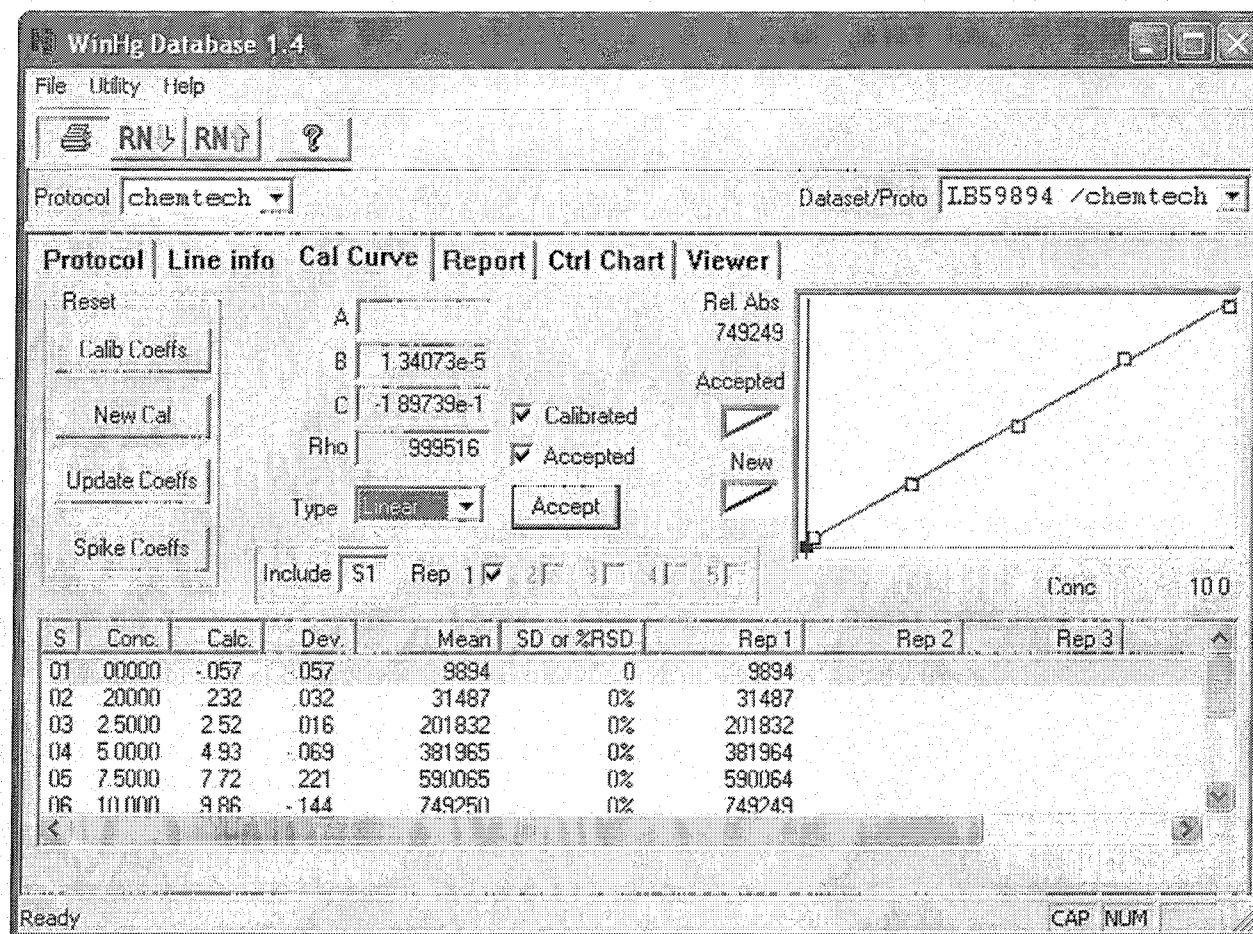


MERCURY ANALYSIS LOGBOOK

QA Control # A3040930QA Control # A3040930

L-35-98-94 A-8.



Instrument ID: W2 LB59894 A.P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1			50	Seq: 1		12:28:59 27 Mar 12	HG	
Hg	.000	ppb	9894					
*** Standard: 2 Rep: 1			50.2	Seq: 2		12:31:00 27 Mar 12	HG	
Hg	.200	ppb	31487					
*** Standard: 3 Rep: 1			52.5	Seq: 3		12:33:09 27 Mar 12	HG	
Hg	2.50	ppb	201832					
*** Standard: 4 Rep: 1			55.0	Seq: 4		12:35:37 27 Mar 12	HG	
Hg	5.00	ppb	381964					
*** Standard: 5 Rep: 1			57.5	Seq: 5		12:37:49 27 Mar 12	HG	
Hg	7.50	ppb	590064					
*** Standard: 6 Rep: 1			510.0	Seq: 6		12:40:46 27 Mar 12	HG	
Hg	10.0	ppb	749249					

