CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

MERCURY ANALYSIS LOGBOOK

LB59371 (cv2)

Date	Case Number	Batch Number	Start Time	BLK	STD1	STD2	STD3	STD4
02/13/12	D1448	PB 61121	16:06	276	124550	172709	317795	477630
	D1449							
	D1454							
	D1455							
	D1468	PB61137						
	D1470							
	D1472							
02/14/12	D1308	—	16:13	-145	128526	171929	314777	466360
02/15/12	D1466	PB61171	10:26	961	140997	152460	266730	444515
	D1467							
	D1468							
	D1469							
	D1493							
	D1496							
	D1501	PB 61192						
	D1505							
02/15/12	D1466	PB61174	13:40	464	138516	137092	264418	397376
	D1472							
	D1493							
	D1239	PB61172						
	D1477							
	D1476	PB61173						
	D1495							
	D1496							
02/16/12	D1402	PB 61197	10:16	-2257	164671	188061	369987	555290
	D1403	PB61196						
	D1404	PB61199						

STD 5	End Time	Correlation Coeficient	Stannous Chloride Prep log #	Comment	Analyst	Supervisor Signature
617660	19:29	.999489	mp10541		A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
629348	17:01	.999585	mp10543		A-J-Patel	
575162	13:05	.999697	mp10561		A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
539266	17:13	.999872	mp10561		A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
					A-J-Patel	
7284488	15:08	.999909	mp10575	ICV-55 PeB-55 CCV-99,51,52,53,54,55,56,57,58 CCB-99,51,52,53,54,55,56,57,58	A-J-Patel	
					A-J-Patel	
					A-J-Patel	

QA Control # A3040930

Page 48

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

MERCURY ANALYSIS LOGBOOK

QA Control # A3040930

LB59371 AP.

Page 49

WinHg Database 1.4

File Utility Help

RN RN ?

Protocol: chemtech — Dataset/Proto: IB59371 /chemtech

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A:

B: 1.36689e-5 (Slope)

C: 2.92553e-2 (Y=Intercept)

Rho: .999909

☑ Calibrated

☑ Accepted

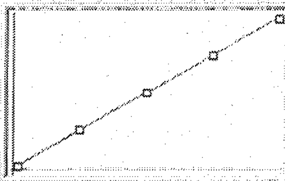
Type:

Accept

Rel. Abs 728488

Accepted

New



Include: S1 Rep 1 ☑

A-P. 02/16/12

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	
01	.00000	-.060	.060	-2258	1	-2257			B
02	.20000	.201	.001	16871	0%	16871			-1
03	2.5000	2.54	.041	188061	0%	188061			-2
04	5.0000	5.03	.028	369988	0%	369987			-1
05	7.5000	7.56	.061	555291	0%	555290			-1
06	10.000	9.93	-.072	728489	0%	728488			1

A-P. 02/16/12

Ready — CAP NUM

Instrument ID: Q2 LB59371 A.P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1	50			Seq: 1		10:16:44 16 Feb 12			HG
Hg	.000	ppb	-2257						
*** Standard: 2 Rep: 1	50.2			Seq: 2		10:18:53 16 Feb 12			HG
Hg	.200	ppb	16871						
*** Standard: 3 Rep: 1	52.5			Seq: 3		10:20:57 16 Feb 12			HG
Hg	2.50	ppb	188061						
*** Standard: 4 Rep: 1	55.0			Seq: 4		10:22:57 16 Feb 12			HG
Hg	5.00	ppb	369987						
*** Standard: 5 Rep: 1	57.5			Seq: 5		10:25:00 16 Feb 12			HG
Hg	7.50	ppb	555290						
*** Standard: 6 Rep: 1	510.0			Seq: 6		10:28:31 16 Feb 12			HG
Hg	10.0	ppb	728488						

02 1/6 12 A.P.

