

MERCURY ANALYSIS LOGBOOK

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[illegible]

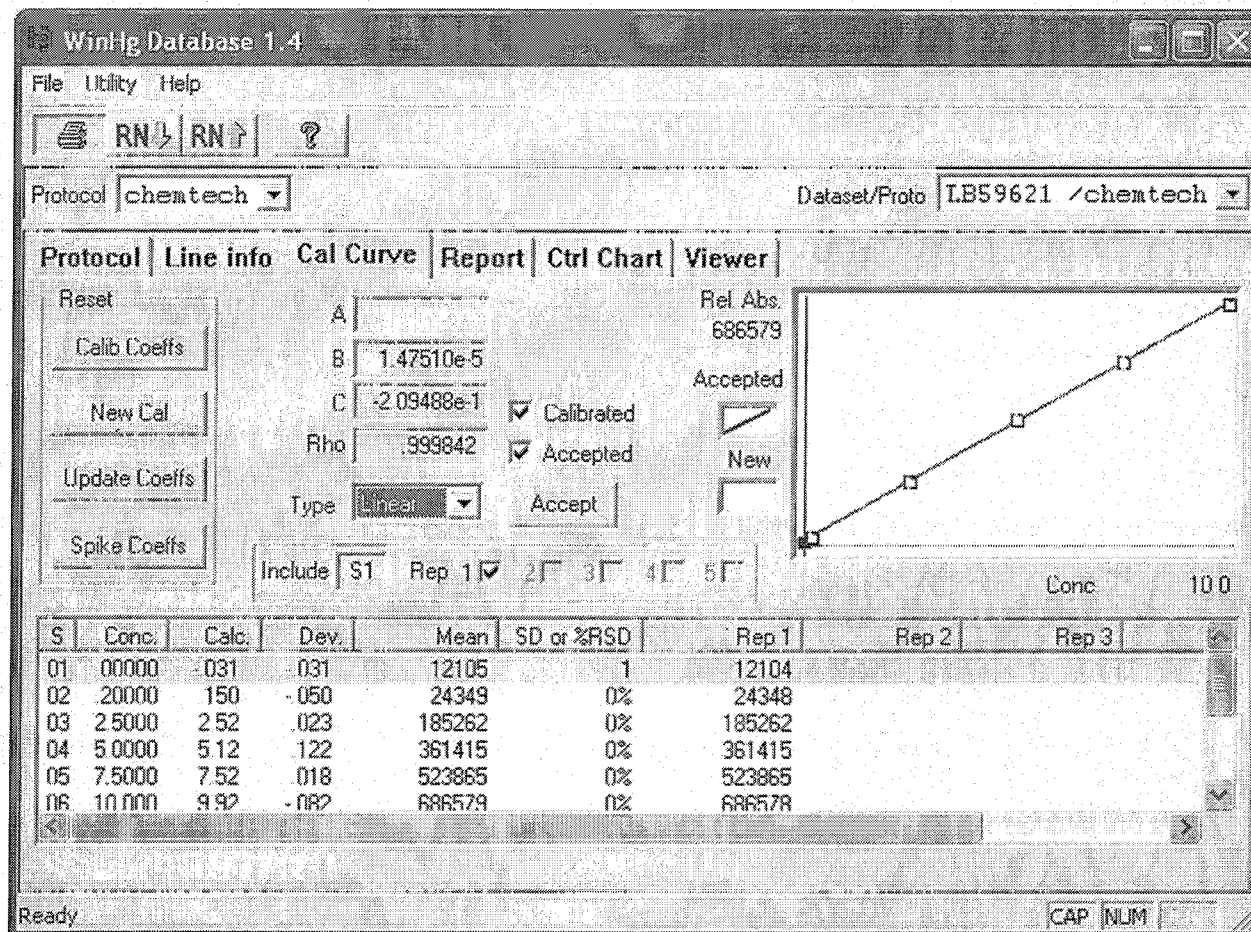
QA Control # A3040930

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Instrument ID: W2 LB 59621 A-P.

