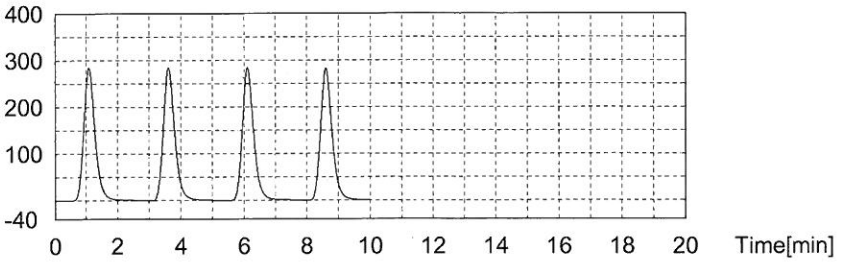
Mean Area 723.2
Mean Conc. 4.819mg/L



Sample

Sample Name: ccv
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

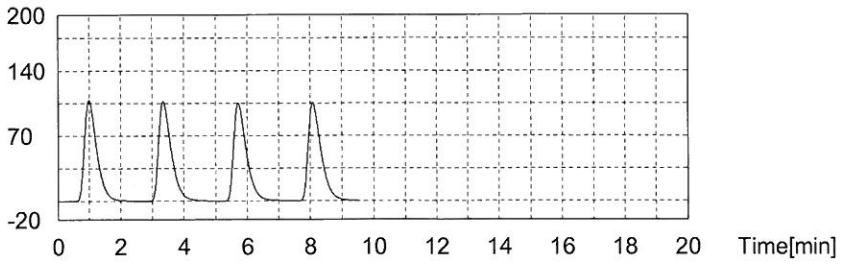
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.987mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	304.0	1.986mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:00:39 P
2	304.8	1.991mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:05:10 P
3	302.3	1.975mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:09:38 P
4	305.3	1.995mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:14:07 P

Mean Area 304.1
Mean Conc. 1.987mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

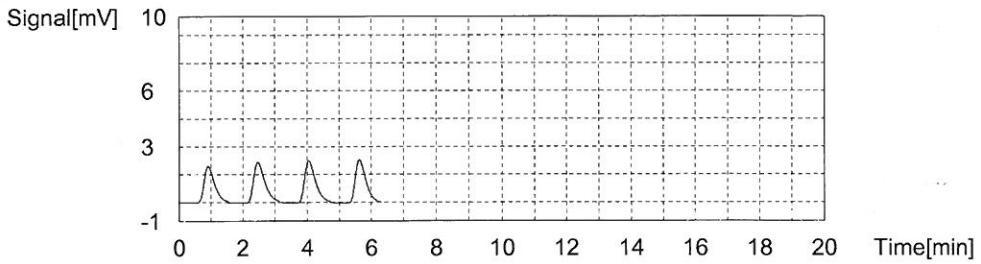
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.03418mg/L

1. Det

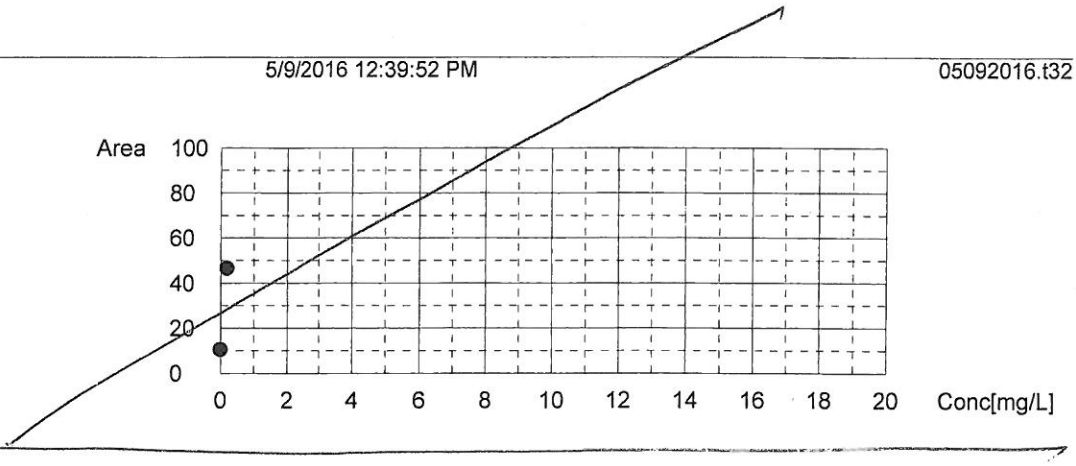
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.411	-0.03848mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:24:41 P
2	5.142	-0.03354mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:29:32 P
3	5.297	-0.03249mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:34:14 P
4	5.341	-0.03220mg/L	2500uL	1		05252016 toc-4 curve.2016_05_2	10/3/2016 9:39:00 P

Mean Area 5.048
Mean Conc. -0.03418mg/



Slope:	7632
Intercept	-548.4
r^2	0.848361
r	0.921065
Zero Shift	No



Cal. Curve

Sample Name: 05092016 toc-3 curve
Sample ID:
Cal. Curve: 05092016 toc-3.2016_05_09_09_55_51.cal
Status Completed

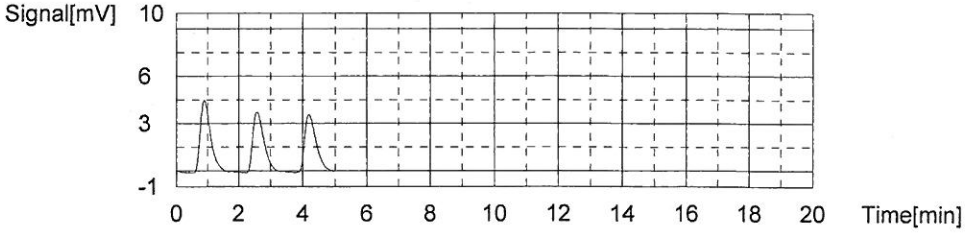
TOC-3 curve 050916

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.55	2500uL	1	*******	E	5/9/2016 10:04:29 AM
2	9.448	2500uL	1	*******		5/9/2016 10:09:05 AM
3	9.120	2500uL	1	*******		5/9/2016 10:13:42 AM

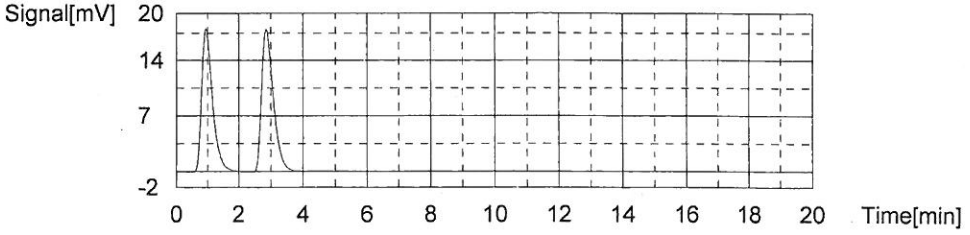
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 9.284



Conc: 0.2000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	46.87	2500uL	1	*******		5/9/2016 10:24:17 AM
2	46.35	2500uL	1	*******		5/9/2016 10:28:33 AM

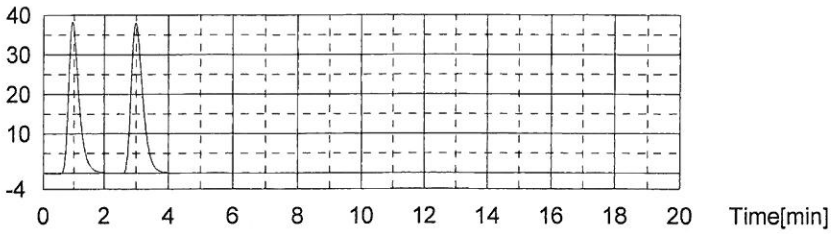
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 46.61



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	98.92	2500uL	1	*******		5/9/2016 10:39:31 AM
2	96.85	2500uL	1	*******		5/9/2016 10:43:42 AM

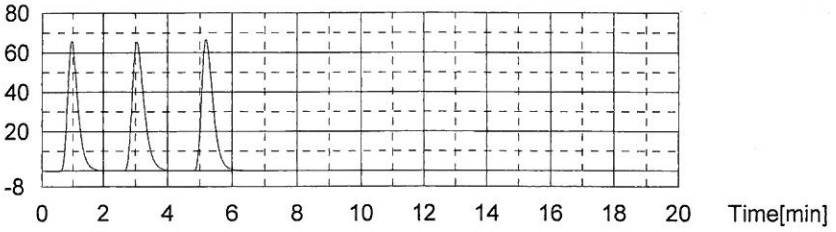
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 97.89



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	168.5	2500uL	1	*******		5/9/2016 10:54:43 AM
2	174.4	2500uL	1	*******	E	5/9/2016 10:59:04 AM
3	171.1	2500uL	1	*******		5/9/2016 11:03:17 AM

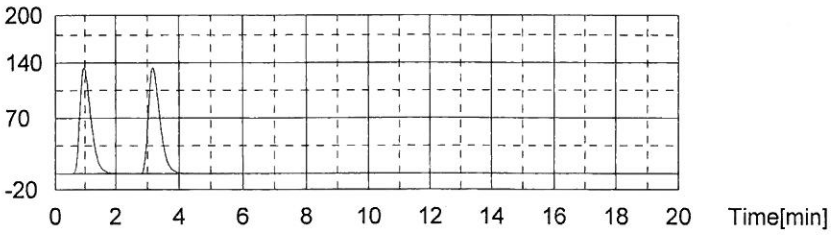
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 169.8



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	346.8	2500uL	1	*******		5/9/2016 11:14:09 AM
2	349.8	2500uL	1	*******		5/9/2016 11:18:27 AM

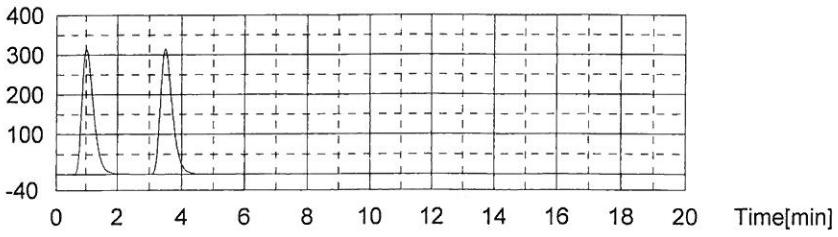
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 348.3



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	850.0	2500uL	1	*******		5/9/2016 11:29:52 AM
2	841.4	2500uL	1	*******		5/9/2016 11:34:29 AM

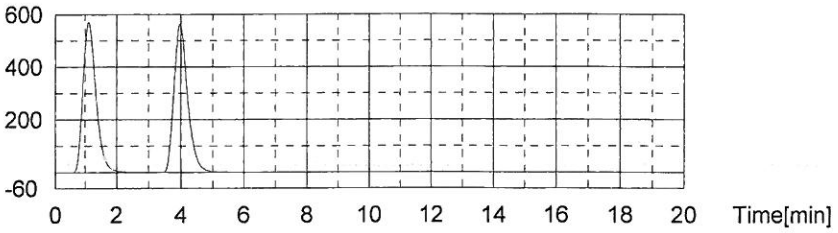
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 845.7



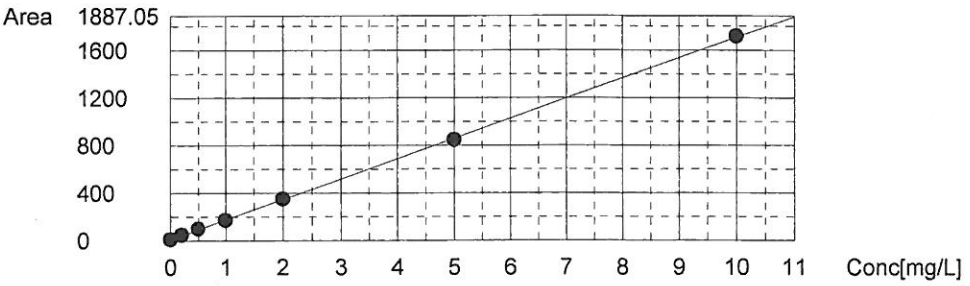
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1710	2500uL	1	*******		5/9/2016 11:46:16 AM
2	1721	2500uL	1	*******		5/9/2016 11:52:21 AM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1716



Slope: 170.2
Intercept 7.247
r^2 0.999863
r 0.999932
Zero Shift No



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

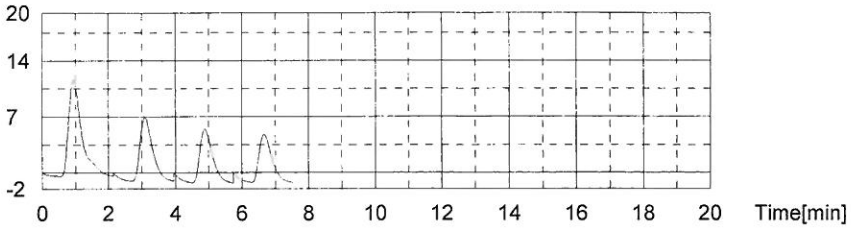
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08875mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.89	0.1566mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:56:24 AM
2	21.24	0.08223mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:02:57 AM
3	17.91	0.06266mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:07:54 AM
4	16.36	0.05355mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:12:37 AM

Mean Area 22.35
Mean Conc. 0.08875mg/L



Sample

Sample Name: ic ck std 10ppm
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

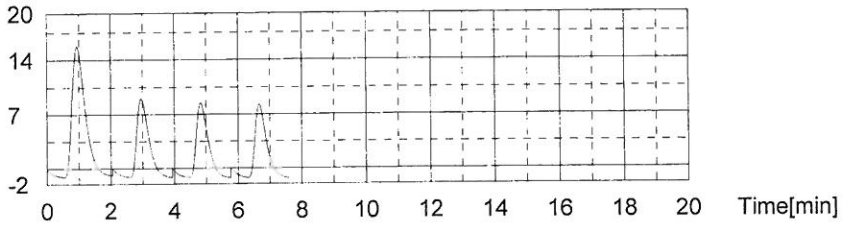
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1425mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.70	0.2495mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:23:35 AM
2	27.15	0.1170mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:27:42 AM
3	24.98	0.1042mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:31:56 AM
4	24.14	0.09927mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:36:58 AM

Mean Area 31.49
Mean Conc. 0.1425mg/L



Sample

Sample Name: icv 2ppm
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

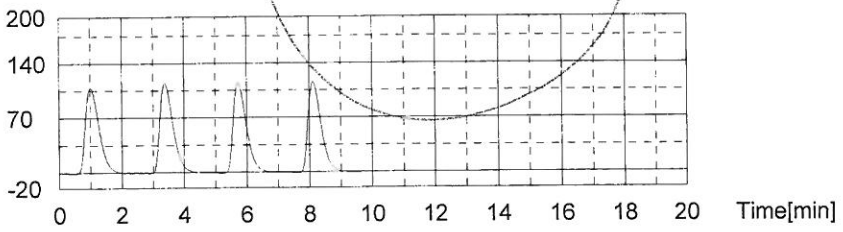
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.014mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	346.7	1.995mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:48:16 AM
2	351.1	2.021mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:52:43 AM
3	350.5	2.017mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:57:12 AM
4	351.8	2.025mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:01:49 AM

Mean Area 350.0
Mean Conc. 2.014mg/L



Sample

Sample Name: icb
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

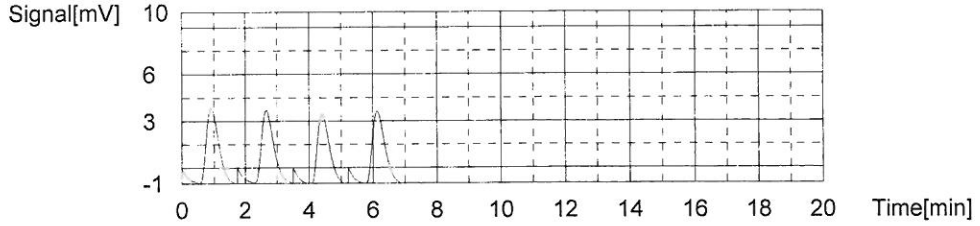
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03323mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.49	0.03669mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:12:29 AM
2	12.69	0.03198mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:17:11 AM
3	12.29	0.02963mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:21:50 AM
4	13.14	0.03463mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:26:30 AM

Mean Area 12.90
Mean Conc. 0.03323mg/L



Sample

Sample Name: mb
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

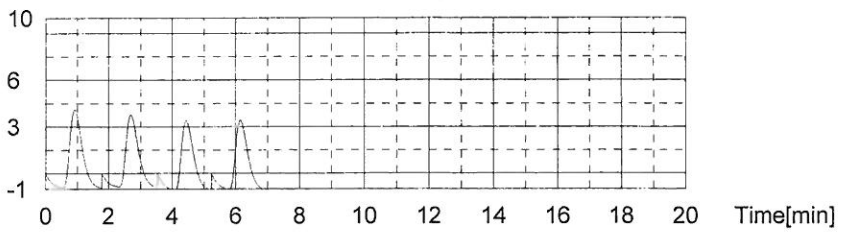
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03187mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.05	0.03998mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:37:12 AM
2	12.79	0.03257mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:41:52 AM
3	11.82	0.02687mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:46:29 AM
4	12.02	0.02805mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:51:07 AM

Mean Area 12.67
Mean Conc. 0.03187mg/L



Sample

Sample Name: lcs 2ppm
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

1.82

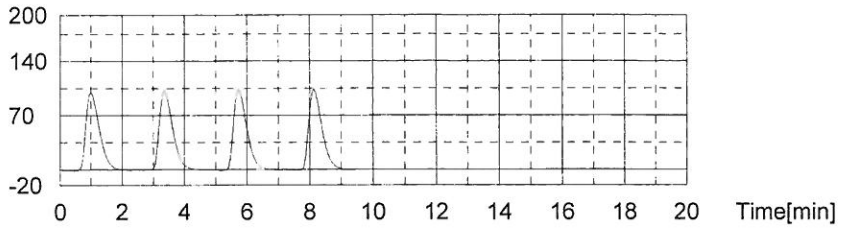
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.818mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	315.7	1.813mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:02:23 AM
2	317.9	1.825mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:07:01 AM
3	317.9	1.825mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:11:31 AM
4	315.2	1.810mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:15:55 AM

Mean Area 316.7
Mean Conc. 1.818mg/L



Sample

Sample Name: 30846-09 dup 10x qc for 9/30
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.739mg/L

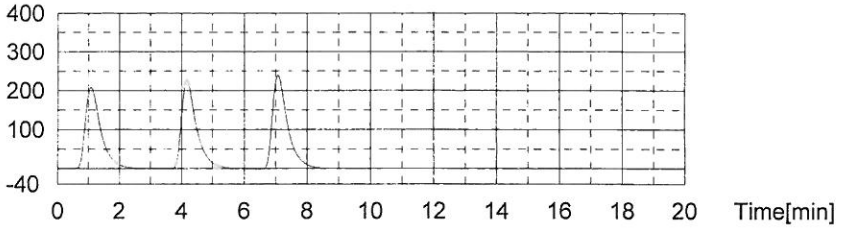
47.4
10T

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	752.0	4.376mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:34:40 AM
2	794.1	4.624mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:39:40 AM
3	833.2	4.853mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:45:07 AM

Mean Area 813.7
Mean Conc. 4.739mg/L



Sample

Sample Name: 30846-09 spk 80ppm 20x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.686mg/L

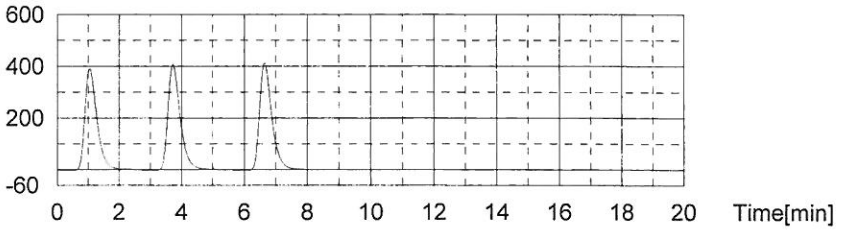
134
20+

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1087	6.345mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:56:27 AM
2	1145	6.686mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:01:32 PM
3	1145	6.686mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:06:28 PM

Mean Area 1145
Mean Conc. 6.686mg/L



Sample

Sample Name: 31095-01 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.146mg/L

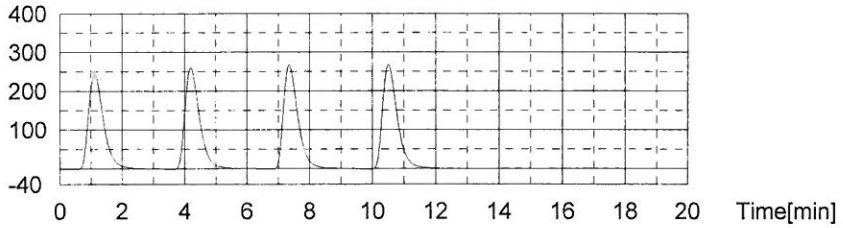
5.15

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	853.0	4.970mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:18:14 PM
2	887.5	5.173mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:23:30 PM
3	895.2	5.218mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:28:46 PM
4	896.2	5.224mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:34:02 PM

Mean Area 883.0
Mean Conc. 5.146mg/L



Sample

Sample Name: 31095-02 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.155mg/L

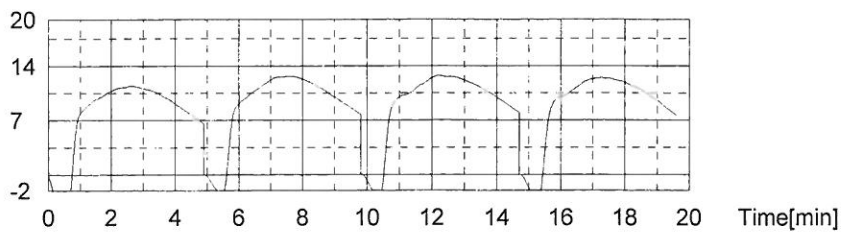
1.16

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	205.4	1.164mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:47:51 PM
2	200.3	1.134mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 12:55:59 PM
3	202.0	1.144mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 1:04:07 PM
4	207.4	1.176mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 1:12:20 PM

Mean Area 203.8
Mean Conc. 1.155mg/L



Sample

Sample Name: 31095-03 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5690mg/L

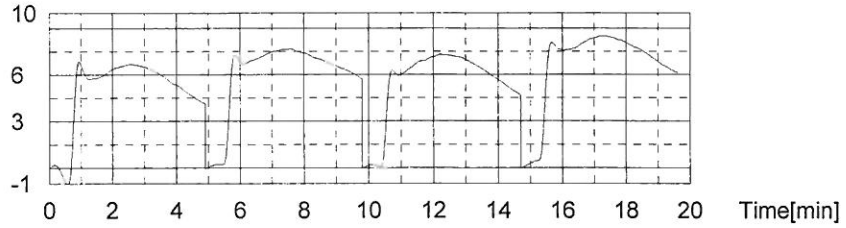
0.57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	106.9	0.5856mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 1:26:09 PM
2	100.6	0.5486mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 1:34:41 PM
3	99.19	0.5403mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 2:00:45 PM
4	109.6	0.6014mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 2:08:44 PM

Mean Area 104.1
Mean Conc. 0.5690mg/L



Sample

Sample Name: 31095-04 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2910mg/L

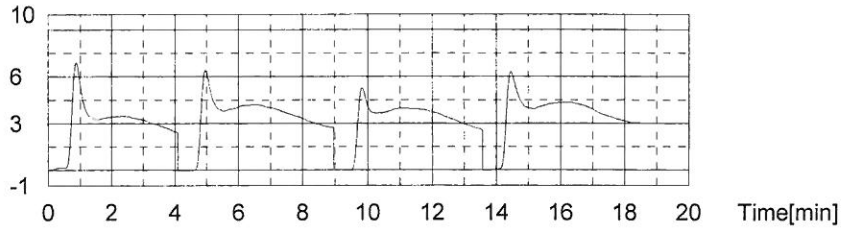
0.29

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.94	0.2274mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 2:32:32 PM
2	63.10	0.3282mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 2:40:29 PM
3	55.29	0.2823mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 3:11:15 PM
4	62.72	0.3260mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 3:19:13 PM

Mean Area 56.76
Mean Conc. 0.2910mg/L



Sample

Sample Name: 31095-05 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07056mg/L

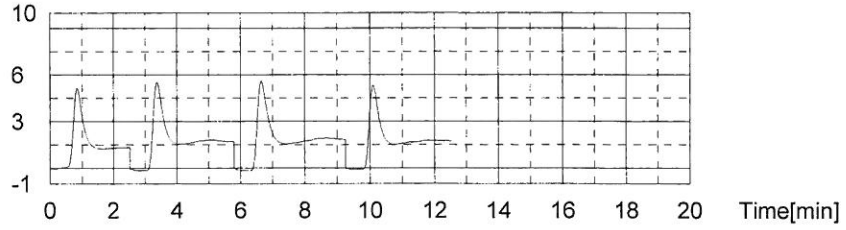
0.07

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.73	0.03810mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 4:40:01 PM
2	20.93	0.08040mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 4:46:23 PM
3	22.49	0.08957mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 4:52:57 PM
4	19.87	0.07418mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 5:15:07 PM

Mean Area 19.25
Mean Conc. 0.07056mg/L



Sample

Sample Name: 31095-06 doc
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1271mg/L

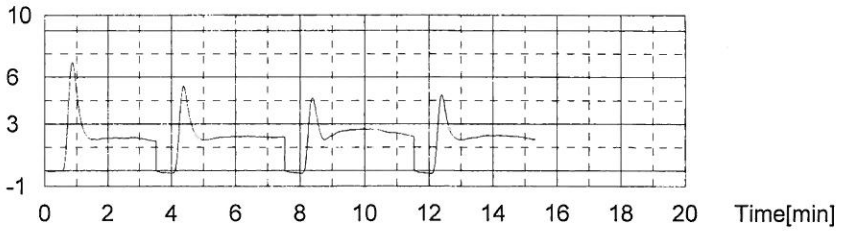
0.13

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.23	0.1233mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 5:32:02 PM
2	27.71	0.1202mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 5:39:10 PM
3	32.22	0.1467mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 5:59:12 PM
4	27.35	0.1181mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 6:08:32 PM

Mean Area 28.88
Mean Conc. 0.1271mg/L



Sample

Sample Name: ccv
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

✓

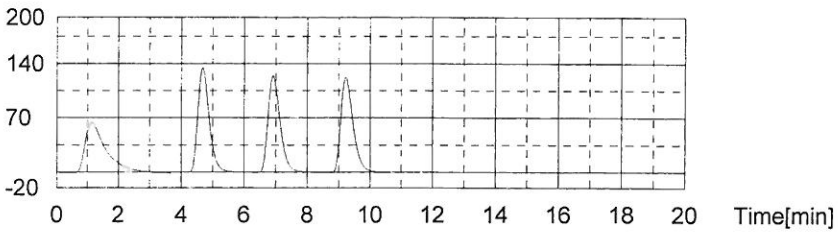
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.937mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	317.7	1.824mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 6:26:47 PM
2	344.6	1.982mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 6:35:55 PM
3	343.5	1.976mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 6:44:29 PM
4	342.0	1.967mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 6:50:49 PM

Mean Area 336.9
Mean Conc. 1.937mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

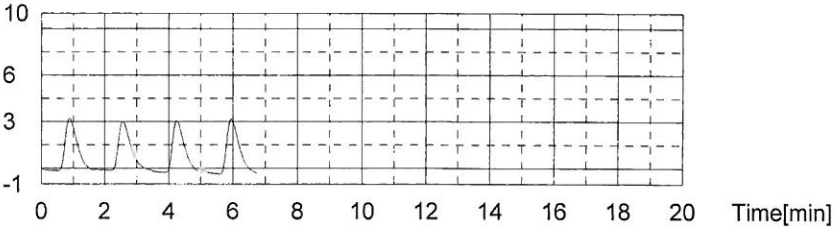
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00980mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.975	0.01015mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:01:25 PM
2	8.412	0.00685mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:06:03 PM
3	8.749	0.00883mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:10:40 PM
4	9.520	0.01336mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:15:16 PM

Mean Area 8.914
Mean Conc. 0.00980mg/L



Sample

Sample Name: 31095-7
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08289mg/L

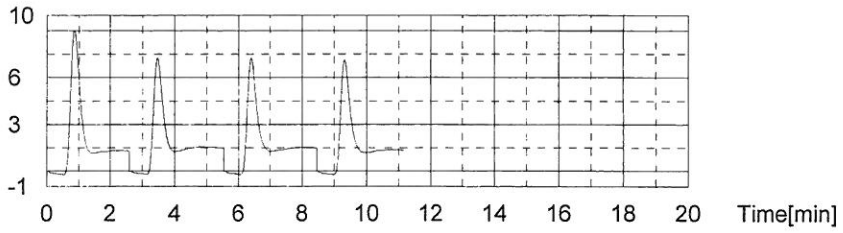
0.08

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.15	0.09345mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:26:47 PM
2	21.21	0.08205mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:32:49 PM
3	21.38	0.08305mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:38:53 PM
4	19.67	0.07300mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:44:41 PM

Mean Area 21.35
Mean Conc. 0.08289mg/L



31095 // 2 D 100576

Sample

Sample Name: 31095-8
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9530mg/L

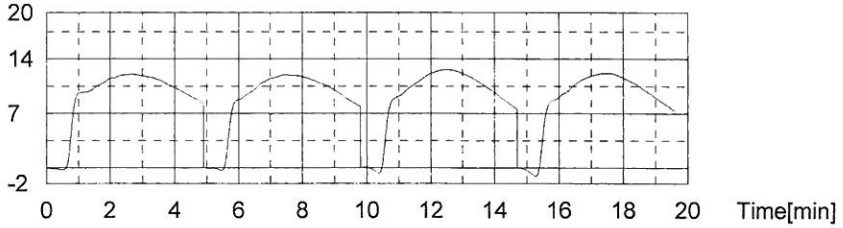
0.95

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	160.9	0.9029mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 7:58:30 PM
2	163.9	0.9205mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:06:44 PM
3	175.4	0.9881mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:14:56 PM
4	177.5	1.000mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:23:01 PM

Mean Area 169.4
Mean Conc. 0.9530mg/L



Sample

= 31095 • 2 ⓐ 100576

Sample Name: 31095-8 dup
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.002mg/L

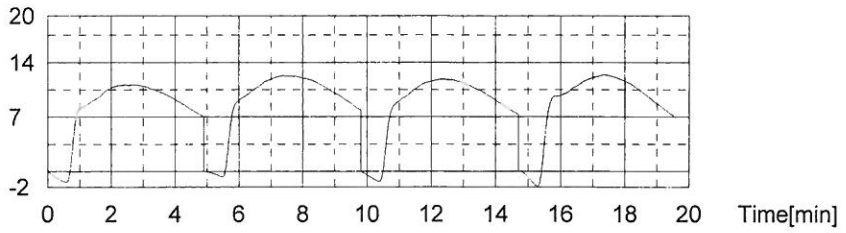
1.00

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	166.2	0.9340mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:36:50 PM
2	175.2	0.9869mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 8:44:57 PM
3	174.4	0.9822mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:06:59 PM
4	195.4	1.106mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:24:26 PM

Mean Area 177.8
Mean Conc. 1.002mg/L



= 31095 • 2 ⓐ 100576

Sample

Sample Name: 31095-8 ms
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.816mg/L

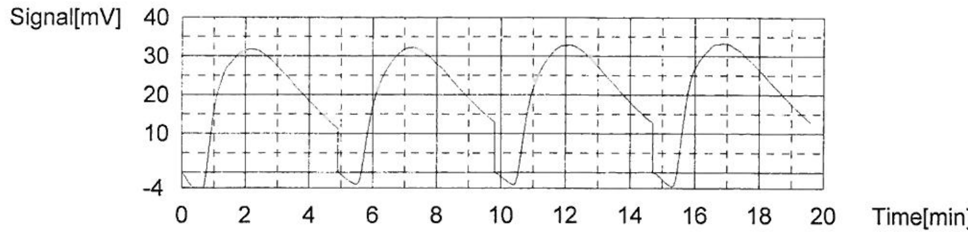
2.82

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	496.7	2.876mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 9:46:00 PM
2	468.1	2.708mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:03:15 PM
3	476.9	2.760mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:21:10 PM
4	504.4	2.921mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:33:38 PM

Mean Area 486.5
Mean Conc. 2.816mg/L



31095 =02 ID 100576 rerun for confirm

Sample

Sample Name: 31095-8 ms
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

2.81

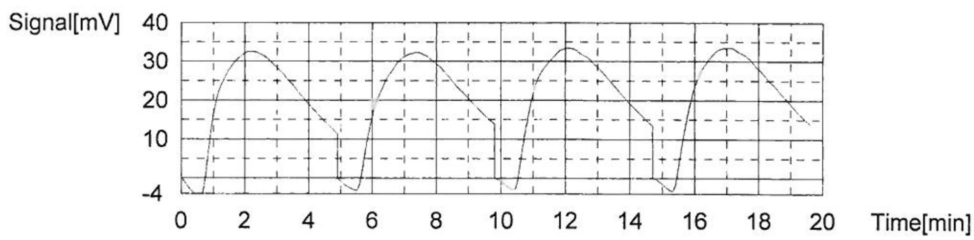
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.812mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	504.7	2.923mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 10:59:30 PM
2	464.6	2.687mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:17:50 PM
3	482.9	2.795mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:28:31 PM
4	491.3	2.844mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:38:48 PM

Mean Area 485.9
Mean Conc. 2.812mg/L



Sample

Sample Name: ccv
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.936mg/L

✓

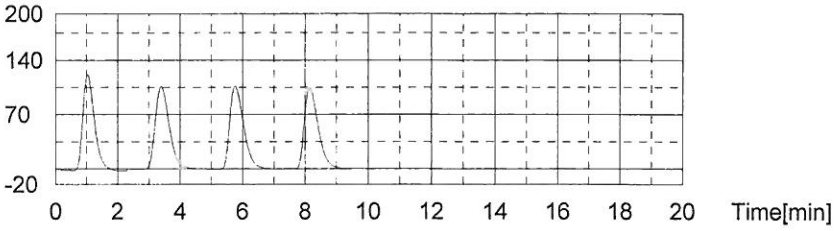
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	331.6	1.906mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:50:00 PM
2	340.1	1.956mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/4/2016 11:56:32 PM
3	338.6	1.947mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:02:24 AM
4	336.4	1.934mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:08:00 AM

Mean Area 336.7
Mean Conc. 1.936mg/L

Signal[mV]



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02358mg/L

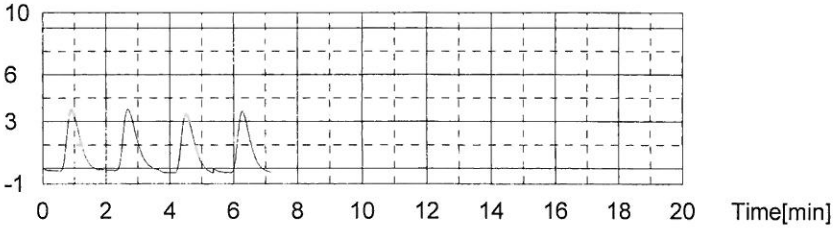
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.64	0.02581mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:18:41 AM
2	11.64	0.02581mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:23:26 AM
3	10.80	0.02088mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:28:06 AM
4	10.96	0.02182mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_55_5	10/5/2016 12:32:47 AM

Mean Area 11.26
Mean Conc. 0.02358mg/L

Signal[mV]



Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 06 2016, 02:58 pm

Work Group: WG938151 for Department: 7 Wet Chemistry

Created: 03-OCT-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1630892-01	OW-66S-09292016	S	TOC-9060	WATER	DONE	U	1027	1006	S0	Vial-D
L1630892-02	OW-50S-09292016	S	TOC-9060	WATER	DONE	U	1027	1006	S0	Vial-D
L1631095-01	OV-02_092716_SW_10	S	TOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
L1631095-02	WQ1B-C_092716_SW_10	S	TOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
L1631095-03	WQ2-C_092616_SW_10	S	TOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-04	WQ3-L_092616_SW_10	S	TOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-05	ES-15_092616_SW_10	S	TOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-06	WQ-ECH_092616_SW_10	S	TOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-07	WQ-FPT_092616_SW_10	S	TOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-08	WQ1B-C_092716_SW_10_	S	TOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
WG938151-1	Laboratory Method Bl	S	TOC-9060	WATER	DONE	U				
WG938151-2	Laboratory Control S	S	TOC-9060	WATER	DONE	U				
WG938151-3	Duplicate Sample	S	TOC-9060	WATER	DONE	U				
WG938151-4	Matrix Spike	S	TOC-9060	WATER	DONE	U				

Comments:

WG938151-3	L1631095-02
WG938151-4	L1631095-02

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 06 2016, 02:58 pm

Work Group: WG938495 for Department: 7 Wet Chemistry

Created: 04-OCT-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1631095-01	OV-02_092716_SW_10	S	DOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
L1631095-02	WQ1B-C_092716_SW_10	S	DOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
L1631095-03	WQ2-C_092616_SW_10	S	DOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-04	WQ3-L_092616_SW_10	S	DOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-05	ES-15_092616_SW_10	S	DOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-06	WQ-ECH_092616_SW_10	S	DOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-07	WQ-FPT_092616_SW_10	S	DOC-9060	WATER	DONE	U	1024	1007	S0	Vial-D
L1631095-08	WQ1B-C_092716_SW_10_	S	DOC-9060	WATER	DONE	U	1025	1007	S0	Vial-D
WG938495-1	Laboratory Method Bl	S	DOC-9060	WATER	DONE	U				
WG938495-2	Laboratory Control S	S	DOC-9060	WATER	DONE	U				
WG938495-3	Duplicate Sample	S	DOC-9060	WATER	DONE	U				
WG938495-4	Matrix Spike	S	DOC-9060	WATER	DONE	U				

Comments:

WG938495-3	L1631095-02
WG938495-4	L1631095-02

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1631095
Client:	AMEC Foster Wheeler E & I, Inc. 511 Congress Street P.O. Box 7050 Portland, ME 04112-7050
ATTN:	Rod Pendleton
Phone:	(207) 828-3692
Project Name:	PENOBSCOT RIVER ESTUARY
Project Number:	3616166052
Report Date:	10/07/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1631095-01	OV-02_092716_SW_10	WATER	WINTERPORT, ME	09/27/16 16:10	09/30/16
L1631095-02	WQ1B-C_092716_SW_10	WATER	WINTERPORT, ME	09/27/16 11:30	09/30/16
L1631095-03	WQ2-C_092616_SW_10	WATER	WINTERPORT, ME	09/26/16 14:10	09/30/16
L1631095-04	WQ3-L_092616_SW_10	WATER	WINTERPORT, ME	09/26/16 13:30	09/30/16
L1631095-05	ES-15_092616_SW_10	WATER	WINTERPORT, ME	09/26/16 12:45	09/30/16
L1631095-06	WQ-ECH_092616_SW_10	WATER	WINTERPORT, ME	09/26/16 11:00	09/30/16
L1631095-07	WQ-FPT_092616_SW_10	WATER	WINTERPORT, ME	09/26/16 11:55	09/30/16
L1631095-08	WQ1B-C_092716_SW_10_DUP	WATER	WINTERPORT, ME	09/27/16 11:30	09/30/16

Project Name: PENOBSCOT RIVER ESTUARY **Lab Number:** L1631095
Project Number: 3616166052 **Report Date:** 10/07/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: PENOBSCOT RIVER ESTUARY **Lab Number:** L1631095
Project Number: 3616166052 **Report Date:** 10/07/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Organic Carbon

L1631095-04 through -07: The sample has an elevated detection limit due to the dilution required by the sample matrix.

The WG938151-4 MS recovery (70%), performed on L1631095-02, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

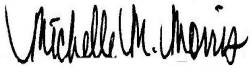
The WG938151-3 Laboratory Duplicate RPD (24%), performed on L1631095-02, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Dissolved Organic Carbon

The samples were field filtered; a filter blank was not received.

The WG938495-4 MS recovery (40%), performed on L1631095-02, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 10/07/16

INORGANICS
&
MISCELLANEOUS

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-01
Client ID: OV-02_092716_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water
Date Collected: 09/27/16 16:10
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	5.5		mg/l	0.50	0.11	1	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	5.2		mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-02
Client ID: WQ1B-C_092716_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/27/16 11:30
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	2.8		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	1.2		mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-03
Client ID: WQ2-C_092616_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/26/16 14:10
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	7.9		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	1.7		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.57	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-04
Client ID: WQ3-L_092616_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/26/16 13:30
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	8.6		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	0.81	J	mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.29	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-05
Client ID: ES-15_092616_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water
Date Collected: 09/26/16 12:45
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	16.		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	ND		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.07	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-06
Client ID: WQ-ECH_092616_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/26/16 11:00
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	9.2		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	ND		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.13	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-07
Client ID: WQ-FPT_092616_SW_10
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/26/16 11:55
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	13.		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	ND		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.08	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052
Lab Number: L1631095
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631095-08
Client ID: WQ1B-C_092716_SW_10_DUP
Sample Location: WINTERPORT, ME
Matrix: Water

Date Collected: 09/27/16 11:30
Date Received: 09/30/16
Field Prep: Field Filtered (DOC)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
Total Organic Carbon	2.1		mg/l	1.0	0.23	2	-	10/03/16 08:02	1,9060A	DW
Dissolved Organic Carbon	0.95	J	mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Project Name: PENOBSCOT RIVER ESTUARY
Lab Number: L1631095
Project Number: 3616166052
Report Date: 10/07/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG938151-1										
Total Organic Carbon	ND		mg/l	0.50	0.11	1	-	10/03/16 08:02	1,9060A	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG938195-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/01/16 15:45	121,2540D	SG
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG938495-1										
Dissolved Organic Carbon	ND		mg/l	1.0	0.04	1	10/04/16 09:48	10/04/16 09:48	1,9060A	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENOBSCOT RIVER ESTUARY

Project Number: 3616166052

Lab Number: L1631095

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG938151-2								
Total Organic Carbon	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG938495-2								
Dissolved Organic Carbon	91		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938151-4 QC Sample: L1631095-02 Client ID: WQ1B-C_092716_SW_10												
Total Organic Carbon	2.8	8	8.4	**70**	Q	-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938495-4 QC Sample: L1631095-02 Client ID: WQ1B-C_092716_SW_10												
Dissolved Organic Carbon	1.2	4	2.8	**40**	Q	-	-		79-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938151-3 QC Sample: L1631095-02 Client ID: WQ1B-C_092716_SW_10						
Total Organic Carbon	2.8	2.2	mg/l	**24**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938195-2 QC Sample: L1631095-02 Client ID: WQ1B-C_092716_SW_10						
Solids, Total Suspended	ND	ND	mg/l	NC		29
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938495-3 QC Sample: L1631095-02 Client ID: WQ1B-C_092716_SW_10						
Dissolved Organic Carbon	1.2	1.0	mg/l	18		20

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1631095-01A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-01B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-01C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-01D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-01E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-01F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-02A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02A1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02A2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02B1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02B2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02C1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02C2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-02D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02D1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02D2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02E1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02E2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-02F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-02F1	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-02F2	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-03A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-03B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-03C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-03D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-03E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1631095-03F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-04A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-04B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-04C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-04D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-04E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-04F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-05A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-05B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-05C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-05D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-05E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-05F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-06A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-06B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-06C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-06D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-06E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-06F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-07A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-07B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-07C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-07D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-07E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-07F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-08A	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-08A1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08A2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08B	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-08B1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08B2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08C	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	TOC-9060(28)
L1631095-08C1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08C2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08D	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-08D1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: PENOBSCOT RIVER ESTUARY
Project Number: 3616166052

Lab Number: L1631095
Report Date: 10/07/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1631095-08D2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08E	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	DOC-9060(28)
L1631095-08E1	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08E2	Vial H2SO4 preserved	A	N/A	4.1	Y	Absent	-
L1631095-08F	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	TSS-2540(7)
L1631095-08F1	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	-
L1631095-08F2	Plastic 950ml unpreserved	A	N/A	4.1	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name:	PENOBSCOT RIVER ESTUARY	**Lab Number:**	L1631095
Project Number:	3616166052	**Report Date:**	10/07/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	PENOBSCOT RIVER ESTUARY	**Lab Number:**	L1631095
Project Number:	3616166052	**Report Date:**	10/07/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: PENOBSCOT RIVER ESTUARY **Lab Number:** L1631095

Project Number: 3616166052 **Report Date:** 10/07/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Chain Of Custody/Analysis Request Form

L1631695

USDC - Penobscot River

AMEC, Suite 200, 511 Congress Street, Portland, ME

Tech Lead - Louise Venne
Work# 770-421-3461

Lab: Alpha

Proj Chemist - Denise King
508-789-1738

AMEC Job Number = 3616166052

Samp #	Sample Date	Sample Time	Field Sample ID	QC Code	Qty Total	Qty Each	Bottle Size and Material	Preservative	Media	Method	Fraction
1642	9/27/2016	16:10	OV-02_092716_SW_10		6						
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
1643	9/27/2016	11:30	WQ1b-c_092716_SW_10		6						
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
1644	9/26/2016	14:10	WQ2-c_092616_SW_10		6						
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
1645	9/26/2016	13:30	WQ3-L_092616_SW_10		6						
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T

L1631095

Samp #	Sample Date	Sample Time	Field Sample ID	QC Code	Qty Total	Qty Each	Bottle Size and Material	Preservative	Media	Method	Fraction
1646	9/26/2016	12:45	ES-15_092616_SW_10		6						
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
1647	9/26/2016	11:00	WQ-ECH_092616_SW_10		6						
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
1648	9/26/2016	11:55	WQ-FPT_092616_SW_10		6						
				FS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
				FS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
1651	9/27/2016	11:30	WQ1b-c_092716_SW_10_DUP		6						
				FD		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				FD		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				FD		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T
1652	9/27/2016	11:30	WQ1b-c_092716_SW_10_MS		6						
				MS		2 40 mL	Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				MS		3 40 mL	Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				MS		1 1 L	Plastic	4 deg C	SW	TSS (Mod 2450D)	T

LLC31095

Samp #	Sample Date	Sample Time	Field Sample ID	QC Code	Qty Total	Qty Each	Bottle Size and Material	Preservative	Media	Method	Fraction
1653	9/27/2016	11:30	WQ1b-c_092716_SW_10_MD		6						
				MSD		2	40 mL Glass Vial	H2SO4/4 deg C	SW	DOC (SW846 9060)	T
				MSD		3	40 mL Glass Vial	H2SO4/4 deg C	SW	TOC (SW846 9060)	T
				MSD		1	1 L Plastic	4 deg C	SW	TSS (Mod 2450D)	T

QC Codes: FS = Field Sample, EB = Equipment Rinsate Blank, MS - Matrix Spike, MSD = Matrix Spike Duplicate

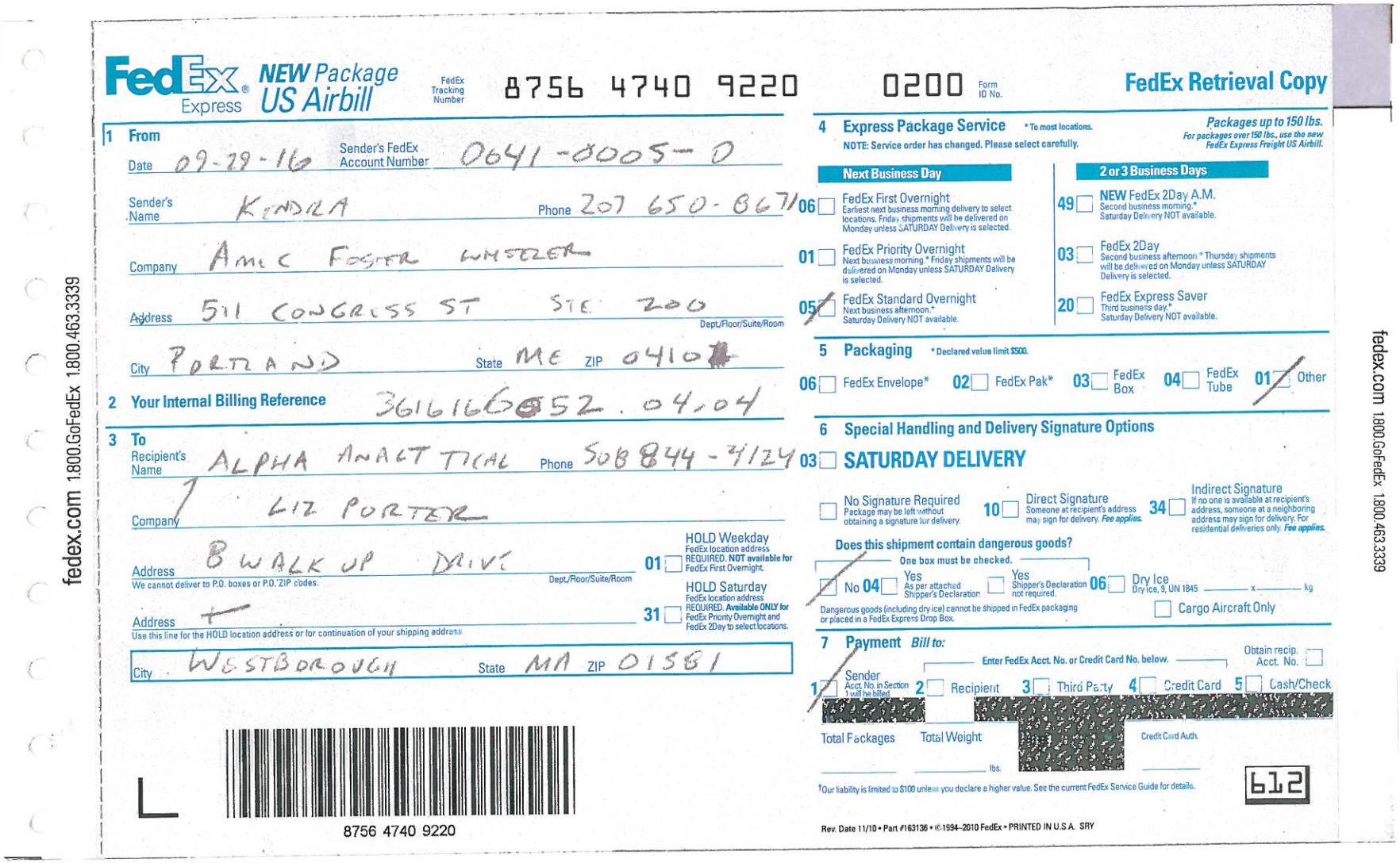
Relinquished: K Ba[signature] *Date:* 9 / 29 / 16 *Time:* 1500

Received: [signature] A.R. *Date:* 9 / 30 / 16 *Time:* 10:14

Fed EX 8756 4740 9220

NOTE: DOC WAS FIELD FILTERED

TOTAL 1 COOLER



FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8756 4740 9220 0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 09-29-16 Sender's FedEx Account Number 0641-0005-0

Sender's Name KENDRA Phone 207 650-8671

Company AMEC FOSTER WHEELER

Address 511 CONGRESS ST STE 200 Dept/Floor/Suite/Room

City PORTLAND State ME ZIP 04101

2 Your Internal Billing Reference 361616652.04.04

3 To

Recipient's Name ALPHA ANALYTICAL Phone 508 844-4124

Company LIZ PORTER

Address 8 WALK UP DRIVE Dept/Floor/Suite/Room

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HOLD Weekday 01 ☐ FedEx location address REQUIRED. NOT available for FedEx First Overnight.