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: ICV				Seq: 7		10:35:37 16 Feb 12			HG
				ICV58					
Hg	4.06	ppb	.000	4.06					
*** Sample ID: ICB				Seq: 8		10:38:21 16 Feb 12			HG
				ICB58					
Hg	-.006	ppb	.000	-.006					
*** Sample ID: CCV				Seq: 9		10:40:37 16 Feb 12			HG
				CCV99					
Hg	5.16	ppb	.000	5.16					
*** Sample ID: CCB				Seq: 10		10:43:33 16 Feb 12			HG
				CCB99					
Hg	-.012	ppb	.000	-.012					
*** Sample ID: PB61197BL				Seq: 11		10:45:35 16 Feb 12			HG
				PBS01					
Hg	-.059	ppb	.000	-.059					
*** Sample ID: D1402-01				Seq: 12		10:47:56 16 Feb 12			HG
				MJRBN3					
Hg	20.9	ppb	.000	20.9					
*** Sample ID: D1402-02				Seq: 13		10:50:17 16 Feb 12			HG
				MJRBN4					
Hg	25.7	ppb	.000	25.7					
*** Sample ID: D1402-03				Seq: 14		10:59:54 16 Feb 12			HG
				MJRBN5					
Hg	23.1	ppb	.000	23.1					
*** Sample ID: D1402-04				Seq: 15		11:06:25 16 Feb 12			HG
				MJRBN6					
Hg	.388	ppb	.000	.388					
*** Sample ID: D1402-05				Seq: 16		11:08:26 16 Feb 12			HG
				MJRBN7					
Hg	.117	ppb	.000	.117					
*** Sample ID: D1402-06				Seq: 17		11:10:36 16 Feb 12			HG
				MJRBN8					
Hg	.075	ppb	.000	.075					
*** Sample ID: D1402-07				Seq: 18		11:12:37 16 Feb 12			HG
				MJRBN9					
Hg	7.71	ppb	.000	7.71					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: D1402-08					Seq: 19	11:14:38 16 Feb 12			HG
				MJRBP0					
Hg	20.0	ppb	.000	20.0					
*** Sample ID: D1402-09					Seq: 20	11:17:06 16 Feb 12			HG
				MJRBP0D					
Hg	21.0	ppb	.000	21.0					
*** Sample ID: D1402-10					Seq: 21	11:19:07 16 Feb 12			HG
				MJRBP0S					
Hg	23.0	ppb	.000	23.0					
*** Sample ID: D1402-11					Seq: 22	11:21:06 16 Feb 12			HG
				MJRBP1					
Hg	.034	ppb	.000	.034					
*** Sample ID: CCV			CCV51 ~~CCV99~~		A-p.02116/12 Seq: 23	11:23:04 16 Feb 12			HG
Hg	5.05	ppb	.000	5.05					
*** Sample ID: CCB			CCB51 ~~CCB99~~		A-p.02116/12 Seq: 24	11:25:07 16 Feb 12			HG
Hg	-.031	ppb	.000	-.031					
*** Sample ID: D1402-12					Seq: 25	11:27:10 16 Feb 12			HG
				MJRBP2					
Hg	10.6	ppb	.000	10.6					
*** Sample ID: D1402-13					Seq: 26	11:29:11 16 Feb 12			HG
				MJRBP3					
Hg	32.9	ppb	.000	32.9					
*** Sample ID: D1402-14					Seq: 27	11:31:21 16 Feb 12			HG
				MJRBP4					
Hg	36.3	ppb	.000	36.3					
*** Sample ID: D1402-15					Seq: 28	11:33:33 16 Feb 12			HG
				MJRBP5					
Hg	65.4	ppb	.000	65.4					
*** Sample ID: D1402-16					Seq: 29	11:35:34 16 Feb 12			HG
				MJRBP6					
Hg	71.0	ppb	.000	71.0					
*** Sample ID: D1402-17					Seq: 30	11:37:50 16 Feb 12			HG
				MJRBP7					
Hg	51.9	ppb	.000	51.9					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: D1402-18					Seq: 31	11:39:55 16 Feb 12			HG
			MJRBP8						
Hg	37.7	ppb	.000	37.7					
*** Sample ID: CCV			CCV52 A P.02/16/12		Seq: 32	11:42:25 16 Feb 12			HG
			~~CCV51~~						
Hg	5.15	ppb	.000	5.15					
*** Sample ID: CCB					Seq: 33	11:44:43 16 Feb 12			HG
			CCB52						
