mg	996 ± 3 µg/mL
Manganese, Mn	100.1 ± 0.3 µg/mL	Nickel, Ni	100.1 ± 0.2 µg/mL	Potassium, K	1,003 ± 2 µg/mL
Selenium, Se	100.1 ± 0.2 µg/mL	Silver, Ag	20.03 ± 0.06 µg/mL	Sodium, Na	997 ± 5 µg/mL
Strontium, Sr	29.92 ± 0.18 µg/mL	Thallium, Tl	100.0 ± 0.1 µg/mL	Vanadium, V	100.1 ± 0.3 µg/mL
Zinc, Zn	100.1 ± 0.4 µg/mL				

Certified Density: 1.056 g/mL (measured at 22° C)

Intial: WBH
Date: 10/17/2006

METALS STANDARD DOCUMENTATION

Standard: ICP MCV working Standard
Date Received/Prepped: 10/17/2006
Date Expired: 4/10/2008
Manufacturer: MWH-WBH
Matrix: 2% HNO3 + 2% HCl
Amount: Prep daily

ME #: 0610007
By: WBH
Lot #:
Certificate: Y
NIST SRM: Varius
Storage: Room Temp

Component	Comment	Conc.	Unit:
Ag		0.5	ppm
Al		2.5	ppm
As		2.5	ppm
B		1.25	ppm
Ba		2.5	ppm
Be		1	ppm
Ca		25	ppm
Cd		1.25	ppm
Co		2.5	ppm
Cr		2.5	ppm
Cu		2.5	ppm
Fe		2.5	ppm
K		25	ppm
Mg		25	ppm
Mn		2.5	ppm
Mo		2.5	ppm
Na		25	ppm
Ni		2.5	ppm
Pb		2.5	ppm
Sb		2.5	ppm
Se		2.5	ppm
Tl		2.5	ppm
V		2.5	ppm
Zn		2.5	ppm
Sr		0.5	ppm
Sn		0.5	ppm
Ti		0.5	ppm

Intial: WBH
Date: 10/17/06

METALS STANDARD DOCUMENTATION

Standard: ICP CCV/ECV working Standard
Date Received/Prepped: 10/17/2006
Date Expired: 4/10/2008
Manufacturer: MWH-WBH
Matrix: 2% HNO3 + 2% HCl
Amount: Prep daily

ME #: 0610006
By: WBH
Lot #:
Certificate: Y
NIST SRM: Varius
Storage: Room Temp

Component	Comment	Conc.	Unit:
Ag		1	ppm
Al		5	ppm
As		5	ppm
B		2.5	ppm
Ba		5	ppm
Be		2	ppm
Ca		50	ppm
Cd		2.5	ppm
Co		5	ppm
Cr		5	ppm
Cu		5	ppm
Fe		5	ppm
K		50	ppm
Mg		50	ppm
Mn		5	ppm
Mo		5	ppm
Na		50	ppm
Ni		5	ppm
Pb		5	ppm
Sb		5	ppm
Se		5	ppm
Tl		5	ppm
V		5	ppm
Zn		5	ppm
Sr		1	ppm
Sn		1	ppm
Ti		1	ppm

Intial: WBH
Date: 10/17/06

METALS STANDARD DOCUMENTATION

Standard: ICP CCV/MCV Stock Standard
Date Received/Prepped: 10/17/2006
Date Expired: 4/10/2008
Manufacturer: CPI
Matrix: 5% HNO3 = tr HF
Amount: 100 mL x 10

ME #: 0610005
By: WBH
Lot #: 06j053
Certificate: Y
NIST SRM: Varius
Storage: Room Temp

Component	Comment	Conc. Unit:
Ag		20 ppm
Al		100 ppm
As		100 ppm
B		50 ppm
Ba		100 ppm
bE		40 ppm
Ca		1000 ppm
Cd		50 ppm
Co		100 ppm
Cr		100 ppm
Cu		100 ppm
Fe		100 ppm
K		1000 ppm
Mg		1000 ppm
Mn		100 ppm
Mo		100 ppm
Na		1000 ppm
Ni		100 ppm
Pb		100 ppm
Sb		100 ppm
Se		100 ppm
Tl		100 ppm
V		100 ppm
Zn		100 ppm
Sr		20 ppm
Sn		20 ppm
Ti		20 ppm

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Expiry: 4/10/2008

Certificate of Analysis

M20610.005

Part Number: **4400-061003RH01**
Lot Number: **06J053**
Shelf Life: **18 months**

MWH
Custom Multi
5% HNO3 + tr HF

Concentrations in ug/mL ± 0.5%

Ag	20	K	1000	Sr	20
Al	100	Mg	1000	Sn	20
As	100	Mn	100	Ti	20
B	50	Mo	100		
Ba	100	Na	1000		
Be	40	Ni	100		
Ca	1000	Pb	100		
Cd	50	Sb	100		
Co	100	Se	100		
Cr	100	TL	100		
Cu	100	V	100		
Fe	100	Zn	100		