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

*** Standard: 1 Rep: 1			50	Seq: 1		12:13:13 06 Mar 12		HG
Hg	.000	ppb	12104					
*** Standard: 2 Rep: 1			50-2	Seq: 2		12:20:51 06 Mar 12		HG
Hg	.200	ppb	24348					
*** Standard: 3 Rep: 1			52.5	Seq: 3		12:25:51 06 Mar 12		HG
Hg	2.50	ppb	185262					
*** Standard: 4 Rep: 1			55.0	Seq: 4		12:27:53 06 Mar 12		HG
Hg	5.00	ppb	361415					
*** Standard: 5 Rep: 1			57.5	Seq: 5		12:29:53 06 Mar 12		HG
Hg	7.50	ppb	523865					
*** Standard: 6 Rep: 1			510.0	Seq: 6		12:32:38 06 Mar 12		HG
Hg	10.0	ppb	686578					

03/06/12 A-P.

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

***	Sample ID: ICV			Seq: 7		12:41:04	06 Mar 12	HG
			ICV					
Hg	3.89	ppb	.000	3.89				
***	Sample ID: ICB			Seq: 8		12:43:54	06 Mar 12	HG
			ICB					
Hg	-.105	ppb	.000	-.105				
***	Check Standard: 2 Ck2			Seq: 9		12:48:39	06 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	5.10	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq: 10		12:52:35	06 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.099	.200	ppb	.000			
***	Sample ID: CRA			Seq: 11		12:59:13	06 Mar 12	HG
			CRA					
Hg	.113	ppb	.000	.113				
***	Sample ID: HIGH STD			Seq: 12		13:02:14	06 Mar 12	HG
			HIGH STD					
Hg	9.80	ppb	.000	9.80				
***	Sample ID: CHK STD			Seq: 13		13:08:03	06 Mar 12	HG
			CHK STD					
Hg	6.91	ppb	.000	6.91				
***	Sample ID: D1707-04			Seq: 14		13:10:31	06 Mar 12	HG
			X10					
Hg	-.105	ppb	.000	-.105				

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

***	Sample ID: PB61522BL			Seq:	15	13:12:50 06 Mar 12 HG		
	PBS							
Hg	-.064	ppb	.000	- .064				
***	Sample ID: PB61522BS			Seq:	16	13:16:37 06 Mar 12 HG		
	LCSS							
Hg	3.75	ppb	.000	3.75				
***	Sample ID: PB61524BL			Seq:	17	13:18:36 06 Mar 12 HG		
	PBS							
Hg	-.055	ppb	.000	- .055				
***	Sample ID: PB61524BS			Seq:	18	13:22:33 06 Mar 12 HG		
	LCSS							
Hg	3.78	ppb	.000	3.78				
***	Check Standard: 2 Ck2			Seq:	19	13:24:32 06 Mar 12 HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.4	4.97	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq:	20	13:26:54 06 Mar 12 HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.071	.200	ppb	.000			
***	Sample ID: PB61525BL			Seq:	21	13:28:58 06 Mar 12 HG		
	PBS							
Hg	-.053	ppb	.000	- .053				
***	Sample ID: PB61525BS			Seq:	22	13:30:57 06 Mar 12 HG		
	LCSS							
Hg	3.70	ppb	.000	3.70				
***	Sample ID: PB61526BL			Seq:	23	13:32:56 06 Mar 12 HG		
	PBS							
Hg	-.070	ppb	.000	- .070				
***	Sample ID: PB61526BS			Seq:	24	13:34:56 06 Mar 12 HG		
	LCSS							
Hg	3.87	ppb	.000	3.87				
***	Sample ID: D1683-01			Seq:	25	13:37:16 06 Mar 12 HG		
Hg	.381	ppb	.000	.381				
***	Sample ID: D1683-02			Seq:	26	13:39:18 06 Mar 12 HG		
Hg	3.19	ppb	.000	3.19				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1683-03								
				Seq: 27		13:41:18 06 Mar 12		HG
Hg	1.30	ppb	.000	1.30				
*** Sample ID: D1683-04								
				Seq: 28		13:43:19 06 Mar 12		HG
Hg	1.00	ppb	.000	1.00				
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Seq: 29	13:46:12 06 Mar 12		HG
Hg		103.	5.13	5.00	Units	SD/RSD		
					ppb	.000		
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 30	13:48:32 06 Mar 12		HG
Hg		-.059	.200	ppb	SD/RSD			
					.000			
*** Sample ID: D1684-01								
				Seq: 31		13:50:32 06 Mar 12		HG
Hg	13.2	ppb	.000	13.2				
*** Sample ID: D1684-03								
				Seq: 32		13:52:54 06 Mar 12		HG
Hg	25.7	ppb	.000	25.7				
*** Sample ID: D1684-05								
				Seq: 33		13:54:57 06 Mar 12		HG
Hg	34.7	ppb	.000	34.7				
*** Sample ID: D1684-07								
				Seq: 34		13:58:53 06 Mar 12		HG
Hg	22.7	ppb	.000	22.7				
*** Sample ID: D1686-01								
				Seq: 35		14:00:56 06 Mar 12		HG
Hg	.963	ppb	.000	.963				
*** Sample ID: D1686-02								
				Seq: 36		14:03:40 06 Mar 12		HG
Hg	.934	ppb	.000	.934				
*** Sample ID: D1686-03								
				Seq: 37		14:09:55 06 Mar 12		HG
Hg	.652	ppb	.000	.652				
*** Sample ID: D1686-04								
				Seq: 38		14:14:52 06 Mar 12		HG
Hg	.801	ppb	.000	.801				