Hg	-.005	ppb	.000	-.005					
*** Sample ID: PB61196BL					Seq: 34	11:47:02 16 Feb 12			HG
			PBS01						
Hg	.026	ppb	.000	.026					
*** Sample ID: D1403-01					Seq: 35	11:50:17 16 Feb 12			HG
			MJRBP9						
Hg	21.0	ppb	.000	21.0					
*** Sample ID: D1403-02					Seq: 36	11:52:16 16 Feb 12			HG
			MJRBQ0						
Hg	24.5	ppb	.000	24.5					
*** Sample ID: D1403-03					Seq: 37	11:55:26 16 Feb 12			HG
			MJRBQ1						
Hg	31.3	ppb	.000	31.3					
*** Sample ID: D1403-04					Seq: 38	11:57:36 16 Feb 12			HG
			MJRBQ2						
Hg	.370	ppb	.000	.370					
*** Sample ID: D1403-05					Seq: 39	11:59:37 16 Feb 12			HG
			MJRBQ3						
Hg	.159	ppb	.000	.159					
*** Sample ID: D1403-06					Seq: 40	12:01:37 16 Feb 12			HG
			MJRBQ4						
Hg	.067	ppb	.000	.067					
*** Sample ID: D1403-07					Seq: 41	12:03:39 16 Feb 12			HG
			MJRBQ5						
Hg	7.84	ppb	.000	7.84					
*** Sample ID: D1403-08					Seq: 42	12:05:59 16 Feb 12			HG
			MJRBQ6						
Hg	22.1	ppb	.000	22.1					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: D1403-09					Seq: 43	12:08:11 16 Feb 12			HG
				MJRBQ6D					
Hg	21.1	ppb	.000	21.1					
*** Sample ID: D1403-10					Seq: 44	12:10:33 16 Feb 12			HG
				MJRBQ6S					
Hg	23.9	ppb	.000	23.9					
*** Sample ID: D1403-11					Seq: 45	12:12:54 16 Feb 12			HG
				MJRBQ7					
Hg	.259	ppb	.000	.259					
*** Sample ID: D1403-12					Seq: 46	12:15:05 16 Feb 12			HG
				MJRBQ8					
Hg	10.0	ppb	.000	10.0					
*** Sample ID: D1403-13					Seq: 47	12:17:16 16 Feb 12			HG
				MJRBQ9					
Hg	27.9	ppb	.000	27.9					
*** Sample ID: D1403-14					Seq: 48	12:19:27 16 Feb 12			HG
				MJRBR0					
Hg	34.9	ppb	.000	34.9					
*** Sample ID: D1403-15					Seq: 49	12:21:27 16 Feb 12			HG
				MJRBR1					
Hg	54.2	ppb	.000	54.2					
*** Sample ID: D1403-16					Seq: 50	12:23:28 16 Feb 12			HG
				MJRBR2					
Hg	65.5	ppb	.000	65.5					
*** Sample ID: D1403-17					Seq: 51	12:25:44 16 Feb 12			HG
				MJRBR3					
Hg	53.5	ppb	.000	53.5					
*** Sample ID: D1403-18					Seq: 52	12:28:19 16 Feb 12			HG
				MJRBR4					
Hg	35.7	ppb	.000	35.7					
*** Sample ID: CCV					Seq: 53	12:30:34 16 Feb 12			HG
				CCV53					
Hg	5.11	ppb	.000	5.11					
*** Sample ID: CCB			ccB53 ~~CCB52~~	A-P 02/16/12	Seq: 54	12:32:35 16 Feb 12			HG
Hg	-.036	ppb	.000	-.036					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: PB61199BL				Seq: 55	12:34:47 16 Feb 12	HG		
				PBS01				
Hg	-.019	ppb	.000	-.019				
*** Sample ID: D1404-01				Seq: 56	12:37:31 16 Feb 12	HG		
				MJRBR5				
Hg	28.0	ppb	.000	28.0				
*** Sample ID: D1404-02				Seq: 57	12:39:35 16 Feb 12	HG		
				MJRBR6				
Hg	43.0	ppb	.000	43.0				
*** Sample ID: D1404-03				Seq: 58	12:41:37 16 Feb 12	HG		
				MJRBR7				
Hg	22.1	ppb	.000	22.1				
*** Sample ID: D1404-04				Seq: 59	12:43:37 16 Feb 12	HG		
				MJRBR8				
Hg	.793	ppb	.000	.793				
*** Sample ID: D1404-05				Seq: 60	12:45:48 16 Feb 12	HG		
				MJRBR9				