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

METALS STANDARD DOCUMENTATION

WBH
6/19/06

Standard:	ICP/ICPMS LCS/SPIKE Solution	**ME #:**	0606004
Date Received/Prepped:	6/19/2006	**By:**	wbh
Date Expired:	12/13/2006	**Lot #:**	06F103
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	5% HNO3 + 0.1% HF	**NIST SRM:**	3100 Series
Amount:	10 x 100 mL	**Storage:**	Room Temp

Component	Comment	Conc. Unit:
Iron	CPI P/N: 4400-050314RH01	500 mg/L
Aluminum		200 mg/L
Barium		100 mg/L
Cobalt		100 mg/L
Chromium		100 mg/L
Copper		100 mg/L
Molybdenum		100 mg/L
Strontium		100 mg/L
Titanium		100 mg/L
Vanadium		100 mg/L
Zinc		100 mg/L
Tin		100 mg/L
Silver		50 mg/L
Boron		50 mg/L
Manganese		50 mg/L
Nickel		50 mg/L
Antimony		50 mg/L
Arsenic		20 mg/L
Cadmium		20 mg/L
Lead		20 mg/L
Selenium		20 mg/L
Thallium		20 mg/L
Uraium		20 mg/L
Beryllium		5 mg/L
Tin		100 mg/L

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Expiry: 12/13/2007

Certificate of Analysis

Part Number: **4400-050314RH01**
Lot Number: **06F103**
Shelf Life: **18 months**

M70 606004

MWH Labs
5% HNO3 + 0.1% HF
#REF!

Concentrations in ug/mL ± 0.5%

Fe	500	B	50
Al	200	Mn	50
Ba	100	Ni	50
Co	100	Sb	50
Cr	100	As	20
Cu	100	Cd	20
Mo	100	Pb	20
Sr	100	Se	20
Ti	100	TL	20
V	100	Sn	100
Zn	100	Be	5
Ag	50	U	20

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

Intial: STE
Date: 9/19/07

METALS STANDARD DOCUMENTATION

Standard:	ICP Spike solution	**ME #:** 0709016	
Date Received/Prepped:	9/17/2007	**By:** STE	
Date Expired:	10/1/2007	**Lot #:**	
Manufacturer:	MWH ~~WBH~~ ~~STE~~	**Certificate:** Y	
Matrix:	2% HNO3	**NIST SRM:** 3100 SERIES	
Amount:	100mL	**Storage:** Room Temp	

Component	Comment	Conc. Unit:
AS	8.0mL ME0611005/100mL	80 ppm
PB	8.0mL ME0704013/100mL	80 ppm
SE	8.0mL ME0703001/100mL	80 ppm
TL	8.0mL ME0702006/100mL	80 ppm

Intial:
Date: 11/1/06

METALS STANDARD DOCUMENTATION

Standard:	Arsenic Stock Std	**ME #:**	0611005
Date Received/Prepped:	11/1/2006	**By:**	WBH
Date Expired:	10/1/2007	**Lot #:**	Y-AS02029
Manufacturer:	IV	**Certificate:**	Y
Matrix:	1.4% HNO3	**NIST SRM:**	
Amount:	100mL	**Storage:**	Room Temp

Component	Comment	Conc.	Unit:
AS	Cat # CGAS1-1	1004	ppm

INORGANIC VENTURES™
CERTIFICATE OF ANALYSIS

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2.0 DESCRIPTION OF CRM 1000 µg/mL Arsenic in 1.4% (abs) HNO3

Catalog Number:	CGAS1-1, CGAS1-2, and CGAS1-5
Lot Number:	**Y -AS02029**
Starting Material:	As Polycrystaline lump
Starting Material Purity (%):	99.999055
Starting Material Lot No:	23115
Matrix:	1.4% (abs) HNO3

M Robins

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1004 ± 2 µg/mL 995 ± 2 µg/g

Certified Density: 1.009 g/mL (measured at 22° C)

The Certified Value is the instrument analysis value. The following equations are used in the calculation of the certified value and the uncertainty:

Certified Value ($\bar{x}$) = $\frac{\sum x1}{n}$ ($\bar{x}$) = mean, x1 = individual results, n = number of measurements

Uncertainty (±) = $\frac{2[(\sum s1)2]^{1/2}}{(n)^{1/2}}$ $\sum s1$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement weighting, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This IV product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 **1004 ± 2 µg/mL 995 ± 2 µg/g (Avg 2 runs)**
ICP Assay NIST SRM 3103a Lot Number: 010713