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

***	Check Standard: 2		Ck2		Seq:	39	14:19:53	06 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.	5.20	5.00	ppb	.000			
***	Check Standard: 1		Ck1		Seq:	40	14:23:09	06 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.070	.200	ppb	.000				
***	Sample ID: D1686-05				Seq:	41	14:25:10	06 Mar 12	HG
Hg	1.34	ppb	.000	1.34					
***	Sample ID: D1686-06				Seq:	42	14:27:08	06 Mar 12	HG
Hg	3.18	ppb	.000	3.18					
***	Sample ID: D1686-07				Seq:	43	14:29:08	06 Mar 12	HG
Hg	31.9	ppb	.000	31.9					
***	Sample ID: D1686-08				Seq:	44	14:31:08	06 Mar 12	HG
Hg	.547	ppb	.000	.547					
***	Sample ID: D1686-09				Seq:	45	14:33:40	06 Mar 12	HG
Hg	.869	ppb	.000	.869					
***	Sample ID: D1686-10				Seq:	46	14:35:44	06 Mar 12	HG
Hg	1.14	ppb	.000	1.14					
***	Sample ID: D1686-11				Seq:	47	14:37:57	06 Mar 12	HG
Hg	3.05	ppb	.000	3.05					
***	Sample ID: D1686-12				Seq:	48	14:40:42	06 Mar 12	HG
Hg	3.79	ppb	.000	3.79					
***	Check Standard: 2		Ck2		Seq:	49	14:42:44	06 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		102.	5.11	5.00	ppb	.000			
***	Check Standard: 1		Ck1		Seq:	50	14:45:22	06 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.061	.200	ppb	.000				