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4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

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06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☐ Other

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

☐ No 04 ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

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1 ☐ Sender Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

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11720 Northcreek Pkwy N, Suite 400
Bothell, WA 98011
425.686.1996 Phone
425.686.3096 Fax

29 November 2016

Rod Pendleton
AMEC Foster Wheeler
511 Congress Street
Portland, ME 04101

RE: Penobscot Seawater Total And Diss Hg and MMHg

Enclosed are the analytical results for samples received by Eurofins Frontier Global Sciences. All quality control measurements are within established control limits and there were no analytical difficulties encountered with the exception of those listed in the case narrative section of this report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Amy Goodall

Amy Goodall
Project Manager

eurofins | Frontier Global Sciences

11720 Northcreek Pkwy N, Suite 400
Bothell, WA 98011
425.686.1996 Phone
425.686.3096 Fax

AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WQ1b-c_102516_SW_10	1610860-01	Water	25-Oct-16 12:30	28-Oct-16 09:40
WQ1b-c_102516_SW_10 Dissolved	1610860-02	Water	25-Oct-16 12:30	28-Oct-16 09:40
WQ1b-c_102516_SW_10_DUP	1610860-03	Water	25-Oct-16 12:30	28-Oct-16 09:40
WQ1b-c_102516_SW_10_DUP Dissolved	1610860-04	Water	25-Oct-16 12:30	28-Oct-16 09:40
ES15_102616_SW_10	1610860-05	Water	26-Oct-16 11:00	28-Oct-16 09:40
ES15_102616_SW_10 Dissolved	1610860-06	Water	26-Oct-16 11:00	28-Oct-16 09:40
WQ-FPT_102616_SW_10	1610860-07	Water	26-Oct-16 11:45	28-Oct-16 09:40
WQ-FPT_102616_SW_10 Dissolved	1610860-08	Water	26-Oct-16 11:45	28-Oct-16 09:40
WQ_ECH_102616_SW_10	1610860-09	Water	26-Oct-16 12:20	28-Oct-16 09:40
WQ_ECH_102616_SW_10 Dissolved	1610860-10	Water	26-Oct-16 12:20	28-Oct-16 09:40
WQ3-L_102616_SW_10	1610860-11	Water	26-Oct-16 13:20	28-Oct-16 09:40
WQ3-L_102616_SW_10 Dissolved	1610860-12	Water	26-Oct-16 13:20	28-Oct-16 09:40
WQ2-C_102616_SW_10	1610860-13	Water	26-Oct-16 14:05	28-Oct-16 09:40
WQ2-C_102616_SW_10 Dissolved	1610860-14	Water	26-Oct-16 14:05	28-Oct-16 09:40
OV-02_102616_SW_10	1610860-15	Water	26-Oct-16 17:50	28-Oct-16 09:40
OV-02_102616_SW_10 Dissolved	1610860-16	Water	26-Oct-16 17:50	28-Oct-16 09:40
EB_102616_SW_QC	1610860-17	Water	26-Oct-16 17:25	28-Oct-16 09:40
EB_102616_SW_QC Dissolved	1610860-18	Water	26-Oct-16 17:25	28-Oct-16 09:40

Eurofins Frontier Global Sciences, Inc.

The results in this report only apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amy Goodall, Project Manager

eurofins | Frontier Global Sciences

11720 Northcreek Pkwy N, Suite 400
Bothell, WA 98011
425.686.1996 Phone
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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

SAMPLE RECEIPT

Samples were received at Eurofins Frontier Global Sciences (EFGS) on 10/28/2016 9:40:00 AM . The samples were received intact, on-ice within a sealed cooler at 0.9 degrees Celsius.

SAMPLE PREPARATION AND ANALYSIS

Samples were prepared and analyzed for total mercury by flow injection atomic fluorescence spectrometry (FI-AFS) in accordance with EPA 1631E.

Samples were prepared and analyzed for methyl mercury by cold vapor gas chromatography atomic fluorescence spectrometry (CV-GC-AFS) in accordance with EPA 1630 (EFGS-070).

ANALYTICAL AND QUALITY CONTROL ISSUES

The samples were prepped for total Mercury in batch F611343. The samples 1610860-01 and 1610860-02 were used as the source sample for batch QC. The samples were prepped in two batches for Methyl Mercury; F611346 and F611388. The samples 1610860-01 and 1610860-02 were used as the source sample for batch QC in batch F611346. There were no QC issues with these batches.

Method blanks were prepared for every preparation to assess possible blank contribution from the sample preparation procedure. The method blanks were carried through the entire analytical procedure. All blanks fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

Liquid spikes, certified reference material (CRM) or a quality control samples (QCS) were prepared for every preparation as a measure of accuracy. All liquid spikes, CRMs and/or QCS samples fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

As an additional measure of the accuracy of the methods used and to check for matrix interference, matrix spikes (MS) and matrix spike duplicates (MSD) were digested and analyzed. All of the matrix spike recoveries fell within the established acceptance criteria with the exception of any items flagged and described in the notes and definitions section of the report.

A reasonable measure of the precision of the analytical methods is the relative percent difference (RPD) between a matrix spike recovery and a matrix spike duplicate recovery and between laboratory control sample recovery and laboratory control sample duplicate recoveries. All of the relative percent differences established acceptance criteria with the exception of any items flagged and described in the notes and

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Bothell, WA 98011
425.686.1996 Phone
425.686.3096 Fax

AMEC Foster Wheeler	Project:	Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number:	3616166052	**Reported:**
Portland ME, 04101	Project Manager:	Rod Pendleton	29-Nov-16 12:46

definitions section of the report.

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Sample Receipt Checklist

EFGS Work Order: 1610860

Client: Amec

Date & Time Received: 10/28/16 940

Date Labeled: 10/28/16 Labeled By: BGW

Project:

Received By: CSP

Label Verified By: CSP

# of Coolers Received: 1 Samples Arrived By: ✓ Shipping Service ____ Courier ____ Hand ____ Other (Specify:____)

Coolant: ☐ None/Ambient ☑ Loose Ice ☐ Gel Ice ☐ Dry Ice Coolant Required: (Y) N Temp Blank Used: (Y)/N for Cooler(s):____

Notify Project Manager if packages/coolers are received without coolant or with thawed coolant and at a temperature in excess of 6°C. PM notified: Y/N

Cooler Information:	Y/N/NA	Comments
The coolers do not appear to be tampered with:	Y	
Custody Seals are present and intact:	NA	
Custody seals signed:	NA	

TID: 3150	CF: +0.4 °C	Date/time: 10/28/16 940	By: CSP
Cooler 1: 0.5 °C	w/ CF: 0.9 °C	Cooler 4: °C	w/ CF: °C
Cooler 2: 3.5 °C	w/ CF: 3.9 °C	Cooler 5: °C	w/ CF: °C
Cooler 3: °C	w/ CF: °C	Cooler 6: °C	w/ CF: °C

Chain of Custody:	Y/N/NA	Comments
Sample ID/Description:	Y	
Date and time of collection:	Y	
Sampled by:	Y	
Preservation type:	Y	
Requested analyses:	Y	
Required signatures:	Y	
Internal COC required:	N	

Sample Condition/Integrity:	Y/N/NA	Comments
Sample containers intact/present:	Y	
Sample labels are present and legible:	Y	
Sample ID on container/bag matches COC:	Y	
Correct sample containers used:	Y	
Samples received within holding times:	Y	
Sample volume sufficient for requested analyses:	Y	
Correct preservative used for requested analyses:	Y	

Anomalies/Non-conformances (attach additional pages if needed):

1610860

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Chain of Custody Record & Laboratory Analysis Request: Air, Water, Sediments, Plant and Animal Tissue, Hydrocarbon & Other Samples

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Phone: 425-686-1996
Fax: 425-686-3096
info@frontiergs.com
http://www.frontiergs.com

Page 1 of 1

Client: AMEC FOSTER WHEELER	Contact: DENISE KING
Address: 511 CONGRESS ST STE 200 PORTLAND ME	Phone: 508-789-1738 Fax:
	E-mail: DENISE.KING@AMECFW.COM
Project Name: USDC PENOBSCOT	Contract/PO:
Report To: DENISE KING	Invoice To: ROD PENDLETON
Address: 2 MILL ROAD CHELMSFORD MA 01824	Address: AMEC FW 511 CONGRESS ST STE 200 PORTLAND ME 04101
Phone: Fax: 978 692 6633	Phone: Fax:
E-mail:	E-mail:

EFGS PM:
Date: 102716
TAT (business days): **20** (std) **15 10 5 4 3 2 24 hrs.**
(For TAT < 10 days, contact PM. Surcharges apply for expedited TAT)
Saturday delivery? ☐ Y ☒ N
(If yes, please contact PM)
EDD ☒ Y ☐ N
QA ☒ Standard ☐ High

Analyses Requested

No.	Engraved Bottle ID	Sample ID	# of Bottles	Matrix	Date & Time	Sampled By	Field Filtered (Y/N)	Field Preserved: HNO₃ HCl BrCl Other (%) H2SO4	TOT Hg 1631e PETG 250mL + DCs	DIS Hg 1631e FILT PETG 250mL 4°C	TOT MeHg 1630 250mL H2SO4	DIS MeHg 1630 250mL H2SO4 FILT			Comments
1		WQ 1b-C_102516_SW_10	4	SB	102516 1230	KCB	Y	Y	1	1	1	1			PROJECT # 3616166052.04.01
2		WQ 1b-C_102516_SW_10_DUP	4		102516 1230				1	1	1	1			2 COOLERS
3		WQ 1b-C_102516_SW_10_MS	4		1230				1	1	1	1			FEDEX #
4		WQ 1b-C_102516_SW_10_MD	4		1231				1	1	1	1			
5		ES 15_102616_SW_10	4		102616 1100				1	1	1	1			8093 9790 5110
6		WQ-FPT_102616_SW_10	4		1145				1	1	1	1			
7		WQ_ECH_102616_SW_10	4		1220				1	1	1	1			
8		WQ 3-L_102616_SW_10	4		1320				1	1	1	1			
9		WQ 2-C_102616_SW_10	4		1405				1	1	1	1			
10		OV-02_102616_SW_10	4		1750				1	1	1	1			
11		EB_102616_SW_QC	4		1725				1	1	1	1			
12									KCB						

For Laboratory Use Only	Comments:
COC Seal: yes	0.9°C
Cooler Temp: ~~0.90~~	CSP 10/28/16
Carrier: Fedex	
VTSR: 940	
# of Coolers:	

Matrix Codes:
FW: Fresh Water
WW: Waste Water
SB: Sea and Brackish Water
SS: Soil and Sediment
TS: Plant and Animal Tissue
HC: Hydrocarbons
TR: Trap
OT: Other

Relinquished By:	Received By:	Received By:
	[signature]	
Name: K. BAVOR	Name: Cotbin Powell	Name:
Organization: AMEC FW	Organization: EFGS	Organization:
Date & Time: 102716 1100	Date & Time: 10/28/16 940	Date & Time:

Tracking number: FED EX 8093 9790 5110

Sample Disposal:
☐ Return (shipping fees may apply)
☒ Standard Disposal – 30 Days after report
☐ Retain for ____ weeks after report (storage fees may apply)

By signing, you declare that you agree with EFGS' terms and conditions, and that you authorize EFGS to perform the specified analyses.

Customer Approval: ____________________ Date: ________

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425.686.3096 Fax

AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ1b-c_102516_SW_10

1610860-01

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.120**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**4.95**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ1b-c_102516_SW_10 Dissolved

1610860-02

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.106**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**4.35**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ1b-c_102516_SW_10_DUP

1610860-03

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.157**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**5.64**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ1b-c_102516_SW_10_DUP Dissolved

1610860-04

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.098**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**4.33**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

ES15_102616_SW_10

1610860-05

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.045**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	J
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**2.35**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

ES15_102616_SW_10 Dissolved

1610860-06

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**0.86**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ-FPT_102616_SW_10

1610860-07

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**1.64**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ-FPT_102616_SW_10 Dissolved

1610860-08

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**1.25**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ_ECH_102616_SW_10

1610860-09

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.136**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**8.49**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ_ECH_102616_SW_10 Dissolved

1610860-10

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.048**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	J
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**2.17**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ3-L_102616_SW_10

1610860-11

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.113**	0.026	0.050	ng/L	1.25	F611346	14-Nov-16	6K17015	16-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**5.42**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ3-L_102616_SW_10 Dissolved

1610860-12

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**0.95**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ2-C_102616_SW_10

1610860-13

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.124**	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**5.27**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

WQ2-C_102616_SW_10 Dissolved

1610860-14

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.034**	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	J
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**1.89**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

OV-02_102616_SW_10

1610860-15

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.078**	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**0.96**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

OV-02_102616_SW_10 Dissolved

1610860-16

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	**0.066**	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	**0.62**	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

EB_102616_SW_QC

1610860-17

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	ND	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	U

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AMEC Foster Wheeler	Project: Penobscot Seawater Total And Diss Hg and MMHg	
511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

EB_102616_SW_QC Dissolved

1610860-18

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-013 Methyl Hg Distillation for Water											
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L	1.25	F611388	17-Nov-16	6K21024	18-Nov-16	EPA 1630/FGS-070	U
Sample Preparation: EPA 1631E BrCl Oxidation											
Mercury	ND	0.08	0.50	ng/L	1	F611343	29-Oct-16	6K14016	14-Nov-16	EPA 1631E	U

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K14016 - F611343											
Cal Standard (6K14016-CAL1)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.53	-		ng/L	0.50100		107				
Cal Standard (6K14016-CAL2)					Prepared & Analyzed: 14-Nov-16						
Mercury	1.03	-		ng/L	1.0020		103				
Cal Standard (6K14016-CAL3)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.72	-		ng/L	5.0100		94.2				
Cal Standard (6K14016-CAL4)					Prepared & Analyzed: 14-Nov-16						
Mercury	19.34	-		ng/L	20.040		96.5				
Cal Standard (6K14016-CAL5)					Prepared & Analyzed: 14-Nov-16						
Mercury	39.64	-		ng/L	40.080		98.9				
Calibration Blank (6K14016-CCB1)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.07	-		ng/L							
Calibration Blank (6K14016-CCB2)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.07	-		ng/L							
Calibration Blank (6K14016-CCB3)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.09	-		ng/L							
Calibration Blank (6K14016-CCB4)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.05	-		ng/L							
Calibration Blank (6K14016-CCB5)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.08	-		ng/L							

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Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K14016 - F611343											
Calibration Blank (6K14016-CCB6)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.08	-		ng/L							
Calibration Blank (6K14016-CCB7)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.08	-		ng/L							
Calibration Blank (6K14016-CCB8)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.07	-		ng/L							
Calibration Check (6K14016-CCV1)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.63	-		ng/L	5.0000		92.7	77-123			
Calibration Check (6K14016-CCV2)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.58	-		ng/L	5.0000		91.6	77-123			
Calibration Check (6K14016-CCV3)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.41	-		ng/L	5.0000		88.2	77-123			
Calibration Check (6K14016-CCV4)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.51	-		ng/L	5.0000		90.2	77-123			
Calibration Check (6K14016-CCV5)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.69	-		ng/L	5.0000		93.8	77-123			
Calibration Check (6K14016-CCV6)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.76	-		ng/L	5.0000		95.1	77-123			
Calibration Check (6K14016-CCV7)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.59	-		ng/L	5.0000		91.8	77-123			

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K14016 - F611343											
Calibration Check (6K14016-CCV8)					Prepared & Analyzed: 14-Nov-16						
Mercury	4.46	-		ng/L	5.0000		89.2	77-123			
Instrument Blank (6K14016-IBL1)					Prepared & Analyzed: 14-Nov-16						
Mercury	ND	0.08	0.50	ng/L							U
Instrument Blank (6K14016-IBL2)					Prepared & Analyzed: 14-Nov-16						
Mercury	ND	0.08	0.50	ng/L							U
Instrument Blank (6K14016-IBL3)					Prepared & Analyzed: 14-Nov-16						
Mercury	ND	0.08	0.50	ng/L							U
Initial Cal Check (6K14016-ICV1)					Prepared & Analyzed: 14-Nov-16						
Mercury	5.01	-		ng/L	5.0000		100	77-123			
Batch 6K17015 - F611346											
Cal Standard (6K17015-CAL1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.052	-		ng/L	0.050050		104				
Cal Standard (6K17015-CAL2)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.201	-		ng/L	0.20020		100				
Cal Standard (6K17015-CAL3)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.976	-		ng/L	1.0010		97.5				
Cal Standard (6K17015-CAL4)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.813	-		ng/L	2.0020		90.6				

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K17015 - F611346											
Cal Standard (6K17015-CAL5)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	4.276	-		ng/L	4.0040		107				
Calibration Blank (6K17015-CCB1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.012	-		ng/L							
Calibration Blank (6K17015-CCB2)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.009	-		ng/L							
Calibration Blank (6K17015-CCB3)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.004	-		ng/L							
Calibration Check (6K17015-CCV1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.571	-		ng/L	0.50049		114	67-133			
Calibration Check (6K17015-CCV2)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.625	-		ng/L	0.50049		125	67-133			
Calibration Check (6K17015-CCV3)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.578	-		ng/L	0.50049		115	67-133			
Instrument Blank (6K17015-IBL1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	ND	0.021	0.040	ng/L							U
Initial Cal Blank (6K17015-ICB1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.010	-		ng/L							
Initial Cal Check (6K17015-ICV1)					Prepared & Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.530	-		ng/L	0.50049		106	67-133			

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Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K21024 - F611388											
Cal Standard (6K21024-CAL1)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.041	-		ng/L	0.050050		82.3				
Cal Standard (6K21024-CAL2)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.191	-		ng/L	0.20020		95.4				
Cal Standard (6K21024-CAL3)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.026	-		ng/L	1.0010		102				
Cal Standard (6K21024-CAL4)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	2.006	-		ng/L	2.0020		100				
Cal Standard (6K21024-CAL5)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	4.770	-		ng/L	4.0040		119				
Calibration Blank (6K21024-CCB1)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.005	-		ng/L							
Calibration Blank (6K21024-CCB2)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.008	-		ng/L							
Calibration Blank (6K21024-CCB3)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.0009	-		ng/L							
Calibration Blank (6K21024-CCB4)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	-0.004	-		ng/L							U
Calibration Check (6K21024-CCV1)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.499	-		ng/L	0.50049		99.7	67-133			

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Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K21024 - F611388											
Calibration Check (6K21024-CCV2)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.569	-		ng/L	0.50049		114	67-133			
Calibration Check (6K21024-CCV3)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.578	-		ng/L	0.50049		116	67-133			
Calibration Check (6K21024-CCV4)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.576	-		ng/L	0.50049		115	67-133			
Instrument Blank (6K21024-IBL1)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	ND	0.021	0.040	ng/L							U
Initial Cal Blank (6K21024-ICB2)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	-0.004	-		ng/L							U
Initial Cal Check (6K21024-ICV2)					Prepared & Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	0.509	-		ng/L	0.50049		102	67-133			
Batch F611343 - EPA 1631E BrCl Oxidation											
Blank (F611343-BLK1)					Prepared & Analyzed: 14-Nov-16						
Mercury	0.14	0.08	0.50	ng/L							J
Blank (F611343-BLK2)					Prepared & Analyzed: 14-Nov-16						
Mercury	ND	0.08	0.50	ng/L							U
Blank (F611343-BLK3)					Prepared & Analyzed: 14-Nov-16						
Mercury	ND	0.08	0.50	ng/L							U

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Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F611343 - EPA 1631E BrCl Oxidation											
LCS (F611343-BS1)					Prepared & Analyzed: 14-Nov-16						
Mercury	15.15	0.08	0.50	ng/L	15.679		96.6	80-120			
LCS Dup (F611343-BSD1)					Prepared & Analyzed: 14-Nov-16						
Mercury	15.46	0.08	0.50	ng/L	15.679		98.6	80-120	1.98	24	
Duplicate (F611343-DUP1)		**Source: 1610860-09**			Prepared & Analyzed: 14-Nov-16						
Mercury	8.41	0.08	0.50	ng/L		8.49			0.937	24	
Matrix Spike (F611343-MS1)		**Source: 1610860-02**			Prepared & Analyzed: 14-Nov-16						
Mercury	24.16	0.08	0.50	ng/L	20.240	4.35	97.9	71-125			
Matrix Spike (F611343-MS2)		**Source: 1610860-01**			Prepared & Analyzed: 14-Nov-16						
Mercury	24.64	0.08	0.50	ng/L	20.240	4.95	97.3	71-125			
Matrix Spike Dup (F611343-MSD1)		**Source: 1610860-02**			Prepared & Analyzed: 14-Nov-16						
Mercury	24.07	0.08	0.50	ng/L	20.240	4.35	97.4	71-125	0.365	24	
Matrix Spike Dup (F611343-MSD2)		**Source: 1610860-01**			Prepared & Analyzed: 14-Nov-16						
Mercury	24.94	0.08	0.50	ng/L	20.240	4.95	98.7	71-125	1.21	24	
Batch F611346 - EFGS-013 Methyl Hg Distillation for Water											
Blank (F611346-BLK1)					Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U
Blank (F611346-BLK2)					Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U

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Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F611346 - EFGS-013 Methyl Hg Distillation for Water											
Blank (F611346-BLK3)					Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U
LCS (F611346-BS1)					Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.217	0.026	0.050	ng/L	1.0010		122	70-130			
LCS Dup (F611346-BSD1)					Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.262	0.026	0.050	ng/L	1.0010		126	70-130	3.67	35	
Duplicate (F611346-DUP1)		**Source: 1610860-03**			Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	0.122	0.026	0.050	ng/L		0.157			25.6	35	
Matrix Spike (F611346-MS1)		**Source: 1610860-01**			Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.432	0.026	0.050	ng/L	1.0010	0.120	131	65-130			QM-07
Matrix Spike (F611346-MS2)		**Source: 1610860-02**			Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.331	0.026	0.050	ng/L	1.0010	0.106	122	65-130			
Matrix Spike Dup (F611346-MSD1)		**Source: 1610860-01**			Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.375	0.026	0.050	ng/L	1.0010	0.120	125	65-130	4.02	35	
Matrix Spike Dup (F611346-MSD2)		**Source: 1610860-02**			Prepared: 14-Nov-16 Analyzed: 16-Nov-16						
Methyl Mercury (as Mercury)	1.518	0.026	0.050	ng/L	1.0010	0.106	141	65-130	13.1	35	QM-07
Batch F611388 - EFGS-013 Methyl Hg Distillation for Water											
Blank (F611388-BLK1)					Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U

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Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F611388 - EFGS-013 Methyl Hg Distillation for Water											
Blank (F611388-BLK2)					Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U
Blank (F611388-BLK3)					Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	ND	0.026	0.050	ng/L							U
LCS (F611388-BS1)					Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.203	0.026	0.050	ng/L	1.0010		120	70-130			
LCS Dup (F611388-BSD1)					Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.166	0.026	0.050	ng/L	1.0010		117	70-130	3.11	35	
Duplicate (F611388-DUP1)		**Source: 1610654-03**			Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.422	0.026	0.050	ng/L		1.533			7.51	35	
Matrix Spike (F611388-MS1)		**Source: 1610654-03**			Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	2.780	0.026	0.050	ng/L	1.0010	1.533	125	65-130			
Matrix Spike (F611388-MS2)		**Source: 1611168-01**			Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.250	0.026	0.050	ng/L	1.0010	ND	125	65-130			
Matrix Spike Dup (F611388-MSD1)		**Source: 1610654-03**			Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	2.810	0.026	0.050	ng/L	1.0010	1.533	128	65-130	1.07	35	
Matrix Spike Dup (F611388-MSD2)		**Source: 1611168-01**			Prepared: 17-Nov-16 Analyzed: 18-Nov-16						
Methyl Mercury (as Mercury)	1.290	0.026	0.050	ng/L	1.0010	ND	129	65-130	3.13	35	

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511 Congress Street	Project Number: 3616166052	**Reported:**
Portland ME, 04101	Project Manager: Rod Pendleton	29-Nov-16 12:46

Notes and Definitions

U	Analyte was not detected and is reported as less than the LOD or as defined by the client. The LOD has been adjusted for any dilution or concentration of the sample.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on LCS and LCSD recoveries within control limits and, when analysis permits, acceptable AS/ASD.
QB-06	The blank was preserved to 5% BrCl rather than 1%. The control limit for blanks preserved to greater than 1% BrCl is the preservation percentage multiplied by the MRL.
J	The result is an estimated concentration.
FB	This blank is a filtration blank. Data is reported for informational purposes only.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Analysis Datasheet for Total Mercury

Date of Analysis: November 14, 2016
Instrument #: Hg2600-2
LIMS Sequence #: 6K14016, 6K14017

Analyst: DM2
Units ng/L

Calibration Statistics:

LabNumber	n	True Val	Area	Uncorrected Response Factor	Corrected Peak Height	Corrected Response Factor	% Recovery
SEQ-CAL1	1	0.50 ng/L	132.26 units	264.53	118.70 units	237.39	106.8 %Rec
SEQ-CAL2	1	1.00 ng/L	242.27 units	242.27	228.71 units	228.71	102.9 %Rec
SEQ-CAL3	1	5.00 ng/L	1062.58 units	212.52	1049.01 units	209.80	94.4 %Rec
SEQ-CAL4	1	20.00 ng/L	4309.42 units	215.47	4295.86 units	214.79	96.7 %Rec
SEQ-CAL5	1	40.00 ng/L	8821.00 units	220.53	8807.44 units	220.19	99.1 %Rec
SEQ-CAL6	0						
SEQ-CAL7	0						
SEQ-CAL8	0						
SEQ-CAL9	0						

Corr. Mean RF	Corr. St Dev RF	Corr. RSD CF	Uncorr. Mean RF
222.18	+/- 11.02	5.0% RSD	231.06

Blanks:

LabNumber	n	Mean	Std Dev	Mean (ng/L)	Std Dev (ng/L)
SEQ-IBL	3	13.57 units	±3.05	0.06 ng/L	±0.01

Preparation Blanks

Sample Type	Batch ID	n	Mean	Std Dev
BLK	1	3	0.076 ng/L	±0.053
BLK	2	3	0.169 ng/L	±0.082
BLK	3	1	0.105 ng/L	
BLK	4	0	0.000 ng/L	
BLK	5	0	0.000 ng/L	
BLK	6	0	0.000 ng/L	

QUALITY ASSURANCE
PEER - REVIEWED
INITIALS: BC 11/15/16

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	RunEnd	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2600-2	DM2	CAL	SEQ-IBL1	1	11/14/2016 10:45:47	65643-1.RAW	10:45:47 AM	16.10			2.5	0.011	0.011	ng/L	
Hg2600-2	DM2	CAL	SEQ-IBL2	1	11/14/2016 10:49:56	65644-1.RAW	10:49:56 AM	14.42			0.9	0.004	0.004	ng/L	
Hg2600-2	DM2	CAL	SEQ-IBL3	1	11/14/2016 10:54:04	65645-1.RAW	10:54:04 AM	10.18			-3.4	-0.015	-0.015	ng/L	
Hg2600-2	DM2	CAL	SEQ-CAL1	1	11/14/2016 10:58:13	65646-1.RAW	10:58:13 AM	132.26			118.7	0.534	0.534	ng/L	
Hg2600-2	DM2	CAL	SEQ-CAL2	1	11/14/2016 11:02:21	65647-1.RAW	11:02:21 AM	242.27			228.7	1.029	1.029	ng/L	
Hg2600-2	DM2	CAL	SEQ-CAL3	1	11/14/2016 11:06:29	65648-1.RAW	11:06:29 AM	1062.58			1049.0	4.722	4.722	ng/L	
Hg2600-2	DM2	CAL	SEQ-CAL4	1	11/14/2016 11:10:38	65649-1.RAW	11:10:38 AM	4309.42			4295.9	19.335	19.335	ng/L	
Hg2600-2	DM2	CAL	SEQ-CAL5	1	11/14/2016 11:14:46	65650-1.RAW	11:14:46 AM	8821.00			8807.4	39.642	39.642	ng/L	
Hg2600-2	DM2	CAL	SEQ-ICV1	1	11/14/2016 11:18:55	65651-1.RAW	11:18:55 AM	1126.36			1112.8	5.009	5.009	ng/L	
Hg2600-2	DM2	BLK	F611343-BLK1	1	11/14/2016 11:23:03	65652-1.RAW	11:23:03 AM	43.53	1		30.0	0.135	0.135	ng/L	
Hg2600-2	DM2	BLK	F611343-BLK2	1	11/14/2016 11:27:12	65653-1.RAW	11:27:12 AM	27.18	1		13.6	0.061	0.061	ng/L	
Hg2600-2	DM2	BLK	F611343-BLK3	1	11/14/2016 11:31:20	65654-1.RAW	11:31:20 AM	20.89	1		7.3	0.033	0.033	ng/L	
Hg2600-2	DM2	SAM	F611343-BS1	1	11/14/2016 11:35:28	65655-1.RAW	11:35:28 AM	3363.94	1		3350.4	15.003	15.003	ng/L	
Hg2600-2	DM2	SAM	F611343-BSD1	1	11/14/2016 11:39:37	65656-1.RAW	11:39:37 AM	3430.47	1		3416.9	15.303	15.303	ng/L	
Hg2600-2	DM2	SAM	1610860-01	1	11/14/2016 11:43:45	65657-1.RAW	11:43:45 AM	1119.19	1		1105.6	4.900	4.900	ng/L	
Hg2600-2	DM2	SAM	1610860-02	1	11/14/2016 11:47:54	65658-1.RAW	11:47:54 AM	987.84	1		974.3	4.309	4.309	ng/L	
Hg2600-2	DM2	SAM	1610860-03	1	11/14/2016 11:52:02	65659-1.RAW	11:52:02 AM	1271.13	1		1257.6	5.584	5.584	ng/L	
Hg2600-2	DM2	SAM	1610860-04	1	11/14/2016 11:56:10	65660-1.RAW	11:56:10 AM	982.11	1		968.5	4.283	4.283	ng/L	
Hg2600-2	DM2	SAM	1610860-05	1	11/14/2016 12:00:19	65661-1.RAW	12:00:19 PM	547.47	1		533.9	2.327	2.327	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV1	1	11/14/2016 12:04:28	65662-1.RAW	12:04:28 PM	1043.30			1029.7	4.635	4.635	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB1	1	11/14/2016 12:08:37	65663-1.RAW	12:08:37 PM	28.03			14.5	0.065	0.065	ng/L	
Hg2600-2	DM2	SAM	1610860-06	1	11/14/2016 12:12:45	65664-1.RAW	12:12:45 PM	218.92	1		205.4	0.848	0.848	ng/L	
Hg2600-2	DM2	SAM	1610860-07	1	11/14/2016 12:16:54	65665-1.RAW	12:16:54 PM	390.72	1		377.2	1.621	1.621	ng/L	
Hg2600-2	DM2	SAM	1610860-08	1	11/14/2016 12:21:02	65666-1.RAW	12:21:02 PM	304.79	1		291.2	1.234	1.234	ng/L	
Hg2600-2	DM2	SAM	1610860-09	1	11/14/2016 12:25:10	65667-1.RAW	12:25:10 PM	1898.31	1		1884.7	8.407	8.407	ng/L	
Hg2600-2	DM2	SAM	1610860-10	1	11/14/2016 12:29:19	65668-1.RAW	12:29:19 PM	508.82	1		495.2	2.153	2.153	ng/L	
Hg2600-2	DM2	SAM	1610860-11	1	11/14/2016 12:33:27	65669-1.RAW	12:33:27 PM	1223.90	1		1210.3	5.371	5.371	ng/L	
Hg2600-2	DM2	SAM	1610860-12	1	11/14/2016 12:37:36	65670-1.RAW	12:37:36 PM	239.67	1		226.1	0.941	0.941	ng/L	
Hg2600-2	DM2	SAM	1610860-13	1	11/14/2016 12:41:44	65671-1.RAW	12:41:44 PM	1189.07	1		1175.5	5.214	5.214	ng/L	
Hg2600-2	DM2	SAM	1610860-14	1	11/14/2016 12:45:52	65672-1.RAW	12:45:52 PM	447.24	1		433.7	1.876	1.876	ng/L	
Hg2600-2	DM2	SAM	1610860-15	1	11/14/2016 12:50:01	65673-1.RAW	12:50:01 PM	242.28	1		228.7	0.953	0.953	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV2	1	11/14/2016 12:54:09	65674-1.RAW	12:54:09 PM	1031.53			1018.0	4.582	4.582	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB2	1	11/14/2016 12:58:18	65675-1.RAW	12:58:18 PM	28.62			15.0	0.068	0.068	ng/L	
Hg2600-2	DM2	SAM	1610860-16	1	11/14/2016 13:02:26	65676-1.RAW	1:02:26 PM	167.22	1		153.7	0.615	0.615	ng/L	
Hg2600-2	DM2	SAM	1610860-17	1	11/14/2016 13:06:34	65677-1.RAW	1:06:34 PM	18.30	1		4.7	-0.055	-0.055	ng/L	
Hg2600-2	DM2	SAM	1610860-18	1	11/14/2016 13:10:43	65678-1.RAW	1:10:43 PM	21.84	1		8.3	-0.039	-0.039	ng/L	
Hg2600-2	DM2	SAM	F611343-DUP1	1	11/14/2016 13:14:51	65679-1.RAW	1:14:51 PM	1880.90	1		1867.3	8.328	8.328	ng/L	
Hg2600-2	DM2	SAM	F611343-MS1	1	11/14/2016 13:19:00	65680-1.RAW	1:19:00 PM	5345.40	1		5331.8	23.922	23.922	ng/L	
Hg2600-2	DM2	SAM	F611343-MSD1	1	11/14/2016 13:23:08	65681-1.RAW	1:23:08 PM	5326.05	1		5312.5	23.835	23.835	ng/L	
Hg2600-2	DM2	SAM	F611343-MS2	1	11/14/2016 13:27:17	65682-1.RAW	1:27:17 PM	5450.01	1		5436.4	24.393	24.393	ng/L	
Hg2600-2	DM2	SAM	F611343-MSD2	1	11/14/2016 13:31:25	65683-1.RAW	1:31:25 PM	5515.79	1		5502.2	24.689	24.689	ng/L	
Hg2600-2	DM2	BLK	F611342-BLK1	1	11/14/2016 13:35:33	65684-1.RAW	1:35:33 PM	71.82	2		58.3	0.262	0.262	ng/L	
Hg2600-2	DM2	BLK	F611342-BLK2	1	11/14/2016 13:39:42	65685-1.RAW	1:39:42 PM	44.96	2		31.4	0.141	0.141	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV3	1	11/14/2016 13:43:50	65686-1.RAW	1:43:50 PM	993.61			980.0	4.411	4.411	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB3	1	11/14/2016 13:47:59	65687-1.RAW	1:47:59 PM	32.71			19.1	0.086	0.086	ng/L	
Hg2600-2	DM2	BLK	F611342-BLK3	1	11/14/2016 13:53:33	65688-1.RAW	1:53:33 PM	36.83	2		23.3	0.105	0.105	ng/L	
Hg2600-2	DM2	BLK	F611342-BLK4	1	11/14/2016 13:57:41	65689-1.RAW	1:57:41 PM	36.81	3		23.2	0.105	0.105	ng/L	
Hg2600-2	DM2	SAM	F611342-BS1	1	11/14/2016 14:01:49	65690-1.RAW	2:01:49 PM	3378.45	2		3364.9	14.976	14.976	ng/L	
Hg2600-2	DM2	SAM	F611342-BSD1	1	11/14/2016 14:05:58	65691-1.RAW	2:05:58 PM	3511.98	2		3498.4	15.577	15.577	ng/L	
Hg2600-2	DM2	SAM	1610566-13	1	11/14/2016 14:10:06	65692-1.RAW	2:10:06 PM	200.82	2		187.3	0.673	0.673	ng/L	
Hg2600-2	DM2	SAM	1610566-14	1	11/14/2016 14:14:15	65693-1.RAW	2:14:15 PM	96.31	2		82.7	0.203	0.203	ng/L	
Hg2600-2	DM2	SAM	1610566-15	1	11/14/2016 14:18:23	65694-1.RAW	2:18:23 PM	26.31	2		12.7	-0.112	-0.112	ng/L	
Hg2600-2	DM2	SAM	1610566-16	1	11/14/2016 14:22:32	65695-1.RAW	2:22:32 PM	34.69	2		21.1	-0.074	-0.074	ng/L	
Hg2600-2	DM2	SAM	1610566-18	1	11/14/2016 14:26:40	65696-1.RAW	2:26:40 PM	36.82	2		23.3	-0.065	-0.065	ng/L	
Hg2600-2	DM2	SAM	1610609-01	1	11/14/2016 14:30:48	65697-1.RAW	2:30:48 PM	70.31	2		56.7	0.086	0.086	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV4	1	11/14/2016 14:34:57	65698-1.RAW	2:34:57 PM	1015.99			1002.4	4.512	4.512	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB4	1	11/14/2016 14:39:05	65699-1.RAW	2:39:05 PM	25.43			11.9	0.053	0.053	ng/L	

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	RunEnd	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2600-2	DM2	SAM	1610609-02	1	11/14/2016 14:43:14	65700-1.RAW	2:43:14 PM	1169.21	2		1155.6	5.032	5.032	ng/L	
Hg2600-2	DM2	SAM	1610609-03	1	11/14/2016 14:47:22	65701-1.RAW	2:47:22 PM	369.90	2		356.3	1.434	1.434	ng/L	
Hg2600-2	DM2	SAM	1610609-04	1	11/14/2016 14:51:30	65702-1.RAW	2:51:30 PM	372.00	2		358.4	1.444	1.444	ng/L	
Hg2600-2	DM2	SAM	1610609-05	1	11/14/2016 14:55:39	65703-1.RAW	2:55:39 PM	427.12	2		413.6	1.692	1.692	ng/L	
Hg2600-2	DM2	SAM	1610609-06	1	11/14/2016 14:59:47	65704-1.RAW	2:59:47 PM	431.63	2		418.1	1.712	1.712	ng/L	
Hg2600-2	DM2	SAM	1610609-07	1	11/14/2016 15:03:56	65705-1.RAW	3:03:56 PM	428.01	2		414.4	1.696	1.696	ng/L	
Hg2600-2	DM2	SAM	1610609-08	1	11/14/2016 15:08:04	65706-1.RAW	3:08:04 PM	24.92	2		11.3	-0.118	-0.118	ng/L	
Hg2600-2	DM2	SAM	1611118-02	1	11/14/2016 15:12:13	65707-1.RAW	3:12:13 PM	7204.71	2		7191.1	32.197	32.197	ng/L	
Hg2600-2	DM2	SAM	1611118-04	1	11/14/2016 15:16:21	65708-1.RAW	3:16:21 PM	344.93	2		331.4	1.322	1.322	ng/L	
Hg2600-2	DM2	SAM	1611118-06	1	11/14/2016 15:20:30	65709-1.RAW	3:20:30 PM	55.10	2		41.5	0.018	0.018	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV5	1	11/14/2016 15:24:38	65710-1.RAW	3:24:38 PM	1055.325762			1041.8	4.689	4.689	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB5	1	11/14/2016 15:28:46	65711-1.RAW	3:28:46 PM	32.18			18.6	0.084	0.084	ng/L	
Hg2600-2	DM2	SAM	1611118-08	1	11/14/2016 15:32:55	65712-1.RAW	3:32:55 PM	23.51	2		9.9	-0.125	-0.125	ng/L	
Hg2600-2	DM2	SAM	1611149-01	10	11/14/2016 15:37:03	65713-1.RAW	3:37:03 PM	336.11	2		322.5	1.435	14.348	ng/L	
Hg2600-2	DM2	SAM	1611151-01	10	11/14/2016 15:41:12	65714-1.RAW	3:41:12 PM	976.96	3		963.4	4.326	43.257	ng/L	
Hg2600-2	DM2	SAM	F611342-DUP1	1	11/14/2016 15:45:20	65715-1.RAW	3:45:20 PM	374.98	2		361.4	1.457	1.457	ng/L	
Hg2600-2	DM2	SAM	F611342-MS1	1	11/14/2016 15:49:28	65716-1.RAW	3:49:28 PM	5339.94	2		5326.4	23.804	23.804	ng/L	
Hg2600-2	DM2	SAM	F611342-MSD1	1	11/14/2016 15:53:37	65717-1.RAW	3:53:37 PM	5327.39	2		5313.8	23.748	23.748	ng/L	
Hg2600-2	DM2	SAM	F611342-MS2	1	11/14/2016 15:57:45	65718-1.RAW	3:57:45 PM	1495.83	2		1482.3	6.502	6.502	ng/L	
Hg2600-2	DM2	SAM	F611342-MSD2	1	11/14/2016 16:01:54	65719-1.RAW	4:01:54 PM	1500.17	2		1486.6	6.522	6.522	ng/L	
Hg2600-2	DM2	BLK	F611341-BLK1	1	11/14/2016 16:06:02	65720-1.RAW	4:06:02 PM	43.40		x	29.8	0.134	0.134	ng/L	
Hg2600-2	DM2	BLK	F611341-BLK2	1	11/14/2016 16:10:11	65721-1.RAW	4:10:11 PM	36.50		x	22.9	0.103	0.103	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV6	1	11/14/2016 16:14:19	65722-1.RAW	4:14:19 PM	1070.21			1056.6	4.756	4.756	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB6	1	11/14/2016 16:18:27	65723-1.RAW	4:18:27 PM	32.02			18.4	0.083	0.083	ng/L	
Hg2600-2	DM2	BLK	F611341-BLK3	1	11/14/2016 16:22:36	65724-1.RAW	4:22:36 PM	20.84		x	7.3	0.033	0.033	ng/L	
Hg2600-2	DM2	SAM	F611341-BS1	1	11/14/2016 16:26:44	65725-1.RAW	4:26:44 PM	3442.01		x	3428.4	15.431	15.431	ng/L	
Hg2600-2	DM2	SAM	F611341-BSD1	1	11/14/2016 16:30:53	65726-1.RAW	4:30:53 PM	3322.17		x	3308.6	14.892	14.892	ng/L	
Hg2600-2	DM2	SAM	F611341-BS2	1	11/14/2016 16:35:01	65727-1.RAW	4:35:01 PM	3406.79		x	3393.2	15.273	15.273	ng/L	
Hg2600-2	DM2	SAM	F611341-BSD2	1	11/14/2016 16:39:10	65728-1.RAW	4:39:10 PM	3449.69		x	3436.1	15.466	15.466	ng/L	
Hg2600-2	DM2	CAL	SEQ-LCV1	1	11/14/2016 16:43:18	65729-1.RAW	4:43:18 PM	172.35			158.8	0.715	0.715	ng/L	
Hg2600-2	DM2	CAL	SEQ-LCV2	1	11/14/2016 16:47:26	65730-1.RAW	4:47:26 PM	97.53			84.0	0.378	0.378	ng/L	
Hg2600-2	DM2	SAM	1610565-05	1	11/14/2016 16:51:35	65731-1.RAW	4:51:35 PM	74.06		x	60.5	0.272	0.272	ng/L	
Hg2600-2	DM2	SAM	1610565-06	1	11/14/2016 16:55:43	65732-1.RAW	4:55:43 PM	74.92		x	61.3	0.276	0.276	ng/L	
Hg2600-2	DM2	SAM	1610565-07	1	11/14/2016 16:59:51	65733-1.RAW	4:59:51 PM	72.88		x	59.3	0.267	0.267	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV7	1	11/14/2016 17:04:00	65734-1.RAW	5:04:00 PM	1032.87			1019.3	4.588	4.588	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB7	1	11/14/2016 17:08:08	65735-1.RAW	5:08:08 PM	32.33			18.8	0.084	0.084	ng/L	
Hg2600-2	DM2	SAM	1610565-08	1	11/14/2016 17:12:17	65736-1.RAW	5:12:17 PM	67.21		x	53.6	0.241	0.241	ng/L	
Hg2600-2	DM2	SAM	1610565-09	1	11/14/2016 17:16:25	65737-1.RAW	5:16:25 PM	66.57		x	53.0	0.239	0.239	ng/L	
Hg2600-2	DM2	SAM	1610565-10	1	11/14/2016 17:20:34	65738-1.RAW	5:20:34 PM	69.18		x	55.6	0.250	0.250	ng/L	
Hg2600-2	DM2	SAM	1610565-11	1	11/14/2016 17:24:42	65739-1.RAW	5:24:42 PM	41.61		x	28.0	0.126	0.126	ng/L	
Hg2600-2	DM2	SAM	F611341-DUP1	1	11/14/2016 17:28:50	65740-1.RAW	5:28:50 PM	62.12		x	48.6	0.219	0.219	ng/L	
Hg2600-2	DM2	SAM	F611341-MS1	1	11/14/2016 17:33:00	65741-1.RAW	5:33:00 PM	604.52		x	590.9	2.660	2.660	ng/L	
Hg2600-2	DM2	SAM	F611341-MSD1	1	11/14/2016 17:37:08	65742-1.RAW	5:37:08 PM	618.38		x	604.8	2.722	2.722	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCV8	1	11/14/2016 17:41:17	65743-1.RAW	5:41:17 PM	1004.14			990.6	4.459	4.459	ng/L	
Hg2600-2	DM2	CAL	SEQ-CCB8	1	11/14/2016 17:45:25	65744-1.RAW	5:45:25 PM	29.42			15.8	0.071	0.071	ng/L	