Assay Method #2 **1003 ± 5 µg/mL 994 ± 5 µg/g**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

Intial: WBH
Date: 4/16/07

METALS STANDARD DOCUMENTATION

Standard:	Lead Stock Standard	**ME #:**	0704013
Date Received/Prepped:	4/16/2007	**By:**	WBH
Date Expired:	10/11/2008	**Lot #:**	07A097
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	2% HNO3	**NIST SRM:**	3128
Amount:	100 mL	Room temp. storage	

Component	Comment	Conc.	Unit:
Pb	P/N S4400-1000281	1000	ppm

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CERTIFICATE OF ANALYSIS

P/N S4400-1000281
P/N 4400-1000281

1270704013

Single-Element Lead Standard
Pb in 2% HNO_3
1000 ± 3 µg/mL

Lot # 07A097

Material Source: Lead Metal
Source Purity: 99.995 %
Specific Gravity: 1.009 @ 21 °C

This standard solution was prepared using high-purity metal, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3128. Trace impurities of the 1000 µg/mL standard were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	10.3	0.1	Cu	58	0.1	Pb	X	0.1	K	ND	70	Tl	0.25	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	2	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	0.22	0.1	Eu	ND	0.1	Mg	1.4	0.2	Rh	IN	0.1	Sn	ND	0.1
Be	0.58	0.1	Gd	ND	0.1	Mn	3.8	1	Rb	ND	0.1	Ti	0.58	0.1
Bi	0.7	0.1	Ga	ND	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	0.17	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	ND	0.1	Se	ND	6	V	ND	1
Cd	ND	0.1	Hf	ND	0.1	Ni	0.9	0.1	Si	31	8	Yb	ND	0.1
Ca	25	7	Ho	ND	0.1	Nb	ND	0.1	Ag	6.1	0.1	Y	ND	0.1
Ce	ND	0.1	I	0.1	0.2	Os	ND	0.1	Na	3.5	1	Zn	23	2
Cs	0.26	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	ND	0.1	Zr	INT	0.1
Cr	ND	1	Fe	ND	30	P	ND	10	Ta	ND	0.1			
Co	ND	0.1	La	ND	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element DL=Detection Limit ND=None Detected

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the United States or +31 20 638 05 97 in Europe.

Intial: WBH
Date: 2/20/07

METALS STANDARD DOCUMENTATION

Standard:	Thallium 1000ppm Stock Std	**ME #:**	0702006
Date Received/Prepped:	2/20/2007	**By:**	WBH
Date Expired:	8/16/2008	**Lot #:**	06H213
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	2% HNO3	**NIST SRM:**	3158
Amount:	100 mL	Room temp. storage	

Component	Comment	Conc. Unit:
Tl	P/N S4400-1000581	1000 ppm

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MF0702006

CERTIFICATE OF ANALYSIS

P/N 4400-1000581
P/N S4400-1000581

Single Element Thallium Standard
Tl in 2% HNO_3
1000 ± 3 µg/mL

Lot # 06H213

Material Source: Thallium metal
Source Purity: 99.999%
Specific Gravity: 1.015 @ 21 °C

This standard solution was prepared using high-purity metal, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3158. Trace impurities of the 1000 µg/mL standard were analyzed by ICP-MS.

	ppb	DL		ppb	DL		Ppb	DL		ppb	DL		ppb	DL
Al	13.3	0.1	Cu	9.3	0.1	Pb	41	0.1	K	ND	70	Tl	X	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	0.37	0.1	Eu	ND	0.1	Mg	1.7	0.2	Rh	ND	0.1	Sn	ND	0.1
Be	0.67	0.1	Gd	ND	0.1	Mn	ND	1	Rb	ND	0.1	Ti	0.45	0.1
Bi	0.12	0.1	Ga	ND	0.1	Hg	0.16	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	0.21	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	ND	0.1	Se	ND	6	V	ND	1
Cd	1.6	0.1	Hf	ND	0.1	Ni	1.1	0.1	Si	46	8	Yb	ND	0.1
Ca	51	7	Ho	ND	0.1	Nb	ND	0.1	Ag	0.3	0.1	Y	ND	0.1
Ce	ND	0.1	I	0.4	0.2	Os	ND	0.1	Na	3.3	1	Zn	14.7	2
Cs	0.24	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	ND	0.1	Zr	ND	0.1
Cr	ND	1	Fe	ND	30	P	20	10	Ta	ND	0.1			
Co	ND	0.1	La	ND	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element DL=Detection Limit ND=None Detected

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654.