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

***	Sample ID: D1686-13			Seq:	51	14:47:24 06 Mar 12 HG		
Hg	.761	ppb	.000		.761			
***	Sample ID: D1686-14			Seq:	52	14:49:24 06 Mar 12 HG		
Hg	.653	ppb	.000		.653			
***	Sample ID: D1686-15			Seq:	53	14:52:29 06 Mar 12 HG		
Hg	.929	ppb	.000		.929			
***	Sample ID: D1686-16			Seq:	54	14:54:39 06 Mar 12 HG		
Hg	1.21	ppb	.000		1.21			
***	Sample ID: D1686-17			Seq:	55	14:56:38 06 Mar 12 HG		
Hg	.959	ppb	.000		.959			
***	Sample ID: D1686-18			Seq:	56	14:59:12 06 Mar 12 HG		
Hg	.563	ppb	.000		.563			
***	Sample ID: D1686-19			Seq:	57	15:01:32 06 Mar 12 HG		
Hg	.677	ppb	.000		.677			
***	Sample ID: D1686-19D			Seq:	58	15:03:34 06 Mar 12 HG		
Hg	.706	ppb	.000		.706			
***	Check Standard: 2 Ck2			Seq:	59	15:06:03 06 Mar 12 HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.	5.25	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq:	60	15:08:12 06 Mar 12 HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.058	.200	ppb	.000			
***	Sample ID: D1686-19L			Seq:	61	15:10:11 06 Mar 12 HG		
Hg	.063	ppb	.000		.063			
***	Sample ID: D1686-20			Seq:	62	15:12:11 06 Mar 12 HG		
Hg	4.87	ppb	.000		4.87			

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

***	Sample ID: D1686-21			Seq:	63	15:14:42 06 Mar 12			HG
Hg	4.81	ppb	.000	4.81					
***	Sample ID: D1686-19A			Seq:	64	15:16:41 06 Mar 12			HG
Hg	4.21	ppb	.000	4.21					
***	Sample ID: D1687-01			Seq:	65	15:18:55 06 Mar 12			HG
Hg	.419	ppb	.000	.419					
***	Sample ID: D1687-02			Seq:	66	15:20:55 06 Mar 12			HG
Hg	.608	ppb	.000	.608					
***	Sample ID: D1687-03			Seq:	67	15:23:10 06 Mar 12			HG
Hg	.539	ppb	.000	.539					
***	Sample ID: D1687-04			Seq:	68	15:25:20 06 Mar 12			HG
Hg	.994	ppb	.000	.994					
***	Check Standard: 2 Ck2			Seq:	69	15:28:16 06 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.	5.21	5.00	ppb	.000			
***	Check Standard: 1 Ck1			Seq:	70	15:30:29 06 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.062	.200	ppb	.000				
***	Sample ID: D1687-05			Seq:	71	15:32:49 06 Mar 12			HG
Hg	1.72	ppb	.000	1.72					
***	Sample ID: D1687-05D			Seq:	72	15:34:59 06 Mar 12			HG
Hg	1.50	ppb	.000	1.50					
***	Sample ID: D1687-05L			Seq:	73	15:36:58 06 Mar 12			HG
Hg	.272	ppb	.000	.272					
***	Sample ID: D1687-06			Seq:	74	15:40:30 06 Mar 12			HG
Hg	5.63	ppb	.000	5.63					

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

***	Sample ID: D1687-07			Seq:	75	15:42:31 06 Mar 12			HG
Hg	5.58	ppb	.000	5.58					
***	Sample ID: D1687-05A			Seq:	76	15:44:46 06 Mar 12			HG
Hg	5.62	ppb	.000	5.62					
***	Sample ID: D1687-08			Seq:	77	15:47:08 06 Mar 12			HG
Hg	1.63	ppb	.000	1.63					
***	Sample ID: D1687-09			Seq:	78	15:50:18 06 Mar 12			HG
Hg	1.93	ppb	.000	1.93					
***	Check Standard: 2 Ck2			Seq:	79	15:52:18 06 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.	5.20	5.00	ppb	.000			
***	Check Standard: 1 Ck1			Seq:	80	15:54:21 06 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.060	.200	ppb	.000				
***	Sample ID: D1687-10			Seq:	81	15:56:31 06 Mar 12			HG
Hg	.919	ppb	.000	.919					
***	Sample ID: D1687-11			Seq:	82	15:58:32 06 Mar 12			HG
Hg	.671	ppb	.000	.671					
***	Sample ID: D1687-12			Seq:	83	16:01:14 06 Mar 12			HG
Hg	.917	ppb	.000	.917					
***	Sample ID: D1687-13			Seq:	84	16:03:34 06 Mar 12			HG
Hg	.900	ppb	.000	.900					
***	Sample ID: D1687-14			Seq:	85	16:05:36 06 Mar 12			HG
Hg	4.39	ppb	.000	4.39					
***	Sample ID: D1687-15			Seq:	86	16:07:57 06 Mar 12			HG
Hg	.631	ppb	.000	.631					