TotalMercury	**Operat** DM	**BlankS** 13.567	**Calib Eqn:** Conc = (Area-13.56	**Run Date:** ######	**Blank SD:**	3.05439709		
EPA1631	**Worksh** THG260	**CalibFa** 222.18	**Status:** QC Warnings:4/QC E	**Run Time:** 13:49:24	**Blank RSD%:**	22.51339535		
	Method ####	**R:** 0.9999	**R²:** 0.9998		**CF SD:**	11.02002766		
	Descrip THG26002-161114-1				**CF RSD%:**	4.960048634		

Sample/ID	Location	Rinse	Dilute	Blank	Conc (ppt)	MB%	FinalConc	Rec%	QA	RawData	RunEnd	Peak (Raw)	Control (etf)	Flags	RunCount
Clean				0.00	9.96					65638-1.RAW	10:26:22	2213.88	Clean	OK	1
CLEAN				0.00	0.03					65639-1.RAW	10:29:14	6.49	Clean	OK	1
WS				13.57	0.01					65640-1.RAW	10:33:22	14.73	Sample	OK	1
WS				13.57	0.00					65641-1.RAW	10:37:30	11.30	Sample	OK	1
WS				13.57	0.00					65642-1.RAW	10:41:39	13.49	Sample	OK	1
SEQ-IBL1	A1		1	0.00	0.07					65643-1.RAW	10:45:47	16.10	Sample	OK	1
SEQ-IBL2	A2		1	0.00	0.06					65644-1.RAW	10:49:56	14.42	Sample	OK	1
SEQ-IBL3	A3		1	0.00	0.05					65645-1.RAW	10:54:04	10.18	Sample	OK	1
SEQ-CAL1	A4		1	13.57	0.53			106.85		65646-1.RAW	10:58:13	132.26	Sample	OK	1
SEQ-CAL2	A5		1	13.57	1.03			102.94		65647-1.RAW	11:02:21	242.27	Sample	OK	1
SEQ-CAL3	A6		1	13.57	4.72			94.43		65648-1.RAW	11:06:29	1062.58	Sample	OK	1
SEQ-CAL4	A7		1	13.57	19.34			96.68		65649-1.RAW	11:10:38	4309.42	Sample	OK	1
SEQ-CAL5	A8		1	13.57	39.64			99.10		65650-1.RAW	11:14:46	8821.00	Sample	OK	1
SEQ-ICV1	A9		1	13.57	5.01			100.17		65651-1.RAW	11:18:55	1126.36	Sample	OK	1
F611343-BLK1	A10		1	13.57	0.13					65652-1.RAW	11:23:03	43.53	Sample	OK	1
F611343-BLK2	A11		1	13.57	0.06					65653-1.RAW	11:27:12	27.18	Sample	OK	1
F611343-BLK3	A12		1	13.57	0.03					65654-1.RAW	11:31:20	20.89	Sample	OK	1
F611343-BS1	A13		1	13.57	15.08					65655-1.RAW	11:35:28	3363.94	Sample	OK	1
F611343-BSD1	A14		1	13.57	15.38					65656-1.RAW	11:39:37	3430.47	Sample	OK	1
1610860-01	A15		1	13.57	4.98					65657-1.RAW	11:43:45	1119.19	Sample	OK	1
1610860-02	A16		1	13.57	4.39					65658-1.RAW	11:47:54	987.84	Sample	OK	1
1610860-03	A17		1	13.57	5.66					65659-1.RAW	11:52:02	1271.13	Sample	OK	1
1610860-04	A18		1	13.57	4.36					65660-1.RAW	11:56:10	982.11	Sample	OK	1
1610860-05	A19		1	13.57	2.40					65661-1.RAW	12:00:19	547.47	Sample	OK	1
SEQ-CCV1	A20		1	13.57	4.63			92.70		65662-1.RAW	12:04:28	1043.30	Sample	OK	1
SEQ-CCB1	A21		1	13.57	0.07			0.00		65663-1.RAW	12:08:37	28.03	Sample	OK	1
1610860-06	B1		1	13.57	0.92					65664-1.RAW	12:12:45	218.92	Sample	OK	1
1610860-07	B2		1	13.57	1.70					65665-1.RAW	12:16:54	390.72	Sample	OK	1
1610860-08	B3		1	13.57	1.31					65666-1.RAW	12:21:02	304.79	Sample	OK	1
1610860-09	B4		1	13.57	8.48					65667-1.RAW	12:25:10	1898.31	Sample	OK	1
1610860-10	B5		1	13.57	2.23					65668-1.RAW	12:29:19	508.82	Sample	OK	1
1610860-11	B6		1	13.57	5.45					65669-1.RAW	12:33:27	1223.90	Sample	OK	1
1610860-12	B7		1	13.57	1.02					65670-1.RAW	12:37:36	239.67	Sample	OK	1
1610860-13	B8		1	13.57	5.29					65671-1.RAW	12:41:44	1189.07	Sample	OK	1
1610860-14	B9		1	13.57	1.95					65672-1.RAW	12:45:52	447.24	Sample	OK	1
1610860-15	B10		1	13.57	1.03					65673-1.RAW	12:50:01	242.28	Sample	OK	1
SEQ-CCV2	B11		1	13.57	4.58			91.64		65674-1.RAW	12:54:09	1031.53	Sample	OK	1
SEQ-CCB2	B12		1	13.57	0.07			0.00		65675-1.RAW	12:58:18	28.62	Sample	OK	1
1610860-16	B13		1	13.57	0.69					65676-1.RAW	13:02:26	167.22	Sample	OK	1
1610860-17	B14		1	13.57	0.02					65677-1.RAW	13:06:34	18.30	Sample	OK	1
1610860-18	B15		1	13.57	0.04					65678-1.RAW	13:10:43	21.84	Sample	OK	1
F611343-DUP1	B16		1	13.57	8.40					65679-1.RAW	13:14:51	1880.90	Sample	OK	1
F611343-MS1	B17		1	13.57	24.00			255.17		65680-1.RAW	13:19:00	5345.40	Sample	OK	1

F611343-MSD1	B18	1	13.57	23.91		65681-1.RAW	13:23:08	5326.05	Sample	OK	1
F611343-MS2	B19	1	13.57	24.47	94.43	65682-1.RAW	13:27:17	5450.01	Sample	OK	1
F611343-MSD2	B20	1	13.57	24.77		65683-1.RAW	13:31:25	5515.79	Sample	OK	1
F611342-BLK1	B21	1	13.57	0.26		65684-1.RAW	13:35:33	71.82	Sample	OK	1
F611342-BLK2	C1	1	13.57	0.14		65685-1.RAW	13:39:42	44.96	Sample	OK	1
SEQ-CCV3	C2	1	13.57	4.41	88.22	65686-1.RAW	13:43:50	993.61	Sample	OK	1
SEQ-CCB3	C3	1	13.57	0.09	0.00	65687-1.RAW	13:47:59	32.71	Sample	OK	1
F611342-BLK3	C4	1	13.57	0.10		65688-1.RAW	13:53:33	36.83	Sample	OK	1
F611342-BLK4	C5	1	13.57	0.10		65689-1.RAW	13:57:41	36.81	Sample	OK	1
F611342-BS1	C6	1	13.57	15.15		65690-1.RAW	14:01:49	3378.45	Sample	OK	1
F611342-BSD1	C7	1	13.57	15.75		65691-1.RAW	14:05:58	3511.98	Sample	OK	1
1610566-13	C8	1	13.57	0.84		65692-1.RAW	14:10:06	200.82	Sample	OK	1
1610566-14	C9	1	13.57	0.37		65693-1.RAW	14:14:15	96.31	Sample	OK	1
1610566-15	C10	1	13.57	0.06		65694-1.RAW	14:18:23	26.31	Sample	OK	1
1610566-16	C11	1	13.57	0.10		65695-1.RAW	14:22:32	34.69	Sample	OK	1
1610566-18	C12	1	13.57	0.10		65696-1.RAW	14:26:40	36.82	Sample	OK	1
1610609-01	C13	1	13.57	0.26		65697-1.RAW	14:30:48	70.31	Sample	OK	1
SEQ-CCV4	C14	1	13.57	4.51	90.24	65698-1.RAW	14:34:57	1015.99	Sample	OK	1
SEQ-CCB4	C15	1	13.57	0.05	0.00	65699-1.RAW	14:39:05	25.43	Sample	OK	1
1610609-02	C16	1	13.57	5.20		65700-1.RAW	14:43:14	1169.21	Sample	OK	1
1610609-03	C17	1	13.57	1.60		65701-1.RAW	14:47:22	369.90	Sample	OK	1
1610609-04	C18	1	13.57	1.61		65702-1.RAW	14:51:30	372.00	Sample	OK	1
1610609-05	C19	1	13.57	1.86		65703-1.RAW	14:55:39	427.12	Sample	OK	1
1610609-06	C20	1	13.57	1.88		65704-1.RAW	14:59:47	431.63	Sample	OK	1
1610609-07	C21	1	13.57	1.87		65705-1.RAW	15:03:56	428.01	Sample	OK	1
1610609-08	A1	1	13.57	0.05		65706-1.RAW	15:08:04	24.92	Sample	OK	1
1611118-02	A2	1	13.57	32.37		65707-1.RAW	15:12:13	7204.71	Sample	OK	1
1611118-04	A3	1	13.57	1.49		65708-1.RAW	15:16:21	344.93	Sample	OK	1
1611118-06	A4	1	13.57	0.19		65709-1.RAW	15:20:30	55.10	Sample	OK	1
SEQ-CCV5	A5	1	13.57	4.69	93.78	65710-1.RAW	15:24:38	1055.33	Sample	OK	1
SEQ-CCB5	A6	1	13.57	0.08	0.00	65711-1.RAW	15:28:46	32.18	Sample	OK	1
1611118-08	A7	1	13.57	0.04		65712-1.RAW	15:32:55	23.51	Sample	OK	1
1611149-01	A8	10	13.57	14.52		65713-1.RAW	15:37:03	336.11	Sample	OK	1
1611151-01	A9	10	13.57	43.36		65714-1.RAW	15:41:12	976.96	Sample	OK	1
F611342-DUP1	A10	1	13.57	1.63		65715-1.RAW	15:45:20	374.98	Sample	OK	1
F611342-MS1	A11	1	13.57	23.97	912.69	65716-1.RAW	15:49:28	5339.94	Sample	OK	1
F611342-MSD1	A12	1	13.57	23.92		65717-1.RAW	15:53:37	5327.39	Sample	OK	1
F611342-MS2	A13	1	13.57	6.67	25.74	65718-1.RAW	15:57:45	1495.83	Sample	OK	1
F611342-MSD2	A14	1	13.57	6.69		65719-1.RAW	16:01:54	1500.17	Sample	OK	1
F611341-BLK1	A15	1	13.57	0.13		65720-1.RAW	16:06:02	43.40	Sample	OK	1
F611341-BLK2	A16	1	13.57	0.10		65721-1.RAW	16:10:11	36.50	Sample	OK	1
SEQ-CCV6	A17	1	13.57	4.76	95.12	65722-1.RAW	16:14:19	1070.21	Sample	OK	1
SEQ-CCB6	A18	1	13.57	0.08	0.00	65723-1.RAW	16:18:27	32.02	Sample	OK	1
F611341-BLK3	A19	1	13.57	0.03		65724-1.RAW	16:22:36	20.84	Sample	OK	1
F611341-BS1	A20	1	13.57	15.43		65725-1.RAW	16:26:44	3442.01	Sample	OK	1
F611341-BSD1	A21	1	13.57	14.89		65726-1.RAW	16:30:53	3322.17	Sample	OK	1
F611341-BS2	B1	1	13.57	15.27		65727-1.RAW	16:35:01	3406.79	Sample	OK	1
F611341-BSD2	B2	1	13.57	15.47		65728-1.RAW	16:39:10	3449.69	Sample	OK	1

SEQ-LCV1	B3	1	13.57	0.71		65729-1.RAW	16:43:18	172.35	Sample	OK	1
SEQ-LCV2	B4	1	13.57	0.38		65730-1.RAW	16:47:26	97.53	Sample	OK	1
1610565-05	B5	1	13.57	0.27		65731-1.RAW	16:51:35	74.06	Sample	OK	1
1610565-06	B6	1	13.57	0.28		65732-1.RAW	16:55:43	74.92	Sample	OK	1
1610565-07	B7	1	13.57	0.27		65733-1.RAW	16:59:51	72.88	Sample	OK	1
SEQ-CCV7	B8	1	13.57	4.59	91.76	65734-1.RAW	17:04:00	1032.87	Sample	OK	1
SEQ-CCB7	B9	1	13.57	0.08	0.00	65735-1.RAW	17:08:08	32.33	Sample	OK	1
1610565-08	B10	1	13.57	0.24		65736-1.RAW	17:12:17	67.21	Sample	OK	1
1610565-09	B11	1	13.57	0.24		65737-1.RAW	17:16:25	66.57	Sample	OK	1
1610565-10	B12	1	13.57	0.25		65738-1.RAW	17:20:34	69.18	Sample	OK	1
1610565-11	B13	1	13.57	0.13		65739-1.RAW	17:24:42	41.61	Sample	OK	1
F611341-DUP1	B14	1	13.57	0.22		65740-1.RAW	17:28:50	62.12	Sample	OK	1
F611341-MS1	B15	1	13.57	2.66	218.28	65741-1.RAW	17:33:00	604.52	Sample	OK	1
F611341-MSD1	B16	1	13.57	2.72		65742-1.RAW	17:37:08	618.38	Sample	OK	1
SEQ-CCV8	B17	1	13.57	4.46	89.17	65743-1.RAW	17:41:17	1004.14	Sample	OK	1
SEQ-CCB8	B18	1	13.57	0.07	0.00	65744-1.RAW	17:45:25	29.42	Sample	OK	1

ANALYSIS SEQUENCE

6K14016

Instrument: Hg2600-2

Calibration ID: UNASSIGNED

Analyzed: 11/14/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K14016-IBL1	QC	1			
6K14016-IBL2	QC	2			
6K14016-IBL3	QC	3			
6K14016-CAL1	QC	4	1605412		
6K14016-CAL2	QC	5	1605413		
6K14016-CAL3	QC	6	1605414		
6K14016-CAL4	QC	7	1605415		
6K14016-CAL5	QC	8	1605416		
6K14016-ICV1	QC	9	1605791		
F611343-BLK1	QC	10			
F611343-BLK2	QC	11			
F611343-BLK3	QC	12			
F611343-BS1	QC	13			
F611343-BSD1	QC	14			
1610860-01	Hg-CVAFS-W-1631	15			Scan all data - Level IV
1610860-02	Hg-CVAFS-W-1631	16			Scan all data - Level IV
1610860-03	Hg-CVAFS-W-1631	17			Scan all data - Level IV
1610860-04	Hg-CVAFS-W-1631	18			Scan all data - Level IV
1610860-05	Hg-CVAFS-W-1631	19			Scan all data - Level IV
6K14016-CCV1	QC	20	1605791		
6K14016-CCB1	QC	21			
1610860-06	Hg-CVAFS-W-1631	22			Scan all data - Level IV
1610860-07	Hg-CVAFS-W-1631	23			Scan all data - Level IV
1610860-08	Hg-CVAFS-W-1631	24			Scan all data - Level IV
1610860-09	Hg-CVAFS-W-1631	25			Scan all data - Level IV
1610860-10	Hg-CVAFS-W-1631	26			Scan all data - Level IV
1610860-11	Hg-CVAFS-W-1631	27			Scan all data - Level IV
1610860-12	Hg-CVAFS-W-1631	28			Scan all data - Level IV
1610860-13	Hg-CVAFS-W-1631	29			Scan all data - Level IV
1610860-14	Hg-CVAFS-W-1631	30			Scan all data - Level IV
1610860-15	Hg-CVAFS-W-1631	31			Scan all data - Level IV
6K14016-CCV2	QC	32	1605791		
6K14016-CCB2	QC	33			
1610860-16	Hg-CVAFS-W-1631	34			Scan all data - Level IV
1610860-17	Hg-CVAFS-W-1631	35			Scan all data - Level IV

Due Date: 11/16/2016

ANALYSIS SEQUENCE

6K14016

Instrument: Hg2600-2

Calibration ID: UNASSIGNED

Analyzed: 11/14/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
1610860-18	Hg-CVAFS-W-1631	36			Scan all data - Level IV
F611343-DUP1	QC	37			
F611343-MS1	QC	38			
F611343-MSD1	QC	39			
F611343-MS2	QC	40			
F611343-MSD2	QC	41			
F611342-BLK1	QC	42			
F611342-BLK2	QC	43			
6K14016-CCV3	QC	44	1605791		
6K14016-CCB3	QC	45			
F611342-BLK3	QC	46			
F611342-BLK4	QC	47			
F611342-BS1	QC	48			
F611342-BSD1	QC	49			
1610566-13	Hg-CVAFS-W-1631	50			Scan all data for level IV report
1610566-14	Hg-CVAFS-W-1631	51			Scan all data for level IV report
1610566-15	Hg-CVAFS-W-1631	52			Scan all data for level IV report
1610566-16	Hg-CVAFS-W-1631	53			Scan all data for level IV report
1610566-18	Hg-CVAFS-W-1631	54			Scan all data for level IV report
1610609-01	Hg-CVAFS-W-1631	55			
6K14016-CCV4	QC	56	1605791		
6K14016-CCB4	QC	57			
1610609-02	Hg-CVAFS-W-1631	58			
1610609-03	Hg-CVAFS-W-1631	59			
1610609-04	Hg-CVAFS-W-1631	60			
1610609-05	Hg-CVAFS-W-1631	61			
1610609-06	Hg-CVAFS-W-1631	62			
1610609-07	Hg-CVAFS-W-1631	63			
1610609-08	Hg-CVAFS-W-1631	64			
1611118-02	Hg-CVAFS-W-1631	65			give data to PM for scanning
1611118-04	Hg-CVAFS-W-1631	66			give data to PM for scanning
1611118-06	Hg-CVAFS-W-1631	67			give data to PM for scanning
6K14016-CCV5	QC	68	1605791		
6K14016-CCB5	QC	69			
1611118-08	Hg-CVAFS-W-1631	70			give data to PM for scanning

Due Date: 11/16/2016

ANALYSIS SEQUENCE

6K14016

Instrument: Hg2600-2

Calibration ID: UNASSIGNED

Analyzed: 11/14/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
1611149-01	Hg-CVAFS-W-1631	71			
1611151-01	Hg-CVAFS-W-1631	72			
F611342-DUP1	QC	73			
F611342-MS1	QC	74			
F611342-MSD1	QC	75			
F611342-MS2	QC	76			
F611342-MSD2	QC	77			
6K14016-CCV6	QC	78	1605791		
6K14016-CCB6	QC	79			
6K14016-CCV7	QC	80	1605791		
6K14016-CCB7	QC	81			
6K14016-CCV8	QC	82	1605791		
6K14016-CCB8	QC	83			

Dan Moreen 11/14/16
Samples Loaded By Date

Dan Moreen 11/14/16
Data Processed By Date

Due Date: 11/16/2016

ANALYSIS SEQUENCE

6K14017

Instrument: Hg2600-2

Calibration ID: UNASSIGNED

Analyzed: 11/14/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K14017-IBL1	QC	1			
6K14017-IBL2	QC	2			
6K14017-IBL3	QC	3			
6K14017-CAL1	QC	4	1605412		
6K14017-CAL2	QC	5	1605413		
6K14017-CAL3	QC	6	1605414		
6K14017-CAL4	QC	7	1605415		
6K14017-CAL5	QC	8	1605416		
6K14017-ICV1	QC	9	1605791		
6K14017-CCV1	QC	10	1605791		
6K14017-CCB1	QC	11			
6K14017-CCV2	QC	12	1605791		
6K14017-CCB2	QC	13			
6K14017-CCV3	QC	14	1605791		
6K14017-CCB3	QC	15			
6K14017-CCV4	QC	16	1605791		
6K14017-CCB4	QC	17			
6K14017-CCV5	QC	18	1605791		
6K14017-CCB5	QC	19			
F611341-BLK1	QC	20			
F611341-BLK2	QC	21			
6K14017-CCV6	QC	22	1605791		
6K14017-CCB6	QC	23			
F611341-BLK3	QC	24			
F611341-BS1	QC	25			
F611341-BSD1	QC	26			
F611341-BS2	QC	27			
F611341-BSD2	QC	28			
6K14017-LCV1	QC	29	1605412		
6K14017-LCV2	QC	30	1606139		
1610565-05	Hg-CVAFS-W-1631-PRASA	31			
1610565-06	Hg-CVAFS-W-1631-PRASA	32			
1610565-07	Hg-CVAFS-W-1631-PRASA	33			
6K14017-CCV7	QC	34	1605791		
6K14017-CCB7	QC	35			

Due Date: 11/16/2016

ANALYSIS SEQUENCE

6K14017

Instrument: Hg2600-2

Calibration ID: UNASSIGNED

Analyzed: 11/14/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
1610565-08	Hg-CVAFS-W-1631-PRASA	36			
1610565-09	Hg-CVAFS-W-1631-PRASA	37			
1610565-10	Hg-CVAFS-W-1631-PRASA	38			
1610565-11	Hg-CVAFS-W-1631-PRASA	39			
F611341-DUP1	QC	40			
F611341-MS1	QC	41			
F611341-MSD1	QC	42			
6K14017-CCV8	QC	43	1605791		
6K14017-CCB8	QC	44			

Dan Maxam 11/14/16
Samples Loaded By Date

Dan Maxam 11/14/16
Data Processed By Date

Due Date: 11/16/2016

Failing Data Report - 6K14016

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier

Don Moran 11/14/16
Analyst Reviewed By Date

11/15/16
Peer Reviewed By Date

Failing Data Report - 6K14017

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier

Dan Moran 11/14/16
Analyst Reviewed By Date

11/5/16
Peer Reviewed By Date

PREPARATION BENCH SHEET

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611343-BLK1	Blank	100	101					
F611343-BLK2	Blank	100	101					
F611343-BLK3	Blank	100	101					
F611343-BS1	LCS	50	50.5	1604715	100			
F611343-BSD1	LCS Dup	50	50.5	1604715	100			
F611343-DUP1	Duplicate [1610860-09]	100	101					
F611343-MS1	Matrix Spike [1610860-02]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611343-MS2	Matrix Spike [1610860-01]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611343-MSD1	Matrix Spike Dup [1610860-02]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611343-MSD2	Matrix Spike Dup [1610860-01]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL

Standard ID(s):	Description:	Expiration:
1604715	Nist 1641D 200X	18-Aug-17 00:00
1605272	THg 10ng/mL Calibration Standard	10-Dec-16 00:00

Reagent ID(s):	Description:	Expiration:
1602941	25% Hydroxylamine-HCl working solution	03-Dec-16 00:00
1606163	0.2 N BRCL OCTOBER 2016	19-Apr-17 00:00
1606188	THg Dilute 1% BrCl	26-Mar-17 00:00
1606189	THg Washstation (0.5% BrCl)	03-Dec-16 00:00
1606531	3% SnCl2 THg reductant	29-Apr-17 00:00

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610860-01	WQ1b-c_102516_SW_10	100	101	QC	-	-	MS/MSD Scan all data - Level IV	
1610860-02	WQ1b-c_102516_SW_10 Dissolved	100	101	QC	-	-	MS/MSD Scan all data - Level IV	
1610860-03	WQ1b-c_102516_SW_10_DUP	100	101	-	-	-	Scan all data - Level IV	
1610860-04	WQ1b-c_102516_SW_10_DUP Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-05	ES15_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-06	ES15_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-07	WQ-FPT_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-08	WQ-FPT_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-09	WQ_ECH_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-10	WQ_ECH_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-11	WQ3-L_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-12	WQ3-L_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-13	WQ2-C_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-14	WQ2-C_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-15	OV-02_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	
1610860-16	OV-02_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	
1610860-17	EB_102616_SW_QC	100	101	-	-	-	Scan all data - Level IV	
1610860-18	EB_102616_SW_QC Dissolved	100	101	-	-	-	Scan all data - Level IV	

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

[redacted]

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611342-BLK1	Blank	100	101					SOURCE 1610566-17
F611342-BLK2	Blank	100	101					SOURCE 1610566-17
F611342-BLK3	Blank	100	101					SOURCE 1610566-17
F611342-BLK4	Blank	100	105					
F611342-BS1	LCS	50	50.5	1604715	100			
F611342-BSD1	LCS Dup	50	50.5	1604715	100			
F611342-DUP1	Duplicate [1610609-03]	100	101					
F611342-MS1	Matrix Spike [1610609-02]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611342-MS2	Matrix Spike [1610609-07]	49.50495	50	1605272	25			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611342-MSD1	Matrix Spike Dup [1610609-02]	49.50495	50	1605272	100			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611342-MSD2	Matrix Spike Dup [1610609-07]	49.50495	50	1605272	25			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL

Standard ID(s):	Description:	Expiration:
1604715	Nist 1641D 200X	18-Aug-17 00:00
1605272	THg 10ng/mL Calibration Standard	10-Dec-16 00:00
		10-Dec-16 00:00

Reagent ID(s):	Description:	Expiration:
1602941	25% Hydroxylamine-HCl working solution	03-Dec-16 00:00
1606163	0.2 N BRCL OCTOBER 2016	19-Apr-17 00:00
1606188	THg Dilute 1% BrCl	26-Mar-17 00:00
1606189	THg Washstation (0.5% BrCl)	03-Dec-16 00:00
1606531	3% SnCl2 THg reductant	29-Apr-17 00:00

D Date: 11/16/2016

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610566-13	GBPE-0024-07	100	101	-	-	-	Preservation Blank created Scan all data	
1610566-14	GBPE-0024-07 Dissolved	100	101	-	-	-	Preservation Blank created Scan all data	
1610566-15	GBPE-0024-08	100	101	-	-	-	Preservation Blank created Scan all data	
1610566-16	GBPE-0024-08 Dissolved	100	101	-	-	-	Preservation Blank created Scan all data	
1610566-18	Laboratory Filter Blank	100	101	-	-	-	Scan all data for level IV report	
1610609-01	P85262-1	100	101	-	-	-		
1610609-02	P85262-2	100	101	-	-	-		
1610609-03	P85262-3	100	101	-	-	-		
1610609-04	P85262-4	100	101	-	-	-		
1610609-05	P85262-5	100	101	-	-	-		
1610609-06	P85262-6	100	101	-	-	-		
1610609-07	P85262-7	100	101	-	-	-		
1610609-08	P85262-8	100	101	-	-	-		
1611118-02	B-161465 PLANT INFLUENT #16-16855	100	101	-	-	Scan Dat	give data to PM for scanning	
1611118-04	B-161094 PLANT EFFLUENT #16-16857	100	101	-	-	Scan Dat	give data to PM for scanning	
1611118-06	B-161473 EQUIP. BLANK #16-16859	100	101	-	-	Scan Dat	give data to PM for scanning	
1611118-08	B-158988 TRIP BLANK #16-16861	100	101	-	-	Scan Dat	give data to PM for scanning	
1610[illegible]49-01	802W-110116-01H	100	101	-	-	-		
1610[illegible]51-01	WTP-110116-01P	100	105	-	-	-		

D[illegible] Date: 11/16/2016

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

[redacted]

D Date: 11/16/2016

PREPARATION BENCH SHEET

F611341

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611341-BLK1	Blank	100	101					
F611341-BLK2	Blank	100	101					
F611341-BLK3	Blank	100	101					
F611341-BS1	LCS	50	50.5	1604715	100			
F611341-BS2	LCS	50	50.5	1604715	100			2% NACL
F611341-BSD1	LCS Dup	50	50.5	1604715	100			
F611341-BSD2	LCS Dup	50	50.5	1604715	100			2% NACL
F611341-DUP1	Duplicate [1610565-05]	100	101					
F611341-MS1	Matrix Spike [1610565-05]	49.50495	50	1605271	125			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL
F611341-MSD1	Matrix Spike Dup [1610565-05]	49.50495	50	1605271	125			[Spk] 100mL->101mL; 101mL->101mL; Spiked 50mL

Standard ID(s):	Description:	Expiration:
1604715	Nist 1641D 200X	18-Aug-17 00:00
1605271	THg 1ng/mL Calibration Standard	10-Dec-16 00:00

Reagent ID(s):	Description:	Expiration:
1504687	Sodium Chloride, Biological Grade, Certified	23-Jul-18 00:00
1602941	25% Hydroxylamine-HCl working solution	03-Dec-16 00:00
1606163	0.2 N BRCL OCTOBER 2016	19-Apr-17 00:00
1606188	THg Dilute 1% BrCl	26-Mar-17 00:00
1606189	THg Washstation (0.5% BrCl)	03-Dec-16 00:00
1606531	3% SnCl2 THg reductant	29-Apr-17 00:00

D Date: 11/16/2016

PREPARATION BENCH SHEET

F611341

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610565-05	Q34079 A4-50	100	101	-	-	-		
1610565-06	Q34084 A4-90	100	101	-	-	-		
1610565-07	Q34090 A5-10	100	101	-	-	-		
1610565-08	Q34095FD3 A5-10	100	101	-	-	-		
1610565-09	Q34100 A5-50	100	101	-	-	-		
1610565-10	Q34105 A5-90	100	101	-	-	-		
1610565-11	Q34127EB2 FIELDQC	100	101	-	-	-		

[redacted]

D Date: 11/16/2016

PREPARATION BENCH SHEET

2600.2
11/14/16 DM

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611343-BLK1	Blank	100	101					1X
F611343-BLK2	Blank	100	101					1X
F611343-BLK3	Blank	100	101					1X
F611343-BS1	LCS	~~100~~ 50	~~101~~ 50.5	1604715	100			1X
F611343-BSD1	LCS Dup	~~100~~ 50	~~101~~ 50.5	1604715	100			1X
F611343-DUP1	Duplicate 1610860-09	~~100~~ 50	~~101~~ 50.5					1X
F611343-MS1	Matrix Spike [1610860-02]	100	101	1605272	100			1X
F611343-MS2	Matrix Spike [1610860-01]	100	101	1605272	100			1X
F611343-MSD1	Matrix Spike Dup [1610860-02]	100	101	1605272	100			1X
F611343-MSD2	Matrix Spike Dup [1610860-01]	100	101	1605272	100			1X

Standard ID(s): Description: Expiration:

1606163
1602941
~~1605636~~
~~1605635~~ DM 11/14/16
1606531
1606188
1606189

D Date: 11/18/2016

2600.2

11/14/16 DM

PREPARATION BENCH SHEET

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610860-01	WQ1b-c_102516_SW_10	100	101	QC	-	-	MS/MSD Scan all data - Level IV	1X
1610860-02	WQ1b-c_102516_SW_10 Dissolved	100	101	QC	-	-	MS/MSD Scan all data - Level IV	1X
1610860-03	WQ1b-c_102516_SW_10_DUP	100	101	-	-	-	Scan all data - Level IV	1X
1610860-04	WQ1b-c_102516_SW_10_DUP Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-05	ES15_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-06	ES15_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-07	WQ-FPT_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-08	WQ-FPT_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-09	WQ_ECH_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-10	WQ_ECH_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-11	WQ3-L_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-12	WQ3-L_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-13	WQ2-C_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-14	WQ2-C_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-15	OV-02_102616_SW_10	100	101	-	-	-	Scan all data - Level IV	1X
1610860-16	OV-02_102616_SW_10 Dissolved	100	101	-	-	-	Scan all data - Level IV	1X
1610860-17	EB_102616_SW_QC	100	101	-	-	-	Scan all data - Level IV	1X
1610860-18	EB_102616_SW_QC Dissolved	100	101	-	-	-	Scan all data - Level IV	1X

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611343

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

[redacted]

D Date: 11/18/2016

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: CSR Date: 10/29/16 Time Completed: 1515

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: 1610819, 1610862 1610861; 1610860

BrCl LIMS ID: 1606163

Pipette SN: MM32229

Cal. Date: 10/28/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed)		
				Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1610819-08A	300	3.00	y			
1610819-09A	300	3.00	y			
1610862-10A	50	0.50	y			
1610862-11A	300	3.00	y			
1610861-01A	600	6.00	y			
1610861-02A	600	6.00	y			
1610861-03A	600	6.00	y			
1610861-04A	600	6.00	y			
1610861-05A	600	6.00	y			
1610861-06A	600	6.00	y			
1610861-07A	600	6.00	y			
1610861-08A	600	6.00	y			
1610861-09A	600	6.00	y			
1610861-10A	600	6.00	y			
1610861-11A	600	6.00	y			
1610861-12A	600	6.00 +6.00	y			
1610861-13A	600	6.00 +24.00	y			
1610861-13C	600	6.00 +24.00	y			
1610861-14A	600	6.00	y			
1610861-15A	600	6.00 +6.00	y			
1610861-16A	600	6.00	y			
1610860-01A	300	3.00	y			
1610860-01C	300	3.00	y			
1610860-01E	300	3.00	y			
1610860-02A	300	3.00	y			
1610860-02C	300	3.00	y			

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: _____

11/1/16 DM

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: CSP Date: 10/29/16 Time Completed: 1535

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: 1610860

BrCl LIMS ID: 1606163

Pipette SN: MU32229

Cal. Date: 10/28/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1610860-02E	300	3.00	y			
1610860-03A	300	3.00	y			
1610860-04A	300	3.00	y			
1610860-05A	300	3.00	y			
1610860-06A	300	3.00	y			
1610860-07A	300	3.00	y			
1610860-08A	300	3.00	y			
1610860-09A	300	3.00	y			
1610860-10A	300	3.00	y			
1610860-11A	300	3.00	y			
1610860-12A	300	3.00	y			
1610860-13A	300	3.00	y			
1610860-14A	300	3.00	y			
1610860-15A	300	3.00	y			
1610860-16A	300	3.00	y			
1610860-17A	300	3.00	y			
1610860-18A	300	3.00	y			
		CSP 10/29/16				

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: _____

Reviewed

2600.2

11/14/16 DM

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611342-BLK1	Blank	100	101					Source 1610566-17 1X
F611342-BLK2	Blank	100	101					" " 1X
F611342-BLK3	Blank	100	101					" " 1X
F611342-BS1	LCS	~~100~~ 50	~~101~~ 50.5	IC04715	100			1X
F611342-BSD1	LCS Dup	~~100~~ 50	~~101~~ 50.5	IC04715	100			1X
F611342-DUP1	Duplicate 1610609-03	100	101					1X
F611342-MS1	Matrix Spike 1610609-02	100	101	IC05272	100			1X
F611342-MS2	Matrix Spike 1610609-07	100	101	IC05272	25			1X
F611342-MSD1	Matrix Spike Dup 1610609-02	100	101	IC05272	100			1X
F611342-MSD2	Matrix Spike Dup 1610609-07	100	101	IC05272	25			1X

Standard ID(s): Description: Expiration:

IC0C163
IC02941
IC0C531
IC0C188
IC0C189

BLK 4 Final 105

D Date: 11/16/2016

2600.2
11/14/16 DM

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610566-13	GBPE-0024-07	100	101	-	-	-	Preservation Blank created Scan all data	1X
1610566-14	GBPE-0024-07 Dissolved	100	101	-	-	-	Preservation Blank created Scan all data	1X
1610566-15	GBPE-0024-08	100	101	-	-	-	Preservation Blank created Scan all data	1X
1610566-16	GBPE-0024-08 Dissolved	100	101	-	-	-	Preservation Blank created Scan all data	1X
1610566-18	Laboratory Filter Blank	100	101	-	-	-	Scan all data for level IV report	1X
1610609-01	P85262-1	100	101	-	-	-		1X
1610609-02	P85262-2	100	101	-	-	-		1X
1610609-03	P85262-3	100	101	-	-	-		1X
1610609-04	P85262-4	100	101	-	-	-		1X
1610609-05	P85262-5	100	101	-	-	-		1X
1610609-06	P85262-6	100	101	-	-	-		1X
1610609-07	P85262-7	100	101	-	-	-		1X
1610609-08	P85262-8	100	101	-	-	-		1X
1611118-02	B-161465 PLANT INFLUENT #16-16855	100	101	-	-	Scan Dat	give data to PM for scanning	1X
1611118-04	B-161094 PLANT EFFLUENT #16-16857	100	101	-	-	Scan Dat	give data to PM for scanning	1X
1611118-06	B-161473 EQUIP. BLANK #16-16859	100	101	-	-	Scan Dat	give data to PM for scanning	1X
1611118-08	B-158988 TRIP BLANK #16-16861	100	101	-	-	Scan Dat	give data to PM for scanning	1X
1610609-01	802W-110116-01H	100	101	-	-	-		10X
1610609-01	WTP-110116-01P	100	105	-	-	-		10X

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D Date: 11/16/2016

PREPARATION BENCH SHEET

F611342

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** **Prepared: 11/14/2016**

[redacted]

D Date: 11/16/2016

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: AMW Date: 11/3/16 Time Completed: 1700

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: 1611118 1611120 1611029

BrCl LIMS ID: 160663

Pipette SN: MU32229

Cal. Date: 11/2/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1611118-02A	300	3.00	N			
1611118-04A	300	3.00	Y			
1611118-06A	300	3.00	Y			
1611118-08A	300	3.00	Y			
1611120-01A	580	5.80	Y			
1611120-02A	125	1.25	Y			
1611029-01A	300	3.00	Y			

AMW 11/5/16

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: _____

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: AMW Date: 10/20/16 Time Completed: 1635

Additional preservation and/or verification (as needed)

Technician: ________ Date: ________ Time Completed: ________

Technician: ________ Date: ________ Time Completed: ________

Work Orders: 1610609
1610606

BrCl LIMS ID: 1605634

Pipette SN: MU32229

Cal. Date: 10/9/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1610609-01B	300	3.00	Y			
1610609-02B	300	3.00	Y			
1610609-03B	300	3.00	Y			
1610609-04B	300	3.00	Y			
1610609-05B	300	3.00	Y			
1610609-06B	300	3.00	Y			
1610609-07B	300	3.00	Y			
1610609-08B	300	3.00	Y			
~~1610609-09B~~		AMW 10/20/16				
1610606-02A	600	6.00	Y			
1610606-04A	600	6.00	Y			
1610606-06A	600	6.00	Y			
1610606-08A	300	3.00	Y			

AMW 10/20/16

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments:

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: CSP Date: 10/19/16 Time Completed: 1832

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: ~~1610511~~ CSP 10/19/16
1610551, 1610566

BrCl LIMS ID: 1605634

Pipette SN: MU32229

Cal. Date: 10/19/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1610551-01A	300	3.00	y			
1610551-02A	300	3.00	y			
1610551-03A	300	3.00	y			
1610551-04A	300	3.00	y			
1610551-05B	20	20	y			
1610551-~~06~~ 08A CSP 10/19/16	300	3.00	y			
1610566-01B	600	6.00	y			
1610566-03B	600	6.00	y			
1610566-05B	600	6.00	y			
1610566-07B	600	6.00	y			
1610566-09B	600	6.00	y			
1610566-11B	600	6.00	y			
1610566-13B	600	6.00	y			
1610566-15B	600	6.00	y			
1610566-02B	600	6.00	y			
1610566-04B	600	6.00	y			
1610566-06B	600	6.00	y			
1610566-08B	600	6.00	y			
1610566-10B	600	6.00	y			
1610566-12B	600	6.00	y			
1610566-14B	600	6.00	y			
1610566-16B	600	6.00	y			
1610566-17A	600	6.00	y			
1610566-18A	300	3.00	y			
	CSP	10/19/16				

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: _____

Reviewed

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: LM Date: 11/4/16 Time Completed: 17:20

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: 161148
~~161144~~ 161150, 161151

BrCl LIMS ID: LM 11/4/16 ~~AA~~ 1606163

Pipette SN: MV2229

Cal. Date: 11/2/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
* 161148-15A	3.00	3.00	Y			
* 161151-07A	3.00	3.00	Y			
• 161151-02A	1.25	1.25	Y			
161151-02B	1.25	1.25	Y			
161149-01A	5.00	5.00	Y			
~~161144~~		LM 11/4/16				
161151-01A	5.00	5.00	N	N	20.00	

LM 11/4/16

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: * 161148-15A and 161151-07A are preservative blanks in same bottle

• 161151-02A and 161148-14A are trip blanks in same jar

PREPARATION BENCH SHEET

2600.2

11/14/16 DM

F611341

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: AFS - EPA 1631E BrCl Oxidation** PRA5A **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611341-BLK1	Blank	100	101					1X
F611341-BLK2	Blank	100	101					1X
F611341-BLK3	Blank	100	101					1X
F611341-BS1	LCS	~~100~~ 50	~~101~~ 50.5	1604715	100			1X
F611341-BS2	LCS	~~100~~ 50	~~101~~ 50.5	1604715	100			2% NaCl 1X
F611341-BSD1	LCS Dup	~~100~~ 50	~~101~~ 50.5	1604715	100			1X
F611341-BSD2	LCS Dup	~~100~~ 50	~~101~~ 50.5	1604715	100			2% NaCl 1X
F611341-DUP1	Duplicate K1056505	100	101					1X
F611341-MS1	Matrix Spike 1610565.05	100	101	1605271	125			1X
F611341-MSD1	Matrix Spike Dup 1610565.05	100	101	1605271	125			1X

Standard ID(s): Description: Expiration:

LCV1 - CAL 1

LCV2 - ½ CAL 1

1504657

1604163

1602941

1604591

1606188

1606189

Page 68 of 290

Date: 11/16/2016

PREPARATION BENCH SHEET

200.2
11/14/16 DM

F611341

Eurofins Frontier Global Sciences, Inc.

Matrix: Water

Prepared using: AFS - EPA 1631E BrCl Oxidation

PRASA

Prepared: 11/14/2016

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610565-05	Q34079 A4-50	100	101	-	-	-		1X
1610565-06	Q34084 A4-90	100	101	-	-	-		1X
1610565-07	Q34090 A5-10	100	101	-	-	-		1X
1610565-08	Q34095FD3 A5-10	100	101	-	-	-		1X
1610565-09	Q34100 A5-50	100	101	-	-	-		1X
1610565-10	Q34105 A5-90	100	101	-	-	-		1X
1610565-11	Q34127EB2 FIELDQC	100	101	-	-	-		1X

[redacted]

D Date: 11/16/2016

Total Mercury Preservation Logbook

Initial preservation and/or verification

Technician: AMW Date: 10/20/16 Time Completed: 17:07

Additional preservation and/or verification (as needed)

Technician: _____ Date: _____ Time Completed: _____

Technician: _____ Date: _____ Time Completed: _____

Work Orders: 1610565

BrCl LIMS ID: 1605634

Pipette SN: M U32229

Cal. Date: 10/19/16

Sample ID	Sample Volume (mL)	Reagent added (mL)	Oxidized? Y / N	Additional preservation (as needed) Oxidized? Y / N	Reagent added (mL)	Oxidized? Y / N
1610565-01A	300	3.00	Y			
1610565-02A	300	3.00	Y			
1610565-03A	300	3.00	Y			
1610565-04A	300	3.00	Y			
1610565-05A	300	3.00	Y			
1610565-06A	300	3.00	Y			
1610565-07A	300	3.00	Y			
1610565-08A	300	3.00	Y			
1610565-09A	300	3.00	Y			
1610565-10A	300	3.00	Y			
1610565-11A	300	3.00	Y			

AMW 10/20/16

Oxidation with BrCl is confirmed by a yellow color change of the sample and/or a purple color change in KI starch paper.

