

MERCURY ANALYSIS LOGBOOK

Date	Case Number	Batch Number	Start Time	BLK	STD1	STD2	STD3	STD4
03/30/12	D1952	PB 61999	8:30	5435	19684	18869	571828	549890
	D1952	PB 62004	↓	↓	↓	↓	↓	↓
	D1982	↓	↓	↓	↓	↓	↓	↓
04/02/12	D1557	PB 62076	9:18	10814	16099	146747	267019	310832
	D1989	↓	↓	↓	↓	↓	↓	↓
	D2030	↓	↓	↓	↓	↓	↓	↓
	L0D	↓	↓	↓	↓	↓	↓	↓
	L0Q	↓	↓	↓	↓	↓	↓	↓
04/02/12	D2002	PB 62065	11:22	12992	5950	140306	351944	505865
	D1991	PB 62061	↓	↓	↓	↓	↓	↓
	D1993	PB 62062	↓	↓	↓	↓	↓	↓
	D2003	PB 62065	↓	↓	↓	↓	↓	↓
	D2007	↓	↓	↓	↓	↓	↓	↓
	D2008	PB 62063	↓	↓	↓	↓	↓	↓
	D2009	PB 62064	↓	↓	↓	↓	↓	↓
	D2013	↓	↓	↓	↓	↓	↓	↓
	D2014	↓	↓	↓	↓	↓	↓	↓
04/03/12	D2007	PB 62064	9:14	2768	17937	189385	353355	556706
	D1991	PB 62061	↓	↓	↓	↓	↓	↓
	D2014	PB 62064	↓	↓	↓	↓	↓	↓
	D2007	PB 62065	↓	↓	↓	↓	↓	↓
04/10/12	D2071	PB 62244	9:40	5391	11507	140331	249758	307713
	D2077	↓	↓	↓	↓	↓	↓	↓
	D2080	↓	↓	↓	↓	↓	↓	↓
04/10/12	D2073	PB 62242	12:30	8919	21414	171039	358212	460831
	D2059	PB 62241	↓	↓	↓	↓	↓	↓
	D2070	↓	↓	↓	↓	↓	↓	↓
	D2077	PB 62242	↓	↓	↓	↓	↓	↓

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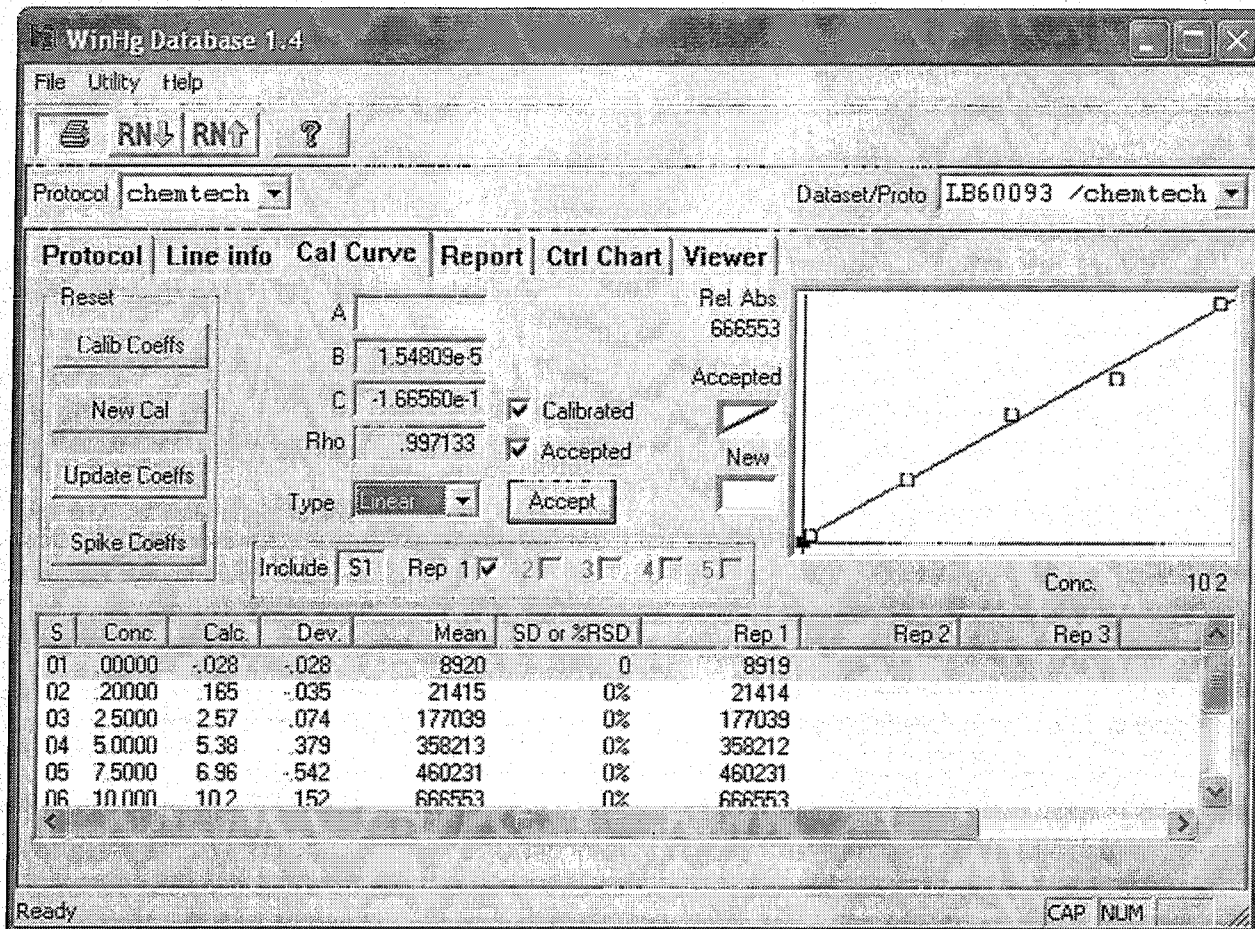
MERCURY ANALYSIS LOGBOOK