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

***	Sample ID: D1687-16				Seq:	87	16:10:22 06 Mar 12			HG
Hg	1.57	ppb	.000		1.57					
***	Sample ID: D1687-16D				Seq:	88	16:12:26 06 Mar 12			HG
Hg	1.80	ppb	.000		1.80					
***	Check Standard: 2 Ck2				Seq:	89	16:14:41 06 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD				
Hg		103.	5.17	5.00	ppb	.000				
***	Check Standard: 1 Ck1				Seq:	90	16:16:40 06 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD					
Hg		-.058	.200	ppb	.000					
***	Sample ID: D1687-16L				Seq:	91	16:18:41 06 Mar 12			HG
Hg	.250	ppb	.000		.250					
***	Sample ID: D1687-17				Seq:	92	16:20:56 06 Mar 12			HG
Hg	5.85	ppb	.000		5.85					
***	Sample ID: D1687-18				Seq:	93	16:22:56 06 Mar 12			HG
Hg	5.78	ppb	.000		5.78					
***	Sample ID: D1687-16A				Seq:	94	16:24:58 06 Mar 12			HG
Hg	5.32	ppb	.000		5.32					
***	Sample ID: D1687-19				Seq:	95	16:27:39 06 Mar 12			HG
Hg	.418	ppb	.000		.418					
***	Sample ID: D1687-20				Seq:	96	16:30:10 06 Mar 12			HG
Hg	2.07	ppb	.000		2.07					
***	Sample ID: D1688-01				Seq:	97	16:32:19 06 Mar 12			HG
Hg	1.46	ppb	.000		1.46					
***	Sample ID: D1688-02				Seq:	98	16:34:49 06 Mar 12			HG
Hg	.942	ppb	.000		.942					

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

***	Check Standard: 2		Ck2		Seq:	99	16:36:51	06 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units		SD/RSD		
Hg		103.	5.17	5.00	ppb		.000		
***	Check Standard: 1		Ck1		Seq:	100	16:38:53	06 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.060	.200	ppb		.000			
***	Sample ID: D1688-03				Seq:	101	16:41:02	06 Mar 12	HG
Hg	1.11	ppb	.000		1.11				
***	Sample ID: D1688-04				Seq:	102	16:43:15	06 Mar 12	HG
Hg	.555	ppb	.000		.555				
***	Sample ID: D1688-05				Seq:	103	16:45:49	06 Mar 12	HG
Hg	2.06	ppb	.000		2.06				
***	Sample ID: D1688-06				Seq:	104	16:47:52	06 Mar 12	HG
Hg	1.42	ppb	.000		1.42				
***	Sample ID: D1688-07				Seq:	105	16:49:54	06 Mar 12	HG
Hg	27.0	ppb	.000		27.0				
***	Sample ID: D1688-08				Seq:	106	16:52:10	06 Mar 12	HG
Hg	.635	ppb	.000		.635				
***	Sample ID: D1688-09				Seq:	107	16:54:13	06 Mar 12	HG
Hg	.712	ppb	.000		.712				
***	Sample ID: D1688-10				Seq:	108	16:57:59	06 Mar 12	HG
Hg	1.03	ppb	.000		1.03				
***	Check Standard: 2		Ck2		Seq:	109	17:00:18	06 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units		SD/RSD		
Hg		104.	5.19	5.00	ppb		.000		
***	Check Standard: 1		Ck1		Seq:	110	17:02:27	06 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.057	.200	ppb		.000			