Hg	.233	ppb	.000	.233				
*** Sample ID: D1404-06				Seq: 61	12:47:49 16 Feb 12	HG		
				MJRBS0				
Hg	.123	ppb	.000	.123				
*** Sample ID: D1404-07				Seq: 62	12:49:54 16 Feb 12	HG		
				MJRBS1				
Hg	8.89	ppb	.000	8.89				
*** Sample ID: D1404-08				Seq: 63	12:51:59 16 Feb 12	HG		
				MJRBS2				
Hg	30.1	ppb	.000	30.1				
*** Sample ID: D1404-09				Seq: 64	12:54:12 16 Feb 12	HG		
				MJRBS2D				
Hg	29.6	ppb	.000	29.6				
*** Sample ID: D1404-10				Seq: 65	12:56:22 16 Feb 12	HG		
				MJRBS2S				
Hg	30.4	ppb	.000	30.4				
*** Sample ID: D1404-11				Seq: 66	12:58:36 16 Feb 12	HG		
				MJRBS3				
Hg	.386	ppb	.000	.386				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1404-12				Seq: 67	13:00:50 16 Feb 12	HG		
				MJRBS4				
Hg	8.04	ppb	.000	8.04				
*** Sample ID: D1404-13				Seq: 68	13:03:14 16 Feb 12	HG		
				MJRBS5				
Hg	35.8	ppb	.000	35.8				
*** Sample ID: D1404-14				Seq: 69	13:05:15 16 Feb 12	HG		
				MJRBS6				
Hg	54.8	ppb	.000	54.8				
*** Sample ID: D1404-15				Seq: 70	13:07:21 16 Feb 12	HG		
				MJRBS7				
Hg	65.5	ppb	.000	65.5				
*** Sample ID: D1404-16				Seq: 71	13:09:21 16 Feb 12	HG		
				MJRBS8				
Hg	67.5	ppb	.000	67.5				
*** Sample ID: D1404-17				Seq: 72	13:12:03 16 Feb 12	HG		
				MJRBS9				
Hg	58.4	ppb	.000	58.4				
*** Sample ID: D1404-18				Seq: 73	13:14:05 16 Feb 12	HG		
				MJRBT0				
Hg	55.1	ppb	.000	55.1				
*** Sample ID: CCV				Seq: 74	13:16:08 16 Feb 12	HG		
				CCV54				
Hg	4.96	ppb	.000	4.96				
*** Sample ID: CCB				Seq: 75	13:18:09 16 Feb 12	HG		
				CCB54				
Hg	-.062	ppb	.000	-.062				
*** Sample ID: D1402-01				Seq: 76	13:20:29 16 Feb 12	HG		
				MJRBN3 X5				
Hg	4.61	ppb	.000	4.61				
*** Sample ID: D1402-02				Seq: 77	13:22:30 16 Feb 12	HG		
				MJRBN4 X5				
Hg	6.01	ppb	.000	6.01				
*** Sample ID: D1402-03				Seq: 78	13:25:10 16 Feb 12	HG		
				MJRBN5 X5				
Hg	5.11	ppb	.000	5.11				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1402-08				Seq: 79	13:27:10 16 Feb 12	HG		
				MJRBP0 X5				
Hg	4.45	ppb	.000	4.45				
*** Sample ID: D1402-09				Seq: 80	13:29:10 16 Feb 12	HG		
				MJRBP0D X5				
Hg	4.78	ppb	.000	4.78				
*** Sample ID: D1402-10				Seq: 81	13:31:20 16 Feb 12	HG		
				MJRBP0S X5				
Hg	5.14	ppb	.000	5.14				
*** Sample ID: D1402-12				Seq: 82	13:33:35 16 Feb 12	HG		
				MJRBP2 X2				
Hg	5.29	ppb	.000	5.29				
*** Sample ID: D1402-13				Seq: 83	13:35:35 16 Feb 12	HG		
				MJRBP3 X10				
Hg	3.52	ppb	.000	3.52				
*** Sample ID: D1402-14				Seq: 84	13:37:35 16 Feb 12	HG		
				MJRBP4 X10				
Hg	3.99	ppb	.000	3.99				
*** Sample ID: D1402-15				Seq: 85	13:40:21 16 Feb 12	HG		
				MJRBP5 X10				
Hg	8.49	ppb	.000	8.49				
*** Sample ID: D1402-16				Seq: 86	13:42:21 16 Feb 12	HG		
				MJRBP6 X25				
Hg	3.86	ppb	.000	3.86				
*** Sample ID: D1402-17				Seq: 87	13:44:50 16 Feb 12	HG		
				MJRBP7 X10				
Hg	7.36	ppb	.000	7.36				