Comments: _____

Reviewed

Peer Review Check List for THg by 2600 CV-AFS (SOP2822) 2016 Rev 1 (04/1/2016)

Analyst:	DON MORAN	**Sequence(s) #:**	6K14016, 6K14017
Reviewer:	11/15/16	**Dataset ID(s):**	THG26002-161114-1
Date:	11/14/2016	**WO (s) #:**	VARIOUS
Batch #(s):	F611343, F611342, F611341		

• **Select the correct preparation method.**

	Analyte	Prep Method		Matrix
☐	THg	EFAFS-T-AFS-SOP2985	FSTM Trap 70:30 Digest	Air/Gas
☐	THg	EFAFS-T-AFS-SOP2807	Modified Cold Aqua Regia	Sed/Soil
☐	THg	EFAFS-T-AFS-SOP2821	Shared Bomb-HF/HNO3/HCl Digest	Sed/Soil
☐	THg	EFTM-T-TM-SOP2825	Nitric Acid Oven Bomb	Sed/Soil
☐	THg	EFAFS-T-AFS-SOP2795	70:30 Digest	Tissue
☐	THg	EFAFS-T-AFS-SOP2800	KCl Trap BrCl Oxidation	Air/Gas
☐	THg	EFTM-T-TM-SOP2837	Shared Nitric	Tissue
☑	THg	EFSR-P-SP-SOP2796	BrCl Oxidation	Water
☐	Hg0	NA	NA	Water
☐	Inorg Hg	NA	NA	Water

	Analyst Initials: DM		**Reviewer Initials** BC		
1.	Compare SampleID with Benchsheet/Sequence/Raw Data (Have all samples been imported?)	☑ YES	☐ NO		☑
2.	Check for transcription errors from Excel spreadsheet (or Prep Benchsheet)/Raw data	☑ YES	☐ NO		☑
	(a) On raw data (instrument print-out), does correct file (dataset ID#) name appear in description?	☑ YES	☐ NO		☑
	Naming convention: THg26001-yymmdd-1 or THg26002-yymmdd-1				
	(b) Check 5% of transcription from Instrument print-out and Excel file	☑ YES	☐ NO		☑
	Compare the "Dilute" and "Peak (raw)" columns to "Dilution" and "Uncorrected Result" in Excel				
	(c) Check standards & reagents in sequence & bench sheet for correct usage (expiries).	☑ YES	☐ NO	☐ N/A	☑
	(d) Check and compare masses (review prep benchsheet)	☐ YES	☐ NO	☑ N/A	☑
	(e) Check & compare initial & final volumes	☑ YES	☐ NO	☐ N/A	☑
	(f) Do aliquots and dilutions written on benchsheet match those in Excel?	☑ YES	☐ NO	☐ N/A	☑
	50 ml / aliquot = Excel dilution value				
	(g) Is the sequence #, analyst, date, and instrument # on the QC page?	☑ YES	☐ NO		☑
	(h) Is the analysis status correct? (analyzed/initial review/reviewed)	☑ YES	☐ NO		☑
	(i) Original prep bench sheet added to data package?	☑ YES	☐ NO		☑
	(j) Benchsheet prep date MUST match actual prep date (check if re-shot vs re-extract)	☑ YES	☐ NO		☑
3.	High QA? WO#(s)/Client(s):	☐ YES	☑ NO		☑
4.	Client specific QC? (if Yes, refer to Project Notes/LIMS)	☑ YES	☐ NO		☑
	(a) Have the QC requirements been met for all WO#s?	☑ YES	☐ NO		
	(b) Prep blanks corrections/assigned properly	☑ YES	☐ NO		☐
5a.	20 or fewer samples in batch?	☑ YES	☐ NO		☑
	(i) 3 PBs, 1 LCS(or BS), 1 LCSD(or BSD), 1 DUP/Batch 1 MS/MSD (or AS/ASD)/10 samples?	☑ YES	☐ NO		☑
	(ii) 1 CCV and 1 CCB every 10 analytical runs?	☑ YES	☐ NO		☑

Peer Review Check List for THg by 2600 CV-AFS (SOP2822) 2016 Rev 1 (04/1/2016)

Analyst:	DON MORAN	**Sequence(s) #:**	6K14016, 6K14017
Reviewer:	0 11/15/16	**Dataset ID(s):**	THG26002-161114-1
Date:	11/14/2016	**WO (s) #:**	VARIOUS
Batch #(s):	F611343, F611342, F611341		0

Analyst Initials DM **Reviewer Initials** BC

5b. Has the B/C section data been uploaded?	☐ YES	☐ NO	☑ N/A	☑
QA/QC Data Checked				
6. RSD CF (≤ 15%)	☑ PASS	☐ FAIL		☑
Comments:				
7. The calibration curve included a minimum of 5 Standards	☑ YES	☐ NO		☑
Comments:				
8. 1st Calibration Standard % Recoveries EPA 1631E (75-125%)	☑ PASS	☐ FAIL		☑
9. ICV and CCV % Recoveries EPA 1631E (77-123%)	☑ PASS	☐ FAIL		☑
Comments:				
10. Do all calibration points pass acceptance criteria?	☑ YES	☐ NO		☑
Comments:				
11.Are qualifiers consistant with the data review flowcharts?	☑ YES	☐ NO	☐ N/A	☑
Comments:				
12. Explain any items on the failed data report from Element				☑
Comments: ***NONE***				
13. Are the individual Preparation Blanks < PQL or <2.2xMDL for WI (refer to appropriate prep method PQL list)	☑ PASS	☐ FAIL		☑
(a) If not < PQL or <2.2xMDL for WI, note which PB(s) are above control limit:				
(b) Is the mean PB < PQL or <2.2xMDL for WI (for appropriate qualification)?	☑ YES	☐ NO		☑
(c) Was a BrCl Blank analyzed for each preservation level?	☑ YES	☐ NO	☐ N/A	☑
(d) Are Preparation Blanks summarized on QC page?	☑ YES	☐ NO		☐
14. Filtration Blank Prepared (if yes, use FB qualifier)	☑ YES	☐ NO		☑
(a) Filtration Blank prep date same as associated samples' prep date	☑ YES	☐ NO	☐ N/A	☑
(b) Filtration Blank absolute value < PQL or <2.2xMDL for WI	☑ YES	☐ NO	☐ N/A	☑
15. IBLs (3 minimum) individually < 0.50 ng/L, mean < 0.25 ng/L and STD of 0.10 ng/L?	☑ PASS	☐ FAIL		☑
Comments:				
16. CCBs individually < 0.50 ng/L or 2.2 x MDL for WI?	☑ PASS	☐ FAIL		☑
Comments:				
17. Have Total Solids been applied? (If NO, please ensure that they are done or nearly done)	☐ YES	☐ NO	☑ N/A	☑
18. Is the correct 'Source' designated for MD/MS/MSD?	☑ YES	☐ NO		☑
19. For digested preps: was there a spike witness signature & date on the prep bench sheet?	☐ YES	☐ NO	☑ N/A	☐

Peer Review Check List for THg by 2600 CV-AFS (SOP2822) 2016 Rev 1 (04/1/2016)

Analyst:	DON MORAN	**Sequence(s) #:**	6K14016, 6K14017
Reviewer:	0 Bruce Chin 11/15/16	**Dataset ID(s):**	THG26002-161114-1
Date:	11/14/2016	**WO (s) #:**	VARIOUS
Batch #(s):	F611343, F611342, F611341		0

Analyst Initials DM **Reviewer Initials** BC

20. MS/MSD Spiked at least 1-5 X ambient or 5x MRL (whichever is higher) ?	☑ YES	☐ NO		☑
Comments:				
21. Are all samples within instrument calibration range? (or at minimum dilution size)	☑ PASS	☐ FAIL		☑
Comments:				
22. Are the samples run at the correct dilution level for the method?	☑ YES	☐ NO		✓
Comments:				
23. Dissolved < Total (if applicable)	☑ YES	☐ NO	☐ N/A	☑
Comments:				
24. Effluent < Influent (visually confirm if needed)	☑ YES	☐ NO	☐ N/A	☑
Comments:				
25. Are re-runs noted with reason?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
26. FSTM Datasets: Check to ensure the 'Response' & 'Initial Result' columns match in both the Excel dataset & LIMS for the FSTM A (in sequence) & B/C (in batch) traps?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
27. Is the B trap <5% A Traps	☐ YES	☐ NO	☑ N/A	☑
Comments:				
28. Are spiked trap recoveries75-125% of true value?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
29.Have non-reportable samples been imported into LIMS and clicked to non-reportable?	☐ YES	☐ NO	☑ N/A	
Comments:				
30. Have re-extracts been created for non-reportable samples?	☐ YES	☐ NO	☑ N/A	☑
31. Are there any HIGH QA projects within the data? If so, place data package in QA office before scanning.	☐ YES	☐ NO	☑ N/A	☑
32. Does the data set need scanning?	☑ YES		☐ N/A	☑
33. Does the dataset have an LOQ/LOQ or DOC?	☐ YES		☑ N/A	☑
34. Water samples: has the preservation log been included in dataset for final volume verification?	☑ YES	☐ NO	☐ N/A	☑
35. Water samples-is the final volume correct in the sequence?	☑ YES	☐ NO	☐ N/A	☑

Files located at: \\Cuprum\gen_admin\Quality Assurance\Training Master\DOCs

36. Date of analyst IDOC/CDOC:	1/18/2016	IDOC/CDOC within last 12 months?	☑ YES	☐ NO	☑
37. Date of analyst's SOP reading for method:	5/20/2016	Current SOP revision read?	☑ YES	☐ NO	☑
38. Date of LOD:	6/15/2016	LOD within last 3 months?	☑ YES	☐ NO	☑
39. Date of LOQ:	6/15/2016	LOQ within last 3 months?	☑ YES	☐ NO	☑

Data can not be reported without a current IDOC/CDOC, LOD or LOQ.

Peer Review Check List for THg by 2600 CV-AFS (SOP2822) 2016 Rev 1 (04/1/2016)

Analyst:	DON MORAN	**Sequence(s) #:**	6K14016, 6K14017
Reviewer:	0 11/15/16	**Dataset ID(s):**	THG26002-161114-1
Date:	11/14/2016	**WO (s) #:**	VARIOUS
Batch #(s):	F611343, F611342, F611341		0

DM BC

40. Peer Reviewer's comments (use Peer Review Checklist Additional Comments form if necessary):

Additional Page (s)? ☐ YES

eurofins

Frontier Global Sciences

Analysis Datasheet for Methyl Mercury in Waters

Date of Analysis: November 16, 2016
Instrument #: Hg2700-1
LIMS Sequence #: 6K17015

Analyst: RN
Units ng/L

Calibration Statistics:

LabNumber	n	True Val	Area	Uncorrected Response Factor	Corrected Peak Height	Corrected Response Factor	% Recovery
SEQ-CAL1	1	0.05 ng/L	25.03 units	500.68	25.03 units	500.68	104.2 %Rec
SEQ-CAL2	1	0.20 ng/L	96.58 units	482.89	96.58 units	482.89	100.5 %Rec
SEQ-CAL3	1	1.00 ng/L	468.92 units	468.92	468.92 units	468.92	97.6 %Rec
SEQ-CAL4	1	2.00 ng/L	870.94 units	435.47	870.94 units	435.47	90.7 %Rec
SEQ-CAL5	1	4.00 ng/L	2053.72 units	513.43	2053.72 units	513.43	106.9 %Rec
SEQ-CAL6	0						
SEQ-CAL7	0						
SEQ-CAL8	0						
SEQ-CAL9	0						

Corr. Mean RF	Corr. St Dev RF	Corr. RSD CF	Uncorr. Mean RF	Eff Factor
480.28	+/- 30.24	6.3% RSD	480.28	**0.8046**

MDN Only	
SEQ-CAL1	
SEQ-CAL2	
SEQ-CAL3	
SEQ-CAL4	
SEQ-CAL5	
SEQ-CAL6	NA
SEQ-CAL7	NA
SEQ-CAL8	NA
SEQ-CAL9	NA
SEQ-ICV/CCV	
Acetate Buffer	
Ethylating Agent	

Blanks:

LabNumber	n	Mean	Std Dev	Mean (ng/L)	Std Dev (ng/L)
SEQ-IBL	1	0.00 units		0.00 ng/L	#VALUE!

Preparation Blanks

Sample Type	Batch ID	n	Mean	Std Dev
BLK	1	3	0.015 ng/L	±0.005
BLK	2	0	0.000 ng/L	
BLK	3	0	0.000 ng/L	
BLK	4	0	0.000 ng/L	
BLK	5	0	0.000 ng/L	

QUALITY ASSURANCE
PEER - REVIEWED
INITIALS: DMW 11·17·16

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	Run End	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2700-1	RN	CAL	SEQ-IBL1	1	11/16/16 7:08	17940-1.RAW	7:08	0.00			0.0	0.000	0.000	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL1	1	11/16/16 7:18	17941-1.RAW	7:18	25.03			25.0	0.052	0.052	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL2	1	11/16/16 7:29	17942-1.RAW	7:29	96.58			96.6	0.201	0.201	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL3	1	11/16/16 7:39	17943-1.RAW	7:39	468.92			468.9	0.976	0.976	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL4	1	11/16/16 7:50	17944-1.RAW	7:50	870.94			870.9	1.813	1.813	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL5	1	11/16/16 8:00	17945-1.RAW	8:00	2053.72			2053.7	4.276	4.276	ng/L	
Hg2700-1	RN	CAL	SEQ-ICV1	1	11/16/16 8:11	17946-1.RAW	8:11	254.69			254.7	0.530	0.530	ng/L	
Hg2700-1	RN	CAL	SEQ-ICB1	1	11/16/16 8:21	17947-1.RAW	8:21	4.96			5.0	0.010	0.010	ng/L	
Hg2700-1	RN	BLK	F611346-BLK1	1.25	11/16/16 8:32	17948-1.RAW	8:32	6.19	1		6.2	0.016	0.020	ng/L	
Hg2700-1	RN	BLK	F611346-BLK2	1.25	11/16/16 8:42	17949-1.RAW	8:42	4.44	1		4.4	0.011	0.014	ng/L	
Hg2700-1	RN	BLK	F611346-BLK3	1.25	11/16/16 8:53	17950-1.RAW	8:53	3.33	1		3.3	0.009	0.011	ng/L	
Hg2700-1	RN	SAM	F611346-BS1	1.25	11/16/16 9:03	17951-1.RAW	9:03	427.86	1		427.9	1.095	1.369	ng/L	
Hg2700-1	RN	SAM	F611346-BSD1	1.25	11/16/16 9:14	17952-1.RAW	9:14	443.69	1		443.7	1.136	1.420	ng/L	
Hg2700-1	RN	SAM	F611346-DUP1	1.25	11/16/16 9:24	17953-1.RAW	9:24	46.99	1		47.0	0.110	0.137	ng/L	
Hg2700-1	RN	SAM	F611346-MS1	1.25	11/16/16 9:35	17954-1.RAW	9:35	502.54	1		502.5	1.288	1.611	ng/L	
Hg2700-1	RN	SAM	F611346-MSD1	1.25	11/16/16 9:45	17955-1.RAW	9:45	482.91	1		482.9	1.238	1.547	ng/L	
Hg2700-1	RN	SAM	F611346-MS2	1.25	11/16/16 9:56	17956-1.RAW	9:56	467.59	1		467.6	1.198	1.497	ng/L	
Hg2700-1	RN	SAM	F611346-MSD2	1.25	11/16/16 10:06	17957-1.RAW	10:06	532.55	1		532.6	1.366	1.708	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV1	1	11/16/16 10:17	17958-1.RAW	10:17	274.14			274.1	0.571	0.571	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB1	1	11/16/16 10:27	17959-1.RAW	10:27	5.71			5.7	0.012	0.012	ng/L	
Hg2700-1	RN	SAM	1610567-08	1.25	11/16/16 10:38	17960-1.RAW	10:38	4.86	1		4.9	0.001	0.001	ng/L	
Hg2700-1	RN	SAM	1610609-04	1.25	11/16/16 10:48	17961-1.RAW	10:48	57.34	1		57.3	0.136	0.170	ng/L	
Hg2700-1	RN	SAM	1610609-05	1.25	11/16/16 10:59	17962-1.RAW	10:59	23.19	1		23.2	0.048	0.060	ng/L	
Hg2700-1	RN	SAM	1610609-06	1.25	11/16/16 11:10	17963-1.RAW	11:10	25.55	1		25.6	0.054	0.068	ng/L	
Hg2700-1	RN	SAM	1610609-07	1.25	11/16/16 11:20	17964-1.RAW	11:20	27.46	1		27.5	0.059	0.074	ng/L	
Hg2700-1	RN	SAM	1610609-08	1.25	11/16/16 11:31	17965-1.RAW	11:31	4.18	1		4.2	-0.001	-0.002	ng/L	
Hg2700-1	RN	SAM	1610610-05	1.25	11/16/16 11:41	17966-1.RAW	11:41	30.96	1		31.0	0.068	0.085	ng/L	
Hg2700-1	RN	SAM	1610617-05	1.25	11/16/16 11:52	17967-1.RAW	11:52	3.95	1		3.9	-0.002	-0.002	ng/L	
Hg2700-1	RN	SAM	1610618-11	1.25	11/16/16 12:02	17968-1.RAW	12:02	72.15	1		72.1	0.175	0.218	ng/L	
Hg2700-1	RN	SAM	1610860-01	1.25	11/16/16 12:13	17969-1.RAW	12:13	46.25	1		46.2	0.108	0.135	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV2	1	11/16/16 12:23	17970-1.RAW	12:23	300.09			300.1	0.625	0.625	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB2	1	11/16/16 12:34	17971-1.RAW	12:34	4.55			4.6	0.009	0.009	ng/L	
Hg2700-1	RN	SAM	1610860-02	1.25	11/16/16 12:44	17972-1.RAW	12:44	41.66	1		41.7	0.096	0.120	ng/L	
Hg2700-1	RN	SAM	1610860-03	1.25	11/16/16 12:55	17973-1.RAW	12:55	59.42	1		59.4	0.142	0.177	ng/L	
Hg2700-1	RN	SAM	1610860-04	1.25	11/16/16 13:05	17974-1.RAW	13:05	38.58	1		38.6	0.088	0.110	ng/L	
Hg2700-1	RN	SAM	1610860-05	1.25	11/16/16 13:16	17975-1.RAW	13:16	20.24	1		20.2	0.040	0.050	ng/L	
Hg2700-1	RN	SAM	1610860-06	1.25	11/16/16 13:26	17976-1.RAW	13:26	11.40	1		11.4	0.017	0.022	ng/L	
Hg2700-1	RN	SAM	1610860-07	1.25	11/16/16 13:37	17977-1.RAW	13:37	10.16	1		10.2	0.014	0.018	ng/L	
Hg2700-1	RN	SAM	1610860-08	1.25	11/16/16 13:47	17978-1.RAW	13:47	10.46	1		10.5	0.015	0.019	ng/L	
Hg2700-1	RN	SAM	1610860-09	1.25	11/16/16 13:58	17979-1.RAW	13:58	52.05	1		52.1	0.123	0.153	ng/L	
Hg2700-1	RN	SAM	1610860-10	1.25	11/16/16 14:08	17980-1.RAW	14:08	21.49	1		21.5	0.044	0.054	ng/L	
Hg2700-1	RN	SAM	1610860-11	1.25	11/16/16 14:19	17981-1.RAW	14:19	43.87	1		43.9	0.101	0.127	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV3	1	11/16/16 14:29	17982-1.RAW	14:29	277.41			277.4	0.578	0.578	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB3	1	11/16/16 14:40	17983-1.RAW	14:40	1.74			1.7	0.004	0.004	ng/L	

MethylMercury
EPA1630

Operat RN **BlankSub:** **Calib Eqn:** **Run Date:** ####### **Blank SD:**
Worksl MMHg2: **CalibFactor:** **Status:** Calblank error: Zero Pez **Run Time:** 6:41:40 **Blank RSD%:**
Methoc 2010-01 **R:** **R²:** **CalibAnalyte:** **CF SD:**
Descrip MMHg27001-161116-1 **CF RSD%:**

Sample/ID	Location	Rinse	Dilute	Blank	ConcHg0(p	ConcMeHg(	ConcHg2(p	ConcPrHg(c	Rec%	QA	RawData	RunEnd	PeakHg0 (Rav	PeakMeHg (R	PeakHg2(Raw	PeakPrHg(Rav	Control (etf)	Flags	RunCount
Clean											17938-1.RAW		0.00	0.00	3.19	0.00	cleandry	OK	1
WS	A1										17939-1.RAW		35.10606061	0.879924242	2.323792614	0	psample10	OK	1
SEQ-IBL1	A2		1								17940-1.RAW		59.36356534	0	16.30797822	0	psample10	OK	1
SEQ-CAL1	A3		1								17941-1.RAW		64.59881629	25.03423295	18.23172348	0	psample10	OK	1
SEQ-CAL2	A4		1								17942-1.RAW		74.04330019	96.5782197	27.7280303	0	psample10	OK	1
SEQ-CAL3	A5		1								17943-1.RAW		162.8267546	468.9246212	78.46870265	0	psample10	CT	1
SEQ-CAL4	A6		1								17944-1.RAW		316.6607534	870.9390152	112.3764205	0	psample10	CT	1
SEQ-CAL5	A7		1								17945-1.RAW		555.9633478	2053.721378	305.7969697	0	psample10	CT	1
SEQ-ICV1	A8		1								17946-1.RAW		363.0359138	254.6946733	170.8057055	0	psample10	CT	1
SEQ-ICB1	A9		1								17947-1.RAW		59.4553267	4.961363636	23.08214962	0	psample10	CT	1
F611346-BLK1	A10		1.25								17948-1.RAW		62.42386364	6.192897727	30.12296402	0	psample10	OK	1
F611346-BLK2	A11		1.25								17949-1.RAW		50.58587769	4.443039773	21.16581439	0	psample10	OK	1
F611346-BLK3	A12		1.25								17950-1.RAW		43.44076705	3.329782197	21.77589962	0	psample10	OK	1
F611346-BS1	A13		1.25								17951-1.RAW		65.28282888	427.8597538	28.26879735	0	psample10	OK	1
F611346-BSD1	A14		1.25								17952-1.RAW		54.15378788	443.694768	26.55085004	0	psample10	CT	1
F611346-DUP1	A15		1.25								17953-1.RAW		41.78650568	46.99157197	170.1601799	0	psample10	OK	1
F611346-MS1	A16		1.25								17954-1.RAW		59.57156723	502.5375473	197.9322174	0	psample10	CT	1
F611346-MSD1	A17		1.25								17955-1.RAW		54.61226326	482.910322	208.7421919	0	psample10	CT	1
F611346-MS2	A18		1.25								17956-1.RAW		56.02308239	467.5923769	262.8880539	0	psample10	CT	1
F611346-MSD2	A19		1.25								17957-1.RAW		48.51278409	532.5524148	153.0207386	0	psample10	CT	1
SEQ-CCV1	A20		1								17958-1.RAW		429.3654356	274.1370739	208.1608428	0	psample10	CT	1
SEQ-CCB1	A21		1								17959-1.RAW		28.66538826	5.708238636	27.11299716	0	psample10	OK	1
1610567-08	B1		1.25								17960-1.RAW		32.71666667	4.855871212	27.26770833	0	psample10	OK	1
1610609-04	B2		1.25								17961-1.RAW		33.49592803	57.33825758	73.90582386	0	psample10	OK	1
1610609-05	B3		1.25								17962-1.RAW		22.82788826	23.18787879	43.03080019	0	psample10	OK	1
1610609-06	B4		1.25								17963-1.RAW		30.68451705	25.55407197	100.4599432	0	psample10	OK	1
1610609-07	B5		1.25								17964-1.RAW		23.35350379	27.46126894	99.01747159	0	psample10	OK	1
1610609-08	B6		1.25								17965-1.RAW		23.3859375	4.181486742	96.59517045	0	psample10	OK	1
1610610-05	B7		1.25								17966-1.RAW		29.44037448	30.959375	42.84460227	0	psample10	OK	1
1610617-05	B8		1.25								17967-1.RAW		18.72457386	3.947964015	25.04734848	0	psample10	OK	1
1610618-11	B9		1.25								17968-1.RAW		18.75419034	72.14848485	27.05565814	0	psample10	OK	1
1610860-01	B10		1.25								17969-1.RAW		27.56463068	46.24517045	113.9151515	0	psample10	CT	1
SEQ-CCV2	B11		1								17970-1.RAW		182.7763021	300.0922348	232.1684186	0	psample10	CT	1
SEQ-CCB2	B12		1								17971-1.RAW		21.55189394	4.550260417	27.16666667	0	psample10	OK	1
1610860-02	B13		1.25								17972-1.RAW		25.39281025	41.66455966	123.1595518	0	psample10	CT	1
1610860-03	B14		1.25								17973-1.RAW		34.08877841	59.41515152	251.1223179	0	psample10	CT	1
1610860-04	B15		1.25								17974-1.RAW		25.48399621	38.58285985	118.0827652	0	psample10	OK	1
1610860-05	B16		1.25								17975-1.RAW		19.89526515	20.24176136	34.06822917	0	psample10	OK	1
1610860-06	B17		1.25								17976-1.RAW		19.10598958	11.40492424	56.11988636	0	psample10	CT	1
1610860-07	B18		1.25								17977-1.RAW		16.60004735	10.16425189	28.86988636	0	psample10	CT	1
1610860-08	B19		1.25								17978-1.RAW		13.21027462	10.45731534	28.03705019	0	psample10	OK	1
1610860-09	B20		1.25								17979-1.RAW		17.76698934	52.0532197	48.66950758	0	psample10	OK	1
1610860-10	B21		1.25								17980-1.RAW		14.43626894	21.48517992	35.359375	0	psample10	OK	1
1610860-11	C1		1.25								17981-1.RAW		19.48314394	43.86922348	110.2732955	0	psample10	OK	1
SEQ-CCV3	C2		1								17982-1.RAW		369.979072	277.40625	220.8383759	0	psample10	CT	1
SEQ-CCB3	C3		1								17983-1.RAW		17.83551136	1.743513258	19.61624053	0	psample10	OK	1
F611293-BLK4	C4		1								17984-1.RAW		50.39211648	26.61273674	1110.351276	0	psample10	CT	1
F611293-BLK5	C5		1								17985-1.RAW		38.70875947	29.71846591	564.7794015	0	psample10	CT	1
F611293-BLK6	C6		1								17986-1.RAW		20.62324811	30.90729167	178.89375	0	psample10	OK	1
1610785-01RE1	C7		1								17987-1.RAW		43.03607955	389.1920928	582.8677699	0	psample10	CT	1
1610785-02RE1	C8		1								17988-1.RAW		38.82282197	444.3370739	514.4182348	0	psample10	CT	1
1610785-03RE1	C9		1								17989-1.RAW		34.04500559	366.2233537	271.7853693	0	psample10	OK	1
1610785-04RE1	C10		1								17990-1.RAW		47.02627841	358.84375	537.5889201	0	psample10	CT	1
1610828-01RE1	C11		1								17991-1.RAW		84.66055293	551.8766572	1128.740272	0	psample10	CT	1
1610786-02RE1	C12		1								17992-1.RAW		51.36837121	320.8015152	982.3781872	0	psample10	CT	1
1610786-03RE1	C13		1								17993-1.RAW		58.41803977	665.7856771	427.3133523	0	psample10	OK	1
SEQ-CCV4	C14		1								17994-1.RAW		315.8549242	288.8528883	235.6364933	0	psample10	CT	1
SEQ-CCB4	C15		1								17995-1.RAW		26.87693982	5.000804924	24.88409091	0	psample10	OK	1
1610828-02RE1	A1		1								17996-1.RAW		163.6482008	456.7735322	1934.339985	0	psample10	CT	1
1610828-03RE1	A2		1								17997-1.RAW		266.5237636	412.7669981	3663.24794	0	psample10	CT	1
1610828-04RE1	A3		1								17998-1.RAW		366.1650766	756.5885417	3474.860496	0	psample10	CT	1
1610828-05RE1	A4		1								17999-1.RAW		227.2143151	302.5937737	1409.840017	0	psample10	CT	1
1610786-01RE1	A5		10								18000-1.RAW		90.62291667	133.1668087	44.77900095	0	psample10	OK	1
1610786-04RE1	A6		10								18001-1.RAW		76.66776006	346.5073864	58.35033144	0	psample10	OK	1
1610786-05RE1	A7		10								18002-1.RAW		75.75014205	644.7893466	94.7087358	0	psample10	CT	1
1610786-06RE1	A8		10								18003-1.RAW		53.86505682	250.4061316	35.15625	0	psample10	OK	1
1610786-07RE1	A9		10								18004-1.RAW		84.40487689	1307.25539	298.3414145	0	psample10	CT	1
1610786-08RE1	A10		10								18005-1.RAW		73.06860795	1003.335606	315.5305398	0	psample10	OK	1
SEQ-CCV5	A11		1								18006-1.RAW		355.9486269	323.9399148	253.2302232	0	psample10	CT	1
SEQ-CCB5	A12		1								18007-1.RAW		40.42413179	6.095430871	29.78304924	0	psample10	OK	1
1610786-09RE1	A13		1								18008-1.RAW		56.3710575	578.5386837	378.4912372	0	psample10	CT	1
1610786-10RE1	A14		10								18009-1.RAW		33.85842803	225.777178	75.39996146	0	psample10	CT	1
1610786-11RE1	A15		10								18010-1.RAW		36.51420455	180.73125	58.13948864	0	psample10	OK	1
SEQ-CCV6	A16		1								18011-1.RAW		326.0609196	295.4031723	252.354072	0	psample10	CT	1
SEQ-CCB6	A17		1								18012-1.RAW	19:45:05	29.28778793	3.692779356	21.36472538	0	psample10	OK	1

MethylMercury **Operat** RN **BlankSub:** **Calib Eqn:** **Run Date:** ###### **Blank SD:**
EPA1630 **Workst** MMHg2 **CalibFactor:** **Status:** Calblank error: Zero Pe **Run Time:** 6:41:40 **Blank RSD%:**
Method 2010-01 **R:** **R²:** **CalibAnalyte:** **CF SD:**
Descrip MMHg27001-161116-1 **CF RSD%:**

Sample/ID	Location	Rinse	Dilute	Blank	ConcHg0(pi	ConcMeHg(	ConcHg2(pi	ConcPrHg(c	Rec%	QA	RawData	RunEnd	PeakHg0 (Rav	PeakMeHg (R	PeakHg2(Raw	PeakPrHg(Ra	Control (etf)	Flags	RunCount
Clean											17938-1.RAW	6:47:12	0.00	0.00	3.19	0.00	cleandry	OK	1
WS	A1										17939-1.RAW	6:57:42	32.0828598	0.87992424	2.32379261	0	psample10	OK	1
SEQ-IBL1	A2		1								17940-1.RAW	7:08:13	54.3870265	0	16.3079782	0	psample10	CT	1
SEQ-CAL1	A3		1								17941-1.RAW	7:18:44	57.8492177	25.0268466	18.2317235	0	psample10	CT	1
SEQ-CAL2	A4		1								17942-1.RAW	7:29:14	64.8657197	96.5782197	27.7280303	0	psample10	CT	1
SEQ-CAL3	A5		1								17943-1.RAW	7:39:45	134.459105	468.924621	78.4687027	0	psample10	CT	1
SEQ-CAL4	A6		1								17944-1.RAW	7:50:16	262.388377	870.939015	112.37642	0	psample10	CT	1
SEQ-CAL5	A7		1								17945-1.RAW	8:00:47	464.408558	2053.72138	305.79697	0	psample10	CT	1
SEQ-ICV1	A8		1								17946-1.RAW	8:11:18	301.252225	254.694673	170.805705	0	psample10	CT	1
SEQ-ICB1	A9		1								17947-1.RAW	8:21:49	50.3351799	4.96136364	23.0821496	0	psample10	CT	1
F611346-BLK1	A10		1.25								17948-1.RAW	8:32:20	52.3853057	6.28645833	30.122964	0	psample10	CT	1
F611346-BLK2	A11		1.25								17949-1.RAW	8:42:50	40.5861977	4.44303977	21.1658144	0	psample10	CT	1
F611346-BLK3	A12		1.25								17950-1.RAW	8:53:21	35.0243134	3.3297822	21.7758996	0	psample10	CT	1
F611346-BS1	A13		1.25								17951-1.RAW	9:03:52	48.0301904	427.859754	28.2687973	0	psample10	CT	1
F611346-BSD1	A14		1.25								17952-1.RAW	9:14:22	43.7939601	443.694768	26.55085	0	psample10	CT	1
F611346-DUP1	A15		1.25								17953-1.RAW	9:24:53	37.9080241	46.8710701	170.16018	0	psample10	CT	1
F611346-MS1	A16		1.25								17954-1.RAW	9:35:24	47.1523135	502.537547	197.932217	0	psample10	CT	1
F611346-MSD1	A17		1.25								17955-1.RAW	9:45:54	43.190425	482.45857	208.742192	0	psample10	CT	1
F611346-MS2	A18		1.25								17956-1.RAW	9:56:25	44.2211846	467.598722	262.888054	0	psample10	CT	1
F611346-MSD2	A19		1.25								17957-1.RAW	10:06:56	33.6202765	532.552415	153.020739	0	psample10	CT	1
SEQ-CCV1	A20		1								17958-1.RAW	10:17:27	370.224572	274.120715	208.160843	0	psample10	CT	1
SEQ-CCB1	A21		1								17959-1.RAW	10:27:57	25.0674479	5.70823864	27.1129972	0	psample10	CT	1
1610567-08	B1		1.25								17960-1.RAW	10:38:28	26.9077178	4.90026042	27.2677083	0	psample10	CT	1
1610609-04	B2		1.25								17961-1.RAW	10:48:59	26.3120265	57.3382576	73.9058239	0	psample10	CT	1
1610609-05	B3		1.25								17962-1.RAW	10:59:29	20.9416667	23.1579072	43.0308002	0	psample10	CT	1
1610609-06	B4		1.25								17963-1.RAW	11:10:00	24.9046165	25.554072	100.459943	0	psample10	CT	1
1610609-07	B5		1.25								17964-1.RAW	11:20:31	19.5321023	27.4069839	99.0174716	0	psample10	OK	1
1610609-08	B6		1.25								17965-1.RAW	11:31:01	19.7947053	4.18148674	96.5951705	0	psample10	OK	1
1610610-05	B7		1.25								17966-1.RAW	11:41:32	25.6743883	30.959375	42.5000473	0	psample10	CT	1
1610617-05	B8		1.25								17967-1.RAW	11:52:03	15.8205019	3.94796402	25.0473485	0	psample10	CT	1
1610618-11	B9		1.25								17968-1.RAW	12:02:33	14.2010182	72.1484848	27.0556581	0	psample10	CT	1
1610860-01	B10		1.25								17969-1.RAW	12:13:04	20.7551847	46.246946	113.915152	0	psample10	OK	1
SEQ-CCV2	B11		1								17970-1.RAW	12:23:35	159.424433	300.092235	232.168419	0	psample10	CT	1
SEQ-CCB2	B12		1								17971-1.RAW	12:34:05	14.6623899	4.55026042	27.1666667	0	psample10	OK	1
1610860-02	B13		1.25								17972-1.RAW	12:44:36	18.1748241	41.6645597	123.159552	0	psample10	CT	1
1610860-03	B14		1.25								17973-1.RAW	12:55:07	27.7038826	59.4151515	251.122318	0	psample10	CT	1
1610860-04	B15		1.25								17974-1.RAW	13:05:37	21.0070549	38.5828598	118.10393	0	psample10	OK	1
1610860-05	B16		1.25								17975-1.RAW	13:16:08	15.6932292	20.2417614	34.0682292	0	psample10	OK	1
1610860-06	B17		1.25								17976-1.RAW	13:26:39	14.7172348	11.4049242	56.1198864	0	psample10	OK	1
1610860-07	B18		1.25								17977-1.RAW	13:37:09	13.8135653	10.1642519	28.880161	0	psample10	OK	1
1610860-08	B19		1.25								17978-1.RAW	13:47:40	11.967661	10.4573153	28.0370502	0	psample10	OK	1
1610860-09	B20		1.25								17979-1.RAW	13:58:11	15.9176197	52.1366004	48.6695076	0	psample10	OK	1
1610860-10	B21		1.25								17980-1.RAW	14:08:41	12.7492392	21.4893466	33.6025805	0	psample10	OK	1
1610860-11	C1		1.25								17981-1.RAW	14:19:12	15.979214	43.8692235	110.273295	0	psample10	CT	1
SEQ-CCV3	C2		1								17982-1.RAW	14:29:43	327.931393	277.40625	220.838376	0	psample10	CT	1
SEQ-CCB3	C3		1								17983-1.RAW	14:40:14	16.7536932	1.74436553	19.6162405	0	psample10	CT	1
F611293-BLK4	C4		1								17984-1.RAW	14:50:44	45.4457512	26.6127367	1110.35128	0	psample10	CT	1
F611293-BLK5	C5		1								17985-1.RAW	15:01:15	34.747017	29.7184659	564.779401	0	psample10	CT	1
F611293-BLK6	C6		1								17986-1.RAW	15:11:46	20.6232481	30.2632576	178.89375	0	psample10	OK	1
1610785-01RE1	C7		1								17987-1.RAW	15:22:16	39.7789773	389.192093	582.86777	0	psample10	CT	1
1610785-02RE1	C8		1								17988-1.RAW	15:32:47	35.8000473	444.337074	514.418235	0	psample10	CT	1
1610785-03RE1	C9		1								17989-1.RAW	15:43:18	33.2765755	366.223354	271.785369	0	psample10	OK	1
1610785-04RE1	C10		1								17990-1.RAW	15:53:48	42.3122159	358.84375	537.58892	0	psample10	CT	1
1610828-01RE1	C11		1								17991-1.RAW	16:04:19	77.0689275	551.85	1128.74027	0	psample10	CT	1

1610786-02RE1	C12	1
1610786-03RE1	C13	1
SEQ-CCV4	C14	1
SEQ-CCB4	C15	1
1610828-02RE1	A1	1
1610828-03RE1	A2	1
1610828-04RE1	A3	1
1610828-05RE1	A4	1
1610786-01RE1	A5	10
1610786-04RE1	A6	10
1610786-05RE1	A7	10
1610786-06RE1	A8	10
1610786-07RE1	A9	10
1610786-08RE1	A10	10
SEQ-CCV5	A11	1
SEQ-CCB5	A12	1
1610786-09RE1	A13	1
1610786-10RE1	A14	10
1610786-11RE1	A15	10
SEQ-CCV6	A16	1
SEQ-CCB6	A17	1

17992-1.RAW	16:14:50	47.1529119	320.801515	382.378187	0	psample10	CT	1
17993-1.RAW	16:25:20	53.2754972	664.441146	427.313352	0	psample10	OK	1
17994-1.RAW	16:35:51	275.797701	288.852888	235.64717	0	psample10	CT	1
17995-1.RAW	16:46:22	22.0567398	5.00080492	24.8840909	0	psample10	OK	1
17996-1.RAW	16:56:52	146.617903	456.773532	1934.33999	0	psample10	CT	1
17997-1.RAW	17:07:24	243.373914	412.726989	3663.24794	0	psample10	CT	1
17998-1.RAW	17:17:55	332.545562	756.588542	3474.99444	0	psample10	CT	1
17999-1.RAW	17:28:26	208.026041	302.668963	1409.84002	0	psample10	CT	1
18000-1.RAW	17:38:56	81.9538352	133.166809	44.7790009	0	psample10	CT	1
18001-1.RAW	17:49:27	68.1176136	346.507386	58.3503314	0	psample10	CT	1
18002-1.RAW	17:59:58	67.9338469	644.789347	94.7087358	0	psample10	OK	1
18003-1.RAW	18:10:29	47.2454072	250.406132	35.5773201	0	psample10	OK	1
18004-1.RAW	18:20:59	74.9915567	1307.25535	298.341414	0	psample10	CT	1
18005-1.RAW	18:31:30	65.3492898	1003.33561	315.53054	0	psample10	OK	1
18006-1.RAW	18:42:01	310.796166	323.939915	253.230223	0	psample10	CT	1
18007-1.RAW	18:52:32	37.0564394	6.09543087	29.7830492	0	psample10	OK	1
18008-1.RAW	19:03:02	49.1975119	578.538684	378.491237	0	psample10	CT	1
18009-1.RAW	19:13:33	30.6720644	225.777178	75.4054099	0	psample10	CT	1
18010-1.RAW	19:24:04	32.2331284	180.73125	58.1394886	0	psample10	CT	1
18011-1.RAW	19:34:35	281.918915	295.403172	252.354072	0	psample10	CT	1
18012-1.RAW	19:45:05	26.65741	3.69277936	21.3647254	0	psample10	OK	1

Failing Data Report - 6K17015

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier
F611346-MS1	MHg-CVAFS-W-Dist	1.432	0.050		0.120	1.0010	ng/L	131	65.00	130.00			PASS-OVER	FAIL-MS	QM-07
F611346-MSD2	MHg-CVAFS-W-Dist	1.518	0.050	1.331	0.106	1.0010	ng/L	141	65.00	130.00	13.1	35.00	PASS-OVER	FAIL-MSD (Rec.)	QM-07

Analyst Reviewed By — 11/17/16 Date

Peer Reviewed By — 11/17/16 Date

ANALYSIS SEQUENCE

6K17015

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/16/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K17015-IBL1	QC	1			
6K17015-CAL1	QC	2	1606090		
6K17015-CAL2	QC	3	1606091		
6K17015-CAL3	QC	4	1606092		
6K17015-CAL4	QC	5	1606093		
6K17015-CAL5	QC	6	1606094		
6K17015-ICV1	QC	7	1605079		
6K17015-ICB1	QC	8			
F611346-BLK1	QC	9			
F611346-BLK2	QC	10			
F611346-BLK3	QC	11			
F611346-BS1	QC	12			
F611346-BSD1	QC	13			
F611346-DUP1	QC	14			
F611346-MS1	QC	15			
F611346-MSD1	QC	16			
F611346-MS2	QC	17			
F611346-MSD2	QC	18			
6K17015-CCV1	QC	19	1605079		
6K17015-CCB1	QC	20			
1610567-08	MHg-CVAFS-W-Dist	21			Scan all data for level IV report
1610609-04	MHg-CVAFS-W-Dist	22			
1610609-05	MHg-CVAFS-W-Dist	23			
1610609-06	MHg-CVAFS-W-Dist	24			
1610609-07	MHg-CVAFS-W-Dist	25			
1610609-08	MHg-CVAFS-W-Dist	26			
1610610-05	MHg-CVAFS-W-Dist	27			
1610617-05	MHg-CVAFS-W-Dist	28			
1610618-11	MHg-CVAFS-W-Dist	29			
1610860-01	MHg-CVAFS-W-Dist	30			Scan all data - Level IV
6K17015-CCV2	QC	31	1605079		
6K17015-CCB2	QC	32			
1610860-02	MHg-CVAFS-W-Dist	33			Scan all data - Level IV
1610860-03	MHg-CVAFS-W-Dist	34			Scan all data - Level IV
1610860-04	MHg-CVAFS-W-Dist	35			Scan all data - Level IV

Due Date: 11/16/2016

ANALYSIS SEQUENCE

6K17015

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/16/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
1610860-05	MHg-CVAFS-W-Dist	36			Scan all data - Level IV
1610860-06	MHg-CVAFS-W-Dist	37			Scan all data - Level IV
1610860-07	MHg-CVAFS-W-Dist	38			Scan all data - Level IV
1610860-08	MHg-CVAFS-W-Dist	39			Scan all data - Level IV
1610860-09	MHg-CVAFS-W-Dist	40			Scan all data - Level IV
1610860-10	MHg-CVAFS-W-Dist	41			Scan all data - Level IV
1610860-11	MHg-CVAFS-W-Dist	42			Scan all data - Level IV
6K17015-CCV3	QC	43	1605079		
6K17015-CCB3	QC	44			

Samples Loaded By 11/17/16 Date

Data Processed By 11/17/16 Date

Due Date: 11/16/2016

PREPARATION BENCH SHEET

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611346-BLK1	Blank	45	40					
F611346-BLK2	Blank	45	40					
F611346-BLK3	Blank	45	40					
F611346-BS1	LCS	45	40	1605979	45			
F611346-BSD1	LCS Dup	45	40	1605979	45			
F611346-DUP1	Duplicate [1610860-03]	45	40					
F611346-MS1	Matrix Spike [1610860-01]	45	40	1605979	45			
F611346-MS2	Matrix Spike [1610860-02]	45	40	1605979	45			
F611346-MSD1	Matrix Spike Dup [1610860-01]	45	40	1605979	45			
F611346-MSD2	Matrix Spike Dup [1610860-02]	45	40	1605979	45			

Standard ID(s):	Description:	Expiration:
1605979	MHg New Primary 1.0 ng/mL CAL	15-Jan-17 00:00

Reagent ID(s):	Description:	Expiration:
1605961	Acetate Buffer	11-Apr-17 00:00
1606301	Ethylating Agent (For Methyl Mercury Analysis)	26-Apr-17 00:00
1606667	APDC	18-Nov-16 00:00
1606669	0.5% HCl Distillation Dilute (Made Daily)	15-Nov-16 00:00
1606762	2.5% Ascorbic Acid	24-Nov-16 00:00

Du Date: 11/16/2016

PREPARATION BENCH SHEET

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610567-08	GBPE-0023-08	45	40	-	-	-	Scan all data for level IV report	
1610609-04	P85262-4	45	40	-	-	-		
1610609-05	P85262-5	45	40	-	-	-		
1610609-06	P85262-6	45	40	-	-	-		
1610609-07	P85262-7	45	40	-	-	-		
1610609-08	P85262-8	45	40	-	-	-		
1610610-05	Lab Blank 8644932	45	40	-	-	-		
1610617-05	Lab Blank 8644939	45	40	-	-	-		
1610618-11	Lab Blank 8644951	45	40	-	-	-		
1610860-01	WQ1b-c_102516_SW_10	45	40	QC	-	-	MS/MSD Scan all data - Level IV	
1610860-02	WQ1b-c_102516_SW_10 Dissolved	45	40	QC	-	-	MS/MSD Scan all data - Level IV	
1610860-03	WQ1b-c_102516_SW_10_DUP	45	40	-	-	-	Scan all data - Level IV	
1610860-04	WQ1b-c_102516_SW_10_DUP Dissolved	45	40	-	-	-	Scan all data - Level IV	
1610860-05	ES15_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	
1610860-06	ES15_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	
1610860-07	WQ-FPT_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	
1610860-08	WQ-FPT_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	
16[illegible]-09	WQ_ECH_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	
16[illegible]-10	WQ_ECH_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	

Du[illegible] Date: 11/16/2016

PREPARATION BENCH SHEET

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

1610860-11	WQ3-L_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	

[redacted]

Date: 11/16/2016

PREPARATION BENCH SHEET

RN 27001 11/16/16

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611346-BLK1	Blank	45	40					1.25
F611346-BLK2	Blank	45	40					1.25
F611346-BLK3	Blank	45	40					1.25
F611346-BS1	LCS	45	40	1605979	45			1.25
F611346-BSD1	LCS Dup	45	40	1605979	45			1.25
F611346-DUP1	Duplicate [1610860-03]	45	40					1.25
F611346-MS1	Matrix Spike [1610860-01]	45	40	1605979	45			1.25
F611346-MS2	Matrix Spike [1610860-02]	45	40	1605979	45			1.25
F611346-MSD1	Matrix Spike Dup [1610860-01]	45	40	1605979	45			1.25
F611346-MSD2	Matrix Spike Dup [1610860-02]	45	40	1605979	45			1.25

Standard ID(s):	Description:	Expiration:
1605979	MHg New Primary 1.0 ng/mL CAL	15-Jan-17 00:00

Reagent ID(s):	Description:	Expiration:
1606667	APDC	18-Nov-16 00:00
1606669	0.5% HCl Distillation Dilute (Made Daily)	15-Nov-16 00:00

1605961
1606301
1606762

D Date: 11/16/2016

PREPARATION BENCH SHEET

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610567-08	GBPE-0023-08	45	40	-	-	-	Scan all data for level IV report	1.25
1610609-04	P85262-4	45	40	-	-	-		1.25
1610609-05	P85262-5	45	40	-	-	-		1.25
1610609-06	P85262-6	45	40	-	-	-		1.25
1610609-07	P85262-7	45	40	-	-	-		1.25
1610609-08	P85262-8	45	40	-	-	-		1.25
1610610-05	Lab Blank 8644932	45	40	-	-	-		1.25
1610617-05	Lab Blank 8644939	45	40	-	-	-		1.25
1610618-11	Lab Blank 8644951	45	40	-	-	-		1.25
1610860-01	WQ1b-c_102516_SW_10	45	40	QC	-	-	MS/MSD Scan all data - Level IV	1.25
1610860-02	WQ1b-c_102516_SW_10 Dissolved	45	40	QC	-	-	MS/MSD Scan all data - Level IV	1.25
1610860-03	WQ1b-c_102516_SW_10_DUP	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-04	WQ1b-c_102516_SW_10_DUP Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-05	ES15_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-06	ES15_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-07	WQ-FPT_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-08	WQ-FPT_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-09	WQ_ECH_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-10	WQ_ECH_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25

D Date: 11/16/2016

PREPARATION BENCH SHEET

F611346

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/14/2016**

1610860-11	WQ3-L_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25

[redacted]

Date: 11/16/2016

Methyl Mercury Distillations (EPA 1630)

Name: AMB Date: 11/14/16 Batch #: F611346 Sample Matrix: Water

WO#: 1610567, 1610609, 1610610, 1610617, 1610618, 1610860

The pH of the preserved sample must be documented before an aliquot is removed for preparation.