STD 5	End Time	Correlation Coefficient	Stannous Chloride Prep log #	Comment	Analyst	Supervisor Signature
11075	10:24	0.99819	ml 10951		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
553194	10:52	0.99860	ml 10989		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
668265	14:28	0.99387	ml 10989		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
740141	10:23	0.99834	ml 10989		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
46300	11:37	0.997344	ml 11052		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
666553	16:36	0.997133	ml 11052		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]
	↓	↓	↓		A-J-Pahl	[Signature]

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1 B60093A-P



Instrument ID: W2 LB60093 A.P

MERCURY RAW DATA
12:30:23 10 Apr 2012

Folder: LB60093
Protocol: chemtech

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1			<i>50</i>	Seq: 1		12:30:23 10 Apr 12	HG	
Hg	.000	ppb	8919					
*** Standard: 2 Rep: 1			<i>50.2</i>	Seq: 2		12:32:28 10 Apr 12	HG	
Hg	.200	ppb	21414					
*** Standard: 3 Rep: 1			<i>52.5</i>	Seq: 3		12:34:47 10 Apr 12	HG	
Hg	2.50	ppb	177039					
*** Standard: 4 Rep: 1			<i>55.0</i>	Seq: 4		12:37:38 10 Apr 12	HG	
Hg	5.00	ppb	358212					
*** Standard: 5 Rep: 1			<i>57.5</i>	Seq: 5		12:39:45 10 Apr 12	HG	
Hg	7.50	ppb	460231					
*** Standard: 6 Rep: 1			<i>≤ 10.0</i>	Seq: 6		12:42:04 10 Apr 12	HG	
Hg	10.0	ppb	666553					