*** Sample ID: D1402-18				Seq: 88	13:47:00 16 Feb 12	HG		
				MJRBP8 X10				
Hg	7.90	ppb	.000	7.90				
*** Sample ID: D1403-01				Seq: 89	13:49:03 16 Feb 12	HG		
				MJRBP9 X5				
Hg	4.51	ppb	.000	4.51				
*** Sample ID: D1403-02				Seq: 90	13:51:15 16 Feb 12	HG		
				MJRBQ0 X5				
Hg	5.22	ppb	.000	5.22				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1403-03				Seq: 91	13:53:20 16 Feb 12	HG		
				MJRBQ1 X5				
Hg	6.85	ppb	.000	6.85				
*** Sample ID: CCV				Seq: 92	13:55:31 16 Feb 12	HG		
				CCV55				
Hg	5.09	ppb	.000	5.09				
*** Sample ID: CCB				Seq: 93	13:57:42 16 Feb 12	HG		
				CCB55				
Hg	-.037	ppb	.000	-.037				
*** Sample ID: D1403-08				Seq: 94	14:01:06 16 Feb 12	HG		
				MJRBQ6 X5				
Hg	4.57	ppb	.000	4.57				
*** Sample ID: D1403-09				Seq: 95	14:03:22 16 Feb 12	HG		
				MJRBQ6D X5				
Hg	4.47	ppb	.000	4.47				
*** Sample ID: D1403-10				Seq: 96	14:05:36 16 Feb 12	HG		
				MJRBQ6S X5				
Hg	5.14	ppb	.000	5.14				
*** Sample ID: D1403-12				Seq: 97	14:08:51 16 Feb 12	HG		
				MJRBQ8 X2				
Hg	4.92	ppb	.000	4.92				
*** Sample ID: D1403-13				Seq: 98	14:11:52 16 Feb 12	HG		
				MJRBQ9 X5				
Hg	5.92	ppb	.000	5.92				
*** Sample ID: D1403-14				Seq: 99	14:14:03 16 Feb 12	HG		
				MJRBR0 X5				
Hg	7.62	ppb	.000	7.62				
*** Sample ID: D1403-15				Seq: 100	14:16:08 16 Feb 12	HG		
				MJRBR1 X10				
Hg	6.69	ppb	.000	6.69				
*** Sample ID: D1403-16				Seq: 101	14:18:08 16 Feb 12	HG		
				MJRBR2 X10				
Hg	8.31	ppb	.000	8.31				
*** Sample ID: D1403-17				Seq: 102	14:20:11 16 Feb 12	HG		
				MJRBR3 X10				
Hg	6.27	ppb	.000	6.27				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: D1403-18				Seq: 103	14:22:13 16 Feb 12	HG		
				MJRBR4 X5				
Hg	7.38	ppb	.000	7.38				
*** Sample ID: D1404-01				Seq: 104	14:24:15 16 Feb 12	HG		
				MJRBR5 X5				
Hg	6.12	ppb	.000	6.12				
*** Sample ID: D1404-02				Seq: 105	14:26:29 16 Feb 12	HG		
				MJRBR6 X10				
Hg	5.04	ppb	.000	5.04				
*** Sample ID: D1404-03				Seq: 106	14:28:52 16 Feb 12	HG		
				MJRBR7 X5				
Hg	4.73	ppb	.000	4.73				
*** Sample ID: D1404-08				Seq: 107	14:30:53 16 Feb 12	HG		
				MJRBS2 X10				
Hg	3.38	ppb	.000	3.38				
*** Sample ID: D1404-09				Seq: 108	14:33:15 16 Feb 12	HG		
				MJRBS2D X10				
Hg	3.36	ppb	.000	3.36				
*** Sample ID: CCV				Seq: 109	14:36:08 16 Feb 12	HG		
				CCV56				
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB				Seq: 110	14:38:28 16 Feb 12	HG		
				CCB56				
Hg	-.027	ppb	.000	-.027				
*** Sample ID: D1404-10				Seq: 111	14:40:49 16 Feb 12	HG		
				MJRBS2S X10				
Hg	4.91	ppb	.000	4.91				
*** Sample ID: D1404-13				Seq: 112	14:42:51 16 Feb 12	HG		
				MJRBS5 X10				
Hg	4.25	ppb	.000	4.25				
*** Sample ID: D1404-14				Seq: 113	14:44:55 16 Feb 12	HG		
				MJRBS6 X10				
Hg	6.90	ppb	.000	6.90				
*** Sample ID: D1404-15				Seq: 114	14:47:08 16 Feb 12	HG		
				MJRBS7 X10				
Hg	8.88	ppb	.000	8.88				

