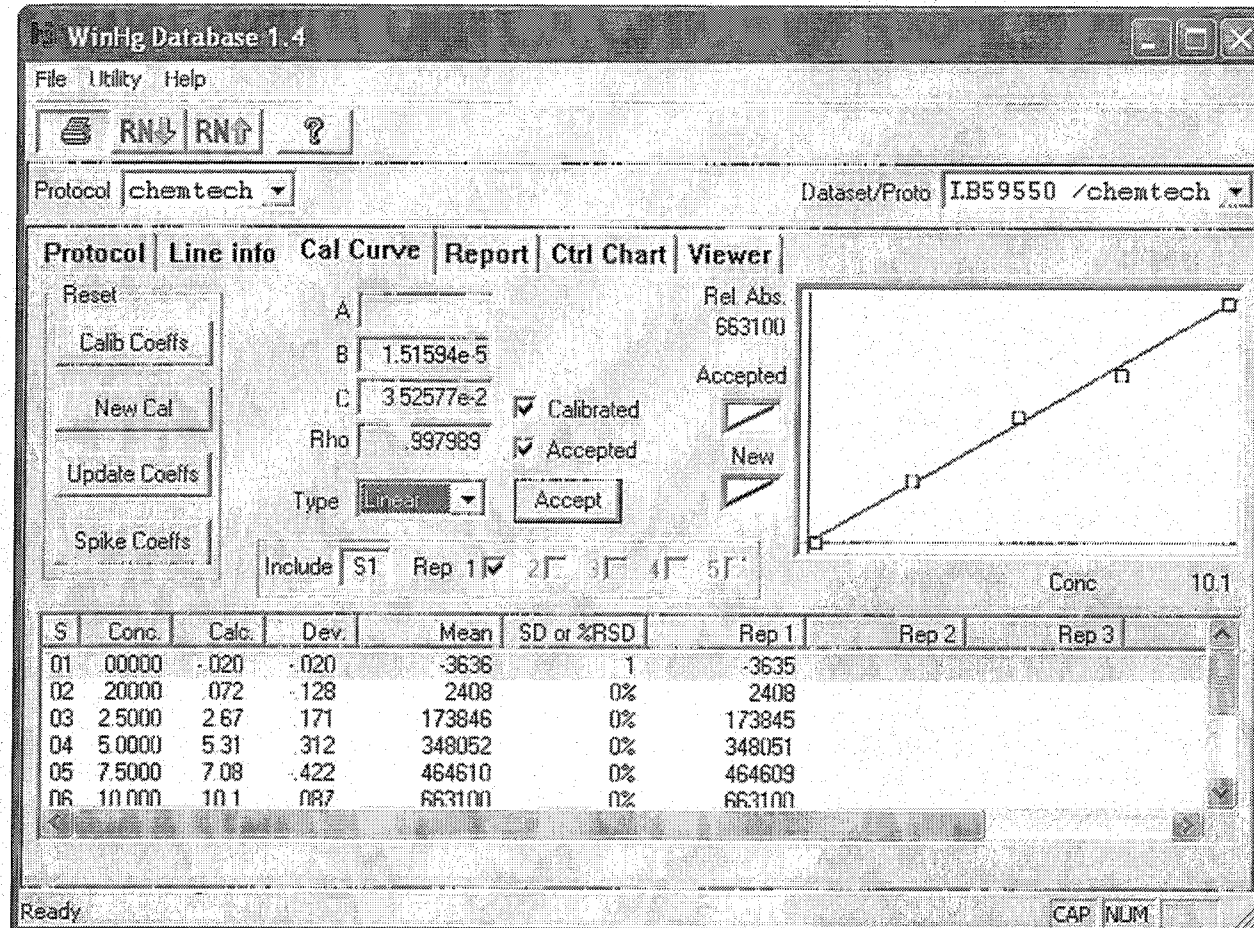


MERCURY ANALYSIS LOGBOOK

Date	Case Number	Batch Number	Start Time	BLK	STD1	STD2	STD3	STD4
02/22/12	D1502	PB61299	14:14	549	21621	198466	366306	550039
	D1503	PB61300						
	D1504	PB61301						
	D1506	PB61309						
02/23/12	D1506	PB61309	13:46	2365	35249	245260	1267813	701111
02/24/12	D1576	PB61343	13:05	4606	16745	198532	34946	556798
	D1577							
	D1578							
	D1596							
	D1546							
02/28/12	D1507	PB61393	13:36	-4094	16070	190182	389315	550711
	D1508	PB61394						
	D1509	PB61395						
	D1510	PB61396						
	D1511	PB61397						
02/29/12	D1510	PB61396	11:03	713	24050	169376	586155	543209
	D1511	PB61397						
02/29/12	D1616	PB61443	12:49	-3635	2408	173845	348057	464609
	D1618	PB61441						
	D1619	PB61442						
	D1628	PB61443						
	D1634							
	D1636	PB61444						
	D1647							
	D1648							

MERCURY ANALYSIS LOGBOOK

[illegible]



Instrument ID: W2 LB 59550 A-P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1			50	Seq: 1		12:49:55 29 Feb 12	HG	
Hg	.000	ppb	-3635					
*** Standard: 2 Rep: 1			50.2	Seq: 2		12:51:55 29 Feb 12	HG	
Hg	.200	ppb	2408					
*** Standard: 3 Rep: 1			52.5	Seq: 3		12:53:56 29 Feb 12	HG	
Hg	2.50	ppb	173845					
*** Standard: 4 Rep: 1			55.0	Seq: 4		12:56:30 29 Feb 12	HG	
Hg	5.00	ppb	348051					
*** Standard: 5 Rep: 1			57.5	Seq: 5		12:59:12 29 Feb 12	HG	
Hg	7.50	ppb	464609					
*** Standard: 6 Rep: 1			510.0	Seq: 6		13:01:46 29 Feb 12	HG	
Hg	10.0	ppb	663100					

02/29/12 A-P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV								
			ICV	Seq: 7	13:04:46 29 Feb 12	HG		
Hg	3.61	ppb	.000	3.61				
*** Sample ID: ICB								
			ICB	Seq: 8	13:06:55 29 Feb 12	HG		