03/27/12 A-R

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

***	Sample ID: ICV				Seq:	7	12:43:51	27 Mar 12	HG
			ICV						
Hg	4.07	ppb	.000		4.07				
***	Sample ID: ICB				Seq:	8	12:46:34	27 Mar 12	HG
			ICB						
Hg	-.093	ppb	.000		-.093				
***	Check Standard: 2 Ck2				Seq:	9	12:48:38	27 Mar 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		101.	5.07	5.00	ppb	.000			
***	Check Standard: 1 Ck1				Seq:	10	12:50:56	27 Mar 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.081	.200	ppb	.000				
***	Sample ID: CRA				Seq:	11	12:53:07	27 Mar 12	HG
			CRA						
Hg	.162	ppb	.000		.162				
***	Sample ID: HIGH STD				Seq:	12	12:55:06	27 Mar 12	HG
			HIGH STD						
Hg	10.1	ppb	.000		10.1				
***	Sample ID: CHK STD				Seq:	13	12:57:08	27 Mar 12	HG
			CHK STD						
Hg	7.20	ppb	.000		7.20				
***	Sample ID: D1938-01				Seq:	14	12:59:07	27 Mar 12	HG
Hg	1.12	ppb	.000		1.12				
***	Sample ID: PB61930BL				Seq:	15	13:01:07	27 Mar 12	HG
			PBS						
Hg	-.061	ppb	.000		-.061				
***	Sample ID: PB61930BS				Seq:	16	13:03:08	27 Mar 12	HG
			LCSS						
Hg	3.97	ppb	.000		3.97				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: PB61953BL Seq: 17 13:05:07 27 Mar 12 HG								
			PBS					
Hg	.040	ppb	.000	.040				
*** Sample ID: PB61953BS Seq: 18 13:07:14 27 Mar 12 HG								
			LCSS					
Hg	3.75	ppb	.000	3.75				
*** Check Standard: 2 Ck2 Seq: 19 13:09:23 27 Mar 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	5.12	5.00	ppb	.000		
*** Check Standard: 1 Ck1 Seq: 20 13:11:24 27 Mar 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.005	.200	ppb	.000			
*** Sample ID: PB61954BL Seq: 21 13:13:43 27 Mar 12 HG								
			PBS					
Hg	-.155	ppb	.000	-.155				
*** Sample ID: PB61954BS Seq: 22 13:15:46 27 Mar 12 HG								
			LCSS					
Hg	3.82	ppb	.000	3.82				
*** Sample ID: D1881-09 Seq: 23 13:17:51 27 Mar 12 HG								
Hg	.093	ppb	.000	.093				
*** Sample ID: D1881-10 Seq: 24 13:19:52 27 Mar 12 HG								
Hg	-.033	ppb	.000	-.033				
*** Sample ID: D1881-10D Seq: 25 13:21:52 27 Mar 12 HG								
Hg	.095	ppb	.000	.095				
*** Sample ID: D1881-10L Seq: 26 13:24:18 27 Mar 12 HG								
Hg	.039	ppb	.000	.039				
*** Sample ID: D1881-11 Seq: 27 13:26:30 27 Mar 12 HG								
Hg	3.85	ppb	.000	3.85				
*** Sample ID: D1881-12 Seq: 28 13:28:45 27 Mar 12 HG								
Hg	3.75	ppb	.000	3.75				

Protocol: chemtech

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 30	13:32:52 27 Mar 12	HG
Hg		105.	5.23	5.00	ppb	SD/RSD		
						.000		
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 31	13:35:02 27 Mar 12	HG	
Hg		-.121	.200	ppb	SD/RSD			
					.000			
*** Sample ID: D1881-10A								
					Seq: 32	13:37:22 27 Mar 12	HG	
Hg	4.08	ppb	.000	4.08				
*** Sample ID: D1881-13								
					Seq: 33	13:39:54 27 Mar 12	HG	
Hg	.141	ppb	.000	.141				
*** Sample ID: D1881-14								
					Seq: 34	13:43:05 27 Mar 12	HG	
Hg	.090	ppb	.000	.090				
*** Sample ID: D1921-01								
					Seq: 35	13:45:05 27 Mar 12	HG	
Hg	1.17	ppb	.000	1.17				
*** Sample ID: D1921-02								
					Seq: 36	13:47:16 27 Mar 12	HG	
Hg	.912	ppb	.000	.912				
*** Sample ID: D1921-03								
					Seq: 37	13:49:27 27 Mar 12	HG	
Hg	2.39	ppb	.000	2.39				
*** Sample ID: D1921-04								
					Seq: 38	13:51:59 27 Mar 12	HG	
Hg	1.93	ppb	.000	1.93				
*** Sample ID: D1921-05								
					Seq: 39	13:54:10 27 Mar 12	HG	
Hg	1.07	ppb	.000	1.07				