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

A-P 02/16/12

*** Sample ID: ~~D1404-16~~ 2nd run Seq: 115 14:49:13 16 Feb 12 HG

~~MJRBS8~~ 2nd run X10

Hg 11.3 ppb .000 11.3

*** Sample ID: D1404-17 Seq: 116 14:52:05 16 Feb 12 HG

MJRBS9 X10

Hg 7.71 ppb .000 7.71

*** Sample ID: D1404-18 Seq: 117 14:54:26 16 Feb 12 HG

MJRBT0 X10

Hg 6.90 ppb .000 6.90

*** Sample ID: CCV Seq: 118 14:56:32 16 Feb 12 HG

CCV57

Hg 5.17 ppb .000 5.17

*** Sample ID: CCB Seq: 119 14:59:16 16 Feb 12 HG

CCB57

Hg -.035 ppb .000 -.035

*** Sample ID: D1404-16 Seq: 120 15:04:14 16 Feb 12 HG

MJRBS8 X10

Hg 9.18 ppb .000 9.18

*** Sample ID: CCV Seq: 121 15:06:17 16 Feb 12 HG

CCV58

Hg 4.94 ppb .000 4.94

*** Sample ID: CCB Seq: 122 15:08:22 16 Feb 12 HG

CCB58

Hg -.041 ppb .000 -.041

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6,1,"Std02Rep1",2,"16 Feb 12","10:18:53","chemtech",2,1,1,"Hg ","ppb"," ","
",.200,16871
6,1,"Std03Rep1",3,"16 Feb 12","10:20:57","chemtech",3,1,1,"Hg ","ppb"," ","
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6,1,"Std04Rep1",4,"16 Feb 12","10:22:57","chemtech",4,1,1,"Hg ","ppb"," ","
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6,1,"Std06Rep1",6,"16 Feb 12","10:28:31","chemtech",6,1,1,"Hg ","ppb"," ","
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2,1,"D1402-05  ",16,"16 Feb 12","11:08:26","chemtech","",10,1.00,1.00,1,"","Hg
","ppb","  ","  ",.117,.000,10721,.117
2,1,"D1402-06  ",17,"16 Feb 12","11:10:36","chemtech","",11,1.00,1.00,1,"","Hg
","ppb","  ","  ",.075,.000,7602,.075
2,1,"D1402-07  ",18,"16 Feb 12","11:12:37","chemtech","",12,1.00,1.00,1,"","Hg
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","ppb","  ","  ",20.0,.000,1468296,20.0
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","ppb","  ","  ",21.0,.000,1535325,21.0
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","  ",5.05,.000,371574,5.05
2,1,"CCB       ",24,"16 Feb 12","11:25:07","chemtech","",4,1.00,1.00,1,"","Hg ","ppb","
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2,1,"D1402-12  ",25,"16 Feb 12","11:27:10","chemtech","",17,1.00,1.00,1,"","Hg
","ppb","  ","  ",10.6,.000,775927,10.6
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2,1,"D1402-14  ",27,"16 Feb 12","11:31:21","chemtech","",19,1.00,1.00,1,"","Hg
","ppb","  ","  ",36.3,.000,2658143,36.3
2,1,"D1402-15  ",28,"16 Feb 12","11:33:33","chemtech","",20,1.00,1.00,1,"","Hg
","ppb","  ","  ",65.4,.000,4784321,65.4
2,1,"D1402-16  ",29,"16 Feb 12","11:35:34","chemtech","",21,1.00,1.00,1,"","Hg
","ppb","  ","  ",71.0,.000,5197793,71.0
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2,1,"D1402-18  ",31,"16 Feb 12","11:39:55","chemtech","",23,1.00,1.00,1,"","Hg
","ppb","  ","  ",37.7,.000,2761326,37.7
2,1,"CCV       ",32,"16 Feb 12","11:42:25","chemtech","",24,1.00,1.00,1,"","Hg
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2,1,"D1403-02  ",36,"16 Feb 12","11:52:16","chemtech","",28,1.00,1.00,1,"","Hg
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2,1,"D1403-03  ",37,"16 Feb 12","11:55:26","chemtech","",29,1.00,1.00,1,"","Hg
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2,1,"D1403-06  ",40,"16 Feb 12","12:01:37","chemtech","",32,1.00,1.00,1,"","Hg
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2,1,"D1403-16  ",50,"16 Feb 12","12:23:28","chemtech","",42,1.00,1.00,1,"","Hg
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2,1,"D1403-17  ",51,"16 Feb 12","12:25:44","chemtech","",43,1.00,1.00,1,"","Hg
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2,1,"D1403-18  ",52,"16 Feb 12","12:28:19","chemtech","",44,1.00,1.00,1,"","Hg
","ppb"," "," "," ",35.7,.000,2612310,35.7
2,1,"CCV       ",53,"16 Feb 12","12:30:34","chemtech","",1,1.00,1.00,1,"","Hg ","ppb","
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2,1,"CCB       ",54,"16 Feb 12","12:32:35","chemtech","",2,1.00,1.00,1,"","Hg ","ppb","
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"," "," ",.233,.000,19218,.233
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2,1,"D1404-07  ",62,"16 Feb 12","12:49:54","chemtech","",10,1.00,1.00,1,"","Hg
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2,1,"D1404-08  ",63,"16 Feb 12","12:51:59","chemtech","",11,1.00,1.00,1,"","Hg
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2,1,"D1404-13  ",68,"16 Feb 12","13:03:14","chemtech","",16,1.00,1.00,1,"","Hg
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2,1,"D1404-14  ",69,"16 Feb 12","13:05:15","chemtech","",17,1.00,1.00,1,"","Hg
","ppb"," "," ",54.8,.000,4008096,54.8
2,1,"D1404-15  ",70,"16 Feb 12","13:07:21","chemtech","",18,1.00,1.00,1,"","Hg
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2,1,"D1404-16  ",71,"16 Feb 12","13:09:21","chemtech","",19,1.00,1.00,1,"","Hg
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2,1,"D1404-17  ",72,"16 Feb 12","13:12:03","chemtech","",20,1.00,1.00,1,"","Hg