04/10/12 A.P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV								
			ICV	Seq: 7	12:47:08	10 Apr 12	HG	
Hg	3.91	ppb	.000	3.91				
=====								
*** Sample ID: ICB								
			ICB	Seq: 8	12:49:10	10 Apr 12	HG	
Hg	-.058	ppb	.000	-.058				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.	5.24	5.00	ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.125	.200	ppb	.000			
=====								
*** Sample ID: CRA								
			CRA	Seq: 11	12:56:10	10 Apr 12	HG	
Hg	.065	ppb	.000	.065				
=====								
*** Sample ID: HIGH STD								
			HIGH STD	Seq: 13	13:00:29	10 Apr 12	HG	
Hg	10.8	ppb	.000	10.8				
=====								
*** Sample ID: CHK STD								
			CHK STD	Seq: 14	13:03:10	10 Apr 12	HG	
Hg	6.35	ppb	.000	6.35				
=====								
*** Sample ID: PB62242BL								
			PBW	Seq: 15	13:07:48	10 Apr 12	HG	
Hg	-.147	ppb	.000	-.147				
=====								
*** Sample ID: PB62242BS								
			LCSW	Seq: 16	13:10:28	10 Apr 12	HG	
Hg	3.70	ppb	.000	3.70				
=====								
*** Sample ID: D2073-02								
				Seq: 18	13:16:05	10 Apr 12	HG	
Hg	-.138	ppb	.000	-.138				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D2073-02D								
				Seq: 19	13:18:18	10 Apr 12	HG	
Hg	-.277	ppb	.000	-.277				=
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		107.	5.36	5.00	ppb	.000		=
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.168	.200	ppb	.000			=
*** Sample ID: D2073-02L								
				Seq: 22	13:24:45	10 Apr 12	HG	
Hg	-.066	ppb	.000	-.066				=
*** Sample ID: D2073-02S								
				Seq: 23	13:27:07	10 Apr 12	HG	
Hg	3.78	ppb	.000	3.78				=
*** Sample ID: D2073-02SD								
				Seq: 24	13:29:18	10 Apr 12	HG	
Hg	3.84	ppb	.000	3.84				=
*** Sample ID: D2073-02A								
				Seq: 25	13:31:16	10 Apr 12	HG	
Hg	3.73	ppb	.000	3.73				=
*** Sample ID: PB62241BL								
				Seq: 26	13:33:28	10 Apr 12	HG	
Hg	-.069	ppb	.000	-.069				=
*** Sample ID: PB62241BS								
				Seq: 27	13:35:30	10 Apr 12	HG	
Hg	4.02	ppb	.000	4.02				=
*** Sample ID: PB62243BL								
				Seq: 28	13:37:32	10 Apr 12	HG	
Hg	-.135	ppb	.000	-.135				=