Intial: WBH
Date: 3/5/07

METALS STANDARD DOCUMENTATION

Standard:	Selenium Stock Standard	ME #:	0703001
Date Received/Prepped:	3/5/2007	By:	wbh
Date Expired:	8/22/2008	Lot #:	6.00E+228
Manufacturer:	CPI	Certificate:	Y
Matrix:	2% HNO3	NIST SRM:	3148
Amount:	100 mL	Storage:	Room Temp

Component	Comment	Conc.	Unit:
Se	P/N # S4400-1000491	1000	ppm

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CERTIFICATE OF ANALYSIS

M-07030-1

P/N 4400-1000491
P/N S4400-1000491

Single-Element Selenium Standard
Se in 2% HNO_3
1000 ± 3 µg/mL

Lot # 06E228

Material Source: Selenium Metal
Source Purity: 99.99%
Specific Gravity: 1.011 @ 21 °C

This standard solution was prepared using high-purity metal, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3148. Trace impurities of the 1000 µg/mL standard were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	1.8	0.1	Cu	0.4	0.1	Pb	0.3	0.1	K	ND	70	Tl	3.6	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	ND	0.1	Eu	ND	0.1	Mg	1.1	0.2	Rh	ND	0.1	Sn	ND	0.1
Be	ND	0.1	Gd	ND	0.1	Mn	ND	1	Rb	ND	0.1	Ti	ND	0.1
Bi	ND	0.1	Ga	ND	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	0.6	0.1	Sm	ND	0.1	U	ND	0.1
Br	INT	10	Au	ND	0.1	Nd	ND	0.1	Se	X	6	V	ND	1
Cd	0.4	0.1	Hf	ND	0.1	Ni	0.6	0.1	Si	40	8	Yb	ND	0.1
Ca	5	7	Ho	ND	0.1	Nb	INT	0.1	Ag	0.8	0.1	Y	ND	0.1
Ce	ND	0.1	I	0.5	0.2	Os	ND	0.1	Na	3.8	1	Zn	ND	2
Cs	ND	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	ND	0.1	Zr	INT	0.1
Cr	ND	1	Fe	ND	30	P	ND	10	Ta	ND	0.1			
Co	ND	0.1	La	ND	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element DL=Detection Limit ND=None Detected

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: DYH
Date: 8/8/07

METALS STANDARD DOCUMENTATION

Standard:	Dat MW Standard	**ME #:**	0708001
Date Received/Prepped:	8/8/2007	**By:**	DYH
Date Expired:	2/3/2009	**Lot #:**	07H025
Manufacturer:	CPI International	**Certificate:**	
Matrix:	5% HNO3	**NIST SRM:**	
Amount:	100mL	**Storage:**	Room Temp

Component	Comment	Conc. Unit:
Na	P/N 4400-130309	10000 ug/mL
Ca		10000 ug/mL
Mg		4000 ug/mL
K		4000 ug/mL

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ME070800/

CERTIFICATE OF ANALYSIS

P/N: 4400-130309
Lot Number: 07H025
Shelf Life: 18 months
Expiration Date: 02/03/2009

MWH
Dat MW Standard
µg/mL ± 0.5% in 5% HNO_3

Na 10,000 Ca 10,000 Mg 4,000 K 4,000

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

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Intial: STE
Date: 9/20/07

METALS STANDARD DOCUMENTATION

Standard: ICP MRL Working Stock Solution **ME #:** 07041021

Date Received/Prepped: 9/20/2007 **By:** STE
Date Expired: 3/20/2008 **Lot #:**
Manufacturer: MWH-STE **Certificate:** Y
Matrix: 5% HNO3 **NIST SRM:**
Amount: 100 mL Room temp. storage

Component	Comment	Conc. Unit:
Al	P/N 4400-060915RHO1	5 ppm
Sb		5 ppm
As		10 ppm
Ba		2 ppm
Be		0.1 ppm
Ba		5 ppm
Cd		0.5 ppm
Ca		100 ppm
Cr		1 ppm
Co		5 ppm
Cu		1 ppm
Fe		2 ppm
Pb		2 ppm
Li		10 ppm

Intial: SJE
Date: 9/20/07

METALS STANDARD DOCUMENTATION

Standard:	ICP MRL Stock Standard	**ME #:** 0709020	
Date Received/Prepped:	9/20/2007	**By:**	
Date Expired:	9/18/2008	**Lot #:** 06I162	
Manufacturer:	CPI	**Certificate:** Y	
Matrix:	2% HNO3 + tr HF	**NIST SRM:**	
Amount:	100 mL	Room temp. storage	

Component	Comment	Conc. Unit:
Al	P/N 4400-060915RHO1	50 ppm
Sb		50 ppm
As		100 ppm
Ba		20 ppm
Be		1 ppm
Ba		50 ppm
Cd		5 ppm
Ca		1000 ppm
Cr		10 ppm
Co		50 ppm
Cu		10 ppm
Fe		20 ppm
Pb		20 ppm
Li		1 ppm
Mg		100 ppm
Mn		2 ppm
Mo		20 ppm
Ni		20 ppm
K		1000 ppm
Se		100 ppm
Ag		10 ppm
Na		1000 ppm
Tl		100 ppm
V		2 ppm
Zn		20 ppm
Ti		20 ppm
Sr		10 ppm
Sn		200 ppm