Hg	.071	ppb	.000	.071				
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.18	5.00	ppb	.000		
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.069	.200	ppb	.000			
*** Sample ID: CRA								
			CRA	Seq: 11	13:13:49 29 Feb 12	HG		
Hg	-.001	ppb	.000	-.001				
*** Sample ID: HIGH STD								
			HIGH STD	Seq: 12	13:17:04 29 Feb 12	HG		
Hg	9.65	ppb	.000	9.65				
*** Sample ID: CHK STD								
			CHK STD	Seq: 13	13:19:04 29 Feb 12	HG		
Hg	5.40	ppb	.000	5.40				
*** Sample ID: D1648-01								
				Seq: 14	13:21:13 29 Feb 12	HG		
Hg	.813	ppb	.000	.813				
*** Sample ID: D1648-02								
				Seq: 15	13:23:13 29 Feb 12	HG		
Hg	1.13	ppb	.000	1.13				
*** Sample ID: D1648-03								
				Seq: 16	13:25:23 29 Feb 12	HG		
Hg	.681	ppb	.000	.681				
*** Sample ID: PB61441BL <i>2222</i> <i>A-P-02/29/12</i>								
			PBS	Seq: 17	13:27:25 29 Feb 12	HG		
Hg	.252	ppb	.000	.252				
*** Sample ID: PB61441BL								
			PBS	Seq: 18	13:29:26 29 Feb 12	HG		
Hg	-.114	ppb	.000	-.114				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: PB61441BS				Seq: 19	13:32:18 29 Feb 12			HG
			LCSS					
Hg	3.92	ppb	.000	3.92				
*** Check Standard: 2 Ck2				Seq: 20	13:34:38 29 Feb 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.9	4.89	5.00	ppb	.000		
*** Check Standard: 1 Ck1				Seq: 21	13:37:01 29 Feb 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.055	.200	ppb	.000			
*** Sample ID: PB61442BL				Seq: 22	13:39:04 29 Feb 12			HG
			PBS					
Hg	.054	ppb	.000	.054				
*** Sample ID: PB61442BS				Seq: 23	13:41:04 29 Feb 12			HG
			LCSS					
Hg	3.71	ppb	.000	3.71				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