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2,1,"D1402-03  ",78,"16 Feb 12","13:25:10","chemtech","",26,1.00,1.00,1,"","Hg
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2,1,"D1402-08  ",79,"16 Feb 12","13:27:10","chemtech","",27,1.00,1.00,1,"","Hg
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2,1,"D1402-09  ",80,"16 Feb 12","13:29:10","chemtech","",28,1.00,1.00,1,"","Hg
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2,1,"D1402-10  ",81,"16 Feb 12","13:31:20","chemtech","",29,1.00,1.00,1,"","Hg
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2,1,"D1402-12  ",82,"16 Feb 12","13:33:35","chemtech","",30,1.00,1.00,1,"","Hg
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2,1,"D1402-13  ",83,"16 Feb 12","13:35:35","chemtech","",31,1.00,1.00,1,"","Hg
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2,1,"D1402-14  ",84,"16 Feb 12","13:37:35","chemtech","",32,1.00,1.00,1,"","Hg
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2,1,"D1402-16  ",86,"16 Feb 12","13:42:21","chemtech","",34,1.00,1.00,1,"","Hg
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2,1,"D1402-17  ",87,"16 Feb 12","13:44:50","chemtech","",35,1.00,1.00,1,"","Hg
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2,1,"D1402-18  ",88,"16 Feb 12","13:47:00","chemtech","",36,1.00,1.00,1,"","Hg
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2,1,"D1403-02  ",90,"16 Feb 12","13:51:15","chemtech","",38,1.00,1.00,1,"","Hg
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2,1,"CCV       ",92,"16 Feb 12","13:55:31","chemtech","",40,1.00,1.00,1,"","Hg
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2,1,"D1403-08  ",94,"16 Feb 12","14:01:06","chemtech","",42,1.00,1.00,1,"","Hg
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2,1,"D1403-10  ",96,"16 Feb 12","14:05:36","chemtech","",44,1.00,1.00,1,"","Hg
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2,1,"D1403-12  ",97,"16 Feb 12","14:08:51","chemtech","",1,1.00,1.00,1,"","Hg ","ppb","
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","","",7.62,.000,559254,7.62
2,1,"D1403-15  ",100,"16 Feb 12","14:16:08","chemtech","",4,1.00,1.00,1,"","Hg
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2,1,"D1403-16  ",101,"16 Feb 12","14:18:08","chemtech","",5,1.00,1.00,1,"","Hg
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2,1,"D1403-18  ",103,"16 Feb 12","14:22:13","chemtech","",7,1.00,1.00,1,"","Hg
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2,1,"D1404-01  ",104,"16 Feb 12","14:24:15","chemtech","",8,1.00,1.00,1,"","Hg
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2,1,"D1404-02  ",105,"16 Feb 12","14:26:29","chemtech","",9,1.00,1.00,1,"","Hg
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2,1,"D1404-03  ",106,"16 Feb 12","14:28:52","chemtech","",10,1.00,1.00,1,"","Hg
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2,1,"CCV       ",109,"16 Feb 12","14:36:08","chemtech","",13,1.00,1.00,1,"","Hg
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2,1,"CCB       ",110,"16 Feb 12","14:38:28","chemtech","",14,1.00,1.00,1,"","Hg
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2,1,"D1404-10  ",111,"16 Feb 12","14:40:49","chemtech","",15,1.00,1.00,1,"","Hg
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2,1,"D1404-13  ",112,"16 Feb 12","14:42:51","chemtech","",16,1.00,1.00,1,"","Hg
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2,1,"D1404-14  ",113,"16 Feb 12","14:44:55","chemtech","",17,1.00,1.00,1,"","Hg
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2,1,"D1404-15  ",114,"16 Feb 12","14:47:08","chemtech","",18,1.00,1.00,1,"","Hg
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2,1,"D1404-16  ",115,"16 Feb 12","14:49:13","chemtech","",19,1.00,1.00,1,"","Hg
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2,1,"D1404-17  ",116,"16 Feb 12","14:52:05","chemtech","",20,1.00,1.00,1,"","Hg
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2,1,"D1404-18  ",117,"16 Feb 12","14:54:26","chemtech","",21,1.00,1.00,1,"","Hg
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2,1,"CCV       ",118,"16 Feb 12","14:56:32","chemtech","",22,1.00,1.00,1,"","Hg
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2,1,"CCB       ",119,"16 Feb 12","14:59:16","chemtech","",23,1.00,1.00,1,"","Hg
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2,1,"D1404-16  ",120,"16 Feb 12","15:04:14","chemtech","",24,1.00,1.00,1,"","Hg
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2,1,"CCV       ",121,"16 Feb 12","15:06:17","chemtech","",25,1.00,1.00,1,"","Hg
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2,1,"CCB       ",122,"16 Feb 12","15:08:22","chemtech","",26,1.00,1.00,1,"","Hg
","ppb","","",",-.041,.000,-888,-.041
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A.P. 02/16/12