Digest #	Sample ID Number	Preserved pH	Sample Size (mL)	Final pH (≥3)
BLK1	F611346-BLK1	1.0	45	3.0
BLK2	F611346-BLK2	1.0	45	3.0
BLK3	F611346-BLK3	1.0	45	3.0
BS1	F611346-BS1	1.0	45	4.0
BSD1	F611346-BSD1	1.0	45	3.0
DUP1	F611346-DUP1	1.0	45	4.0
MS1	F611346-MS1	1.0	45	4.0
MSD1	F611346-MSD1	1.0	45	4.0
MS2	F611346-MS2	1.0	45	4.0
MSD2	F611346-MSD2	1.0	45	4.0
1	1610567-08A	1.0	45	4.0
2	1610609-04A	1.0	45	3.0
3	1610609-05A	1.0	45	3.0
4	1610609-06A	1.0	45	3.0
5	1610609-07A	1.0	45	3.0
6	1610609-08A	1.0	45	3.0
7	1610610-05A	1.0	45	3.0
8	1610617-05A	1.0	45	4.0
9	1610618-11A	1.0	45	3.0
10	1610860-01B	1.0	45	4.0
11	1610860-02B	1.0	45	4.0
12	1610860-03B	1.0	45	4.0
13	1610860-04B	1.0	45	4.0
14	1610860-05B	1.0	45	4.0
15	1610860-06B	1.0	45	3.0
16	1610860-07B	1.0	45	4.0
17	1610860-08B	1.0	45	4.0
18	1610860-09B	1.0	45	3.0
19	1610860-10B	1.0	45	3.0
20	1610860-11B	1.0	45	3.0

AMB 11-14-16

Spike ID: 1605978 AMB 11/14/16
Spike Amount: 45 µL
Spike Witness: DM 11/14/16

Balance #: 2
Calibrated? ☑ Yes ☐ No

Pipette #: NH09653
Cal. Date: 11-14-16

Pipette #: CJ17087
Cal. Date: 11-14-16

Pipette #: N/A
Cal. Date: N/A

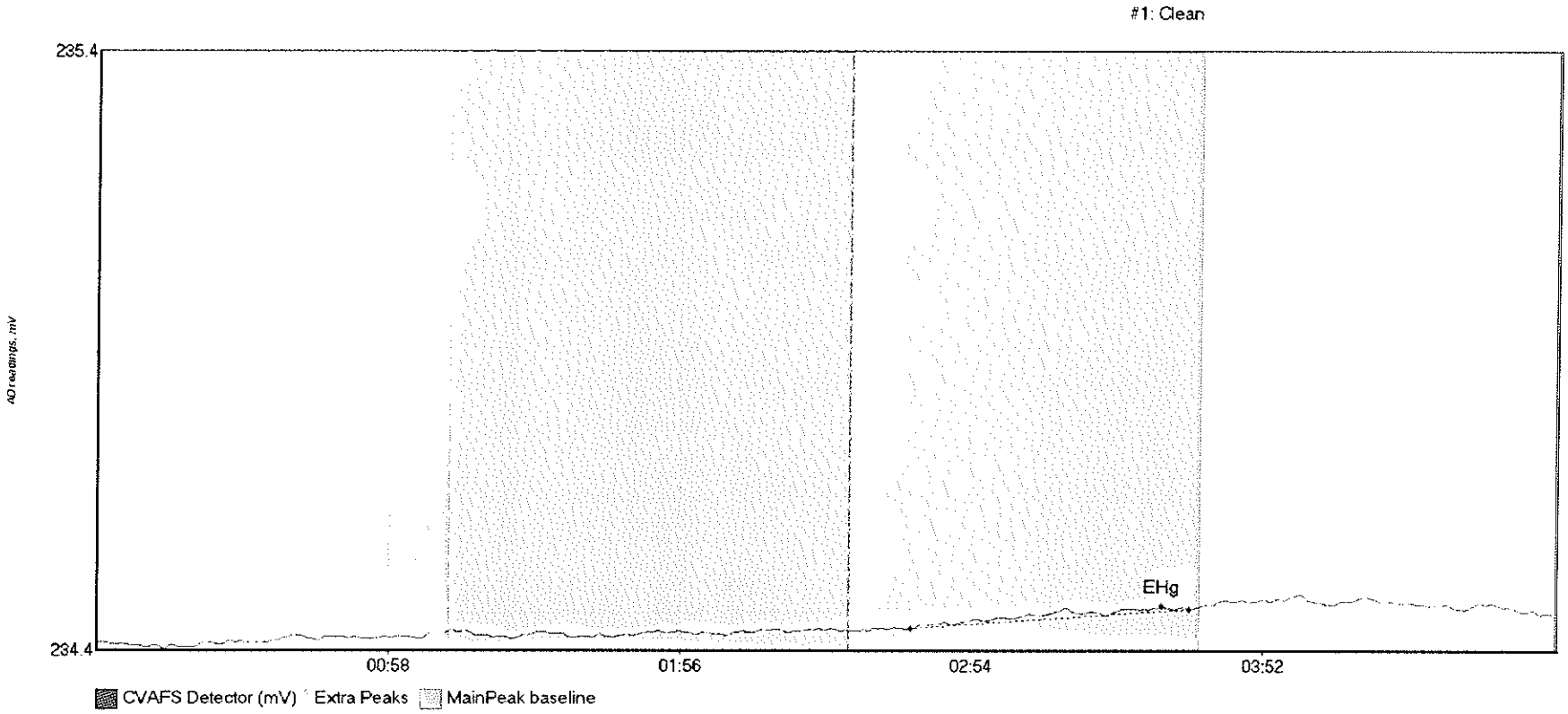
APDC ID: 1606667
HCl ID: 1606669

Temperature: No set range as the temp. may be changed to keep flow rate of ≥10 mL per hour. Temperature is recorded for informational purposes only.

Unit 1: 120.1
Unit 2: 122.0
Unit 3: 120.5
Unit 4: 120.3
Unit 5: 122.0
Unit 6: 122.0

Comments:
DUP1 source: 1610860-03B
MS1, MSD1 source: 1610860-01
MS2, MSD2 source: 1610860-02
First vial came off at: 19:30

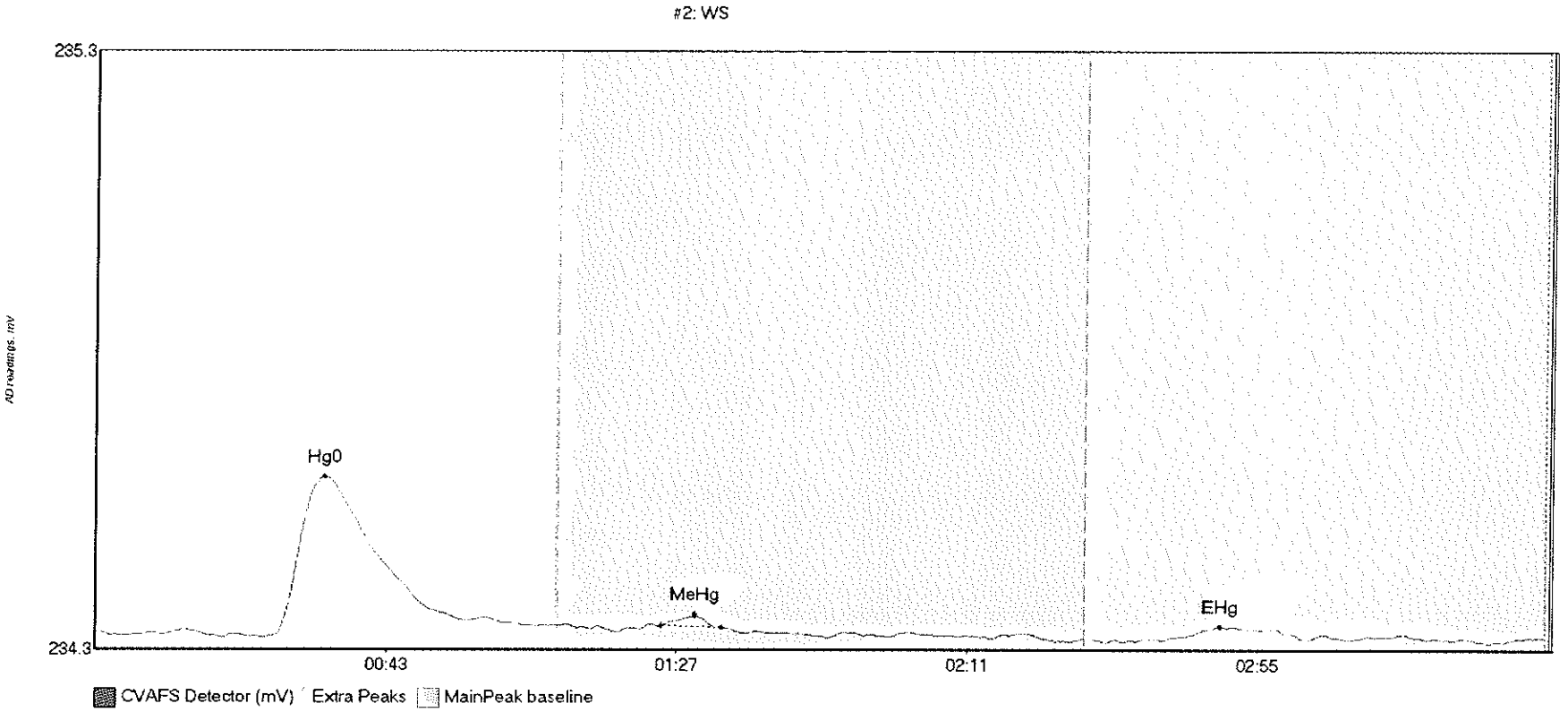
AMB 11-14-16



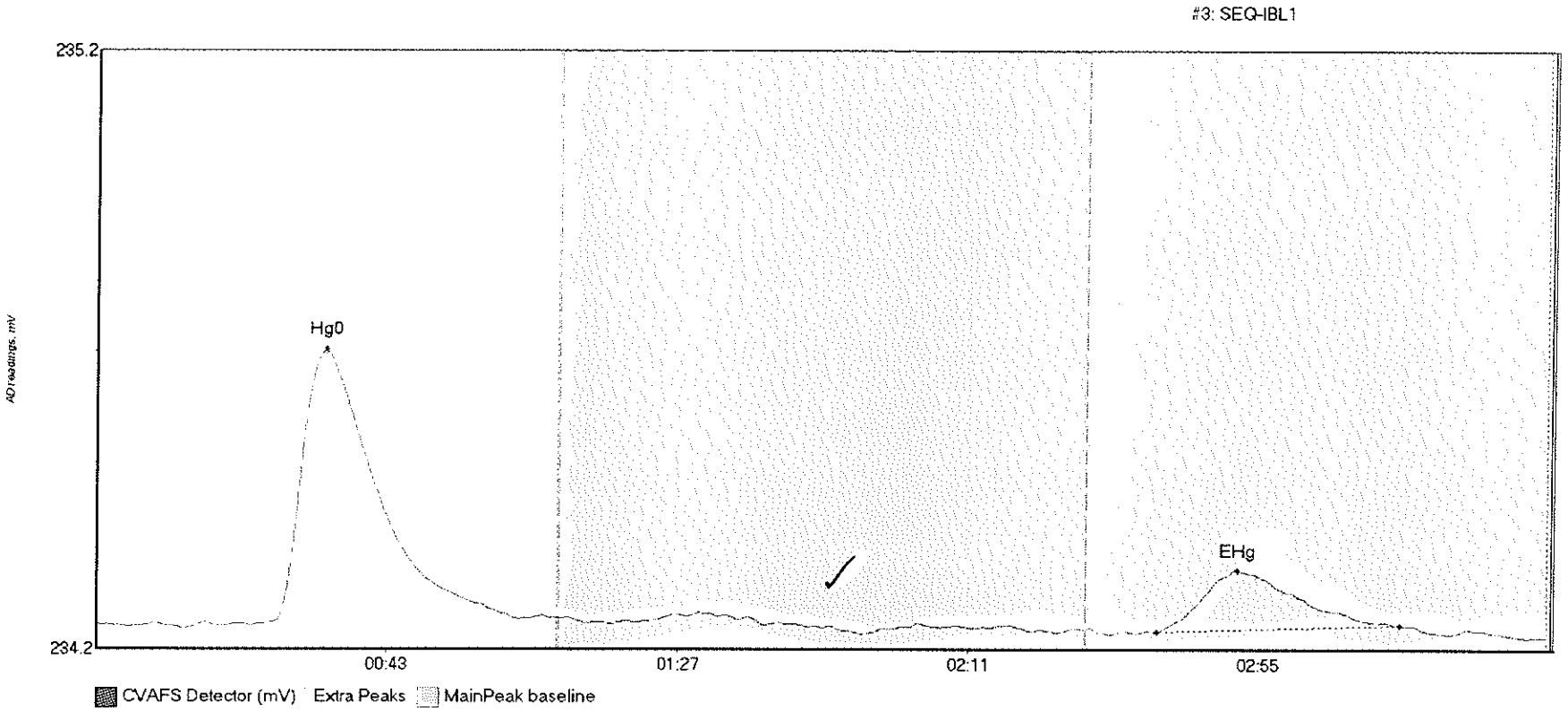
CHROMATOGRAM VERIFIED 11/17/16 DMW

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
Clean	3.191	162.5	218.1	234.44	234.47	212.6	0.037	OK	234.4163	0.00	0.05	

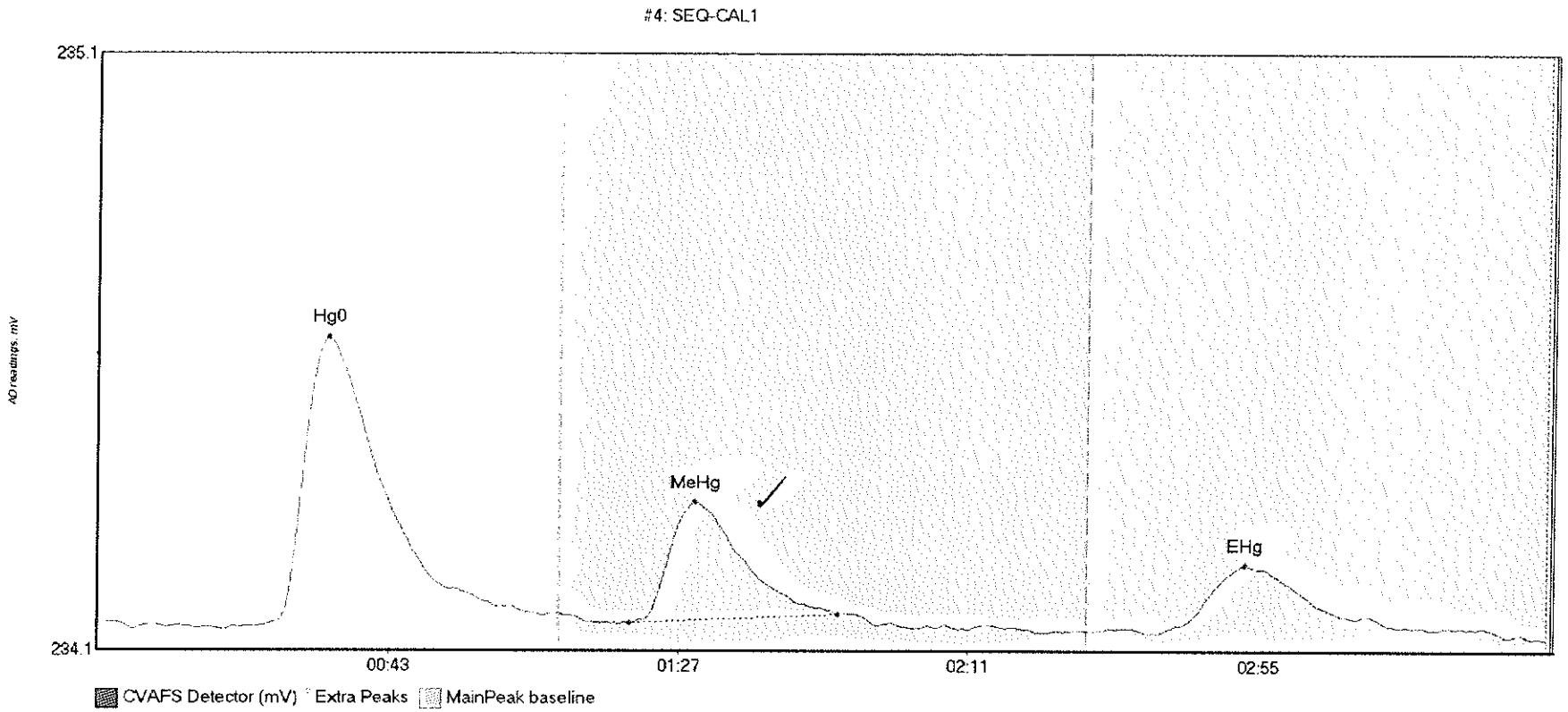
016



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
WS Hg0	35.106	26.7	66.6	234.32	234.34	34.7	0.267	OK	234.3301	0.00	-0.01	
WS MeHg	0.880	85.7	94.9	234.34	234.34	90.9	0.017	OK	234.3301	0.00	-0.01	
WS EHg	2.324	164.9	183.5	234.32	234.32	170.4	0.018	OK	234.3301	0.00	-0.01	

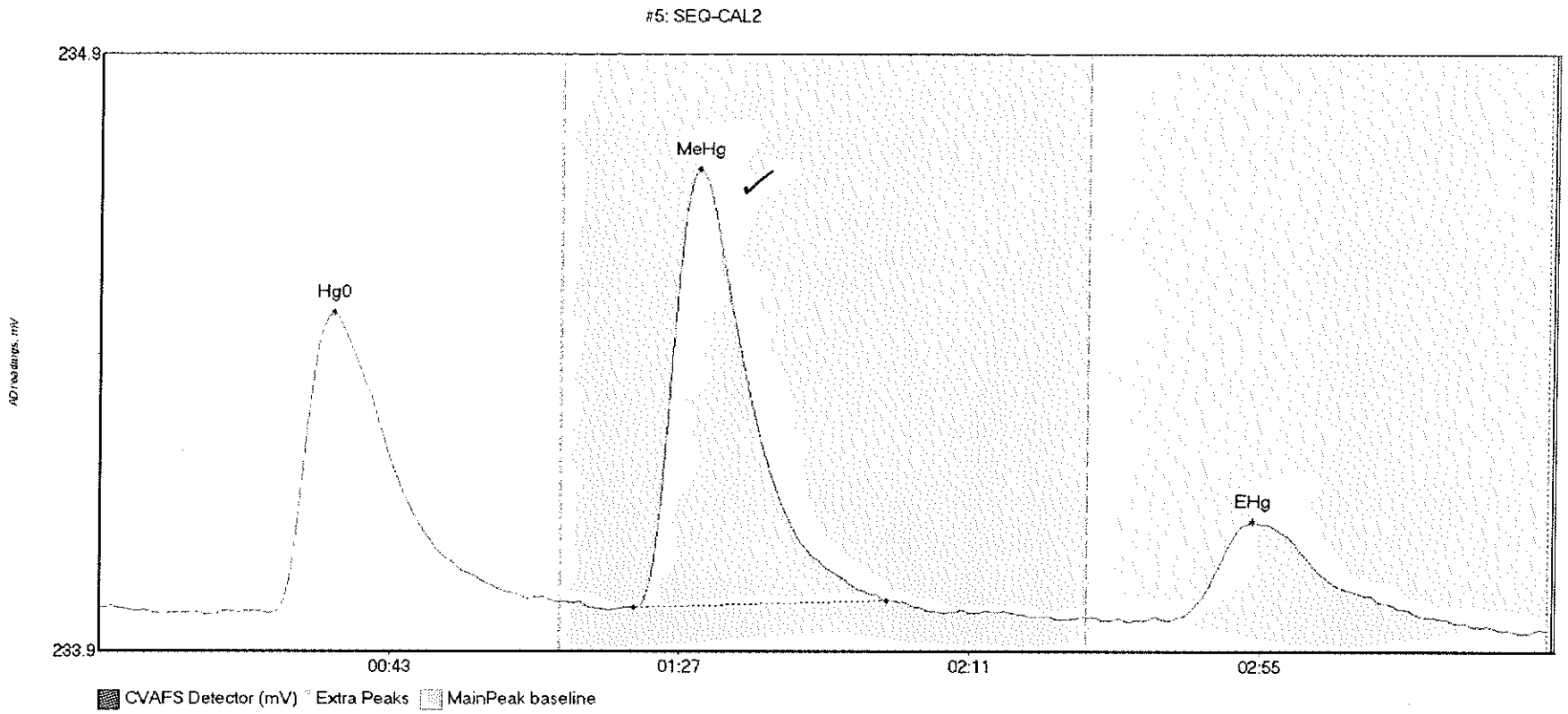


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-IBL1 Hg0	59.364	27.0	64.0	234.24	234.25	34.7	0.453	OK	234.2402	0.00	-0.02	
SEQ-IBL1 EHg	16.308	160.7	197.5	234.23	234.24	172.9	0.104	OK	234.2402	0.00	-0.02	

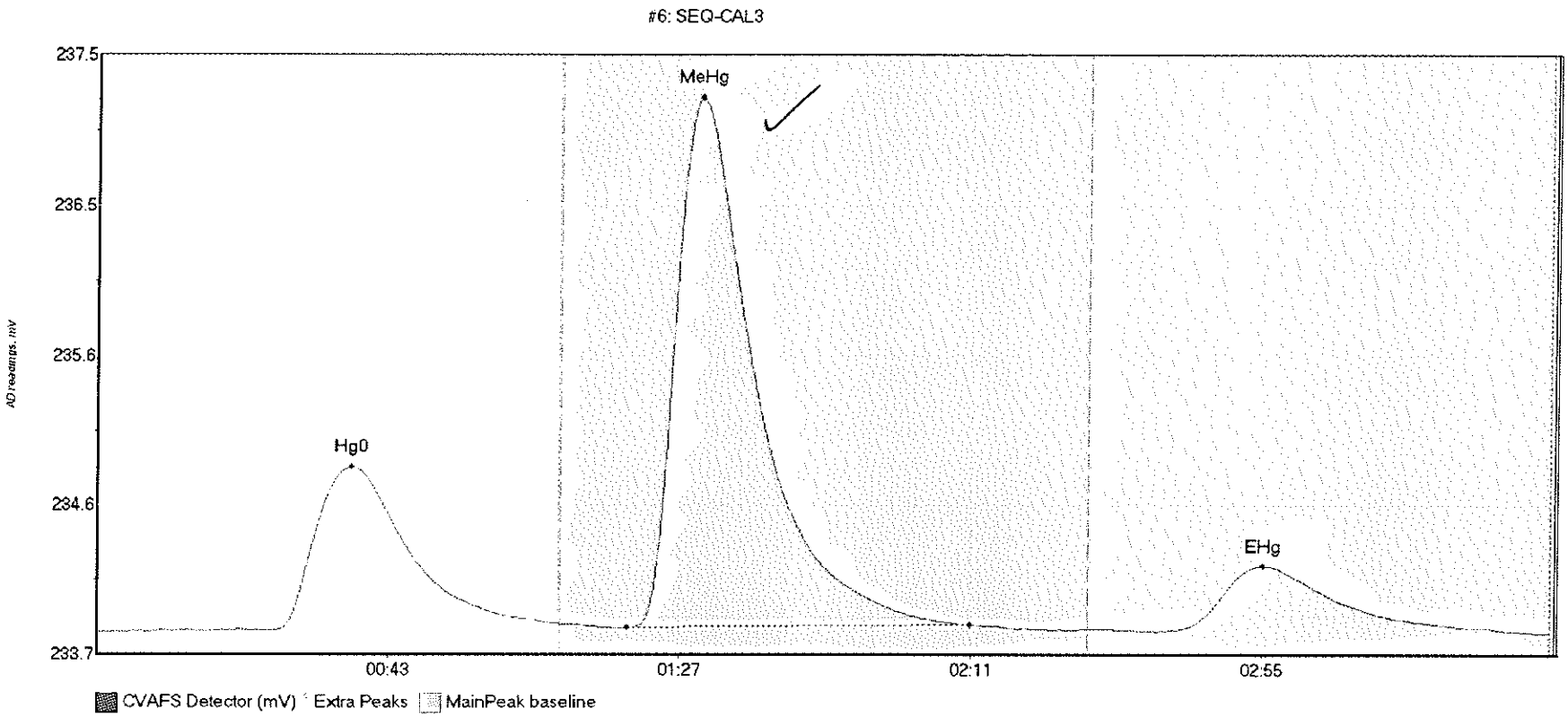


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL1 Hg0	64.599	24.9	67.5	234.11	234.13	34.8	0.482	OK	234.1165	0.00	-0.03	
SEQ-CAL1 MeHg	25.034	80.6	112.2	234.11	234.13	90.4	0.203	OK	234.1165	0.00	-0.03	
SEQ-CAL1 EHg	18.232	160.6	199.6	234.10	234.11	173.9	0.114	OK	234.1165	0.00	-0.03	

016



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL2 Hg0	74.043	26.1	69.7	233.97	233.99	35.4	0.503	OK	233.9843	0.00	-0.04	
SEQ-CAL2 MeHg	96.578	81.2	119.5	233.98	233.99	90.8	0.733	OK	233.9843	0.00	-0.04	
SEQ-CAL2 EHg	27.728	162.4	200.8	233.96	233.97	174.9	0.165	OK	233.9843	0.00	-0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL3 Hg0	162.827	16.4	69.9	233.83	233.88	38.5	1.045	CT	233.8264	0.00	-0.01	
SEQ-CAL3 MeHg	468.925	80.1	131.9	233.85	233.87	91.2	3.369	OK	233.8264	0.00	-0.01	
SEQ-CAL3 EHg	78.469	162.5	213.4	233.83	233.83	176.2	0.412	OK	233.8264	0.00	-0.01	

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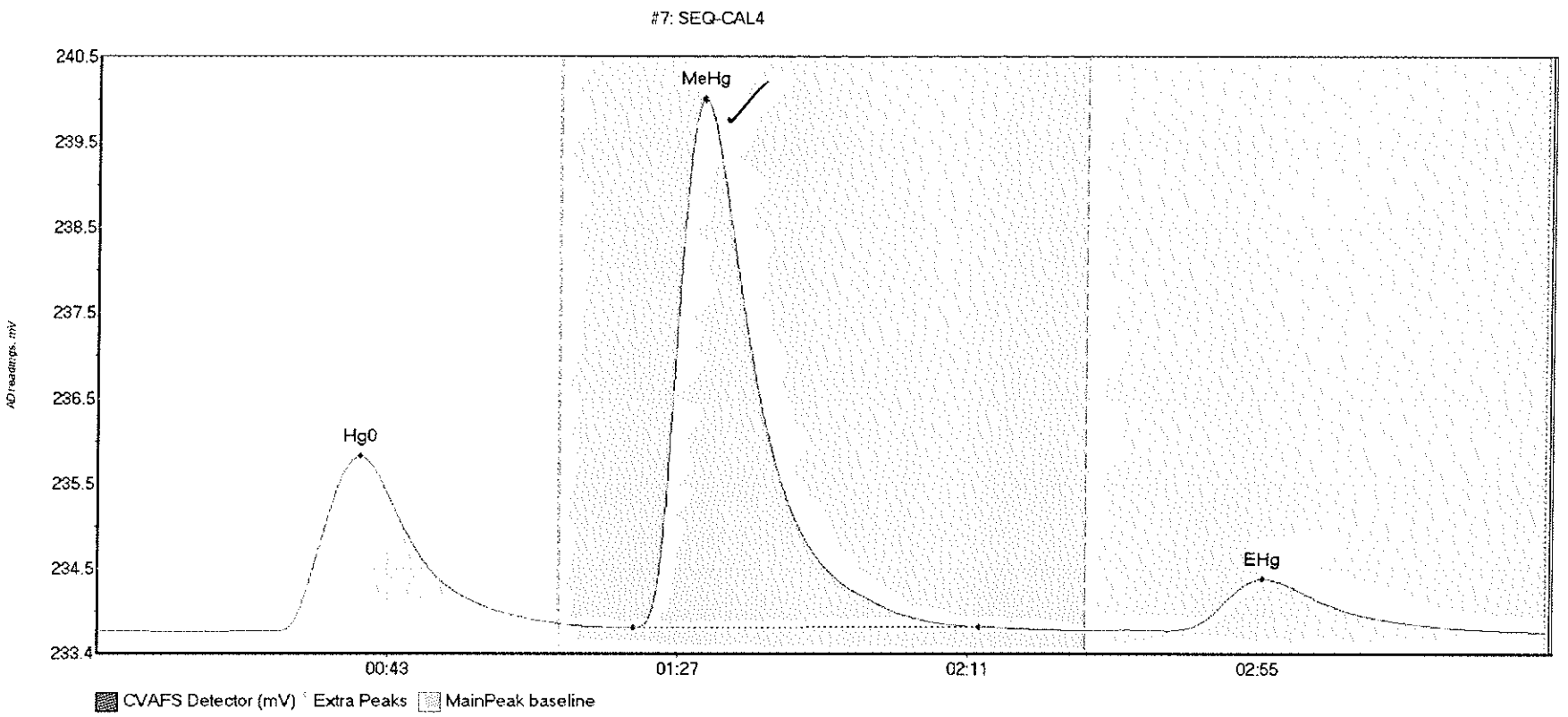

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL4 Hg0	316.661	27.2	69.9	233.71	233.80	39.8	2.082	CT	233.7097	0.00	-0.01	
SEQ-CAL4 MeHg	870.939	81.3	133.8	233.76	233.77	91.8	6.273	OK	233.7097	0.00	-0.01	
SEQ-CAL4 EHg	112.376	162.5	211.8	233.72	233.72	176.8	0.619	OK	233.7097	0.00	-0.01	

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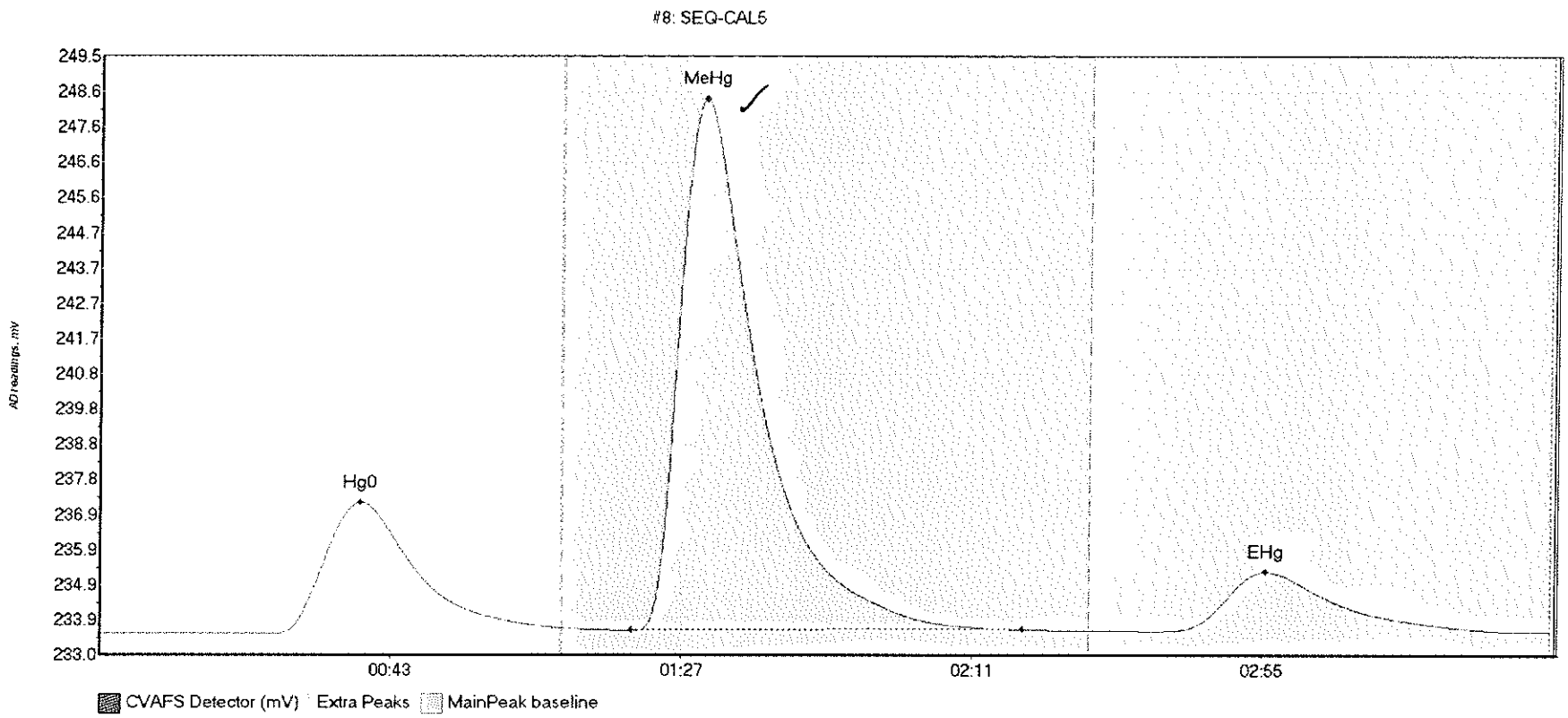

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL5 Hg0	555.963	25.5	69.9	233.57	233.73	39.5	3.639	CT	233.5754	0.00	0.05	
SEQ-CAL5 MeHg	2053.721	80.5	139.7	233.66	233.69	91.4	14.702	OK	233.5754	0.00	0.05	
SEQ-CAL5 EHg	305.797	160.7	213.7	233.64	233.64	176.6	1.642	OK	233.5754	0.00	0.05	

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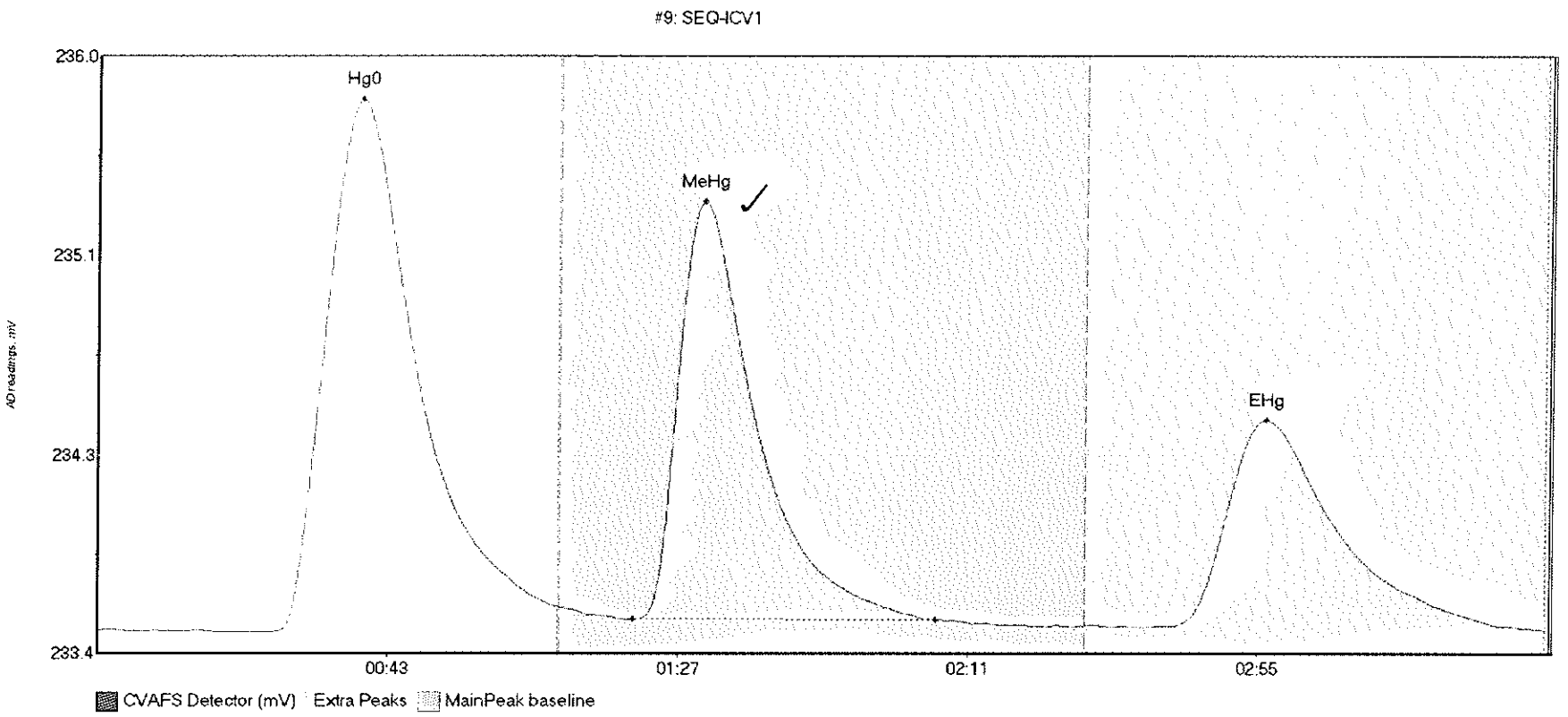
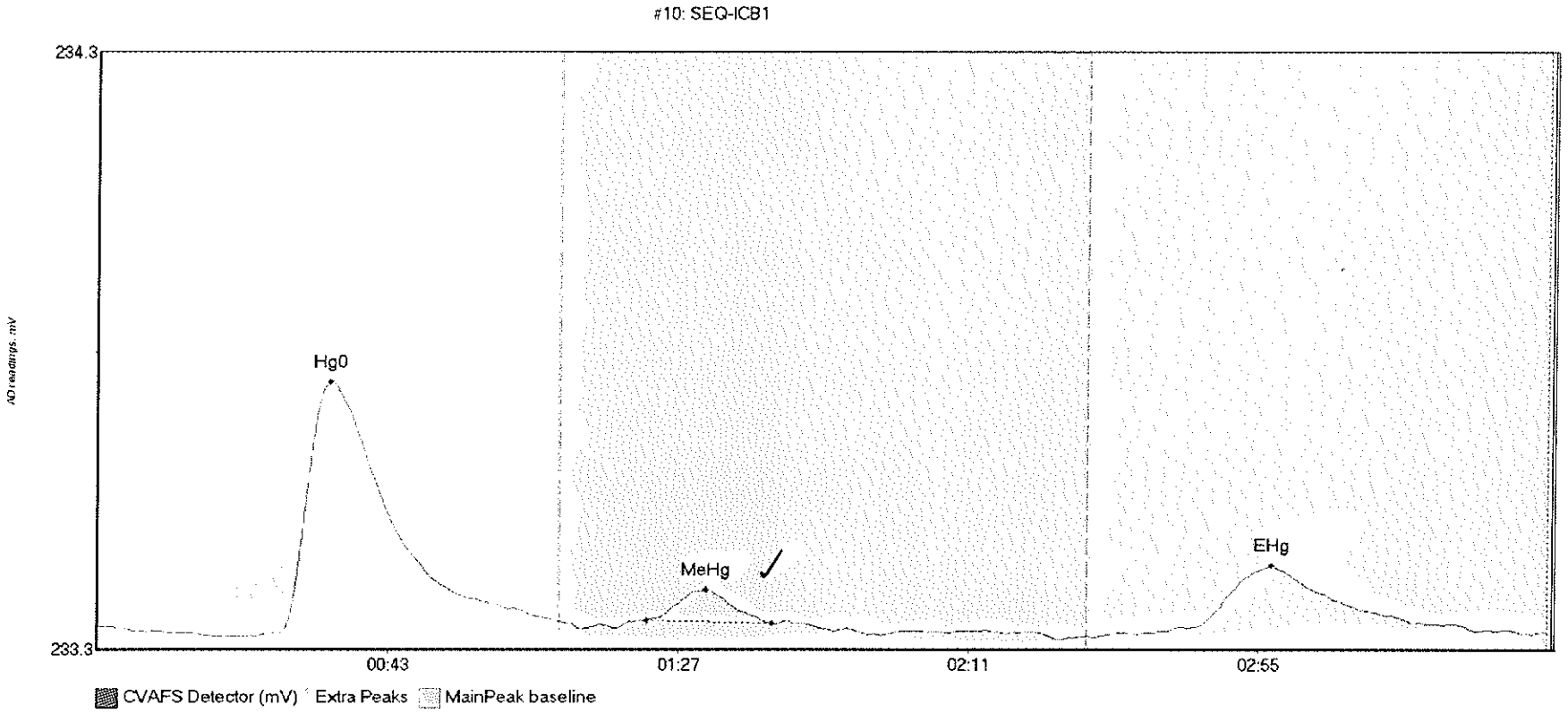


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICV1 Hg0	363.036	26.9	69.9	233.47	233.58	40.0	2.365	CT	233.4759	0.00	0.00	
SEQ-ICV1 MeHg	254.695	81.2	127.2	233.52	233.52	91.9	1.856	OK	233.4759	0.00	0.00	
SEQ-ICV1 EHg	170.806	163.0	212.4	233.49	233.49	177.3	0.918	OK	233.4759	0.00	0.00	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICB1 Hg0	59.455	27.3	69.9	233.37	233.39	35.2	0.422	CT	233.3842	0.00	-0.01	
SEQ-ICB1 MeHg	4.961	83.2	102.2	233.40	233.39	92.1	0.051	OK	233.3842	0.00	-0.01	
SEQ-ICB1 EHg	23.082	157.6	217.5	233.37	233.37	178.0	0.114	OK	233.3842	0.00	-0.01	

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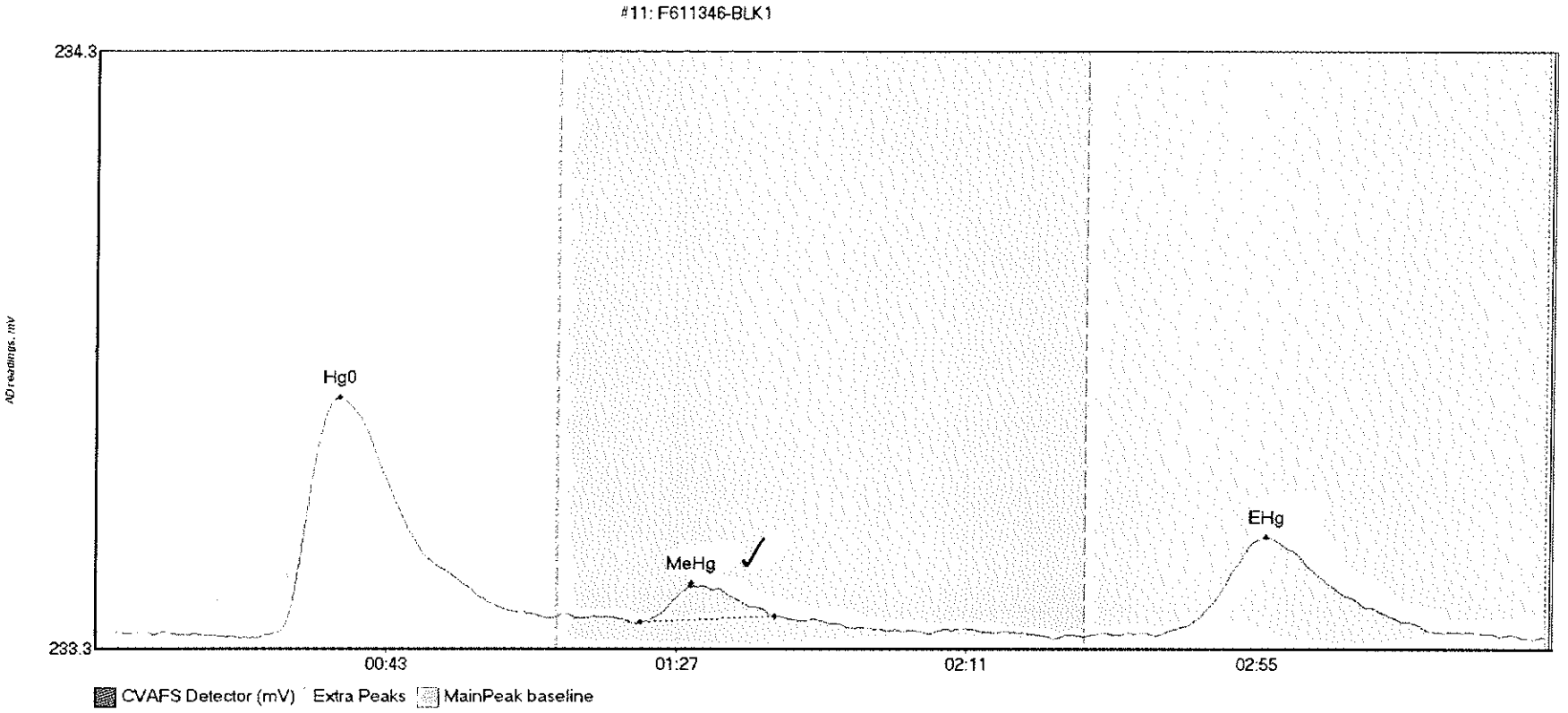