***	Sample ID: PB61443BL			Seq:	24	13:43:04 29 Feb 12		HG
			PBS					
Hg	-.139	ppb	.000		-.139			
***	Sample ID: PB61443BS			Seq:	25	13:45:35 29 Feb 12		HG
			LCSS					
Hg	3.51	ppb	.000		3.51			
***	Sample ID: PB61444BL			Seq:	26	13:47:37 29 Feb 12		HG
			PBS					
Hg	.050	ppb	.000		.050			
***	Sample ID: PB61444BS			Seq:	27	13:49:37 29 Feb 12		HG
			LCSS					
Hg	3.89	ppb	.000		3.89			
***	Sample ID: D1616-01			Seq:	28	13:51:42 29 Feb 12		HG
Hg	-.252	ppb	.000		-.252			
***	Sample ID: D1616-01D <i>24mm A-1. 02/29/12</i>			Seq:	29	13:54:01 29 Feb 12		HG
Hg	.373	ppb	.000		.373			
***	Sample ID: D1616-01 <i>D</i>			Seq:	30	13:56:15 29 Feb 12		HG
Hg	-.074	ppb	.000		-.074			
***	Check Standard: 2 Ck2			Seq:	31	13:58:29 29 Feb 12		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		106.	5.31	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq:	32	14:00:36 29 Feb 12		HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.199	.200	ppb	.000			
***	Sample ID: D1616-01L			Seq:	33	14:02:40 29 Feb 12		HG
Hg	.032	ppb	.000		.032			
***	Sample ID: D1616-01S			Seq:	34	14:04:40 29 Feb 12		HG
Hg	3.51	ppb	.000		3.51			
***	Sample ID: D1616-01SD			Seq:	35	14:06:41 29 Feb 12		HG
Hg	3.66	ppb	.000		3.66			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1616-01A								
				Seq: 36	14:08:41	29 Feb 12	HG	
Hg	3.74	ppb	.000	3.74				
=====								
*** Sample ID: D1616-02								
				Seq: 37	14:10:52	29 Feb 12	HG	
Hg	-.197	ppb	.000	-.197				
=====								
*** Sample ID: D1616-03								
				Seq: 38	14:13:33	29 Feb 12	HG	
Hg	.023	ppb	.000	.023				
=====								
*** Sample ID: D1616-05								
				Seq: 39	14:15:45	29 Feb 12	HG	
Hg	2.92	ppb	.000	2.92				
=====								
*** Sample ID: D1616-06								
				Seq: 40	14:18:01	29 Feb 12	HG	
Hg	17.1	ppb	.000	17.1				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 41	14:21:13	29 Feb 12 HG
Hg		95.9	4.80	5.00	ppb	SD/RSD		
						.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 42	14:23:12	29 Feb 12 HG	
Hg		.056	.200	ppb	SD/RSD			
					.000			
=====								
*** Sample ID: D1618-01								
				Seq: 43	14:25:14	29 Feb 12	HG	
Hg	1.08	ppb	.000	1.08				
=====								
*** Sample ID: D1618-02								
				Seq: 44	14:27:17	29 Feb 12	HG	
Hg	1.27	ppb	.000	1.27				
=====								
*** Sample ID: D1618-03								
				Seq: 45	14:29:20	29 Feb 12	HG	
Hg	1.78	ppb	.000	1.78				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1618-04								
				Seq: 46	14:31:31	29 Feb 12	HG	
Hg	1.08	ppb	.000	1.08				
=====								
*** Sample ID: D1618-05								
				Seq: 47	14:33:45	29 Feb 12	HG	
Hg	1.96	ppb	.000	1.96				
=====								
*** Sample ID: D1618-06								
				Seq: 48	14:35:48	29 Feb 12	HG	
Hg	2.03	ppb	.000	2.03				
=====								
*** Sample ID: D1618-07								
				Seq: 49	14:37:48	29 Feb 12	HG	
Hg	1.54	ppb	.000	1.54				
=====								
*** Sample ID: D1618-08								
				Seq: 50	14:39:48	29 Feb 12	HG	
Hg	.663	ppb	.000	.663				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 51	14:41:49	29 Feb 12 HG
Hg		101.	5.06	5.00	ppb	SD/RSD		
						.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 53	15:14:49	29 Feb 12 HG	
Hg		.176	.200	ppb	SD/RSD			
					.000			
=====								
*** Sample ID: D1618-08D								
				Seq: 54	15:18:00	29 Feb 12	HG	
Hg	.744	ppb	.000	.744				
=====								
*** Sample ID: D1618-08L								
				Seq: 55	15:19:59	29 Feb 12	HG	
Hg	.423	ppb	.000	.423				
=====								
*** Sample ID: D1618-09								
				Seq: 56	15:22:01	29 Feb 12	HG	
Hg	4.99	ppb	.000	4.99				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1618-10								
				Seq: 57	15:24:00	29 Feb 12	HG	
Hg	4.77	ppb	.000	4.77				
=====								
*** Sample ID: D1618-08A								
				Seq: 58	15:25:59	29 Feb 12	HG	
Hg	5.37	ppb	.000	5.37				
=====								
*** Sample ID: D1618-11								
				Seq: 59	15:27:59	29 Feb 12	HG	
Hg	1.46	ppb	.000	1.46				
=====								
*** Sample ID: D1618-12								
				Seq: 60	15:31:00	29 Feb 12	HG	
Hg	.706	ppb	.000	.706				
=====								
*** Sample ID: D1618-13								
				Seq: 61	15:33:21	29 Feb 12	HG	
Hg	1.34	ppb	.000	1.34				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 62	15:35:22	29 Feb 12 HG
Hg		103.	5.15	5.00	ppb	SD/RSD	.000	
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 63	15:37:56	29 Feb 12 HG	
Hg		.113	.200	ppb	SD/RSD	.000		
=====								
*** Sample ID: D1618-14								
				Seq: 64	15:40:04	29 Feb 12	HG	
Hg	1.38	ppb	.000	1.38				
=====								
*** Sample ID: D1618-15								
				Seq: 65	15:42:39	29 Feb 12	HG	
Hg	.481	ppb	.000	.481				
=====								
*** Sample ID: D1618-16								
				Seq: 66	15:45:02	29 Feb 12	HG	
Hg	.532	ppb	.000	.532				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1618-17								
				Seq: 67	15:47:21	29 Feb 12	HG	
Hg	2.52	ppb	.000	2.52				
=====								
*** Sample ID: D1618-18								
				Seq: 68	15:49:31	29 Feb 12	HG	
Hg	.980	ppb	.000	.980				
=====								
*** Sample ID: D1618-19								
				Seq: 69	15:51:50	29 Feb 12	HG	
Hg	.907	ppb	.000	.907				
=====								
*** Sample ID: D1618-20								
				Seq: 70	15:54:10	29 Feb 12	HG	
Hg	.520	ppb	.000	.520				
=====								
*** Sample ID: D1618-21								
				Seq: 71	15:56:20	29 Feb 12	HG	
Hg	.361	ppb	.000	.361				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 72	15:58:43	29 Feb 12 HG
Hg		106.	5.31	5.00	ppb	SD/RSD	.000	
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 74	16:03:59	29 Feb 12 HG	
Hg		.120	.200	ppb	SD/RSD	.000		
=====								
*** Sample ID: D1619-01								
				Seq: 75	16:06:19	29 Feb 12	HG	
Hg	1.00	ppb	.000	1.00				
=====								
*** Sample ID: D1619-02								
				Seq: 76	16:08:24	29 Feb 12	HG	
Hg	1.14	ppb	.000	1.14				
=====								
*** Sample ID: D1619-03								
				Seq: 77	16:10:39	29 Feb 12	HG	
Hg	1.30	ppb	.000	1.30				
=====								