Protocol: chemtech

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 40	13:56:29 27 Mar 12	HG
Hg		106.	5.28	5.00	ppb	SD/RSD	.000	
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 41	13:59:20 27 Mar 12	HG	
Hg		-.185	.200	ppb	SD/RSD	.000		
*** Sample ID: D1921-06								
					Seq: 42	14:01:23 27 Mar 12	HG	
Hg	1.88	ppb	.000	1.88				
*** Sample ID: D1921-07								
					Seq: 43	14:03:24 27 Mar 12	HG	
Hg	1.29	ppb	.000	1.29				
*** Sample ID: D1921-08								
					Seq: 44	14:06:58 27 Mar 12	HG	
Hg	1.49	ppb	.000	1.49				
*** Sample ID: D1921-09								
					Seq: 45	14:09:38 27 Mar 12	HG	
Hg	1.77	ppb	.000	1.77				
*** Sample ID: D1921-10								
					Seq: 46	14:11:40 27 Mar 12	HG	
Hg	2.34	ppb	.000	2.34				
*** Sample ID: D1921-11								
					Seq: 47	14:13:47 27 Mar 12	HG	
Hg	1.72	ppb	.000	1.72				
*** Sample ID: D1921-12								
					Seq: 48	14:16:00 27 Mar 12	HG	
Hg	2.00	ppb	.000	2.00				
*** Sample ID: D1921-13								
					Seq: 49	14:18:00 27 Mar 12	HG	
Hg	1.03	ppb	.000	1.03				

Protocol: chemtech

POST-RUN REPORT

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

*** Check Standard: 2 Ck2 Seq: 51 14:33:09 27 Mar 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	5.34	5.00	ppb	.000

*** Check Standard: 1 Ck1 Seq: 52 14:35:19 27 Mar 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.045	.200	ppb	.000

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

***	Sample ID: D1921-14			Seq:	53	14:37:29 27 Mar 12 HG		
Hg	.639	ppb	.000	.639				
***	Sample ID: D1921-15			Seq:	54	14:39:28 27 Mar 12 HG		
Hg	.761	ppb	.000	.761				
***	Sample ID: D1921-16			Seq:	55	14:42:02 27 Mar 12 HG		
Hg	1.39	ppb	.000	1.39				
***	Sample ID: D1921-17			Seq:	56	14:44:08 27 Mar 12 HG		
Hg	2.14	ppb	.000	2.14				
***	Sample ID: D1921-18			Seq:	57	14:46:19 27 Mar 12 HG		
Hg	2.69	ppb	.000	2.69				
***	Sample ID: D1921-19			Seq:	58	14:48:21 27 Mar 12 HG		
Hg	1.18	ppb	.000	1.18				
***	Sample ID: D1921-19D			Seq:	59	14:51:02 27 Mar 12 HG		
Hg	1.08	ppb	.000	1.08				
***	Sample ID: D1921-19L			Seq:	60	14:53:05 27 Mar 12 HG		
Hg	.018	ppb	.000	.018				
***	Check Standard: 2 Ck2			Seq:	61	14:55:46 27 Mar 12 HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.18	5.00	ppb	.000		
***	Check Standard: 1 Ck1			Seq:	62	14:57:46 27 Mar 12 HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.035	.200	ppb	.000			
***	Sample ID: D1921-20			Seq:	63	15:00:10 27 Mar 12 HG		
Hg	5.07	ppb	.000	5.07				
***	Sample ID: D1921-21			Seq:	64	15:03:14 27 Mar 12 HG		
Hg	4.95	ppb	.000	4.95				