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ME0709020

Expiry 9/18/2008

Certificate of Analysis

Part Number: **4400-060915RH01**
Lot Number: **06I162**
Shelf Life: **12 months**

MWH
Custom Standard
2% HNO3 + tr HF

Concentrations in ug/mL ± 0.5%

Al	50	Pb	20	Zn	20
Sb	50	Li	1	Ti	20
As	100	Mg	100	Sr	10
Ba	20	Mn	2	Sn	200
Be	1	Mo	20		
B	50	Ni	20		
Cd	5	K	1000		
Ca	1000	Se	100		
Cr	10	Ag	10		
Co	50	Na	1000		
Cu	10	TL	100		
Fe	20	V	2		

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

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Intial: STE
Date: 9/20/07

METALS STANDARD DOCUMENTATION

Standard:	Interference Check Standard (ICSA&B)	**ME #:**	0709019
Date Received/Prepped:	9/20/2007	**By:**	STE
Date Expired:	3/20/2008	**Lot #:**	
Manufacturer:	MWH-STE	**Certificate:**	
Matrix:	5% HNO3	**NIST SRM:**	
Amount:	500 mL	Room temp. storage	

Component	Comment	Conc. Unit:
Al	P/N 4400-INTA1-500	250 ppm
Ca	P/N 4400-INTB1-100	250 ppm
Fe		100 ppm
Mg		250 ppm
Ag		0.5 ppm
Ba		0.25 ppm
Be		0.25 ppm
Cd		0.5 ppm
Component		0.25 ppm
Cr		0.25 ppm
Cu		0.25 ppm
Mn		0.25 ppm
Ni		0.5 ppm
Pb		0.5 ppm
V		0.25 ppm
Zn		0.5 ppm

Intial: STE
Date: 9/20/07

METALS STANDARD DOCUMENTATION

Standard:	Interference Check Standard (ICSA)	**ME #:**	0709017
Date Received/Prepped:	9/20/2007	**By:**	Ste
Date Expired:	3/20/2008	**Lot #:**	
Manufacturer:	MWH-STE	**Certificate:**	
Matrix:	5% HNO3	**NIST SRM:**	
Amount:	500 mL	Room temp. storage	

Component	Comment	Conc. Unit:
Al	P/N 4400-INTA1-500	250 ppm
Ca		250 ppm
Fe		100 ppm
Mg		250 ppm

Initial: STE
Date: 8/28/07

METALS STANDARD DOCUMENTATION

Standard: CLP Analytes B Solution
Date Received/Prepped: 8/27/2007
Date Expired: 2/15/2009
Manufacturer: CPI International
Matrix: 5% HNO3
Amount: 100 mL

ME #: 0708010
By: STE
Lot #: 07c256
Certificate:
NIST SRM:
Storage: Room Temp.

Component	Comment	Conc. Unit:
Ag	P/N 4400-INTB1-100	100 ug/L
Ba		50 ug/L
Be		50 ug/L
Cd		100 ug/L
Co		50 ug/L
Cr		50 ug/L
Cu		50 ug/L
Mn		50 ug/L
Ni		100 ug/L
Pb		100 ug/L
V		50 ug/L
Zn		100 ug/L

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ME 070500

CERTIFICATE OF ANALYSIS

P/N 4400-INTB1-100

CLP Analytes B Solution
in 5% HNO_3

Lot # 07c256

Material Source: Metals and Salts
Source Purity: 99.99+%

Elements and Concentrations: µg/mL

Ag	100	Ba	50	Be	50	Cd	100
Co	50	Cr	50	Cu	50	Mn	50
Ni	100	Pb	100	V	50	Zn	100

This standard solution was prepared using high-purity reference materials, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against an independent source traceable to the National Institute of Standards and Technology's SRM 3100 series.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: STE
Date: 8/27/07

METALS STANDARD DOCUMENTATION

Standard:	CLP Interferents A Solution	**ME #:**	0708009
Date Received/Prepped:	8/27/2007	**By:**	STE
Date Expired:	2/15/2009	**Lot #:**	07E175
Manufacturer:	CPI International	**Certificate:**	
Matrix:	5% HNO3	**NIST SRM:**	
Amount:	500 mL	**Storage:**	Room Temp.