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

***	Sample ID: D1688-11			Seq:	111	17:12:13 06 Mar 12			HG
Hg	1.48	ppb	.000	1.48					
***	Sample ID: D1688-12			Seq:	112	17:17:09 06 Mar 12			HG
Hg	.833	ppb	.000	.833					
***	Sample ID: D1688-13			Seq:	113	17:21:03 06 Mar 12			HG
Hg	.522	ppb	.000	.522					
***	Sample ID: D1688-14			Seq:	114	17:23:58 06 Mar 12			HG
Hg	.530	ppb	.000	.530					
***	Sample ID: D1688-14D			Seq:	115	17:26:01 06 Mar 12			HG
Hg	.787	ppb	.000	.787					
***	Sample ID: D1688-14L			Seq:	116	17:28:02 06 Mar 12			HG
Hg	.043	ppb	.000	.043					
***	Sample ID: D1688-15			Seq:	117	17:30:23 06 Mar 12			HG
Hg	4.55	ppb	.000	4.55					
***	Sample ID: D1688-16			Seq:	118	17:32:33 06 Mar 12			HG
Hg	4.56	ppb	.000	4.56					
***	Check Standard: 2 Ck2			Seq:	119	17:34:37 06 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		103.	5.15	5.00	ppb	.000			
***	Check Standard: 1 Ck1			Seq:	120	17:36:36 06 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.065	.200	ppb	.000				
***	Sample ID: D1688-14A			Seq:	121	17:38:46 06 Mar 12			HG
Hg	4.59	ppb	.000	4.59					
***	Sample ID: D1688-17			Seq:	122	17:40:45 06 Mar 12			HG
Hg	1.72	ppb	.000	1.72					

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

***	Sample ID: D1688-18			Seq:	123	17:43:05 06 Mar 12			HG
Hg	1.42	ppb	.000	1.42					
***	Sample ID: D1688-19			Seq:	124	17:45:25 06 Mar 12			HG
Hg	.489	ppb	.000	.489					
***	Sample ID: D1688-20			Seq:	125	17:47:28 06 Mar 12			HG
Hg	.393	ppb	.000	.393					
***	Sample ID: D1688-21			Seq:	126	17:49:27 06 Mar 12			HG
Hg	1.27	ppb	.000	1.27					
***	Sample ID: D1688-22			Seq:	127	17:51:30 06 Mar 12			HG
Hg	1.06	ppb	.000	1.06					
***	Sample ID: D1697-04			Seq:	128	17:53:31 06 Mar 12			HG
Hg	.348	ppb	.000	.348					
***	Sample ID: D1697-05			Seq:	129	17:55:32 06 Mar 12			HG
Hg	.059	ppb	.000	.059					
***	Check Standard: 2 Ck2			Seq:	130	17:57:53 06 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		102.	5.11	5.00	ppb	.000			
***	Check Standard: 1 Ck1			Seq:	131	18:00:06 06 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.054	.200	ppb	.000				
***	Sample ID: D1684-01			Seq:	132	18:02:18 06 Mar 12			HG
			X2						
Hg	6.85	ppb	.000	6.85					
***	Sample ID: D1684-03			Seq:	133	18:04:18 06 Mar 12			HG
			X5						
Hg	5.57	ppb	.000	5.57					
***	Sample ID: D1684-05			Seq:	134	18:06:28 06 Mar 12			HG
			X10						
Hg	3.93	ppb	.000	3.93					

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

***	Sample ID: D1684-07			Seq:	135	18:08:43 06 Mar 12 HG		
			X5					
Hg	4.91	ppb	.000	4.91				
***	Sample ID: D1686-07			Seq:	136	18:10:49 06 Mar 12 HG		
			X10					
Hg	3.49	ppb	.000	3.49				
***	Sample ID: D1688-07			Seq:	137	18:13:25 06 Mar 12 HG		
			X10					
Hg	2.89	ppb	.000	2.89				
***	Check Standard: 2 Ck2			Seq:	138	18:15:25 06 Mar 12 HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.18	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq:	139	18:17:37 06 Mar 12 HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.050	.200	ppb	.000			