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1619-04								
				Seq: 78	16:12:51	29 Feb 12	HG	
Hg	.821	ppb	.000	.821				
=====								
*** Sample ID: D1619-05								
				Seq: 79	16:14:52	29 Feb 12	HG	
Hg	.508	ppb	.000	.508				
=====								
*** Sample ID: D1619-06								
				Seq: 80	16:16:53	29 Feb 12	HG	
Hg	1.37	ppb	.000	1.37				
=====								
*** Sample ID: D1619-06D								
				Seq: 81	16:19:11	29 Feb 12	HG	
Hg	1.15	ppb	.000	1.15				
=====								
*** Sample ID: D1619-06L								
				Seq: 82	16:21:44	29 Feb 12	HG	
Hg	.255	ppb	.000	.255				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 83	16:23:45	29 Feb 12 HG
Hg		97.4	4.87	5.00	ppb	SD/RSD	.000	
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 84	16:25:43	29 Feb 12 HG	
Hg		.083	.200	ppb	SD/RSD	.000		
=====								
*** Sample ID: D1619-07								
				Seq: 85	16:27:44	29 Feb 12	HG	
Hg	5.36	ppb	.000	5.36				
=====								
*** Sample ID: D1619-08								
				Seq: 86	16:29:43	29 Feb 12	HG	
Hg	5.69	ppb	.000	5.69				
=====								
*** Sample ID: D1619-06A								
				Seq: 87	16:31:56	29 Feb 12	HG	
Hg	5.40	ppb	.000	5.40				
=====								