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-BLK1 Hg	62.424	25.9	68.5	233.31	233.34	36.9	0.398	OK	233.3119	0.00	-0.01	
F611346-BLK1 Me	6.193	82.6	102.9	233.33	233.34	90.2	0.062	OK	233.3119	0.00	-0.01	
F611346-BLK1 EH	30.123	160.8	209.7	233.31	233.31	177.5	0.166	OK	233.3119	0.00	-0.01	

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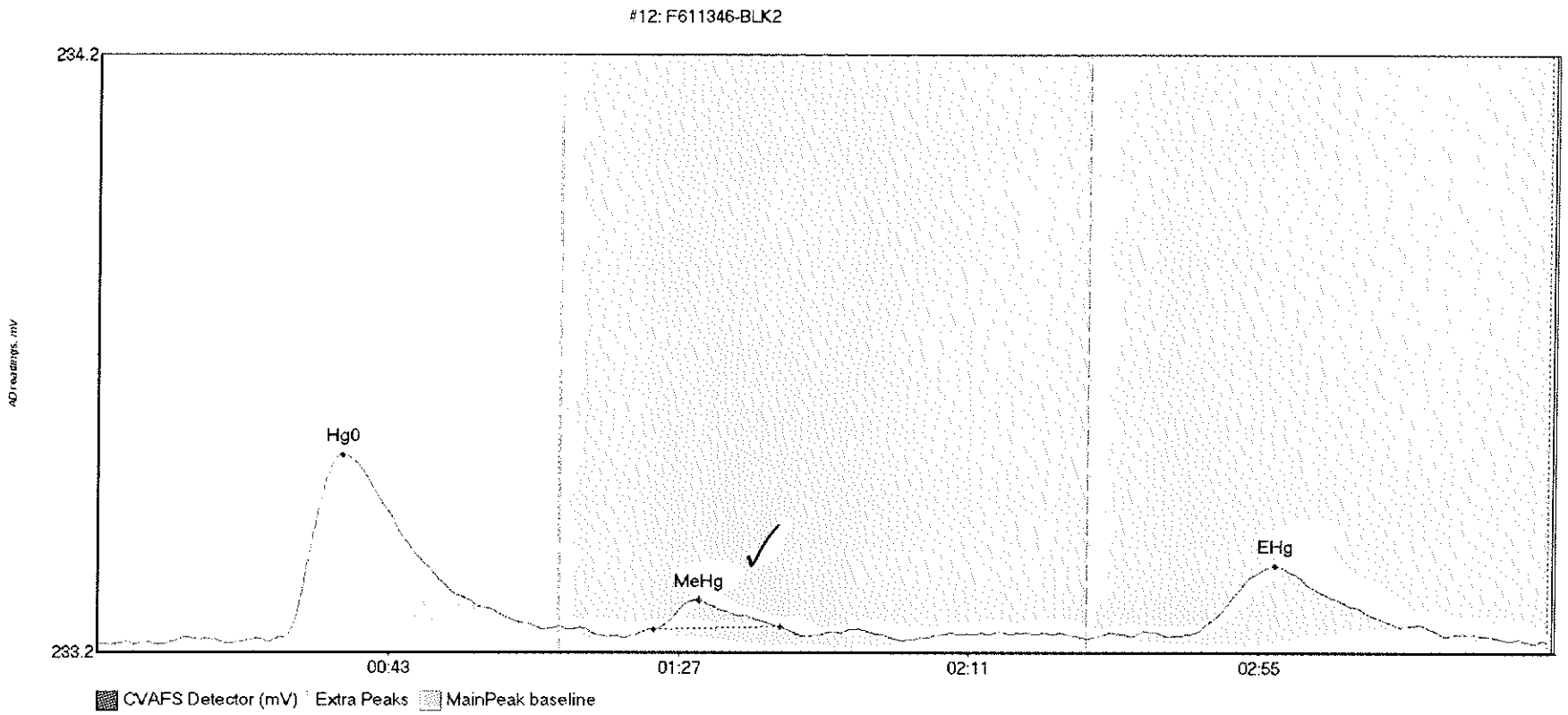

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-BLK2 Hg	50.586	21.8	67.5	233.26	233.28	37.0	0.313	OK	233.2565	0.00	0.01	
F611346-BLK2 Me	4.443	84.2	103.3	233.28	233.29	91.0	0.050	OK	233.2565	0.00	0.01	
F611346-BLK2 EH	21.166	163.9	204.3	233.27	233.27	178.4	0.117	OK	233.2565	0.00	0.01	

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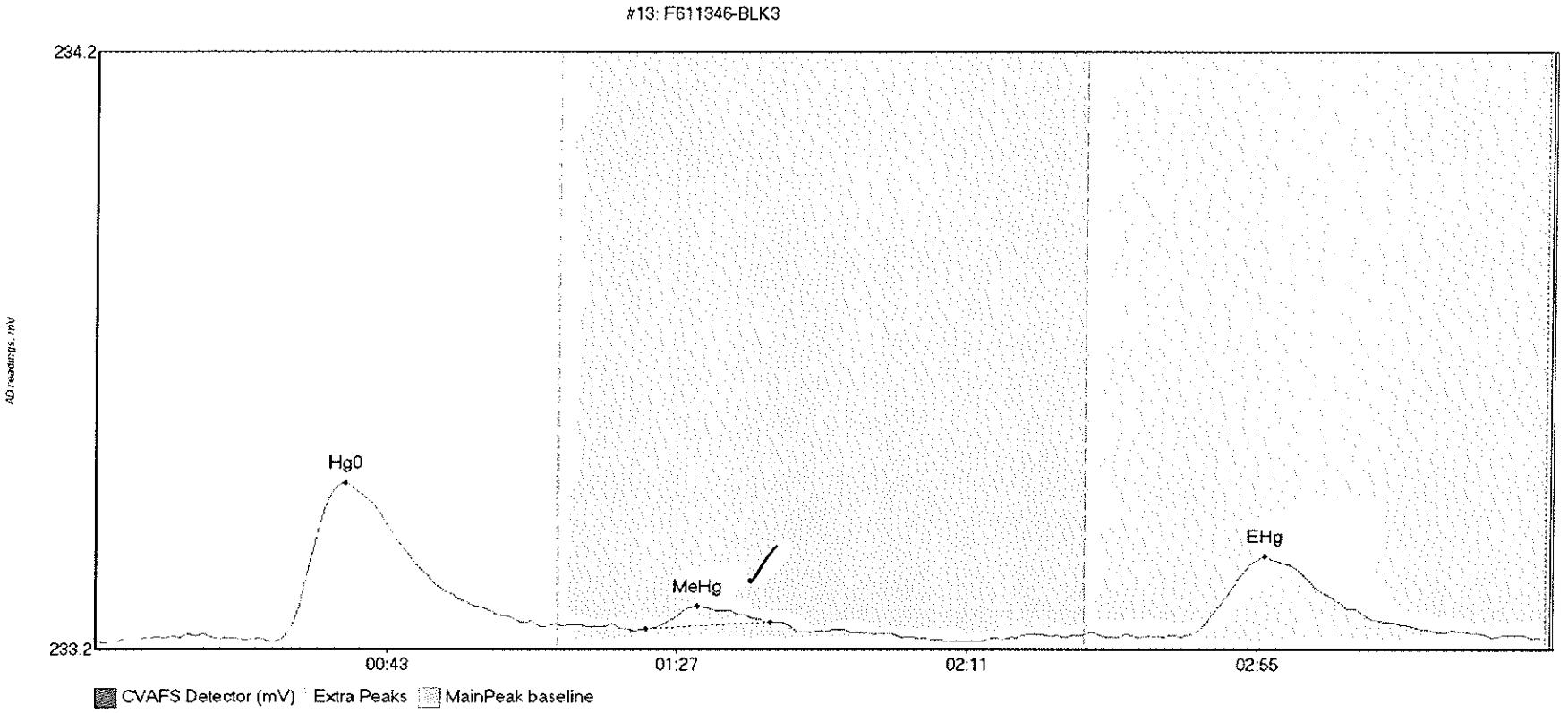
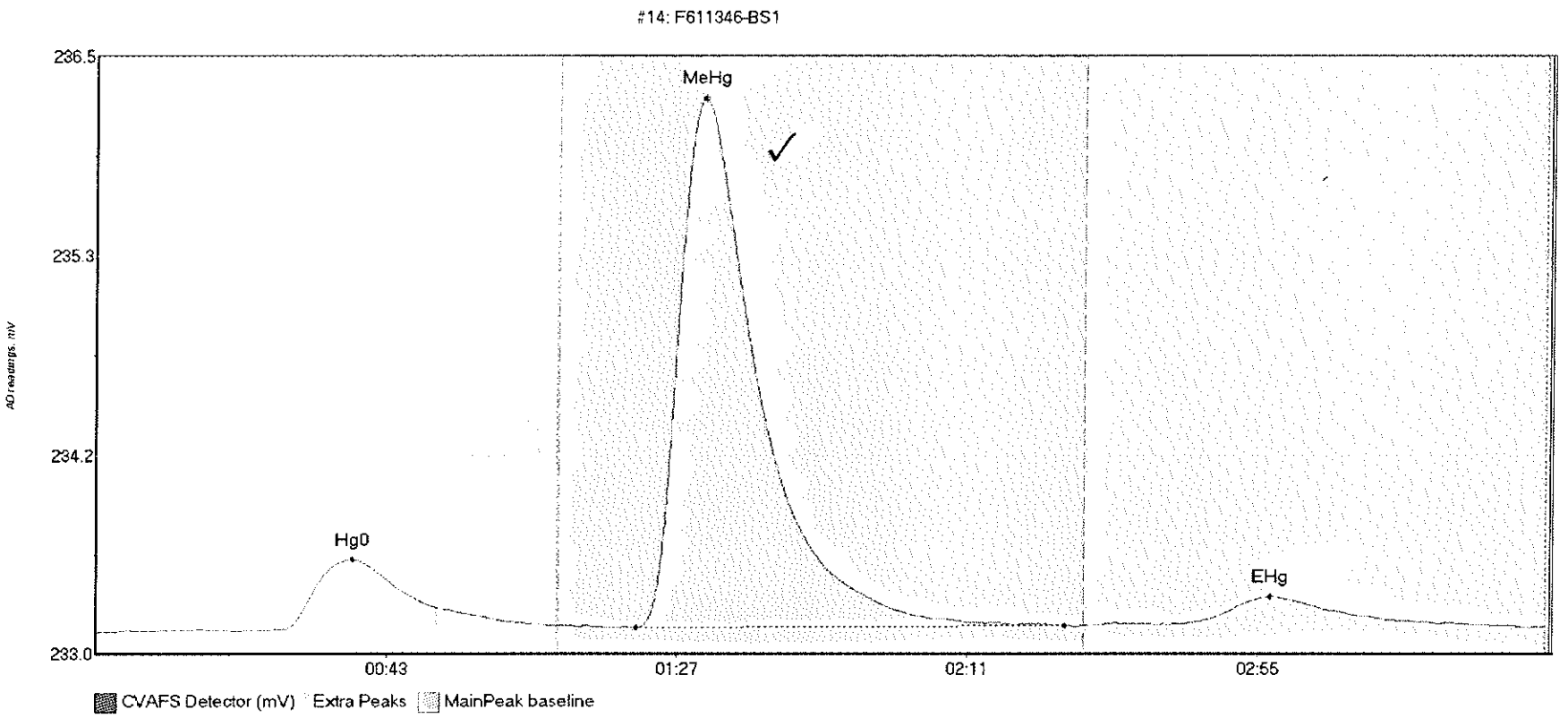
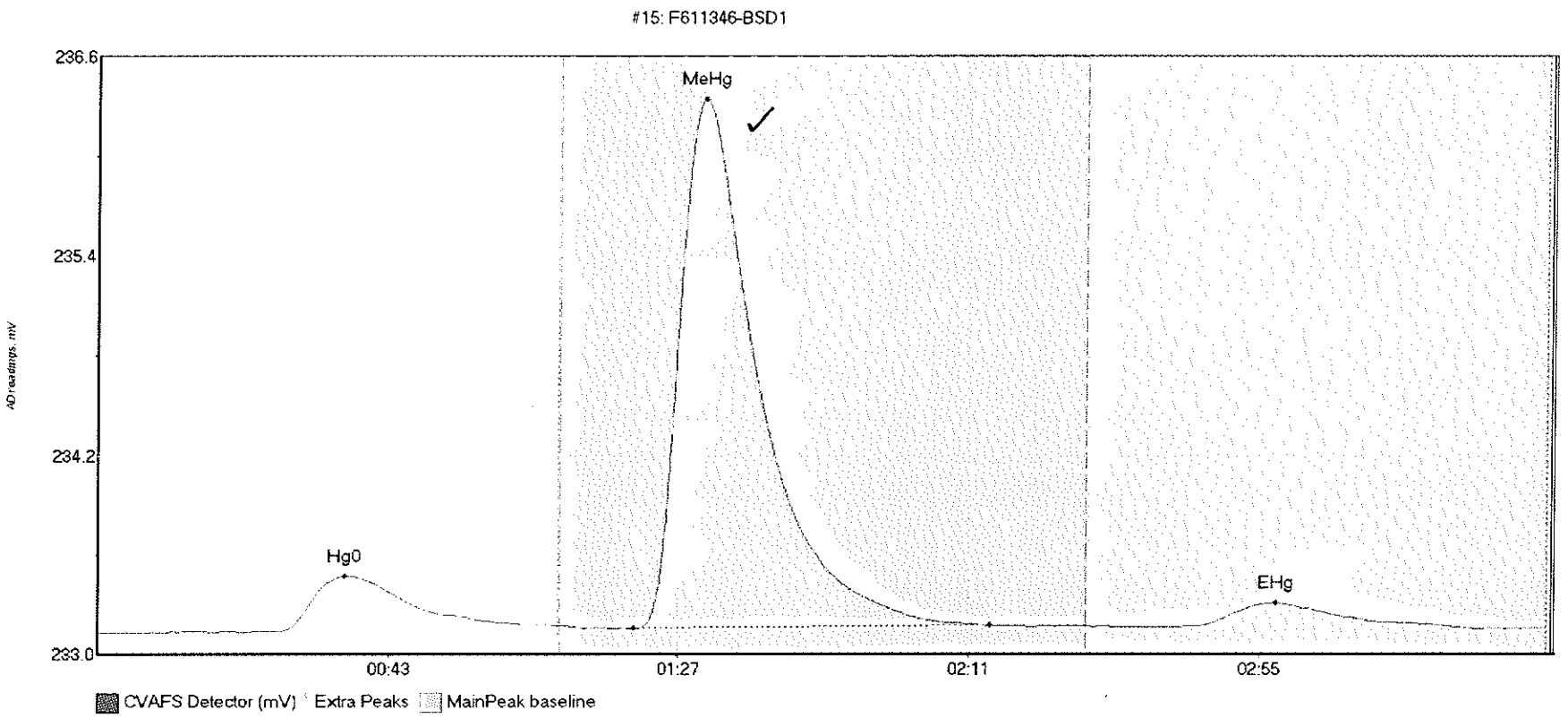


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-BLK3 Hg	43.441	27.1	67.9	233.20	233.22	37.7	0.266	OK	233.1981	0.00	0.00	
F611346-BLK3 Me	3.330	83.5	102.1	233.22	233.23	91.1	0.039	OK	233.1981	0.00	0.00	
F611346-BLK3 EH	21.776	165.5	204.4	233.21	233.21	177.2	0.132	OK	233.1981	0.00	0.00	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-BS1 Hg0	65.283	2.6	69.2	233.14	233.18	38.9	0.423	OK	233.1373	0.00	0.03	
F611346-BS1 MeH	427.860	81.9	147.0	233.17	233.18	92.1	3.071	OK	233.1373	0.00	0.03	
F611346-BS1 EHg	28.269	162.6	209.3	233.19	233.18	177.9	0.161	OK	233.1373	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-BSD1 Hg	54.154	22.2	69.9	233.14	233.18	37.5	0.342	CT	233.1363	0.00	0.03	
F611346-BSD1 Me	443.695	81.3	135.3	233.16	233.18	92.0	3.220	OK	233.1363	0.00	0.03	
F611346-BSD1 EH	26.551	166.9	209.5	233.18	233.16	178.6	0.138	OK	233.1363	0.00	0.03	

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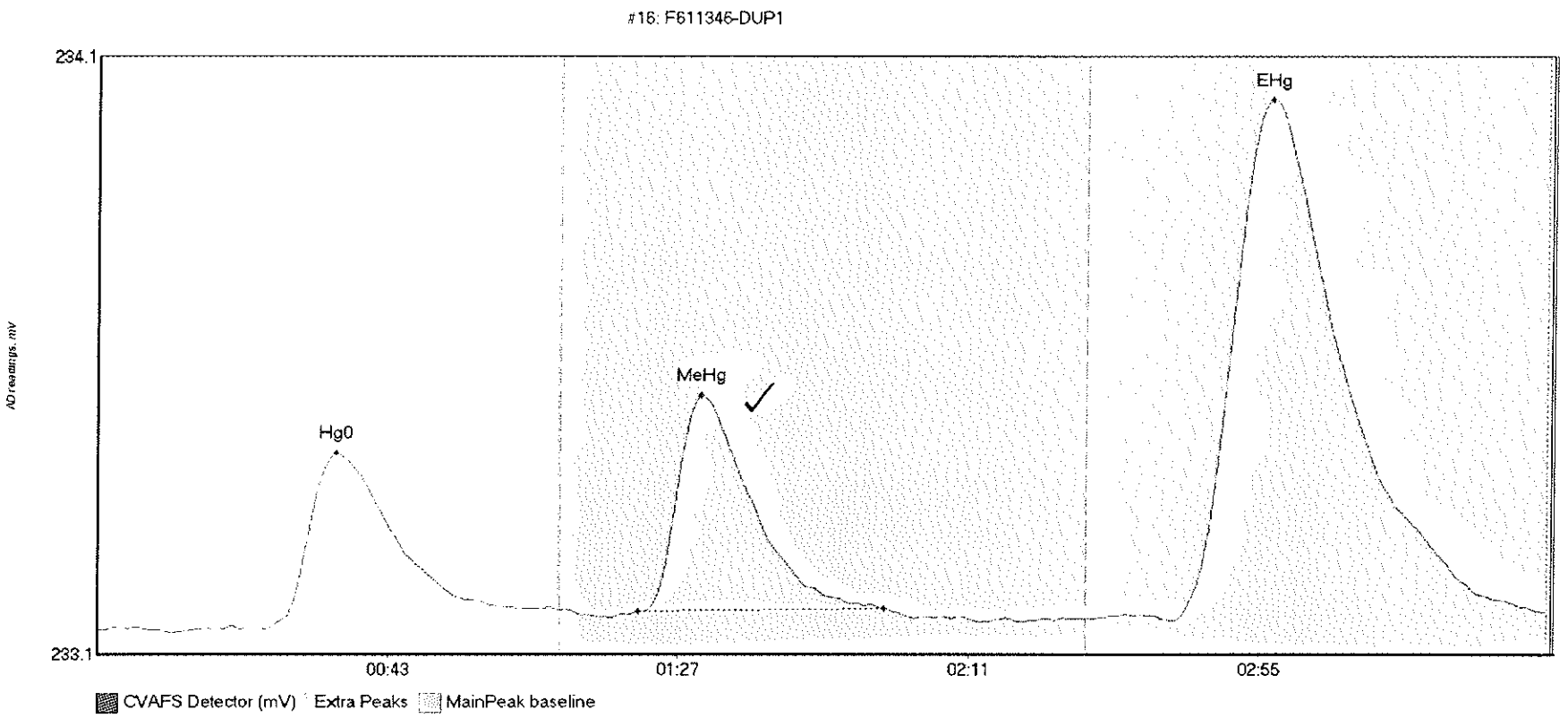
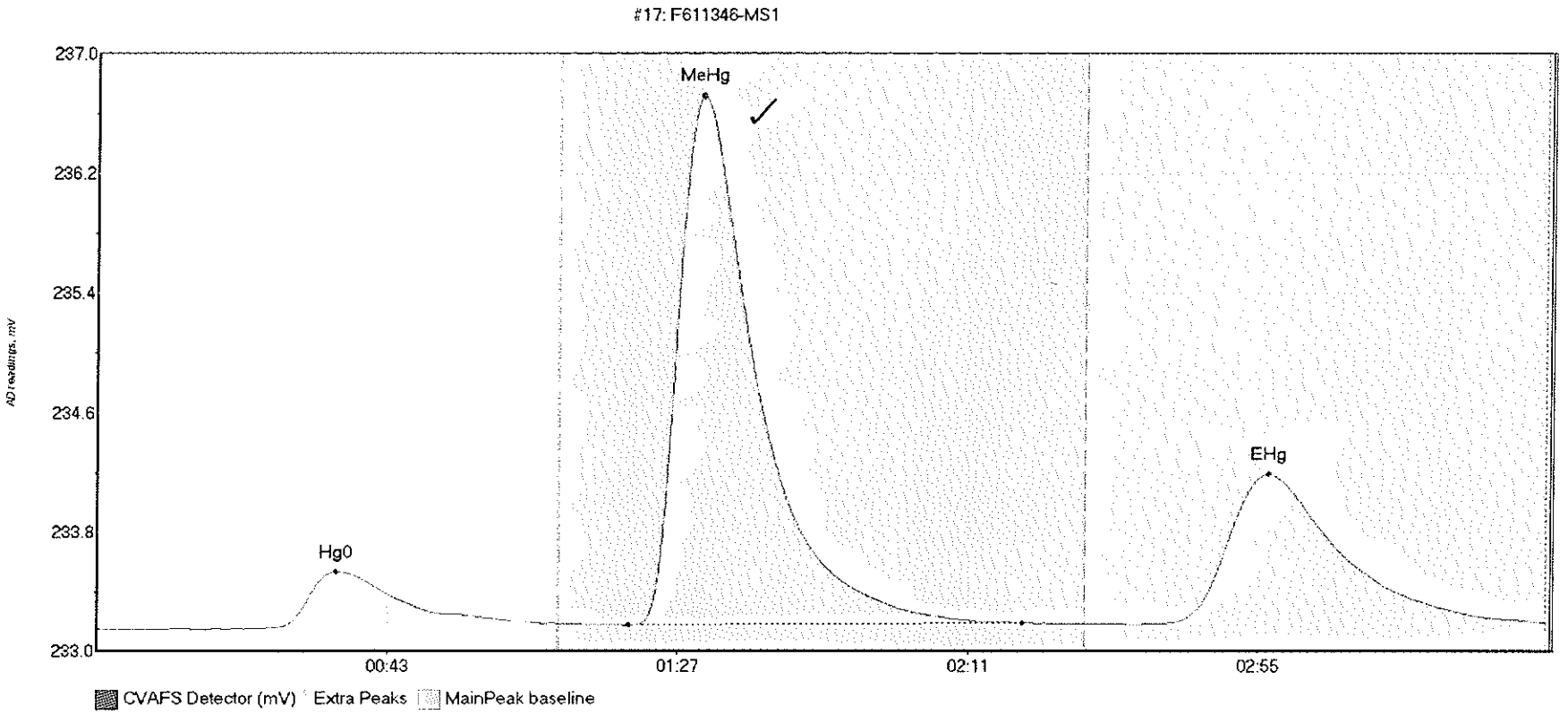
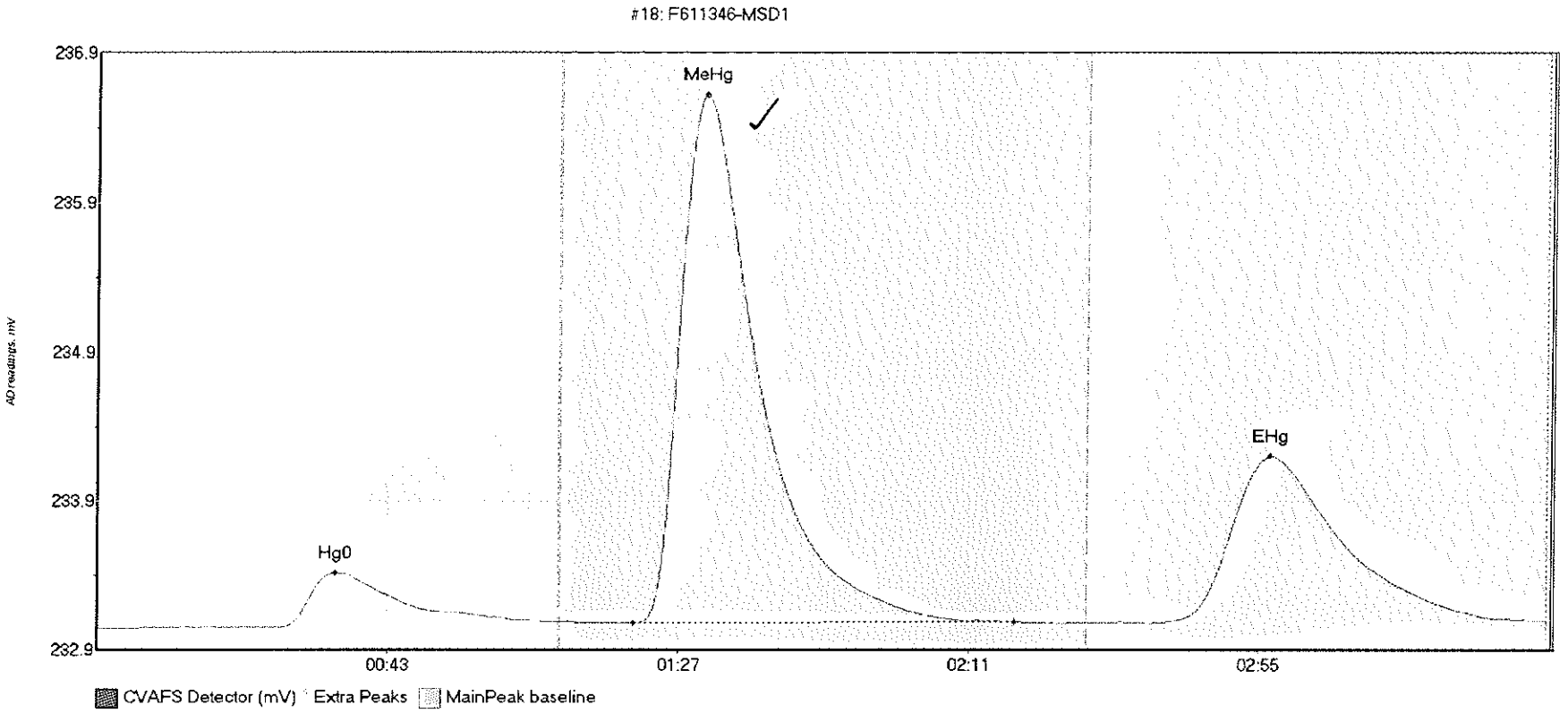


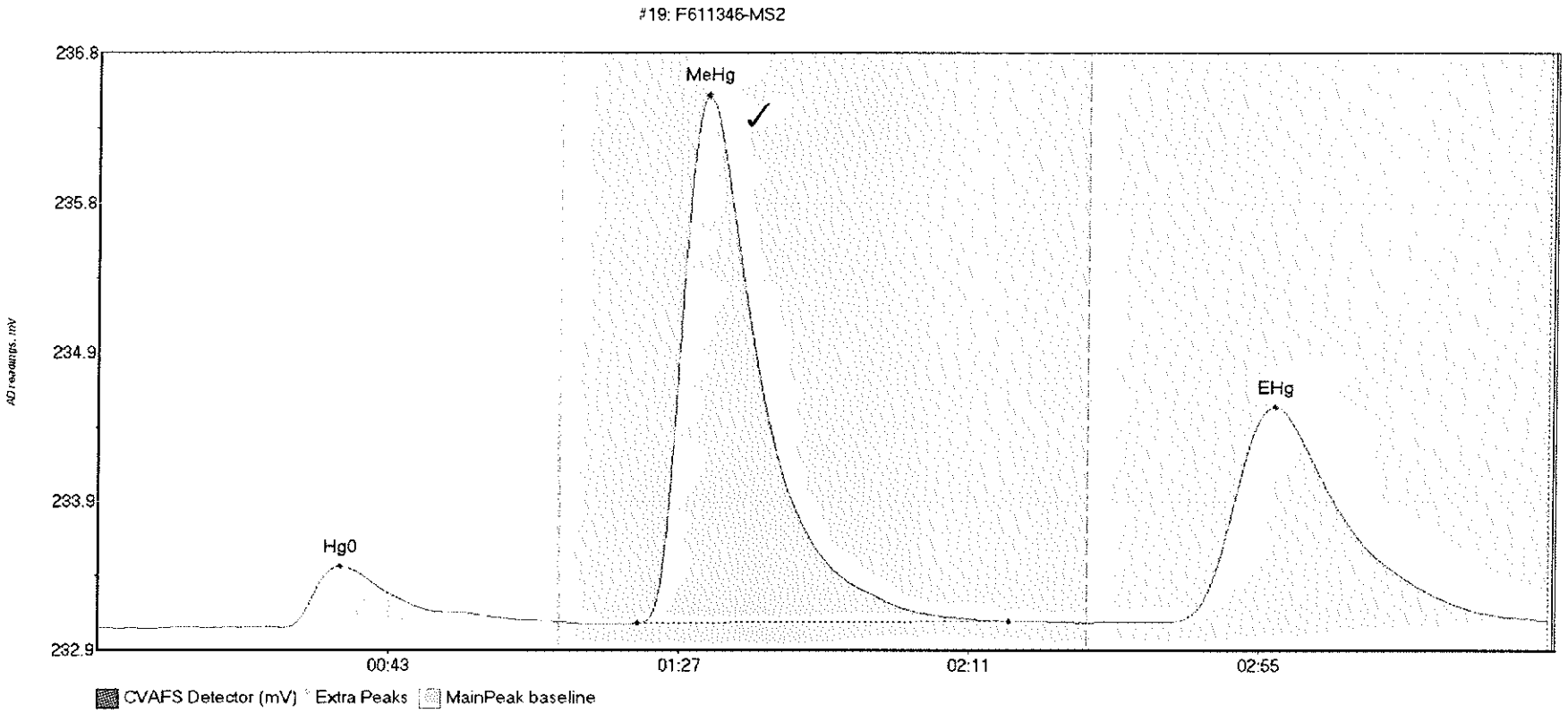
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-DUP1 Hg	41.787	25.6	64.0	233.12	233.15	36.1	0.301	OK	233.1190	0.00	0.03	
F611346-DUP1 Me	46.992	82.0	119.1	233.15	233.16	91.5	0.370	OK	233.1190	0.00	0.03	
F611346-DUP1 EH	170.160	163.0	219.2	233.14	233.15	177.8	0.893	OK	233.1190	0.00	0.03	



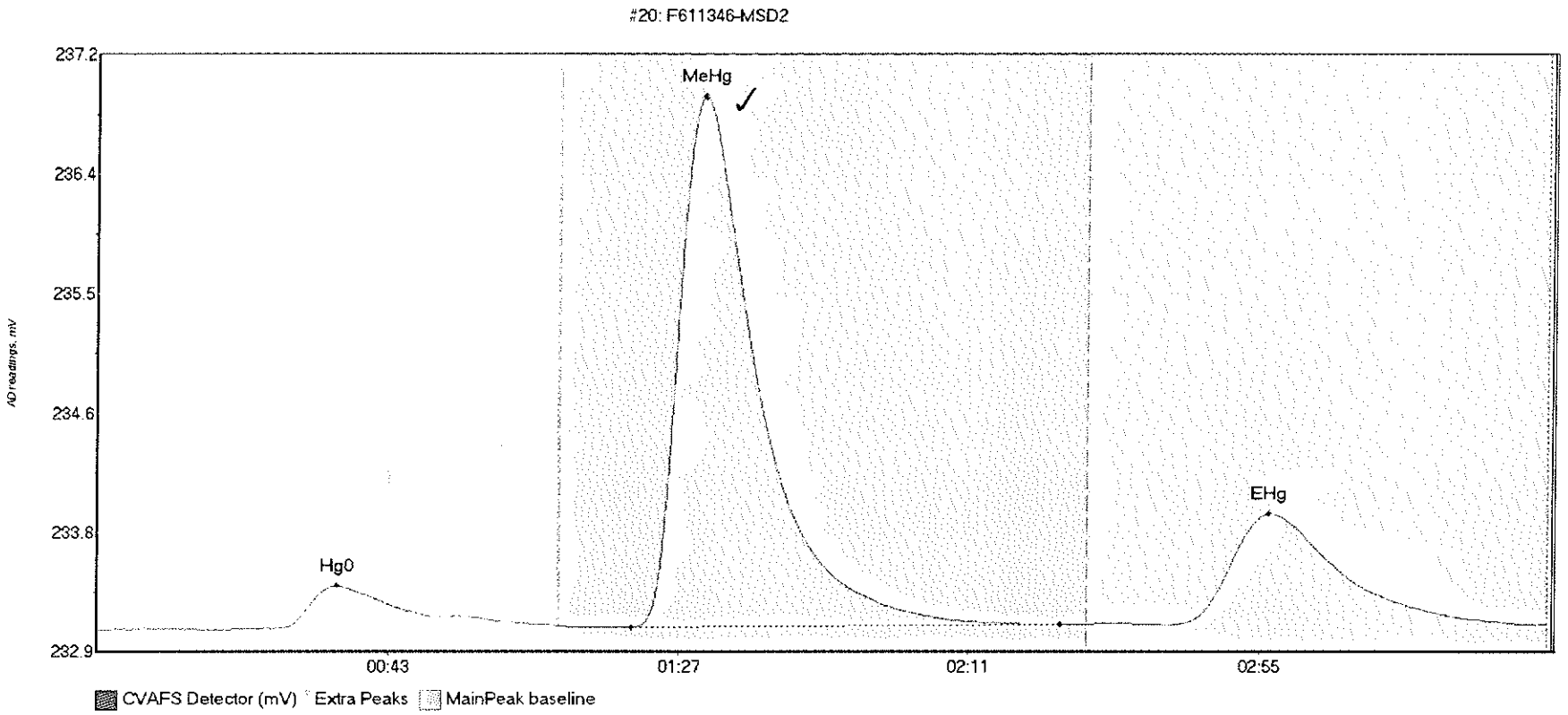
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-MS1 Hg0	59.572	22.7	69.9	233.11	233.14	36.3	0.392	CT	233.1060	0.00	0.04	
F611346-MS1 MeH	502.538	80.6	140.3	233.13	233.15	91.8	3.626	OK	233.1060	0.00	0.04	
F611346-MS1 EHg	197.932	161.1	219.8	233.14	233.15	177.6	1.029	CT	233.1060	0.00	0.04	



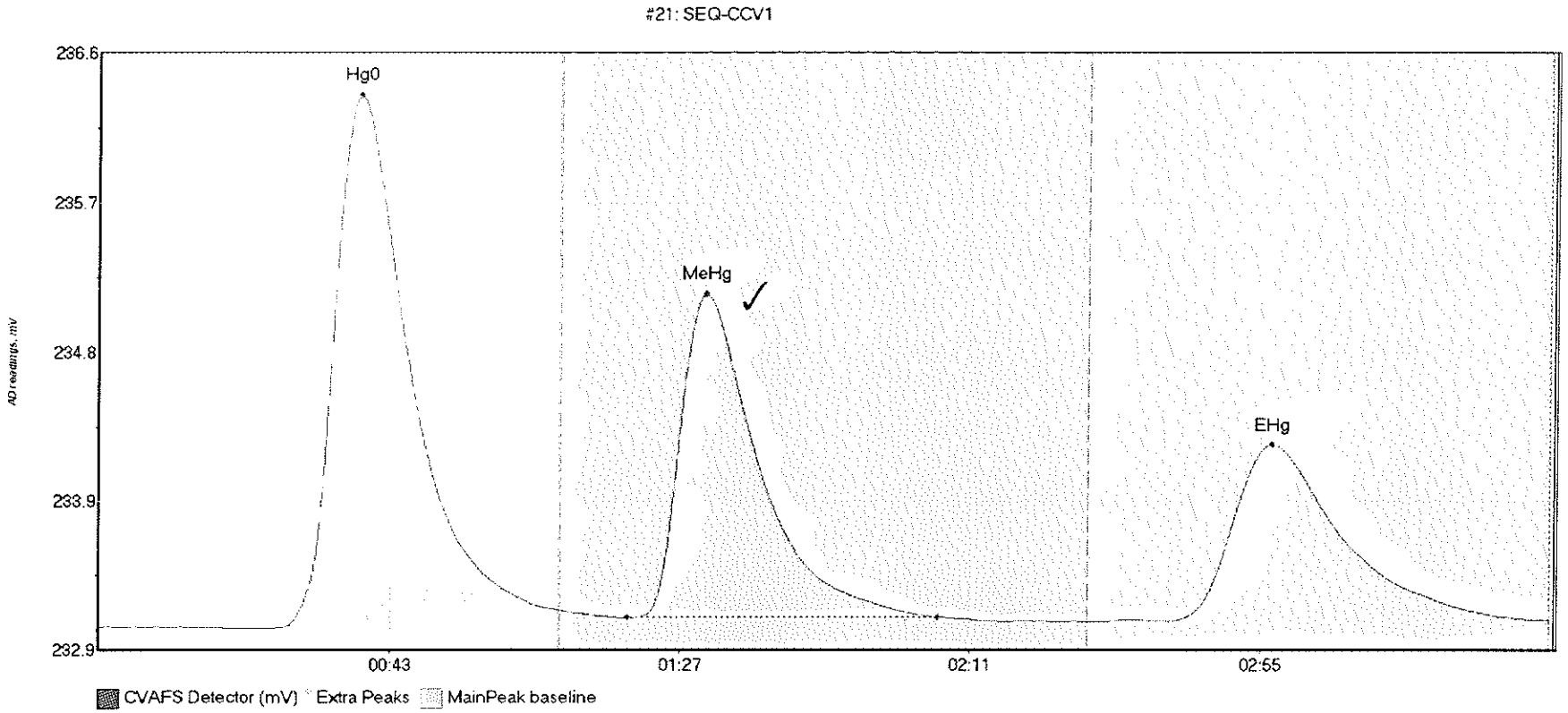
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-MSD1 Hg	54.612	27.6	69.9	233.10	233.13	36.1	0.361	CT	233.0923	0.00	0.05	
F611346-MSD1 Me	482.910	81.2	138.9	233.13	233.13	92.0	3.491	OK	233.0923	0.00	0.05	
F611346-MSD1 EH	208.742	161.3	219.8	233.13	233.14	177.8	1.101	CT	233.0923	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-MS2 Hg0	56.023	28.1	69.9	233.09	233.12	36.7	0.391	CT	233.0889	0.00	0.05	
F611346-MS2 MeH	467.592	81.7	138.0	233.12	233.13	92.2	3.381	OK	233.0889	0.00	0.05	
F611346-MS2 EHg	262.888	162.2	219.8	233.13	233.14	178.4	1.380	CT	233.0889	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611346-MSD2 Hg	48.513	21.6	69.9	233.08	233.10	36.3	0.313	CT	233.0754	0.00	0.04	
F611346-MSD2 Me	532.552	80.9	145.9	233.09	233.11	91.7	3.833	OK	233.0754	0.00	0.04	
F611346-MSD2 EH	153.021	162.2	215.9	233.11	233.11	177.5	0.808	OK	233.0754	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV1 Hg0	429.365	25.9	69.9	233.07	233.18	39.4	3.308	CT	233.0763	0.00	0.04	
SEQ-CCV1 MeHg	274.137	80.2	127.2	233.13	233.14	91.9	2.010	OK	233.0763	0.00	0.04	
SEQ-CCV1 EHg	208.161	162.5	218.8	233.11	233.12	177.8	1.100	OK	233.0763	0.00	0.04	

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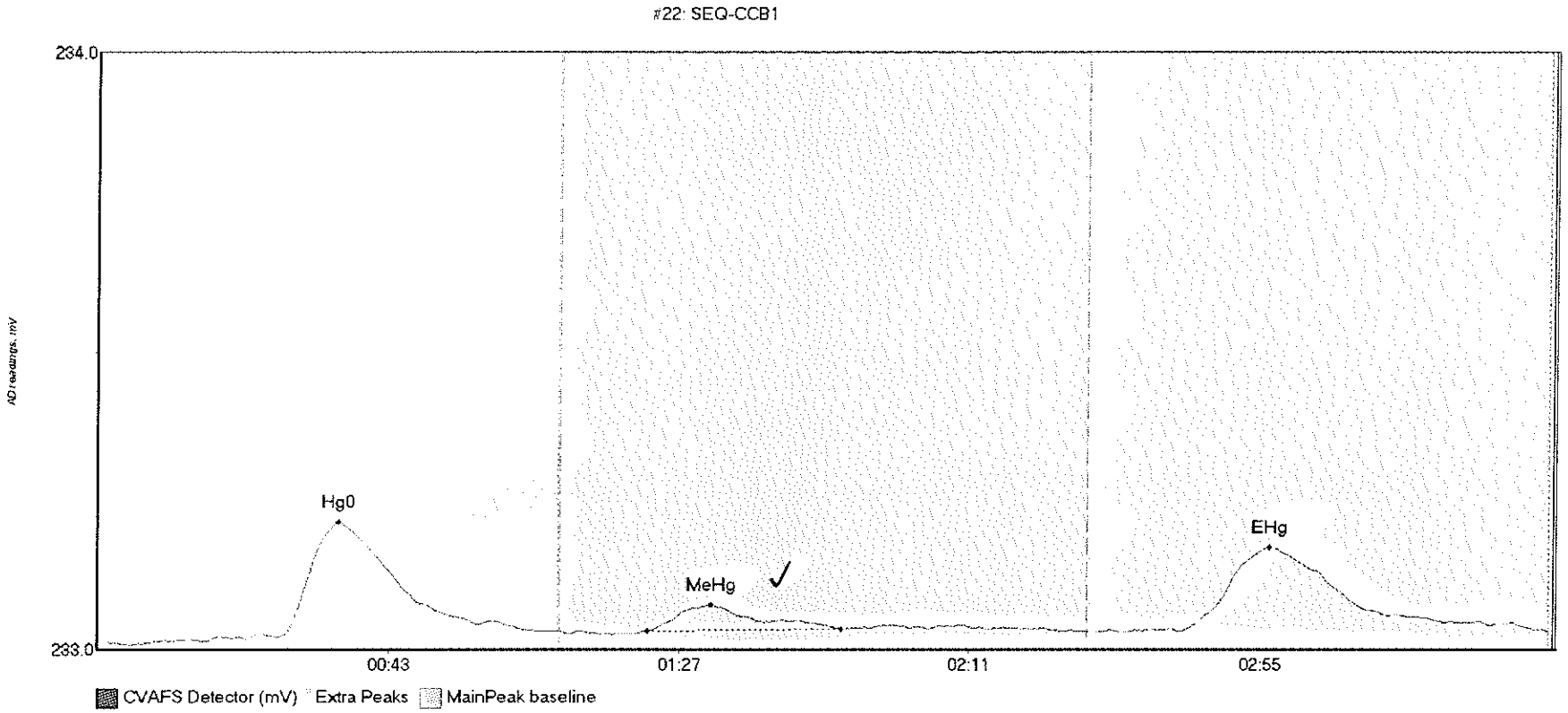
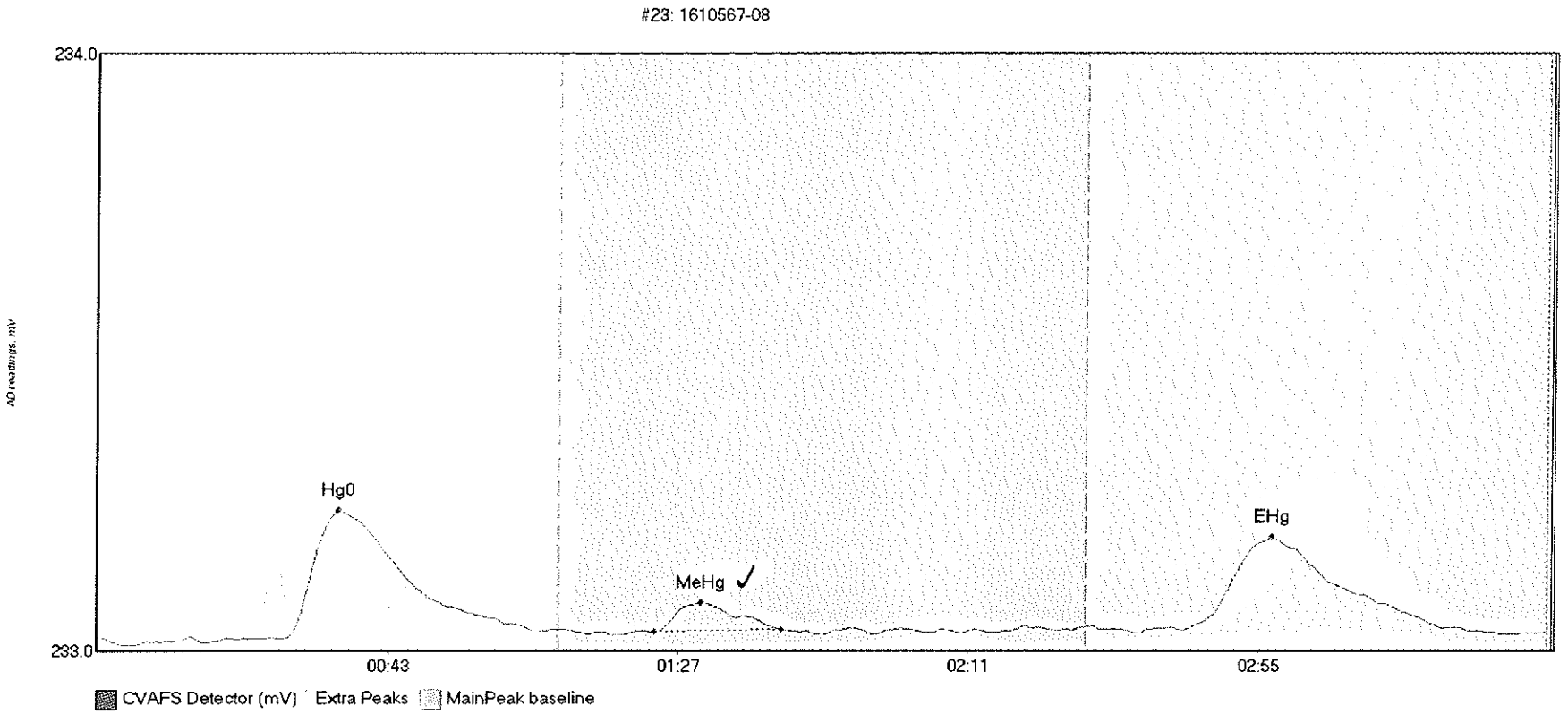
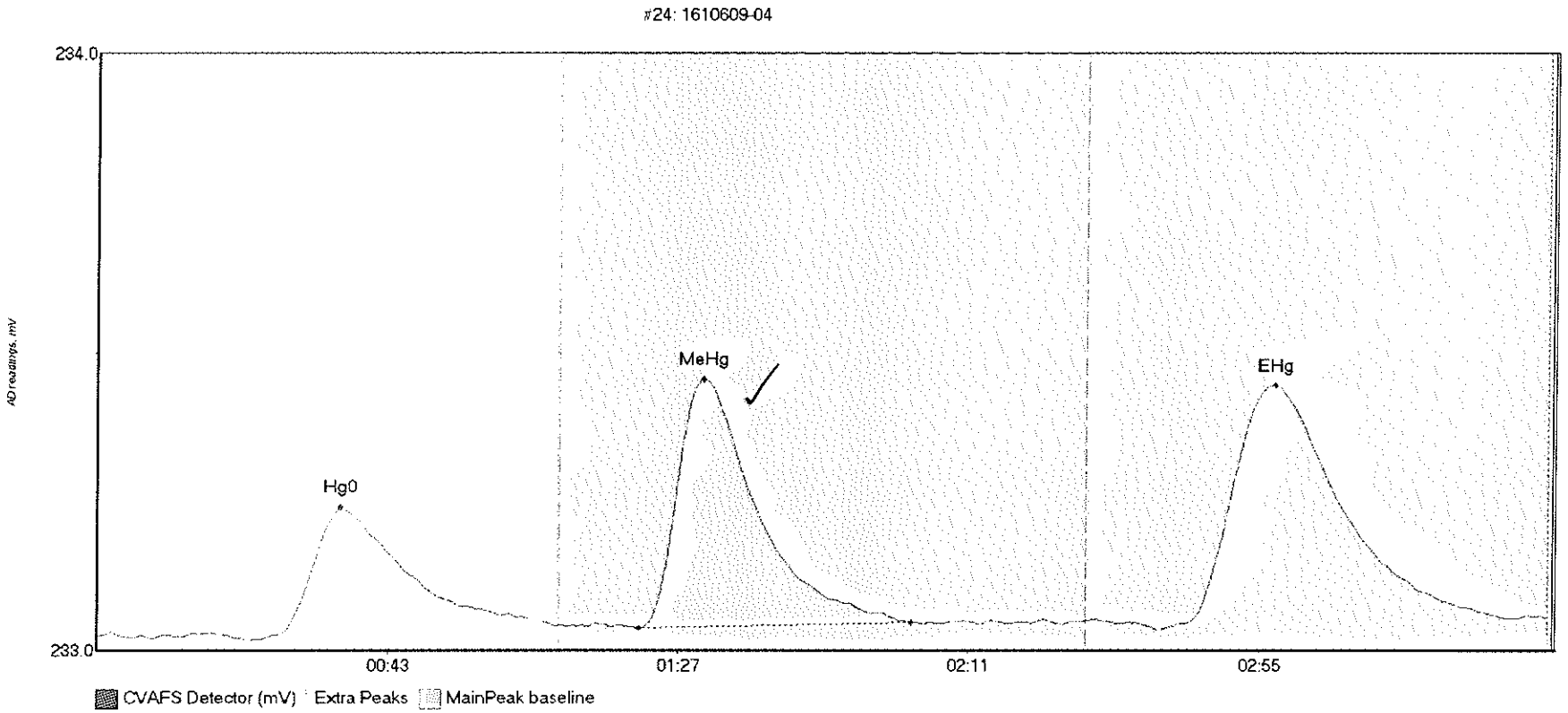