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP10544	02/14/2012	02/15/2012	ALPA

FROM 1.000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 2.500ml of Mercury Stock Solution, 10 ug/ml(M2035) + 96.500ml of DI Water(W1152) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1340	Hg 0.00 PPB STD	MP10545	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 247.500ml of DI Water(W1152) = Final Quantity: 250.000 ml

CHEMTECH

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1341	Hg 0.2 PPB STD	MP10546	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 247.300ml of DI Water(W1152) + 0.200ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1342	Hg 2.5 PPB STD	MP10547	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 245.000ml of DI Water(W1152) + 2.500ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1343	Hg 5.0 PPB STD	MP10548	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 242.500ml of DI Water(W1152) + 5.000ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1344	Hg 7.5 PPB STD	MP10549	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 240.000ml of DI Water(W1152) + 7.500ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1345	Hg 10.0 PPB STD	MP10550	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 237.500ml of DI Water(W1152) + 10.000ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1346	Hg ICV SOLUTION	MP10551	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of ICV (HG) STOCK SOLN(M2098) + 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L) (W1586) + 245.000ml of DI Water(W1152) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1351	ICB (Hg 0.00 PPB SOLUTION)	MP10552	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 247.500ml of DI Water(W1152) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1358	CCV (Hg 5.0 PPB SOLUTION)	MP10553	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 242.500ml of DI Water(W1152) + 5.000ml of MERCURY INTERMEDIATE B 250PPB WORKING STD.(MP10544) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1352	CCB (Hg 0.00 PPB SOLUTION)	MP10554	02/14/2012	02/15/2012	ALPA

FROM 2.500ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2260) + 247.500ml of DI Water(W1152) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
68	STANNOUS CHLORIDE SOLUTION	MP10575	02/16/2012	02/17/2012	ALPA

FROM 450.000ml of DI Water(W1152) + 50.000gram of Stannous Chloride (cs/4x500g)(M2177) + 50.000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2256) = Final Quantity: 500.000 ml