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	13:42:00	10 Apr 12 HG
Hg		98.1	4.91	5.00	ppb	SD/RSD		
						.000		
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 31	13:44:00	10 Apr 12 HG	
Hg		-.137	.200	ppb	SD/RSD			
					.000			
*** Sample ID: D2059-01								
					Seq: 32	13:46:02	10 Apr 12 HG	
Hg	-.054	ppb	.000	-.054				
=====								
*** Sample ID: D2070-02								
					Seq: 33	13:48:35	10 Apr 12 HG	
Hg	-.270	ppb	.000	-.270				
=====								
*** Sample ID: D2070-03								
					Seq: 34	13:50:37	10 Apr 12 HG	
Hg	-.178	ppb	.000	-.178				
=====								
*** Sample ID: D2070-03D								
					Seq: 35	13:52:37	10 Apr 12 HG	
Hg	.021	ppb	.000	.021				
=====								
*** Sample ID: D2070-03L								
					Seq: 36	13:54:36	10 Apr 12 HG	
Hg	.028	ppb	.000	.028				
=====								
*** Sample ID: D2070-03S								
					Seq: 37	13:57:08	10 Apr 12 HG	
Hg	3.75	ppb	.000	3.75				
=====								
*** Sample ID: D2070-03SD								
					Seq: 38	13:59:08	10 Apr 12 HG	
Hg	3.68	ppb	.000	3.68				
=====								
*** Sample ID: D2070-03A								
					Seq: 39	14:01:09	10 Apr 12 HG	
Hg	3.84	ppb	.000	3.84				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 40	14:03:28 10 Apr 12	HG
Hg		97.6	4.88	5.00	ppb	SD/RSD	.000	
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 41	14:07:23 10 Apr 12	HG	
Hg		-.097	.200	ppb	SD/RSD	.000		
*** Sample ID: D2070-04								
					Seq: 42	14:10:18 10 Apr 12	HG	
Hg	22.0	ppb	.000	22.0				
*** Sample ID: D2070-05								
					Seq: 43	14:13:03 10 Apr 12	HG	
Hg	23.4	ppb	.000	23.4				
*** Sample ID: D2077-03								
					Seq: 44	14:15:53 10 Apr 12	HG	
Hg	-.277	ppb	.000	-.277				
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	Seq: 50	14:28:50 10 Apr 12	HG
Hg		93.3	4.66	5.00	ppb	SD/RSD	.000	
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 52	14:48:12 10 Apr 12	HG	
Hg		.071	.200	ppb	SD/RSD	.000		
*** Sample ID: D2077-08								
					Seq: 55	14:54:35 10 Apr 12	HG	
Hg	-.097	ppb	.000	-.097				
*** Sample ID: D2077-09								
					Seq: 56	14:56:46 10 Apr 12	HG	
Hg	-.149	ppb	.000	-.149				
*** Sample ID: D2077-10								
					Seq: 57	14:58:55 10 Apr 12	HG	
Hg	-.209	ppb	.000	-.209				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D2077-11								
				Seq: 58	15:01:28	10 Apr 12	HG	
Hg	-.249	ppb	.000	-.249				
=====								
*** Sample ID: D2077-12								
				Seq: 59	15:03:38	10 Apr 12	HG	
Hg	-.215	ppb	.000	-.215				
=====								
*** Sample ID: D2077-13								
				Seq: 60	15:05:43	10 Apr 12	HG	
Hg	-.087	ppb	.000	-.087				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Seq: 62	15:14:46	10 Apr 12	HG
Hg		94.1	4.71	5.00	Units	SD/RSD		
					ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	Seq: 63	15:16:58	10 Apr 12	HG
Hg		.016	.200	ppb	SD/RSD	.000		
=====								
*** Sample ID: D2077-14								
				Seq: 64	15:19:01	10 Apr 12	HG	
Hg	.126	ppb	.000	.126				
=====								
*** Sample ID: D2077-15								
				Seq: 65	15:21:05	10 Apr 12	HG	
Hg	.255	ppb	.000	.255				
=====								
*** Sample ID: D2077-16								
				Seq: 66	15:23:51	10 Apr 12	HG	
Hg	.120	ppb	.000	.120				
=====								
*** Sample ID: D2077-17								
				Seq: 67	15:25:53	10 Apr 12	HG	
Hg	-.101	ppb	.000	-.101				
=====								
*** Sample ID: D2077-18								
				Seq: 68	15:28:34	10 Apr 12	HG	
Hg	.085	ppb	.000	.085				
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D2077-19								
				Seq: 69	15:31:05	10 Apr 12	HG	
Hg	1.17	ppb	.000	1.17				=
*** Sample ID: PB62168EB								
				Seq: 70	15:33:09	10 Apr 12	HG	
				FLUID#1(04/04/12)				
Hg	-.066	ppb	.000	-.066				=
*** Sample ID: D2077-05								
				Seq: 71	15:35:33	10 Apr 12	HG	
Hg	-.064	ppb	.000	-.064				=
*** Check Standard: 2 Ck2								
				Seq: 73	15:41:05	10 Apr 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.4	4.92	5.00	ppb	.000		=
*** Check Standard: 1 Ck1								
				Seq: 75	15:45:24	10 Apr 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.060	.200	ppb	.000			=
*** Sample ID: D2077-05D PB62243BS a.p. 04/10/12								
				Seq: 76	15:47:22	10 Apr 12	HG	
Hg	4.08	ppb	.000	4.08				=
*** Sample ID: D2077-05D								
				Seq: 77	15:49:44	10 Apr 12	HG	
Hg	-.289	ppb	.000	-.289				=
*** Sample ID: D2070-04								
			X5	Seq: 78	15:53:05	10 Apr 12	HG	
Hg	4.30	ppb	.000	4.30				=
*** Sample ID: D2070-05								
			X5	Seq: 79	15:55:51	10 Apr 12	HG	
Hg	4.99	ppb	.000	4.99				=
*** Sample ID: D2070-03 D2077-05 a.p. 04/10/12								
				Seq: 81	16:00:00	10 Apr 12	HG	
Hg	3.41	ppb	.000	3.41				=

Protocol: chemtech

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D2077-06								
				Seq: 82	16:02:02	10 Apr 12	HG	
Hg	3.57	ppb	.000	3.57				
=====								
*** Sample ID: D2077-07								
				Seq: 83	16:06:50	10 Apr 12	HG	
Hg	3.50	ppb	.000	3.50				
=====								
*** Sample ID: D2077-05A <i>211111 04/10/12</i>								
				Seq: 84	16:09:31	10 Apr 12	HG	
Hg	-.070	ppb	.000	-.070				
=====								
*** Sample ID: ZZZZZZ								
				Seq: 85	16:11:59	10 Apr 12	HG	
Hg	-.192	ppb	.000	-.192				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		90.3	4.52	5.00	ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.015	.200	ppb	.000			
=====								
*** Sample ID: D2077-04								
				Seq: 88	16:24:43	10 Apr 12	HG	
Hg	2.41	ppb	.000	2.41				
=====								
*** Check Standard: 2 Ck2								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.5	4.92	5.00	ppb	.000		
=====								
*** Check Standard: 1 Ck1								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.188	.200	ppb	.000			
=====								