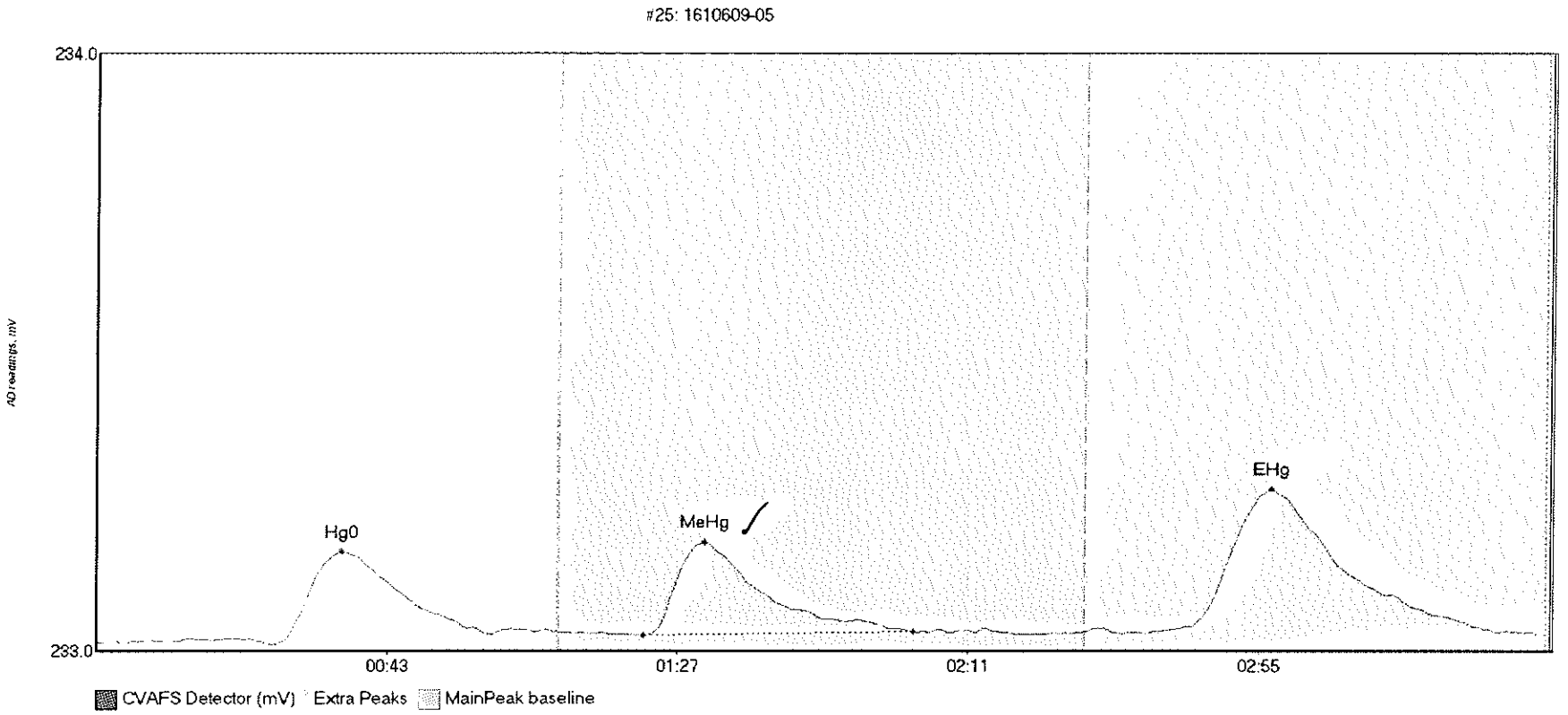
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB1 Hg0	28.665	22.7	66.8	233.06	233.08	36.5	0.197	OK	233.0598	0.00	0.02	
SEQ-CCB1 MeHg	5.708	83.3	112.6	233.08	233.08	92.9	0.043	OK	233.0598	0.00	0.02	
SEQ-CCB1 EHg	27.113	164.6	217.6	233.08	233.08	177.4	0.141	OK	233.0598	0.00	0.02	



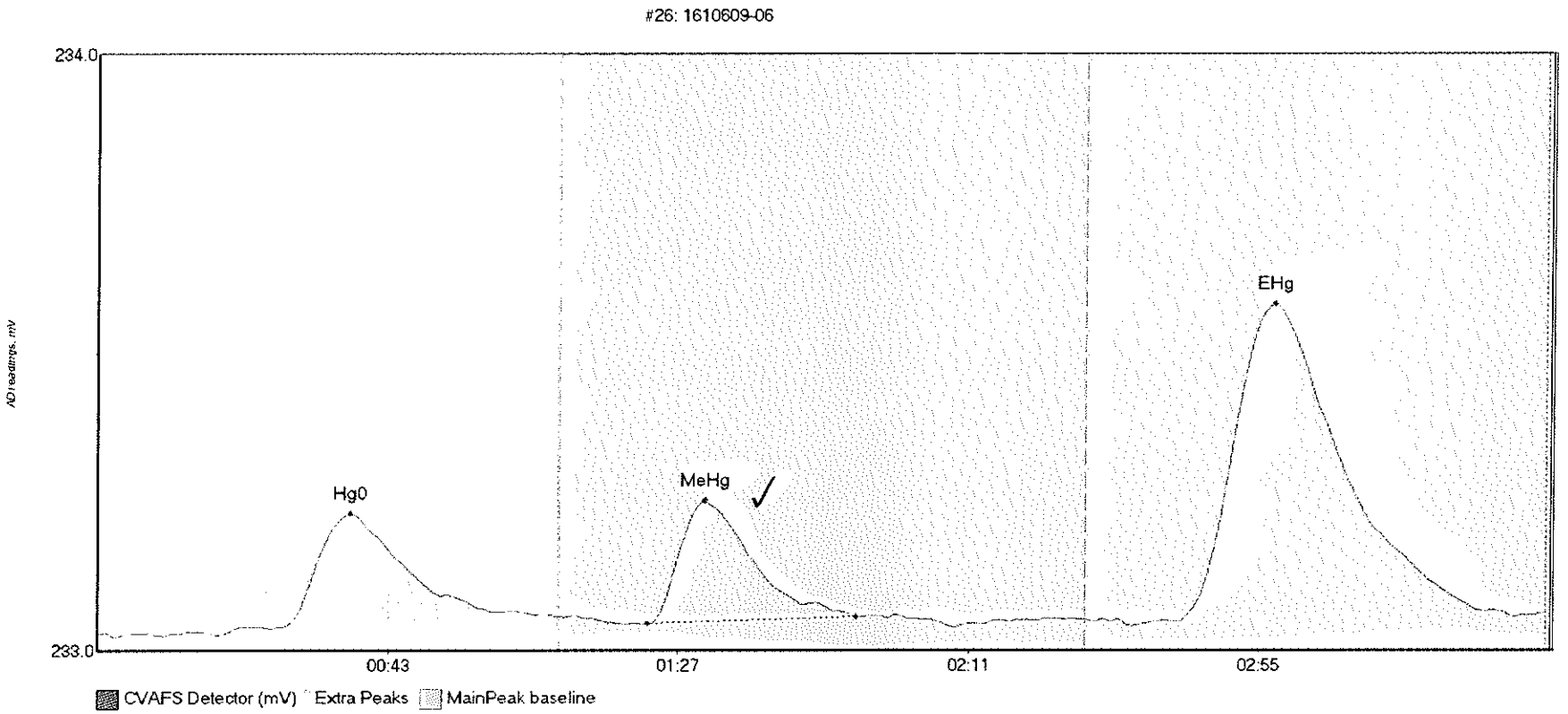
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610567-08 Hg0	32.717	28.6	67.9	233.06	233.07	36.5	0.214	OK	233.0586	0.00	0.01	
1610567-08 MeHg	4.856	84.4	103.6	233.07	233.07	91.4	0.048	OK	233.0586	0.00	0.01	
1610567-08 EHg	27.268	164.7	204.2	233.07	233.07	178.0	0.154	OK	233.0586	0.00	0.01	



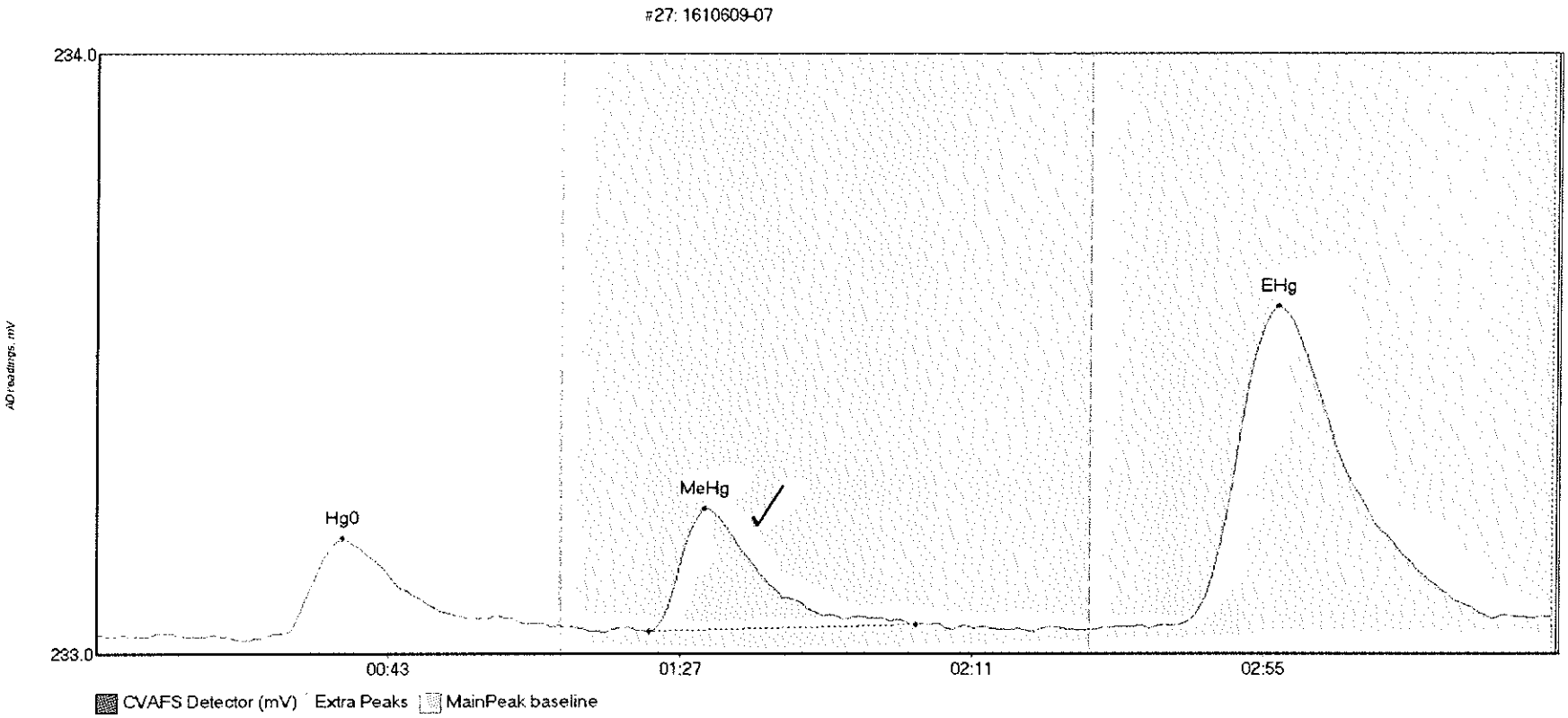
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610609-04 Hg0	33.496	27.2	69.4	233.04	233.06	36.9	0.214	OK	233.0431	0.00	0.03	
1610609-04 MeHg	57.338	82.2	123.3	233.06	233.07	91.8	0.417	OK	233.0431	0.00	0.03	
1610609-04 EHg	73.906	165.0	212.9	233.06	233.07	178.3	0.400	OK	233.0431	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610609-05 Hg0	22.828	27.2	59.6	233.04	233.06	37.1	0.157	OK	233.0438	0.00	0.01	
1610609-05 MeHg	23.188	82.9	123.8	233.06	233.06	92.1	0.156	OK	233.0438	0.00	0.01	
1610609-05 EHg	43.031	163.3	210.5	233.07	233.07	177.9	0.234	OK	233.0438	0.00	0.01	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610609-06 Hg0	30.685	18.3	69.8	233.03	233.06	38.3	0.204	OK	233.0337	0.00	0.03	
1610609-06 MeHg	25.554	83.5	115.0	233.05	233.06	92.1	0.206	OK	233.0337	0.00	0.03	
1610609-06 EHg	100.460	163.9	215.2	233.05	233.06	178.5	0.533	OK	233.0337	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610609-07 Hg0	23.354	27.9	68.8	233.04	233.05	37.2	0.157	OK	233.0389	0.00	0.03	
1610609-07 MeHg	27.461	83.3	123.6	233.04	233.06	91.8	0.205	OK	233.0389	0.00	0.03	
1610609-07 EHg	99.017	159.0	210.8	233.05	233.07	178.2	0.536	OK	233.0389	0.00	0.03	

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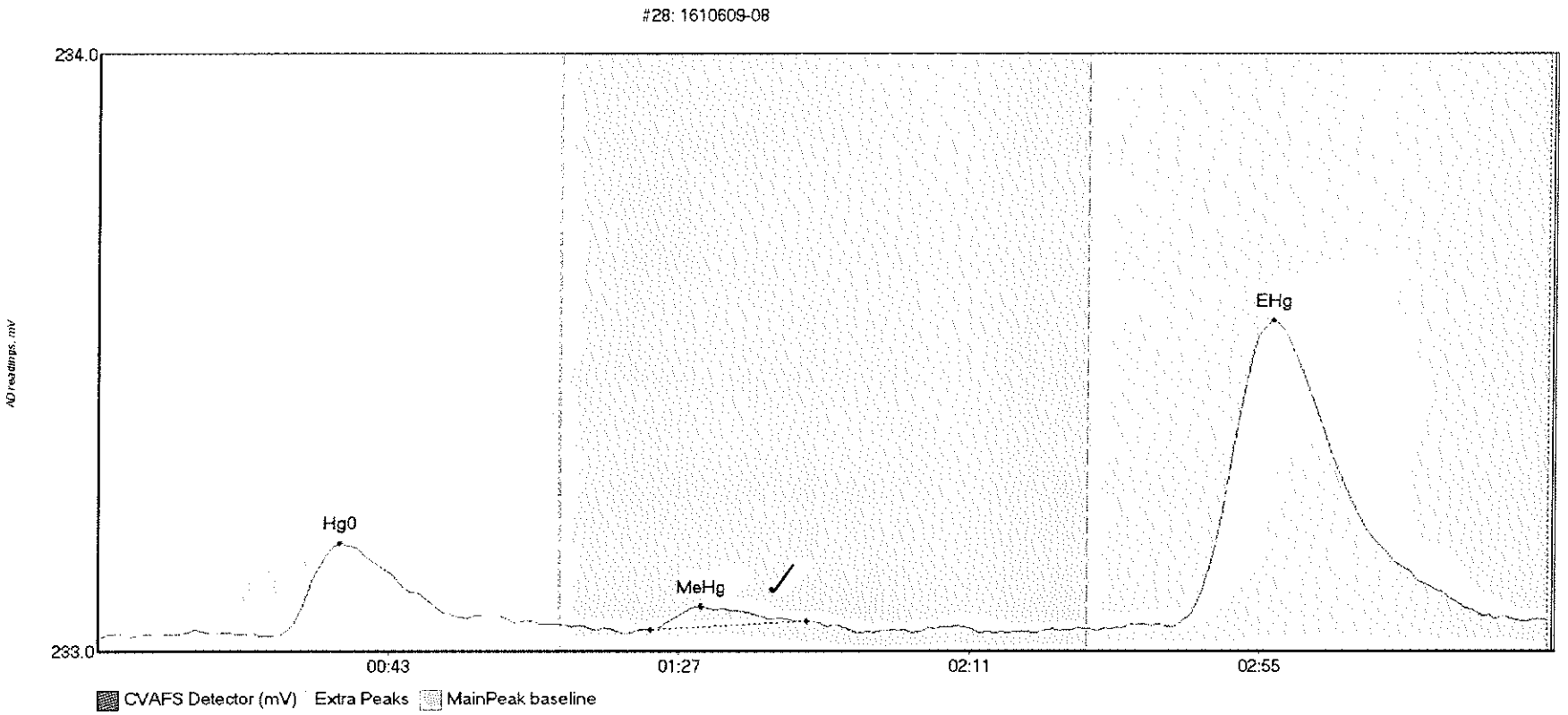

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610609-08 Hg0	23.386	27.3	68.4	233.03	233.05	36.7	0.154	OK	233.0305	0.00	0.03	
1610609-08 MeHg	4.181	83.8	107.5	233.04	233.06	91.4	0.040	OK	233.0305	0.00	0.03	
1610609-08 EHg	96.595	163.0	216.5	233.05	233.06	178.1	0.512	OK	233.0305	0.00	0.03	

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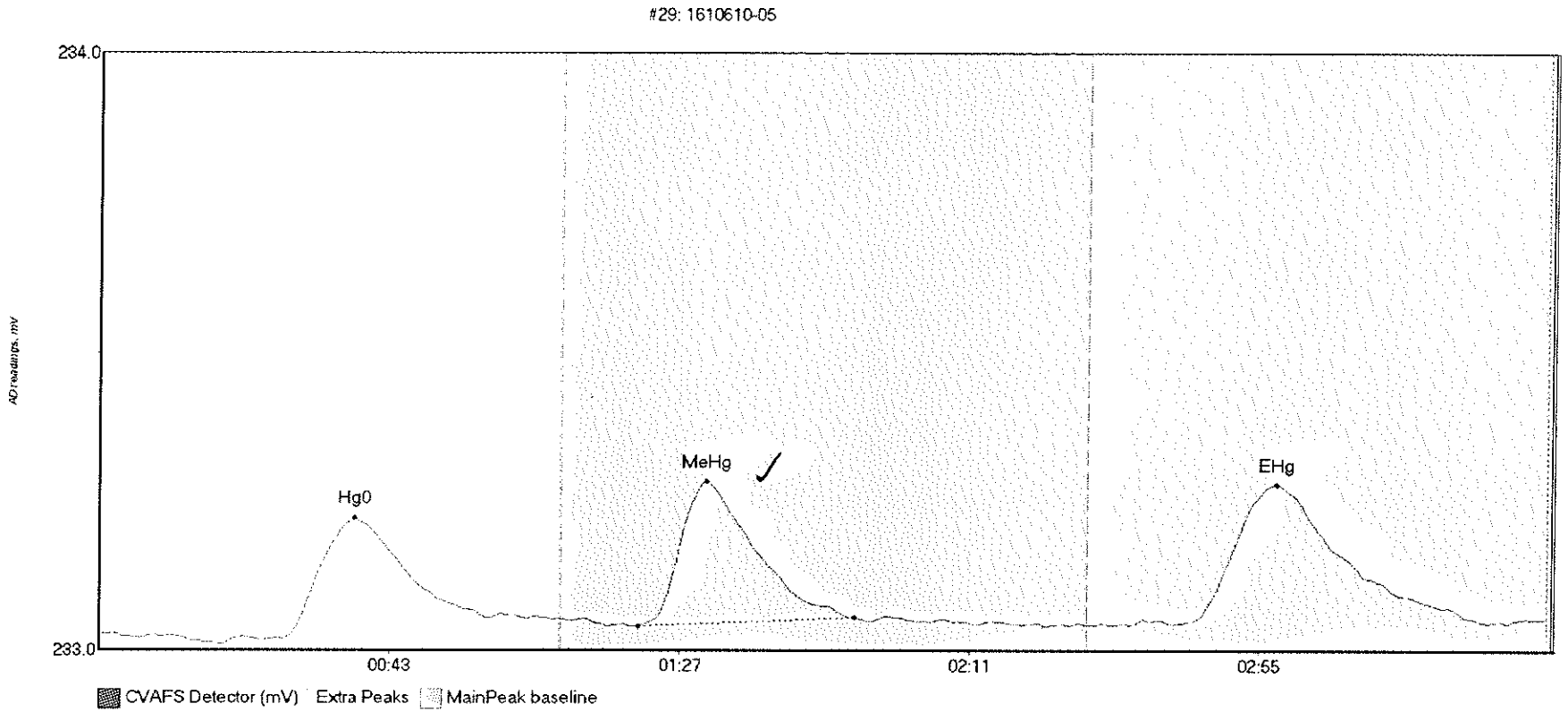
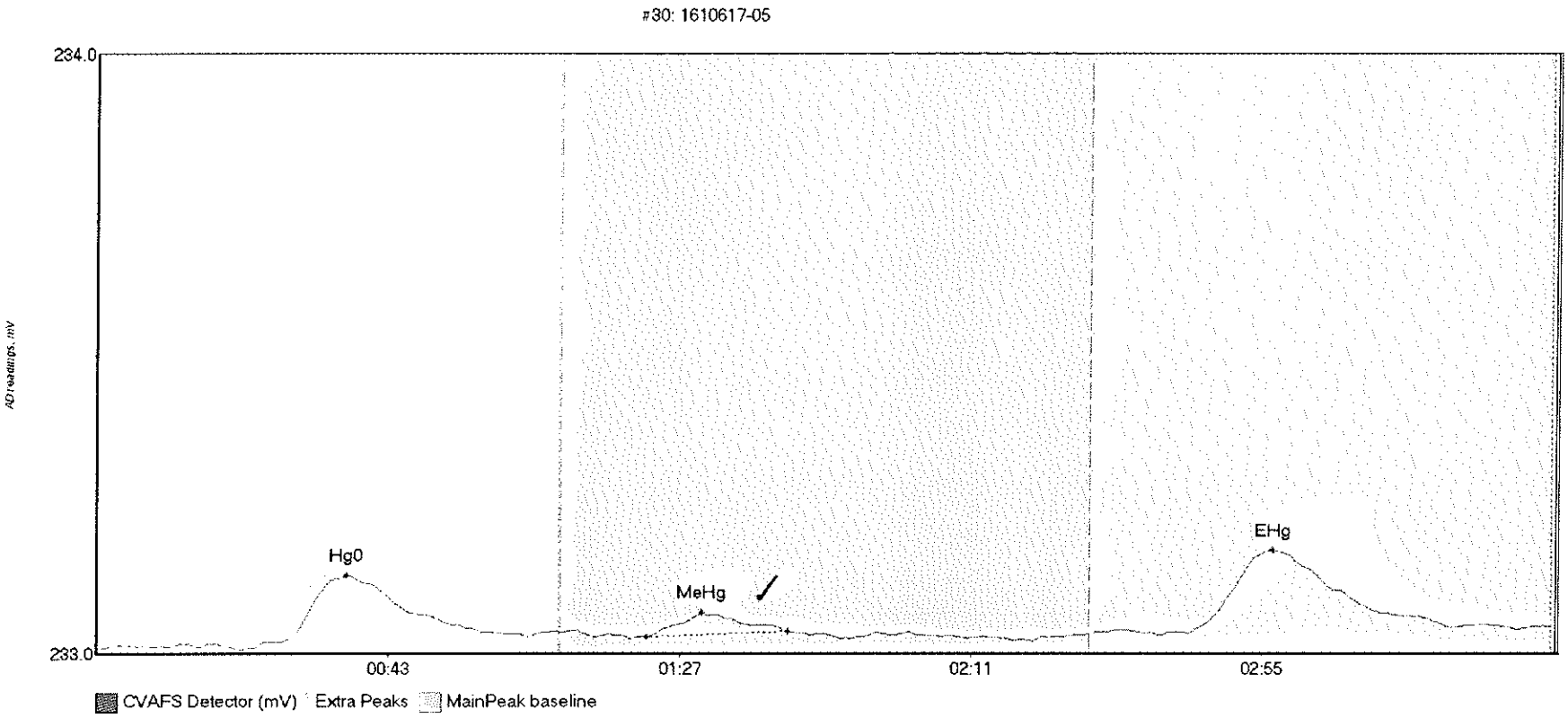
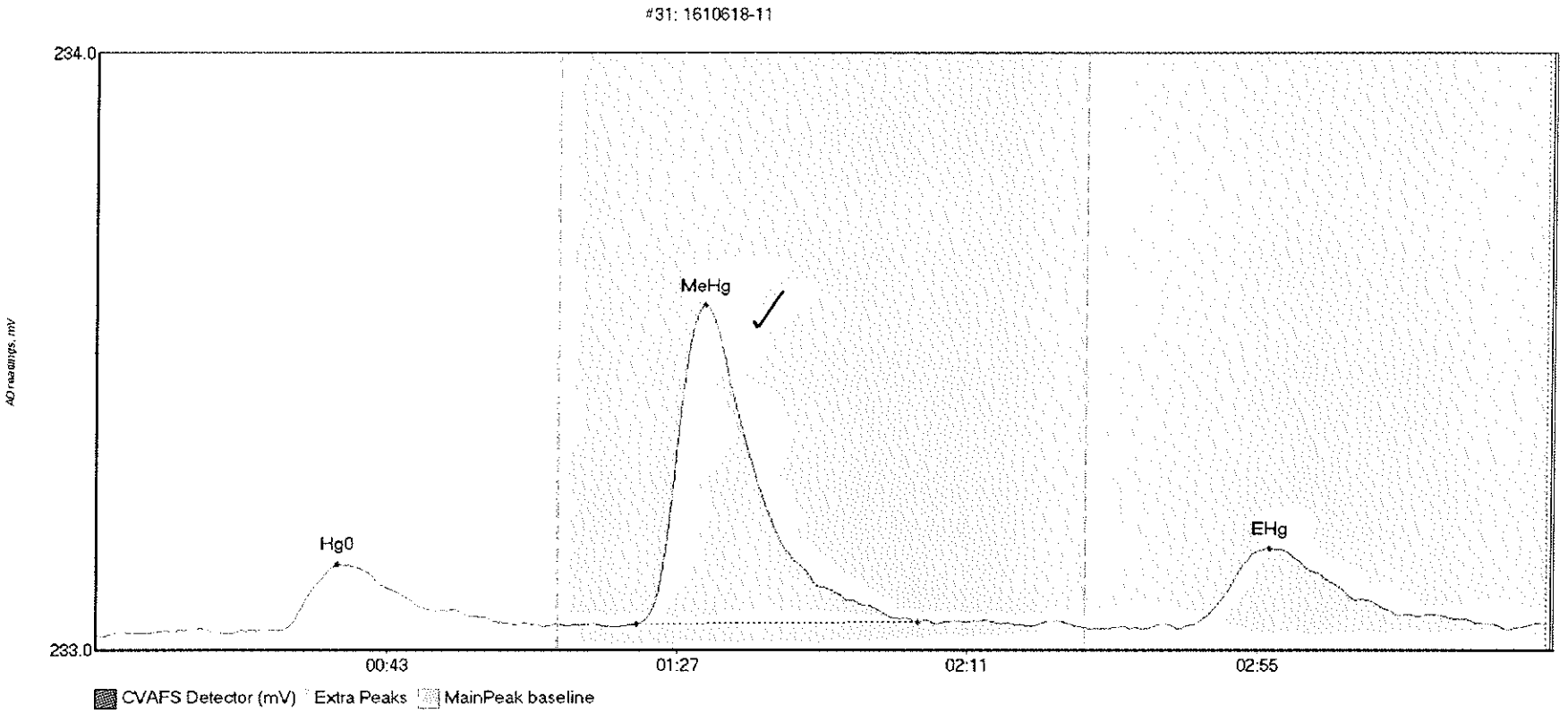


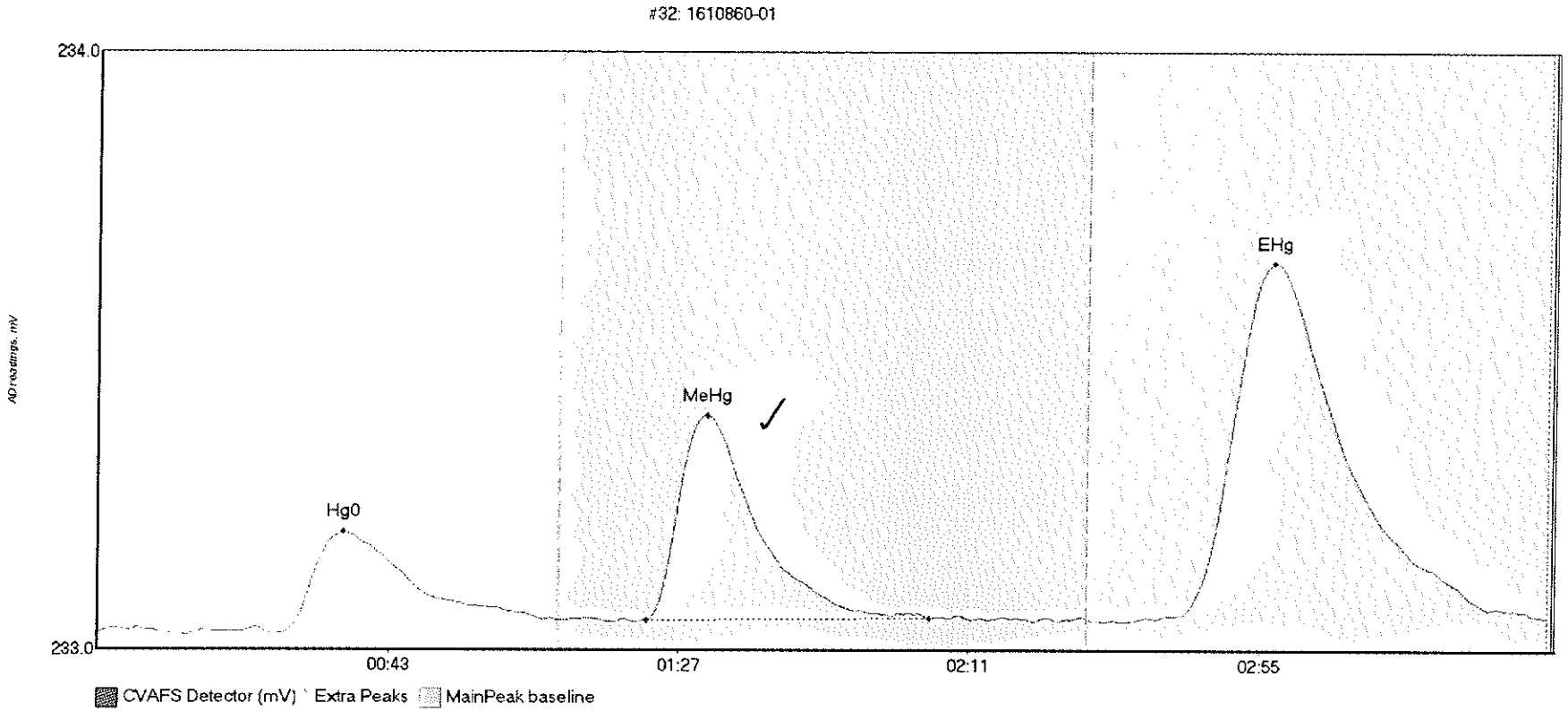
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610610-05 Hg0	29.440	27.7	68.7	233.02	233.05	38.7	0.202	OK	233.0293	0.00	0.03	
1610610-05 MeHg	30.959	81.7	114.6	233.04	233.06	92.0	0.243	OK	233.0293	0.00	0.03	
1610610-05 EHg	42.845	164.0	210.3	233.05	233.05	178.6	0.233	OK	233.0293	0.00	0.03	



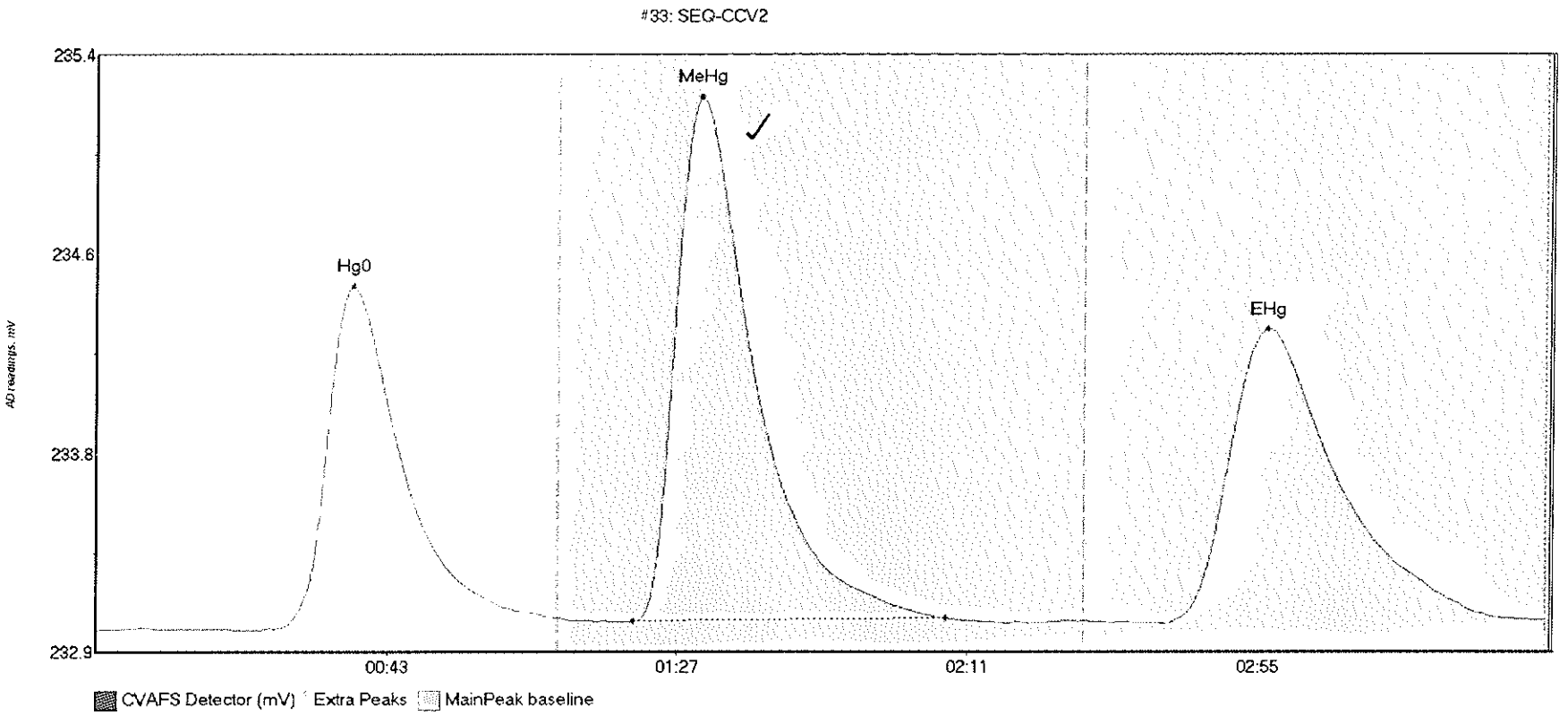
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610617-05 Hg0	18.725	23.3	65.1	233.02	233.04	37.7	0.122	OK	233.0174	0.00	0.04	
1610617-05 MeHg	3.948	83.0	104.5	233.04	233.04	91.3	0.039	OK	233.0174	0.00	0.04	
1610617-05 EHg	25.047	164.9	214.6	233.04	233.05	177.7	0.140	OK	233.0174	0.00	0.04	



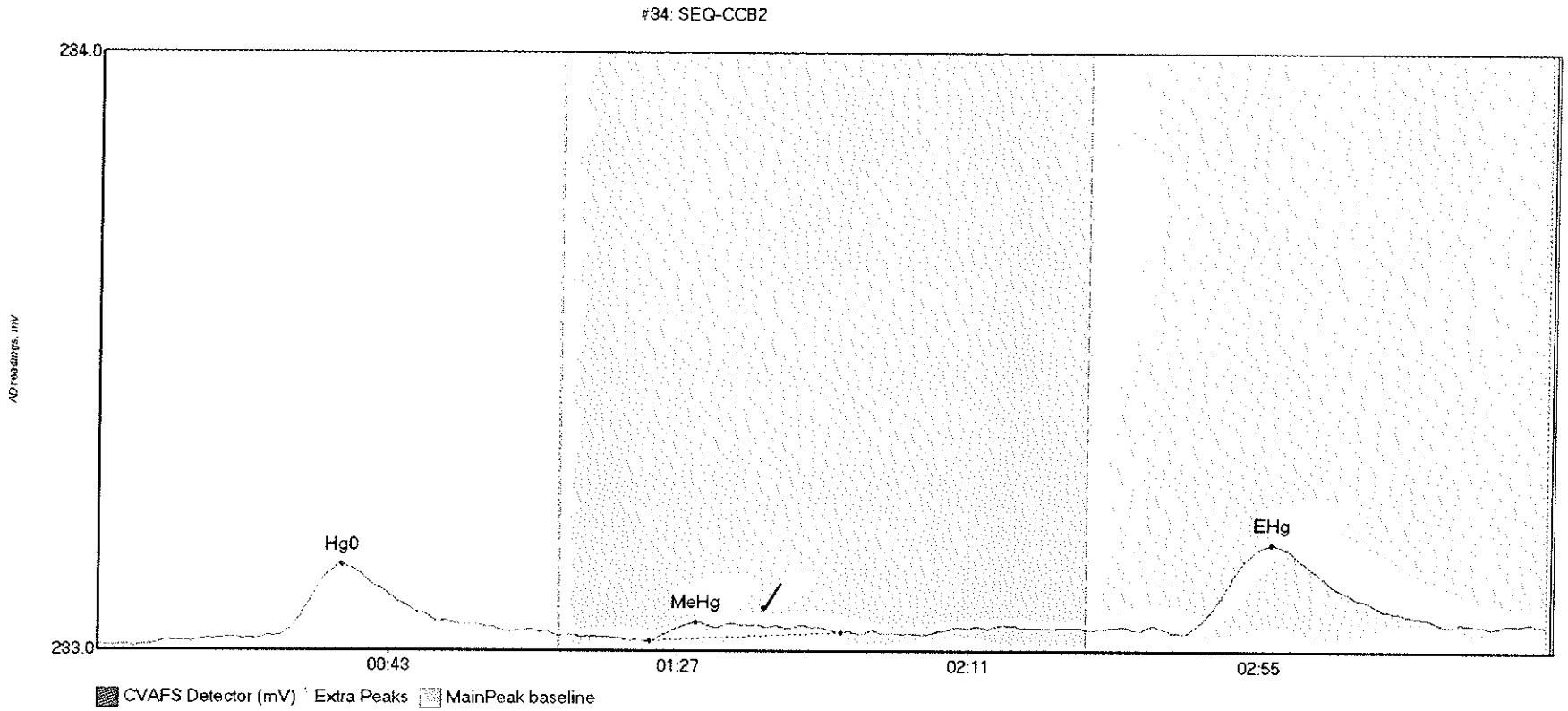
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-11 Hg0	18.754	20.2	67.8	233.03	233.04	36.5	0.115	OK	233.0220	0.00	0.02	
1610618-11 MeHg	72.148	81.9	124.6	233.04	233.05	92.0	0.534	OK	233.0220	0.00	0.02	
1610618-11 EHg	27.056	164.1	213.9	233.03	233.03	177.9	0.135	OK	233.0220	0.00	0.02	



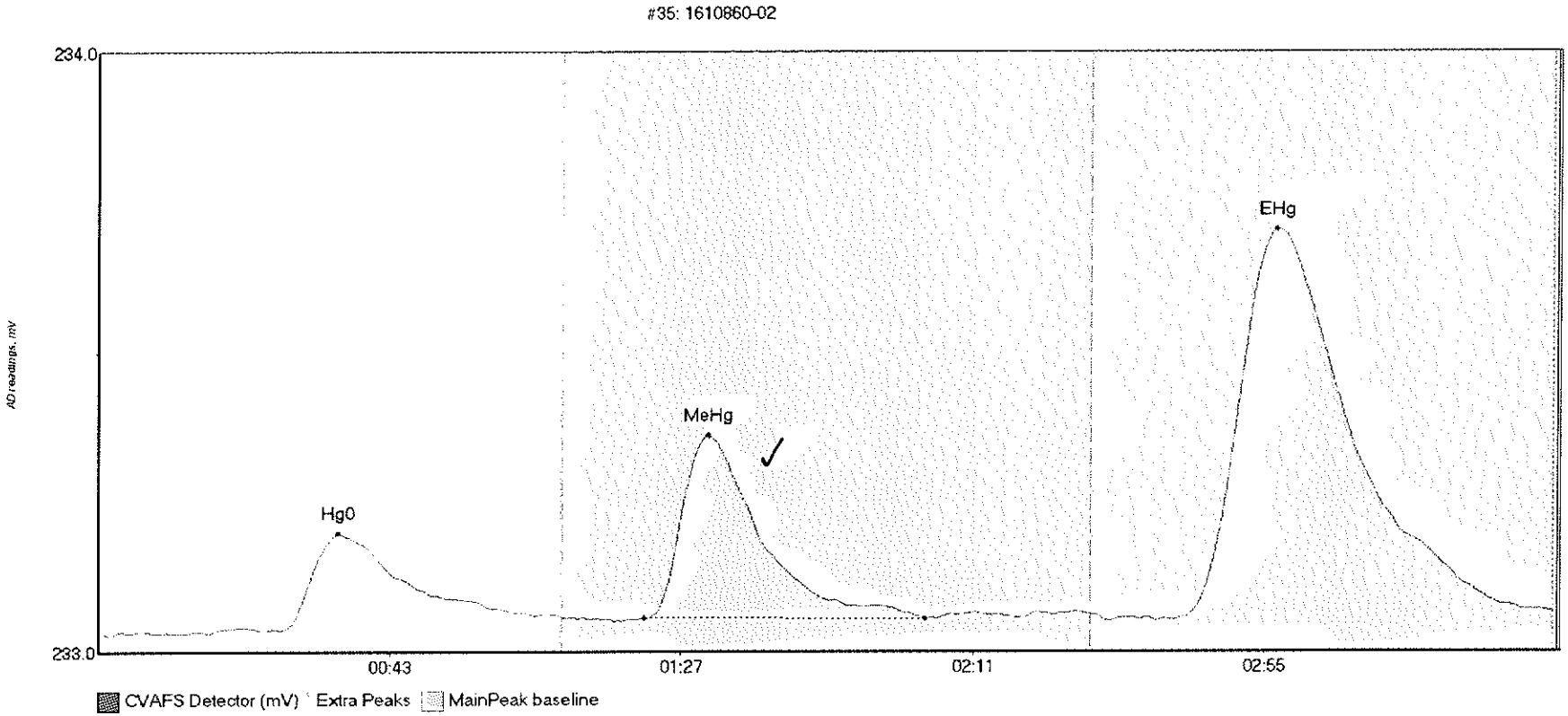
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-01 Hg0	27.565	27.0	69.9	233.02	233.04	37.1	0.170	CT	233.0242	0.00	0.02	
1610860-01 MeHg	46.245	83.1	126.2	233.04	233.05	92.1	0.343	OK	233.0242	0.00	0.02	
1610860-01 EHg	113.915	160.6	219.2	233.05	233.05	178.1	0.595	OK	233.0242	0.00	0.02	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV2 Hg0	182.776	27.1	69.9	233.03	233.07	38.8	1.429	CT	233.0252	0.00	0.04	
SEQ-CCV2 MeHg	300.092	81.4	128.7	233.06	233.07	91.6	2.185	OK	233.0252	0.00	0.04	
SEQ-CCV2 EHg	232.168	162.1	217.9	233.05	233.07	177.5	1.229	OK	233.0252	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB2 Hg0	21.552	8.3	69.7	233.02	233.03	37.0	0.134	OK	233.0179	0.00	0.03	
SEQ-CCB2 MeHg	4.550	83.7	112.7	233.03	233.04	90.8	0.031	OK	233.0179	0.00	0.03	
SEQ-CCB2 EHg	27.167	164.7	211.4	233.04	233.05	177.9	0.149	OK	233.0179	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-02 Hg0	25.393	16.7	69.9	233.01	233.04	36.3	0.167	CT	233.0117	0.00	0.04	
1610860-02 MeHg	41.665	82.4	124.8	233.04	233.04	92.1	0.306	OK	233.0117	0.00	0.04	
1610860-02 EHg	123.160	164.1	219.6	233.04	233.05	177.9	0.646	OK	233.0117	0.00	0.04	