Component	Comment	Conc. Unit:
Al	P/N 4400-INTA1-500	5000 ug/mL
Ca		5000 ug/mL
Fe		2000 ug/mL
Mg		5000 ug/mL

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CERTIFICATE OF ANALYSIS

P/N 4400-INTA1-500

CLP Interferents A Solution in 5% HNO_3

ME 07080009

Lot # 07E175

Material Source: Metals and Salts
Source Purity: 99.99+%

Elements and Concentrations: µg/mL

Al 5000 Ca 5000 Fe 2000 Mg 5000

This standard solution was prepared using high-purity reference materials, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against an independent source traceable to the National Institute of Standards and Technology's SRM 3100 series.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: STE
Date: 9/15/07

METALS STANDARD DOCUMENTATION

Standard: ICP LINEARITY CHECK
Date Received/Prepped: 9/15/2007
Date Expired: 3/15/2008
Manufacturer: MWH-STE
Matrix: 5% HNO3
Amount: 500 mL

ME #: 0709011
By: STE
Lot #: VARIOUS
Certificate:
NIST SRM:
Storage: Room Temp.

Component	Comment	Conc. Unit:
Ca	15.0 mL ME0702002/500 mL	300 ppm
K	15.0 mL ME0702005/ 500 mL	300 ppm
Mg	10.0 mL ME0702004/ 500 mL	200 ppm
Na	15 mL ME0702003/ 500 mL	300 ppm
Fe	5.0 mL ME0701008/ 500 mL	100 ppm

Intial: WBH
Date: 1/26/07

METALS STANDARD DOCUMENTATION

Standard:	FE 10000ppm Stock Std	**ME #:**	701008
Date Received/Prepped:	1/26/2007	**By:**	WBH
Date Expired:	7/19/2008	**Lot #:**	06I143
Manufacturer:	CPI	**Certificate:**	
Matrix:	4% HNO3	**NIST SRM:**	3126a
Amount:	100 mL	**Storage:**	Room Temp

Component	Comment	Conc.	Unit:
Fe	PN4400-10M261	10000	PPM

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CERTIFICATE OF ANALYSIS

PTE07010CX

P/N 4400-10M261
P/N S4400-10M261

Single-Element Iron Standard
Fe in 4% HNO_3
10,000 ± 30 µg/mL

Lot # 06I143

Material Source: Iron Metal
Source Purity: 99.999%
Specific Gravity: 1.062 @ 21 °C

This standard solution was prepared using high-purity metal, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3126a. Trace impurities of the standard solution at 1000 µg/mL were analyzed by ICP-MS.

	ppb	DL
Al	INT	0.1
Sb	0.35	0.1
As	ND	6
Ba	ND	0.1
Be	ND	0.1
Bi	ND	0.1
B	ND	4
Br	ND	10
Cd	ND	0.1
Ca	15	7
Ce	ND	0.1
Cs	0.34	0.1
Cr	3.3	1
Co	12	0.1

	ppb	DL
Cu	6.4	0.1
Dy	ND	0.1
Er	ND	0.1
Eu	ND	0.1
Gd	ND	0.1
Ga	0.41	0.1
Ge	INT	0.1
Au	ND	0.1
Hf	ND	0.1
Ho	ND	0.1
I	0.34	0.2
Ir	ND	0.1
Fe	X	30
La	ND	0.1

	ppb	DL
Pb	ND	0.1
Li	ND	0.4
Lu	ND	1
Mg	1.3	0.2
Mn	INT	1
Hg	ND	0.2
Mo	4.9	0.1
Nd	ND	0.1
Ni	9.3	0.1
Nb	ND	0.1
Os	ND	0.1
Pd	ND	0.1
P	28	10
Pt	ND	0.1

	ppb	DL
K	ND	70
Pr	ND	0.1
Re	ND	0.1
Rh	ND	0.1
Rb	ND	0.1
Ru	ND	0.1
Sm	ND	0.1
Se	ND	6
Si	INT	8
Ag	ND	0.1
Na	8	1
Sr	ND	0.1
Ta	ND	0.1
Te	ND	0.1

	ppb	DL
Tl	0.18	0.1
Th	ND	0.1
Tm	ND	0.1
Sn	0.67	0.1
Ti	0.21	0.1
W	0.13	0.1
U	ND	0.1
V	ND	1
Yb	ND	0.1
Y	ND	0.1
Zn	8.6	2
Zr	ND	0.1

INT=Interference from Major Element ND=Not Detected X=Major Element DL=Detection Limit

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: WBH
Date: 2/20/07

METALS STANDARD DOCUMENTATION

Standard:	Potassium 10000ppm Stock Std	**ME #:**	0702005
Date Received/Prepped:	2/20/2007	**By:**	WBH
Date Expired:	8/16/2008	**Lot #:**	07B056
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	1% HNO3	**NIST SRM:**	3141
Amount:	250 mL	Room temp. storage	