=====

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1619-17								
				Seq: 104	17:34:40	29 Feb 12	HG	
Hg	1.46	ppb	.000	1.46				
=====								
*** Sample ID: D1619-18								
				Seq: 105	17:37:20	29 Feb 12	HG	
Hg	1.12	ppb	.000	1.12				
=====								
*** Sample ID: D1619-19								
				Seq: 106	17:39:41	29 Feb 12	HG	
Hg	2.35	ppb	.000	2.35				
=====								
*** Sample ID: D1619-20								
				Seq: 107	17:42:40	29 Feb 12	HG	
Hg	3.17	ppb	.000	3.17				
=====								
*** Sample ID: D1619-21								
				Seq: 108	17:45:22	29 Feb 12	HG	
Hg	1.74	ppb	.000	1.74				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 111	17:52:13	29 Feb 12 HG
Hg		106.	5.32	5.00	ppb	SD/RSD		
						.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 112	17:54:17	29 Feb 12	HG
Hg		.091	.200	ppb	SD/RSD			
					.000			
=====								
*** Sample ID: D1619-22								
				Seq: 113	17:56:40	29 Feb 12	HG	
Hg	1.24	ppb	.000	1.24				
=====								
*** Sample ID: D1628-01								
				Seq: 114	17:58:59	29 Feb 12	HG	
Hg	5.03	ppb	.000	5.03				
=====								
*** Sample ID: D1628-02								
				Seq: 115	18:01:10	29 Feb 12	HG	
Hg	22.0	ppb	.000	22.0				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1628-03								
				Seq: 116	18:03:25	29 Feb 12	HG	
Hg	2.51	ppb	.000	2.51				
=====								
*** Sample ID: D1628-04								
				Seq: 117	18:05:24	29 Feb 12	HG	
Hg	3.97	ppb	.000	3.97				
=====								
*** Sample ID: D1628-05								
				Seq: 118	18:07:35	29 Feb 12	HG	
Hg	8.68	ppb	.000	8.68				
=====								
*** Sample ID: D1628-06								
				Seq: 119	18:09:46	29 Feb 12	HG	
Hg	5.46	ppb	.000	5.46				
=====								
*** Sample ID: D1628-07								
				Seq: 120	18:11:47	29 Feb 12	HG	
Hg	.880	ppb	.000	.880				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 121	18:13:46	29 Feb 12 HG
Hg		96.8	4.84	5.00	ppb	SD/RSD		
						.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 122	18:15:54	29 Feb 12	HG
Hg		.098	.200	ppb	SD/RSD			
					.000			
=====								
*** Sample ID: D1628-08								
				Seq: 123	18:18:05	29 Feb 12	HG	
Hg	3.25	ppb	.000	3.25				
=====								
*** Sample ID: D1634-01								
				Seq: 124	18:20:46	29 Feb 12	HG	
Hg	.348	ppb	.000	.348				
=====								
*** Sample ID: D1636-01								
				Seq: 125	18:23:16	29 Feb 12	HG	
Hg	1.19	ppb	.000	1.19				
=====								