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

***	Sample ID: D1921-19A			Seq:	65	15:05:15 27 Mar 12			HG
Hg	4.90	ppb	.000	4.90					
***	Sample ID: D1921-22			Seq:	66	15:07:35 27 Mar 12			HG
Hg	.420	ppb	.000	.420					
***	Sample ID: D1921-23			Seq:	67	15:10:34 27 Mar 12			HG
Hg	.907	ppb	.000	.907					
***	Sample ID: D1946-01			Seq:	68	15:13:04 27 Mar 12			HG
Hg	4.51	ppb	.000	4.51					
***	Sample ID: D1962-01			Seq:	69	15:15:04 27 Mar 12			HG
Hg	.093	ppb	.000	.093					
***	Check Standard: 2 Ck2			Seq:	70	15:17:23 27 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		96.0	4.80	5.00	ppb	.000			
***	Check Standard: 1 Ck1			Seq:	71	15:19:26 27 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.088	.200	ppb	.000				
***	Sample ID: D1962-02			Seq:	72	15:21:45 27 Mar 12			HG
Hg	-.031	ppb	.000	-.031					
***	Sample ID: D1962-03			Seq:	73	15:24:25 27 Mar 12			HG
Hg	-.060	ppb	.000	-.060					
***	Sample ID: D1962-05			Seq:	74	15:26:49 27 Mar 12			HG
Hg	.111	ppb	.000	.111					
***	Sample ID: D1962-06			Seq:	75	15:28:55 27 Mar 12			HG
Hg	.334	ppb	.000	.334					
***	Sample ID: D1962-07			Seq:	76	15:31:30 27 Mar 12			HG
Hg	25.2	ppb	.000	25.2					

Protocol: chemtech

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1962-08								
				Seq: 77	15:33:31	27 Mar 12	HG	
Hg	1.70	ppb	.000	1.70				
=====								
*** Sample ID: D1962-09								
				Seq: 78	15:35:35	27 Mar 12	HG	
Hg	.081	ppb	.000	.081				
=====								
*** Sample ID: D1962-09D								
				Seq: 79	15:37:48	27 Mar 12	HG	
Hg	-.011	ppb	.000	-.011				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rev.	Found	True	Units	SD/RSD		
Hg		94.9	4.74	5.00	ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.110	.200	ppb	.000			
=====								
*** Sample ID: D1962-09L								
				Seq: 83	15:52:57	27 Mar 12	HG	
Hg	-.015	ppb	.000	-.015				
=====								
*** Sample ID: D1962-10								
				Seq: 84	15:54:58	27 Mar 12	HG	
Hg	3.69	ppb	.000	3.69				
=====								
*** Sample ID: D1962-11								
				Seq: 85	15:57:01	27 Mar 12	HG	
Hg	3.62	ppb	.000	3.62				
=====								
*** Sample ID: D1962-09A								
				Seq: 86	15:59:01	27 Mar 12	HG	
Hg	3.69	ppb	.000	3.69				
=====								
*** Sample ID: D1962-12								
				Seq: 87	16:01:02	27 Mar 12	HG	
Hg	1.73	ppb	.000	1.73				
=====								

Protocol: chemtech

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1962-13								
				Seq: 88	16:03:17	27 Mar 12	HG	
Hg	1.42	ppb	.000	1.42				
*** Sample ID: D1962-14								
				Seq: 89	16:05:33	27 Mar 12	HG	
Hg	-.082	ppb	.000	-.082				
*** Sample ID: D1962-15								
				Seq: 90	16:07:36	27 Mar 12	HG	
Hg	-.025	ppb	.000	-.025				
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		90.6	4.53	5.00	ppb	.000		
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.153	.200	ppb	.000			
*** Sample ID: D1962-16								
				Seq: 94	16:26:17	27 Mar 12	HG	
Hg	.047	ppb	.000	.047				
*** Sample ID: D1962-17								
				Seq: 95	16:28:34	27 Mar 12	HG	
Hg	-.176	ppb	.000	-.176				
*** Sample ID: D1962-18								
				Seq: 96	16:30:34	27 Mar 12	HG	
Hg	.119	ppb	.000	.119				
*** Sample ID: D1962-19								
				Seq: 97	16:32:35	27 Mar 12	HG	
Hg	.131	ppb	.000	.131				
*** Sample ID: D1973-01								
				Seq: 98	16:34:36	27 Mar 12	HG	
Hg	.067	ppb	.000	.067				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1881-17				Seq: 99		16:36:40	27 Mar 12	HG
Hg	.512	ppb	.000	.512				
*** Sample ID: LOD				Seq: 100		16:38:51	27 Mar 12	HG
Hg	.069	ppb	.000	.069				

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

*** Sample ID: LOQ				Seq: 101	16:40:53 27 Mar 12			HG
Hg	.347	ppb	.000	.347				
*** Check Standard: 2 Ck2				Seq: 102	16:43:06 27 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		95.7	4.79	5.00	ppb	.000		
*** Check Standard: 1 Ck1				Seq: 103	16:45:17 27 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.091	.200	ppb	.000			
*** Sample ID: D1962-07				Seq: 104	16:47:28 27 Mar 12			HG
				X5				
Hg	5.60	ppb	.000	5.60				
*** Check Standard: 2 Ck2				Seq: 105	16:49:58 27 Mar 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.7	4.89	5.00	ppb	.000		
*** Check Standard: 1 Ck1				Seq: 106	16:52:00 27 Mar 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.130	.200	ppb	.000			