Component	Comment	Conc.	Unit:
K	P/N 4400-10M411	10000	ppm

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CERTIFICATE OF ANALYSIS

M20702005

P/N 4400-10M411
P/N S4400-10M411

Single-Element Potassium Standard
K in 1% HNO_3
10,000 ± 30 µg/mL

Lot # 07B056

Material Source: Potassium Nitrate (KNO_3)
Source Purity: 99.999%
Specific Gravity: 1.019 @ 21 °C

This standard solution was prepared using high-purity salt, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3141. Trace impurities of the standard solution at 1000µg/mL were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	0.39	0.1	Cu	0.16	0.1	Pb	ND	0.1	K	X	70	Tl	ND	0.1
Sb	0.34	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	0.14	0.1	Eu	ND	0.1	Mg	2.6	0.2	Rh	ND	0.1	Sn	0.17	0.1
Be	ND	0.1	Gd	ND	0.1	Mn	0.93	1	Rb	9.5	0.1	Ti	ND	0.1
Bi	ND	0.1	Ga	ND	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	ND	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	ND	0.1	Se	ND	6	V	ND	1
Cd	ND	0.1	Hf	ND	0.1	Ni	0.4	0.1	Si	50	20	Yb	ND	0.1
Ca	82	7	Ho	ND	0.1	Nb	ND	0.1	Ag	ND	0.1	Y	ND	0.1
Ce	ND	0.1	I	ND	0.2	Os	ND	0.1	Na	19	1	Zn	2.9	1
Cs	ND	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	1	0.1	Zr	ND	0.1
Cr	ND	1	Fe	ND	30	P	18	10	Ta	ND	0.1			
Co	ND	0.1	La	ND	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element ND=Not Detected DL=Detection Limit

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: WBH
Date: 2/20/07

METALS STANDARD DOCUMENTATION

Standard:	Magnessium 10000ppm Stock Std	**ME #:**	0702004
Date Received/Prepped:	2/20/2007	**By:**	WBH
Date Expired:	8/16/2008	**Lot #:**	07B058
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	4% HNO3	**NIST SRM:**	3131
Amount:	250 mL	Room temp. storage	

Component	Comment	Conc.	Unit:
Mg	P/N 4400-10M311	10000	ppm

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CERTIFICATE OF ANALYSIS

4/20/2004

P/N 4400-10M311
P/N S4400-10M311

Single-Element Magnesium Standard
Mg in 4% HNO_3
10,000 ± 30 µg/mL

Lot # 07B058

Material Source: Magnesium Metal
Source Purity: 99.99%
Specific Gravity: 1.056 @ 21 °C

This standard solution was prepared using high-purity metal, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3131. Trace impurities of the standard solution at 1000 µg/mL were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	28	0.1	Cu	1.6	0.1	Pb	7.7	0.7	K	ND	70	Tl	0.91	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	0.28	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	0.28	0.1	Eu	ND	0.1	Mg	X	0.2	Rh	ND	0.1	Sn	0.14	0.1
Be	ND	0.1	Gd	0.23	0.1	Mn	19.8	1	Rb	ND	0.1	Ti	ND	0.1
Bi	ND	0.1	Ga	0.18	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	ND	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	1.1	0.1	Se	ND	6	V	ND	1
Cd	ND	0.1	Hf	ND	0.1	Ni	1	0.1	Si	64	20	Yb	ND	0.1
Ca	ND	7	Ho	ND	0.1	Nb	ND	0.1	Ag	0.19	0.1	Y	0.2	0.1
Ce	2.1	0.1	I	1	0.2	Os	ND	0.1	Na	7.2	1	Zn	ND	1
Cs	ND	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	0.19	0.1	Zr	0.29	0.1
Cr	ND	1	Fe	80	30	P	ND	10	Ta	ND	0.1			
Co	ND	0.1	La	0.76	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element ND=Not Detected DL=Detection Limit

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

Intial: WBH
Date: 2/20/07

METALS STANDARD DOCUMENTATION

Standard:	Sodium 10000ppm Stock Std	**ME #:**	0702003
Date Received/Prepped:	2/20/2007	**By:**	WBH
Date Expired:	8/16/2008	**Lot #:**	07B057
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	1% HNO3	**NIST SRM:**	3152a
Amount:	250 mL	Room temp. storage	

Component	Comment	Conc.	Unit:
Na	P/N 4400-10M521	10000	ppm

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Innovative Solutions in Analytical Science and Technology

CERTIFICATE OF ANALYSIS

M70702003

P/N 4400-10M521
P/N S4400-10M521

Single-Element Sodium Standard
Na in 1% HNO_3
10,000 ± 30 µg/mL

Lot # 07B057

Material Source: Sodium Nitrate ($NaNO_3$)
Source Purity: 99.99%
Specific Gravity: 1.053 @ 21 °C