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POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1636-01D								
				Seq: 126	18:25:19	29 Feb 12	HG	
Hg	1.82	ppb	.000	1.82				
=====								
*** Sample ID: D1636-01L								
				Seq: 127	18:27:29	29 Feb 12	HG	
Hg	.178	ppb	.000	.178				
=====								
*** Sample ID: D1636-01S								
				Seq: 128	18:29:42	29 Feb 12	HG	
Hg	5.39	ppb	.000	5.39				
=====								
*** Sample ID: D1636-01SD								
				Seq: 129	18:31:44	29 Feb 12	HG	
Hg	5.60	ppb	.000	5.60				
=====								
*** Sample ID: D1636-01A								
				Seq: 130	18:33:58	29 Feb 12	HG	
Hg	5.56	ppb	.000	5.56				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 131	18:36:06	29 Feb 12 HG
Hg		105.	5.25	5.00	ppb	SD/RSD		
						.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 132	18:38:11	29 Feb 12	HG
Hg		.149	.200	ppb	SD/RSD			
					.000			
=====								
*** Sample ID: D1636-02								
				Seq: 133	18:40:13	29 Feb 12	HG	
Hg	2.47	ppb	.000	2.47				
=====								
*** Sample ID: D1636-03								
				Seq: 134	18:42:40	29 Feb 12	HG	
Hg	1.89	ppb	.000	1.89				
=====								
*** Sample ID: D1636-04								
				Seq: 135	18:44:43	29 Feb 12	HG	
Hg	2.27	ppb	.000	2.27				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1636-05								
				Seq:	136	18:46:45	29 Feb 12	HG
Hg	1.31	ppb	.000	1.31				
=====								
*** Sample ID: D1636-06								
				Seq:	137	18:49:16	29 Feb 12	HG
Hg	2.32	ppb	.000	2.32				
=====								
*** Sample ID: D1636-07								
				Seq:	138	18:51:32	29 Feb 12	HG
Hg	1.07	ppb	.000	1.07				
=====								
*** Sample ID: D1647-03								
				Seq:	139	18:54:03	29 Feb 12	HG
Hg	.041	ppb	.000	.041				
=====								
*** Sample ID: D1616-06								
				Seq:	140	18:56:18	29 Feb 12	HG
Hg	4.41	ppb	.000	4.41				
=====								
*** Sample ID: D1628-02								
				Seq:	141	18:58:48	29 Feb 12	HG
Hg	4.84	ppb	.000	4.84				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.9	4.90	5.00	ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.060	.200	ppb	.000			