This standard solution was prepared using high-purity salt, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3152a. Trace impurities of the standard solution at 1000µg/mL were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	1.5	0.1	Cu	0.45	0.1	Pb	ND	0.1	K	ND	70	Tl	ND	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	0.13	0.1	Eu	ND	0.1	Mg	2.3	0.2	Rh	ND	0.1	Sn	ND	0.1
Be	ND	0.1	Gd	ND	0.1	Mn	ND	1	Rb	ND	0.1	Ti	ND	0.1
Bi	ND	0.1	Ga	ND	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	ND	4	Ge	ND	0.1	Mo	ND	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	ND	0.1	Se	ND	6	V	ND	1
Cd	ND	0.1	Hf	ND	0.1	Ni	0.4	0.1	Si	50	8	Yb	ND	0.1
Ca	120	7	Ho	ND	0.1	Nb	ND	0.1	Ag	ND	0.1	Y	ND	0.1
Ce	ND	0.1	I	ND	0.2	Os	ND	0.1	Na	X	1	Zn	2.9	2
Cs	ND	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	1	0.1	Zr	ND	0.1
Cr	ND	1	Fe	ND	30	P	18	10	Ta	ND	0.1			
Co	ND	0.1	La	ND	0.1	Pt	ND	0.1	Te	ND	0.1			

X=Major Element INT=Interference from Major Element ND=Not Detected DL=Detection Limit

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the United States or +31 20 638 05 97 in Europe.

Intial: WBH
Date: 2/20/07

METALS STANDARD DOCUMENTATION

Standard:	Calcium 10000ppm Stock Std	**ME #:**	0702002
Date Received/Prepped:	2/20/2007	**By:**	WBH
Date Expired:	8/16/2008	**Lot #:**	07B065
Manufacturer:	CPI	**Certificate:**	Y
Matrix:	4% HNO3	**NIST SRM:**	3109a
Amount:	250 mL	Room temp. storage	

Component	Comment	Conc.	Unit:
Ca	P/N 4400-10M91	10000	ppm

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CERTIFICATE OF ANALYSIS

P/N 4400-10M91
P/N S4400-10M91

1607026002

Single-Element Calcium Standard
Ca in 4% HNO_3
10,000 ± 30 µg/mL

Lot # 07B065

Material Source: Calcium Carbonate ($CaCO_3$)
Source Purity: 99.997%
Specific Gravity: 1.035 @ 21 °C

This standard solution was prepared using high-purity salt, sub-boiled distilled nitric acid and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

The standard solution concentration was certified by ICP against the National Institute of Standards and Technology's SRM 3109a. Trace impurities of the standard solution at 1000 µg/mL were analyzed by ICP-MS.

	ppb	DL		ppb	DL		ppb	DL		ppb	DL		ppb	DL
Al	7	0.1	Cu	1.7	0.1	Pb	0.23	0.1	K	ND	70	Tl	0.27	0.1
Sb	ND	0.1	Dy	ND	0.1	Li	ND	0.4	Pr	ND	0.1	Th	ND	0.1
As	ND	6	Er	ND	0.1	Lu	ND	1	Re	ND	0.1	Tm	ND	0.1
Ba	1.5	0.1	Eu	ND	0.1	Mg	38	0.2	Rh	ND	0.1	Sn	ND	0.1
Be	ND	0.1	Gd	ND	0.1	Mn	ND	1	Rb	ND	0.1	Ti	ND	0.1
Bi	ND	0.1	Ga	ND	0.1	Hg	ND	0.2	Ru	ND	0.1	W	ND	0.1
B	1.5	4	Ge	ND	0.1	Mo	ND	0.1	Sm	ND	0.1	U	ND	0.1
Br	ND	10	Au	ND	0.1	Nd	ND	0.1	Se	ND	6	V	ND	1
Cd	ND	0.1	Hf	ND	0.1	Ni	3	0.1	Si	47	8	Yb	ND	0.1
Ca	X	7	Ho	ND	0.1	Nb	ND	0.1	Ag	ND	0.1	Y	ND	0.1
Ce	ND	0.1	I	0.27	0.2	Os	ND	0.1	Na	11.6	1	Zn	3.5	2
Cs	ND	0.1	Ir	ND	0.1	Pd	ND	0.1	Sr	55	0.1	Zr	ND	0.1
Cr	ND	1	Fe	INT	30	P	ND	10	Ta	ND	0.1			
Co	INT	0.1	La	0.41	0.1	Pt	ND	0.1	Te	ND	0.1			

INT=Interference from Major Element ND=None Detected X=Major Element DL=Detection Limit

Accuracy and stability are guaranteed to within plus or minus 0.3% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.