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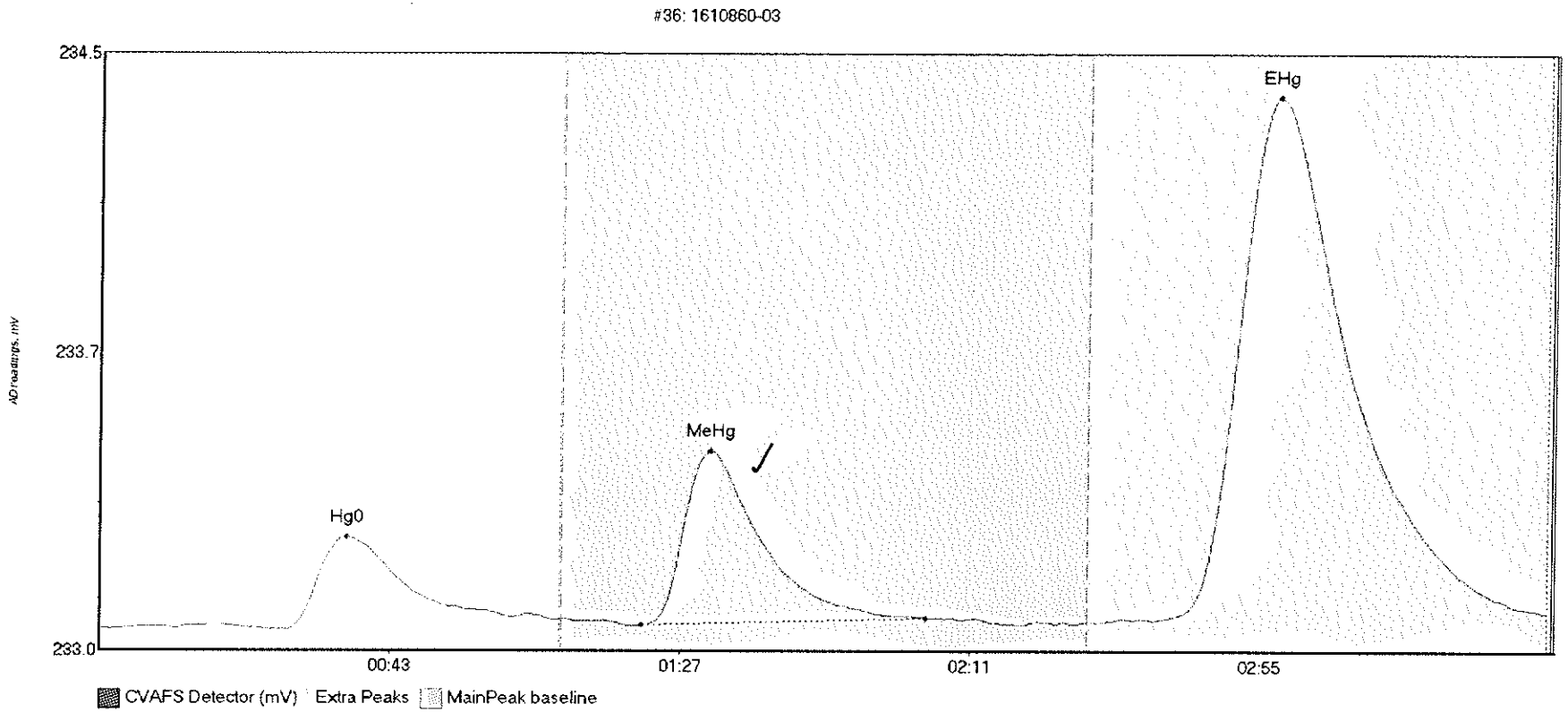
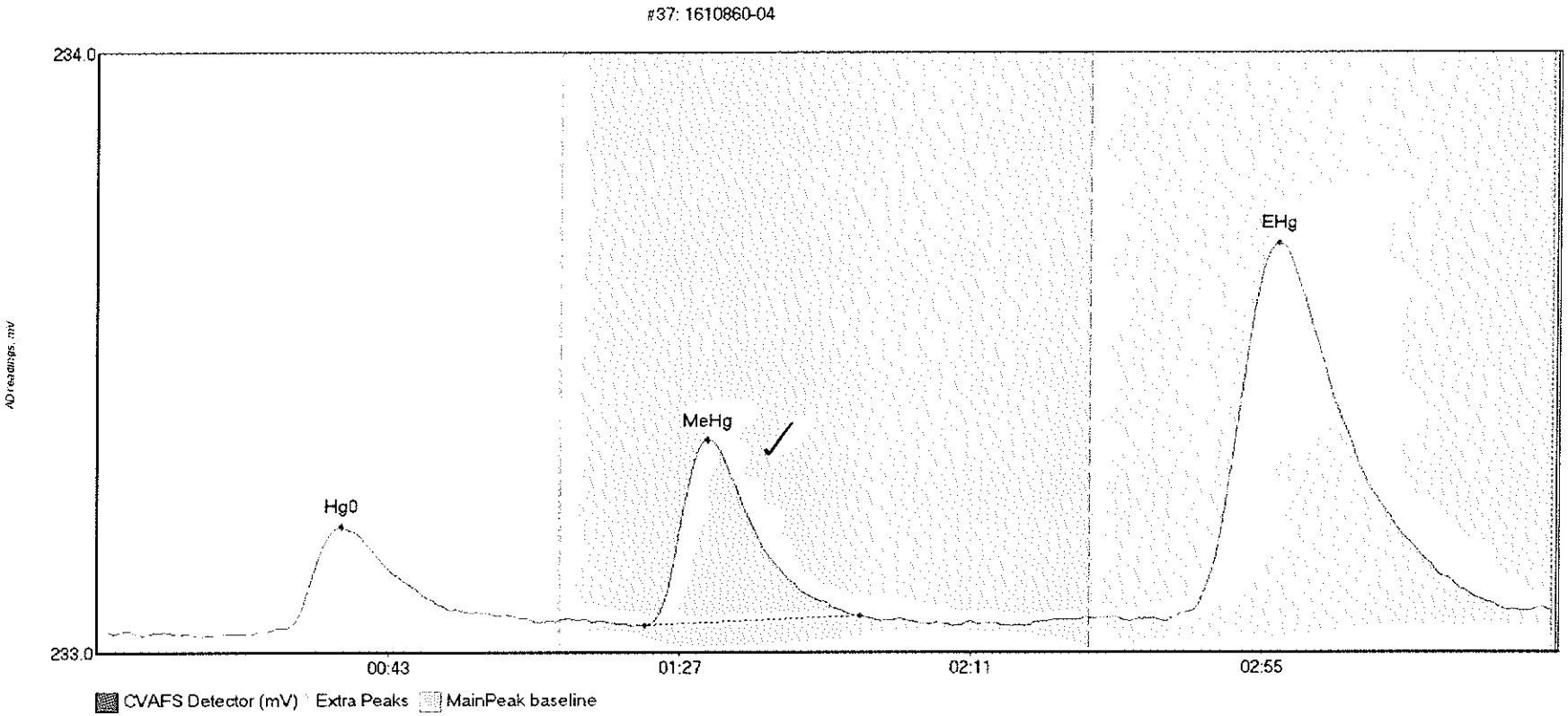


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-03 Hg0	34.089	28.4	68.9	233.02	233.04	37.6	0.234	OK	233.0222	0.00	0.04	
1610860-03 MeHg	59.415	82.1	125.5	233.03	233.05	92.6	0.442	OK	233.0222	0.00	0.04	
1610860-03 EHg	251.122	160.0	219.8	233.04	233.06	178.6	1.326	CT	233.0222	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-04 Hg0	25.484	25.1	67.0	233.02	233.04	36.8	0.175	OK	233.0253	0.00	0.04	
1610860-04 MeHg	38.583	82.8	115.3	233.04	233.05	92.2	0.310	OK	233.0253	0.00	0.04	
1610860-04 EHg	118.083	161.5	216.2	233.04	233.06	178.4	0.631	OK	233.0253	0.00	0.04	

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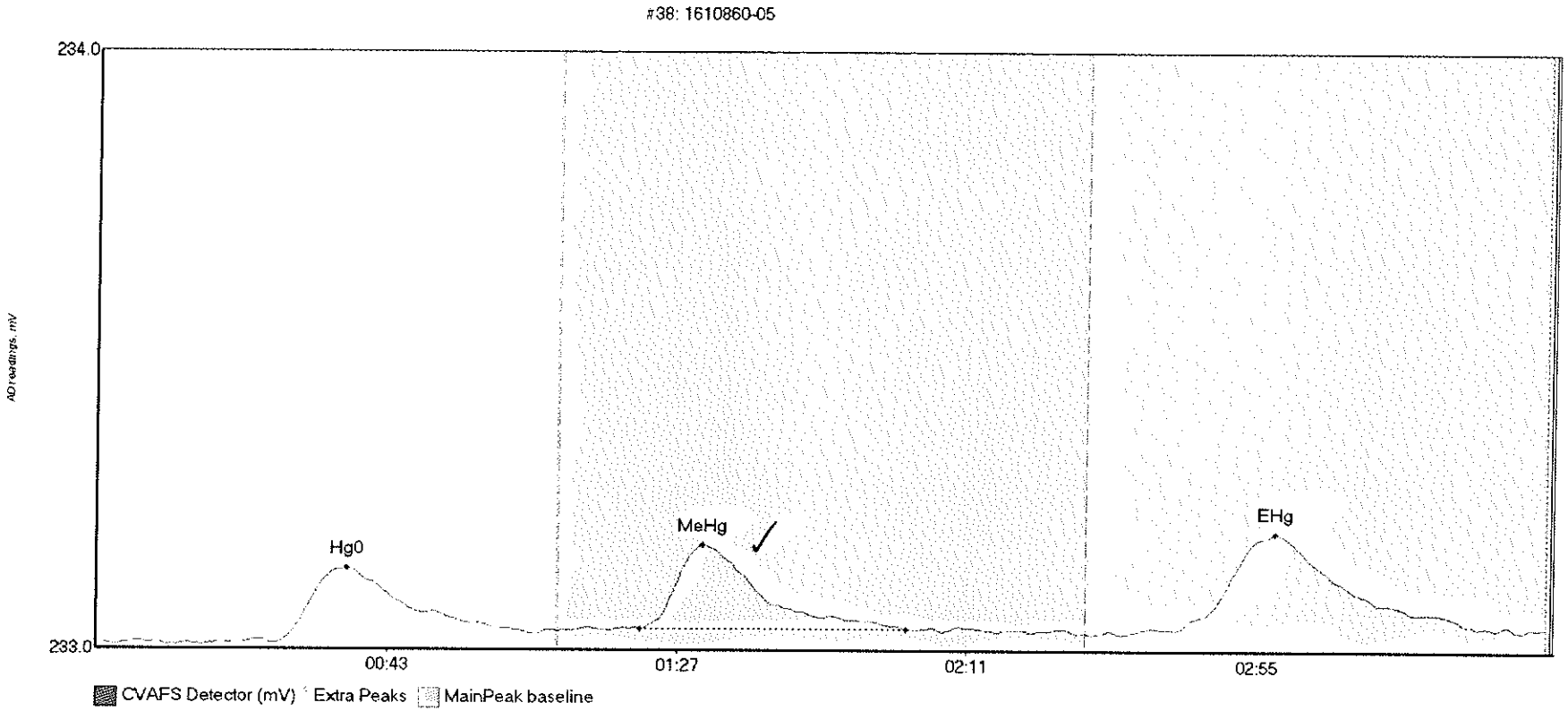
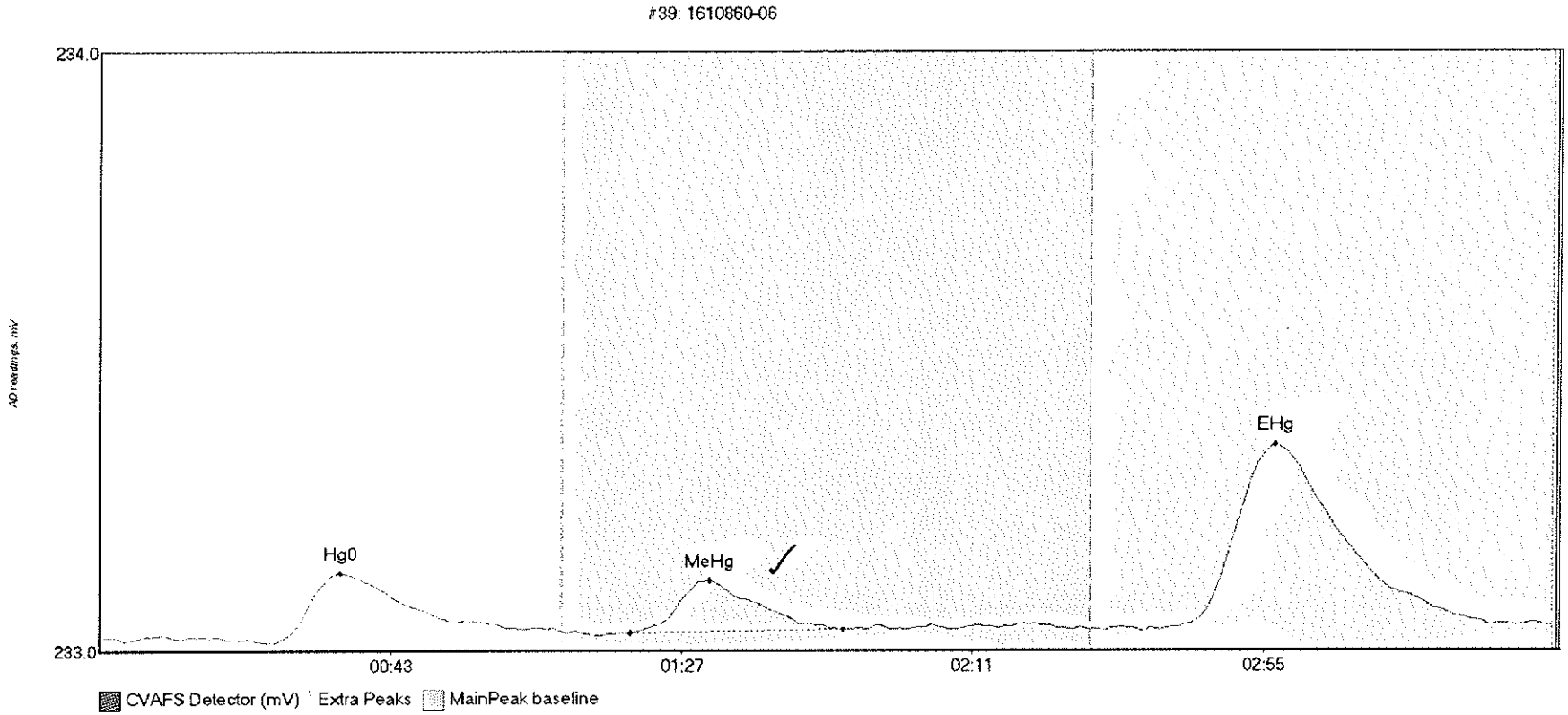


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-05 Hg0	19.895	27.3	66.8	233.01	233.03	37.9	0.125	OK	233.0145	0.00	0.03	
1610860-05 MeHg	20.242	82.5	122.9	233.04	233.04	91.8	0.141	OK	233.0145	0.00	0.03	
1610860-05 EHg	34.068	155.4	216.2	233.03	233.04	178.7	0.169	OK	233.0145	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-06 Hg0	19.106	26.3	69.9	233.01	233.03	36.4	0.116	CT	233.0181	0.00	0.02	
1610860-06 MeHg	11.405	80.3	112.4	233.03	233.03	92.1	0.088	OK	233.0181	0.00	0.02	
1610860-06 EHg	56.120	163.0	219.4	233.04	233.04	177.7	0.305	OK	233.0181	0.00	0.02	

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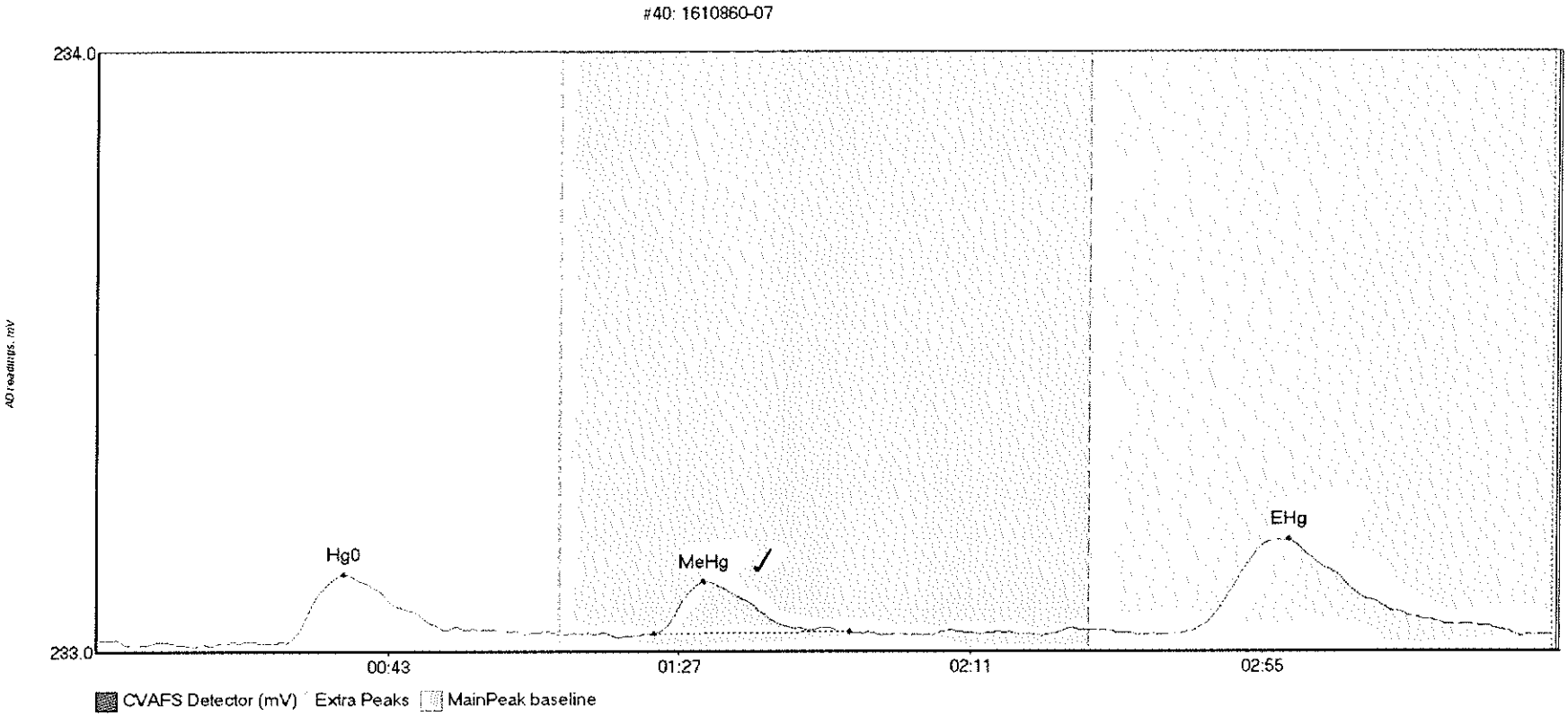
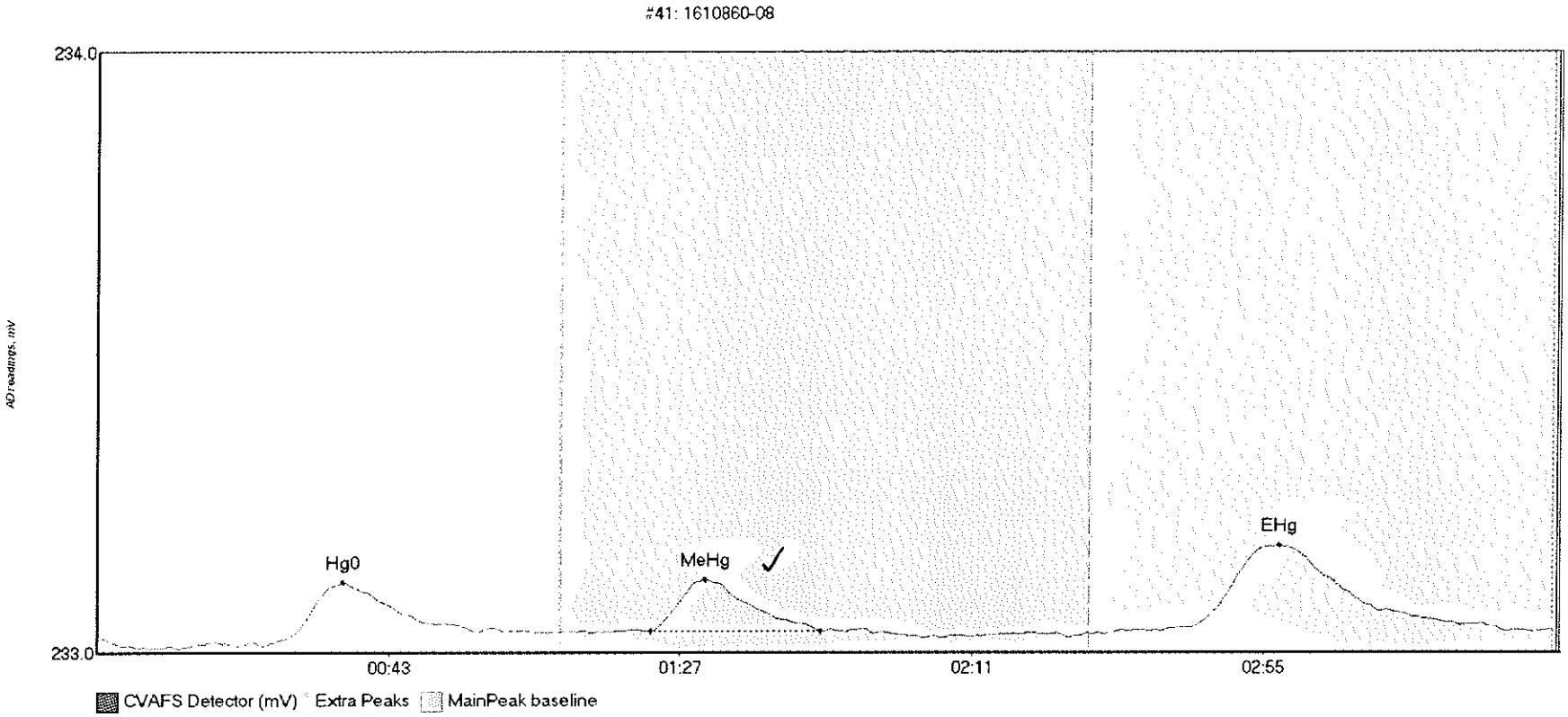
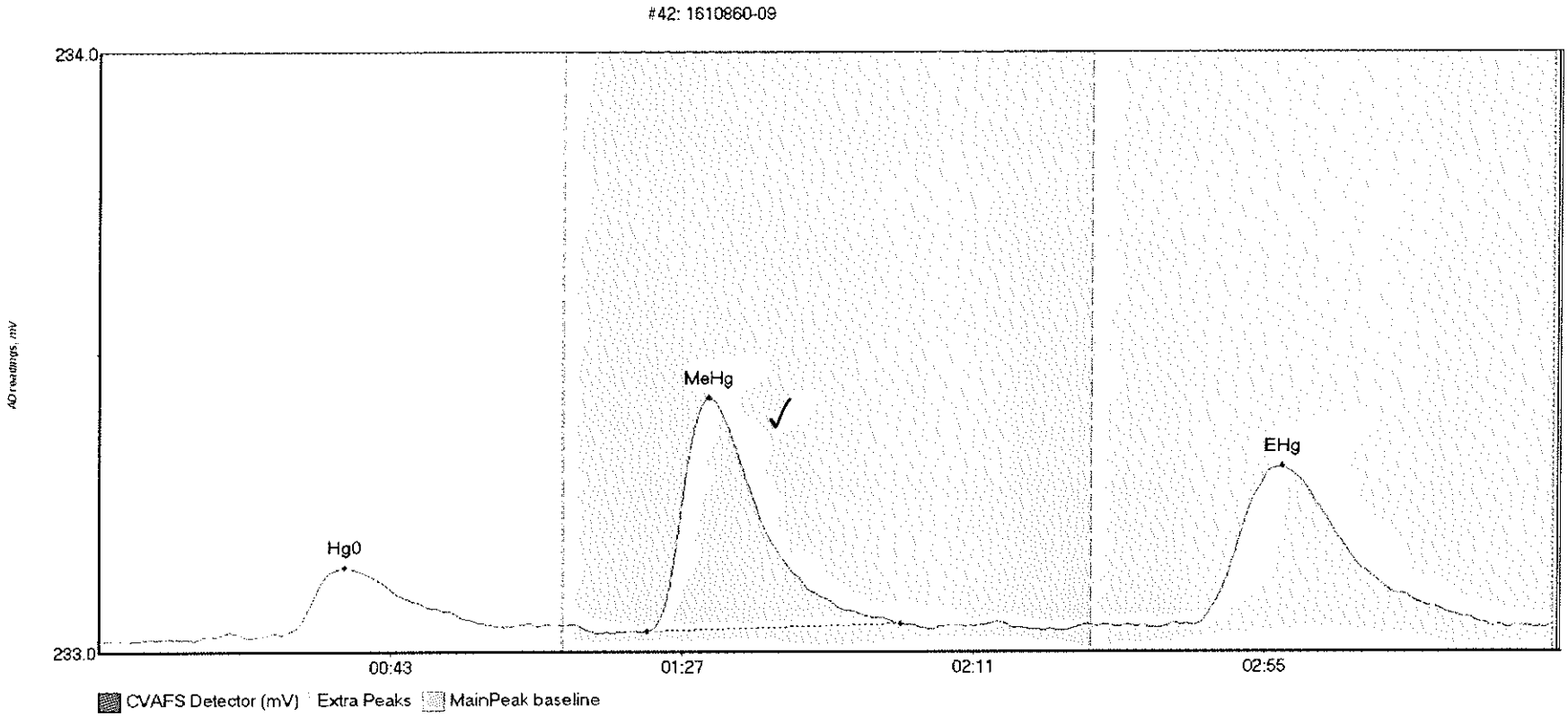


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-07 Hg0	16.600	28.7	69.9	233.01	233.02	37.3	0.113	CT	233.0143	0.00	0.01	
1610860-07 MeHg	10.164	84.3	113.6	233.03	233.03	91.7	0.088	OK	233.0143	0.00	0.01	
1610860-07 EHg	28.870	165.3	212.6	233.03	233.03	180.0	0.152	OK	233.0143	0.00	0.01	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-08 Hg0	13.210	28.1	66.9	233.01	233.02	37.1	0.095	OK	233.0104	0.00	0.02	
1610860-08 MeHg	10.457	83.6	109.2	233.02	233.02	91.9	0.086	OK	233.0104	0.00	0.02	
1610860-08 EHg	28.037	160.7	212.7	233.02	233.02	178.5	0.142	OK	233.0104	0.00	0.02	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-09 Hg0	17.767	14.3	61.1	233.00	233.02	37.1	0.121	OK	232.9969	0.00	0.03	
1610860-09 MeHg	52.053	82.7	121.0	233.01	233.03	92.0	0.391	OK	232.9969	0.00	0.03	
1610860-09 EHg	48.670	165.4	210.7	233.02	233.02	178.8	0.265	OK	232.9969	0.00	0.03	

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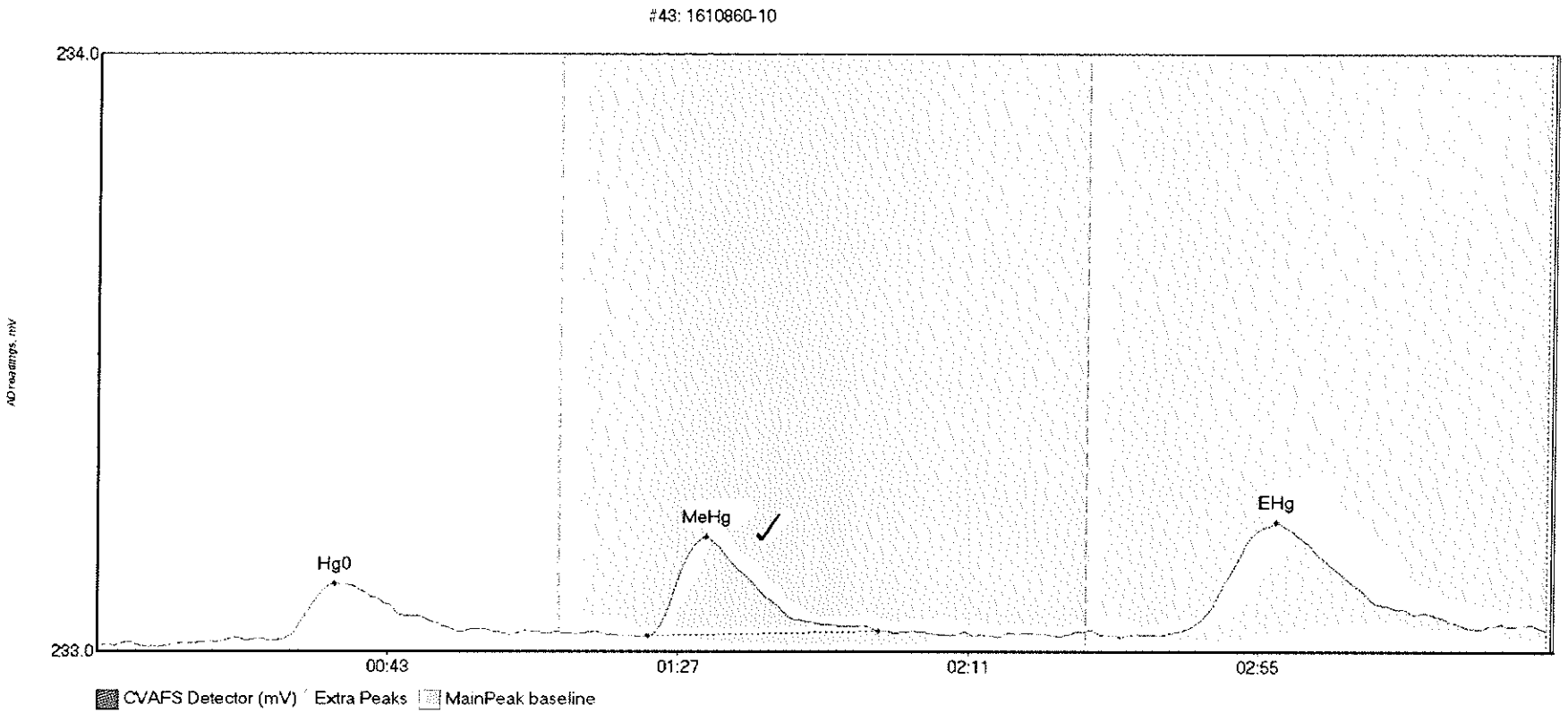

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-10 Hg0	14.436	14.1	62.5	233.00	233.01	36.0	0.101	OK	232.9938	0.00	0.03	
1610860-10 MeHg	21.485	83.4	118.5	233.01	233.02	92.3	0.167	OK	232.9938	0.00	0.03	
1610860-10 EHg	35.359	161.1	208.1	233.01	233.02	178.7	0.190	OK	232.9938	0.00	0.03	

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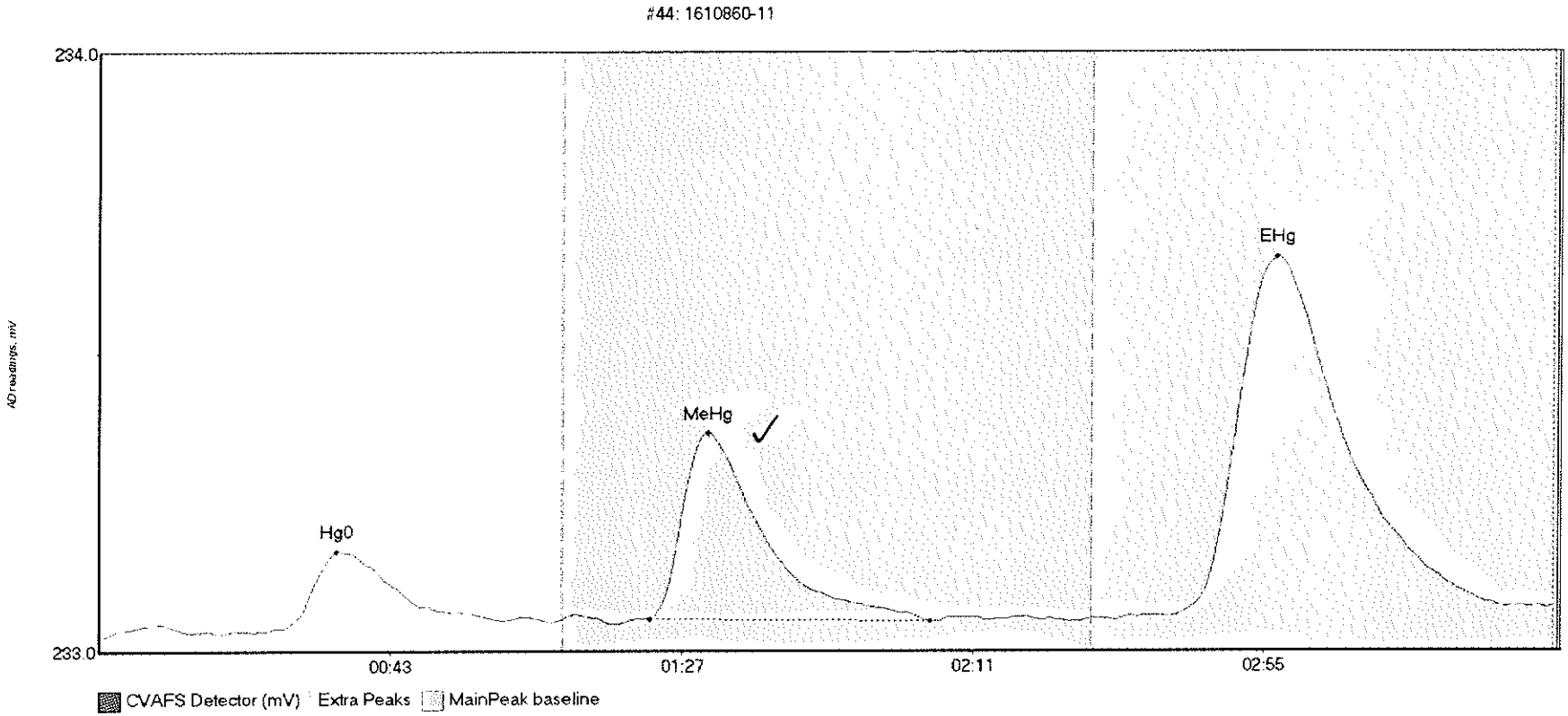
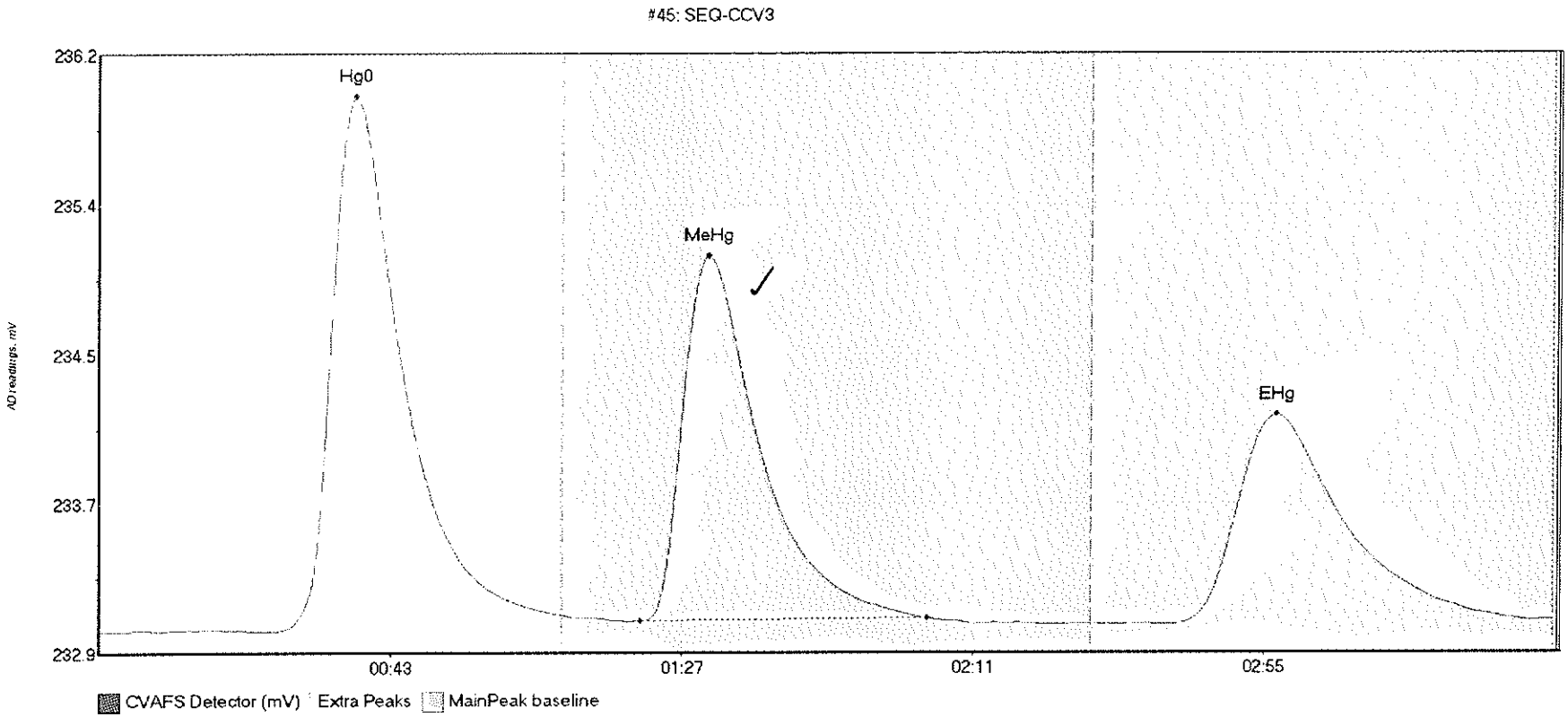


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610860-11 Hg0	19.483	23.4	68.2	232.99	233.00	35.9	0.134	OK	232.9805	0.00	0.05	
1610860-11 MeHg	43.869	83.2	125.6	233.01	233.00	91.9	0.311	OK	232.9805	0.00	0.05	
1610860-11 EHg	110.273	161.8	218.9	233.01	233.03	178.1	0.599	OK	232.9805	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV3 Hg0	369.979	26.2	69.9	232.98	233.07	38.6	3.011	CT	232.9800	0.00	0.07	
SEQ-CCV3 MeHg	277.406	81.7	125.2	233.04	233.05	92.0	2.058	OK	232.9800	0.00	0.07	
SEQ-CCV3 EHg	220.838	161.8	217.0	233.02	233.04	178.1	1.185	OK	232.9800	0.00	0.07	

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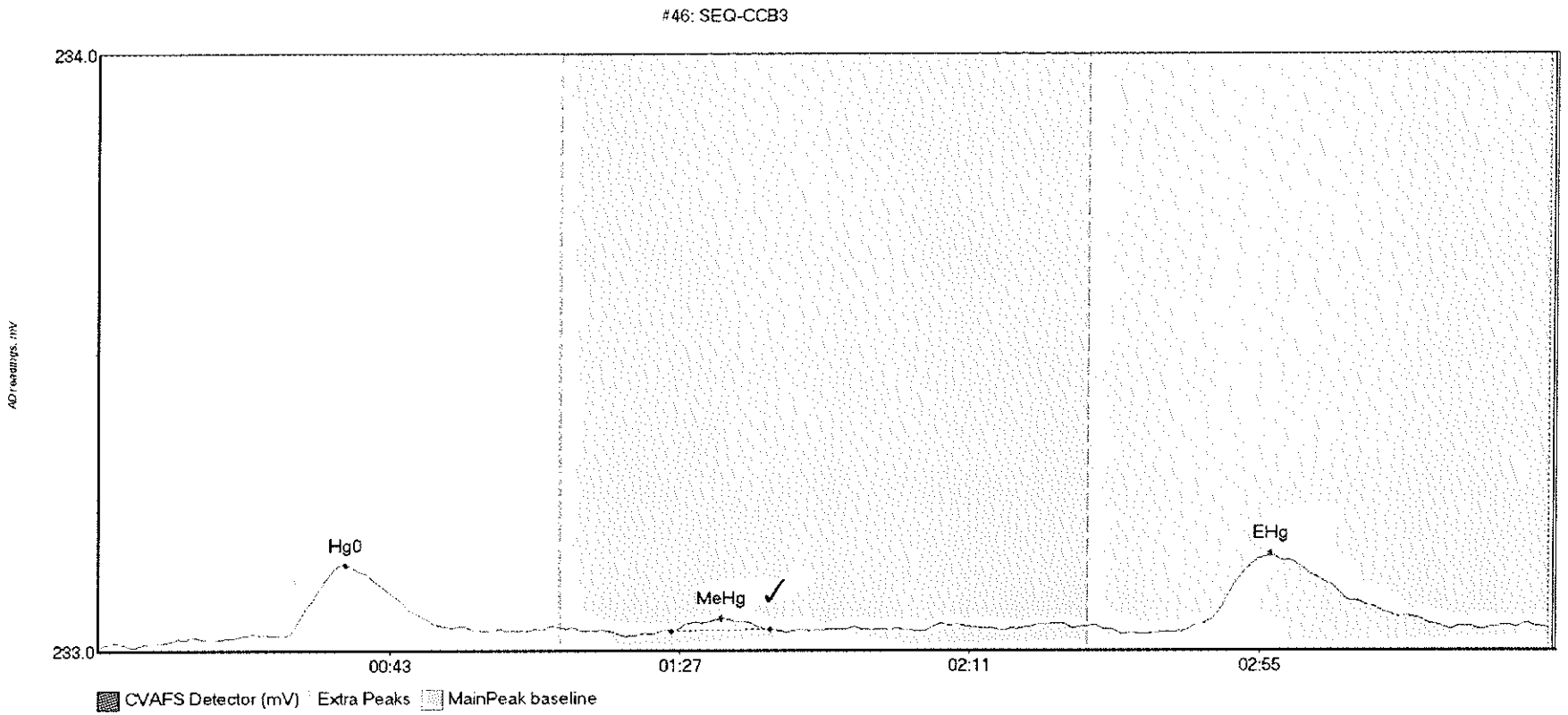
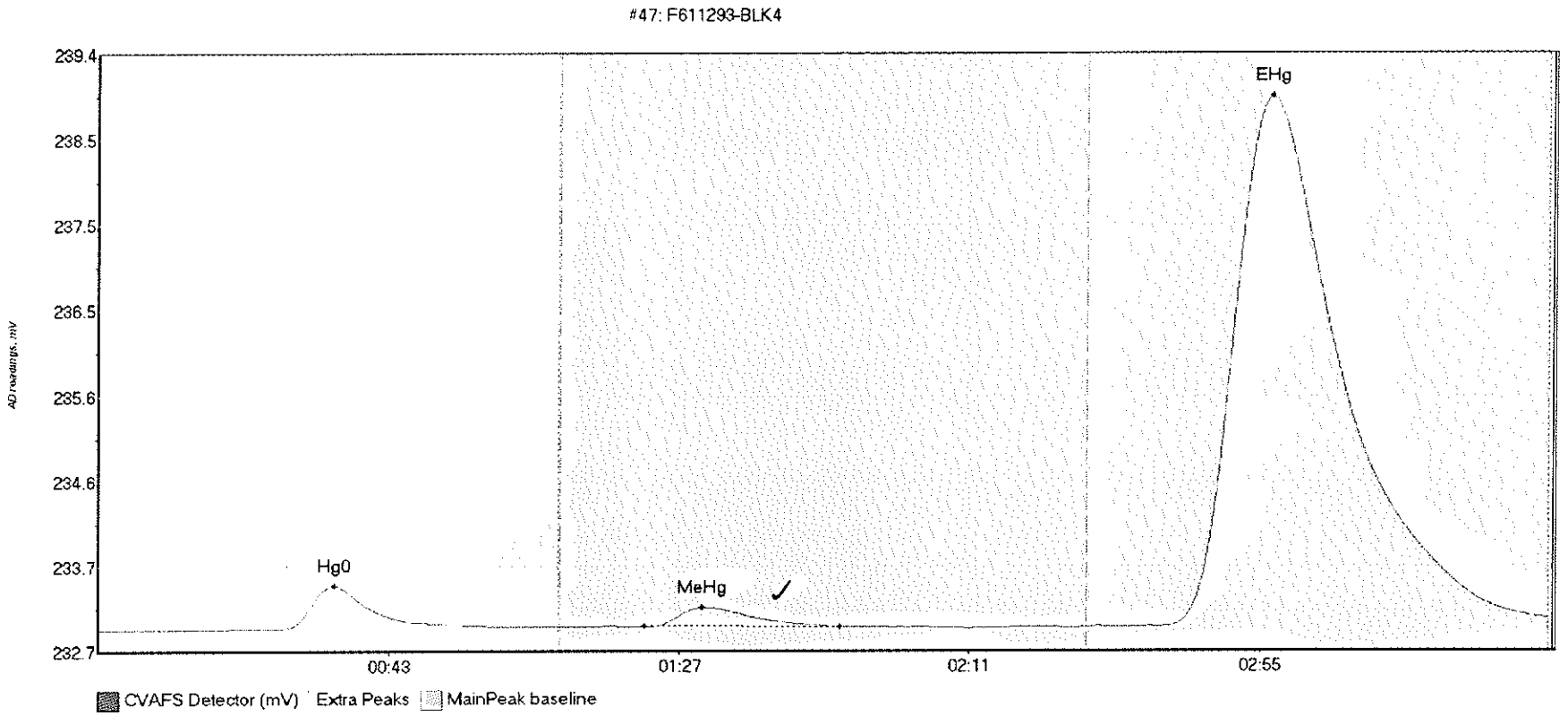
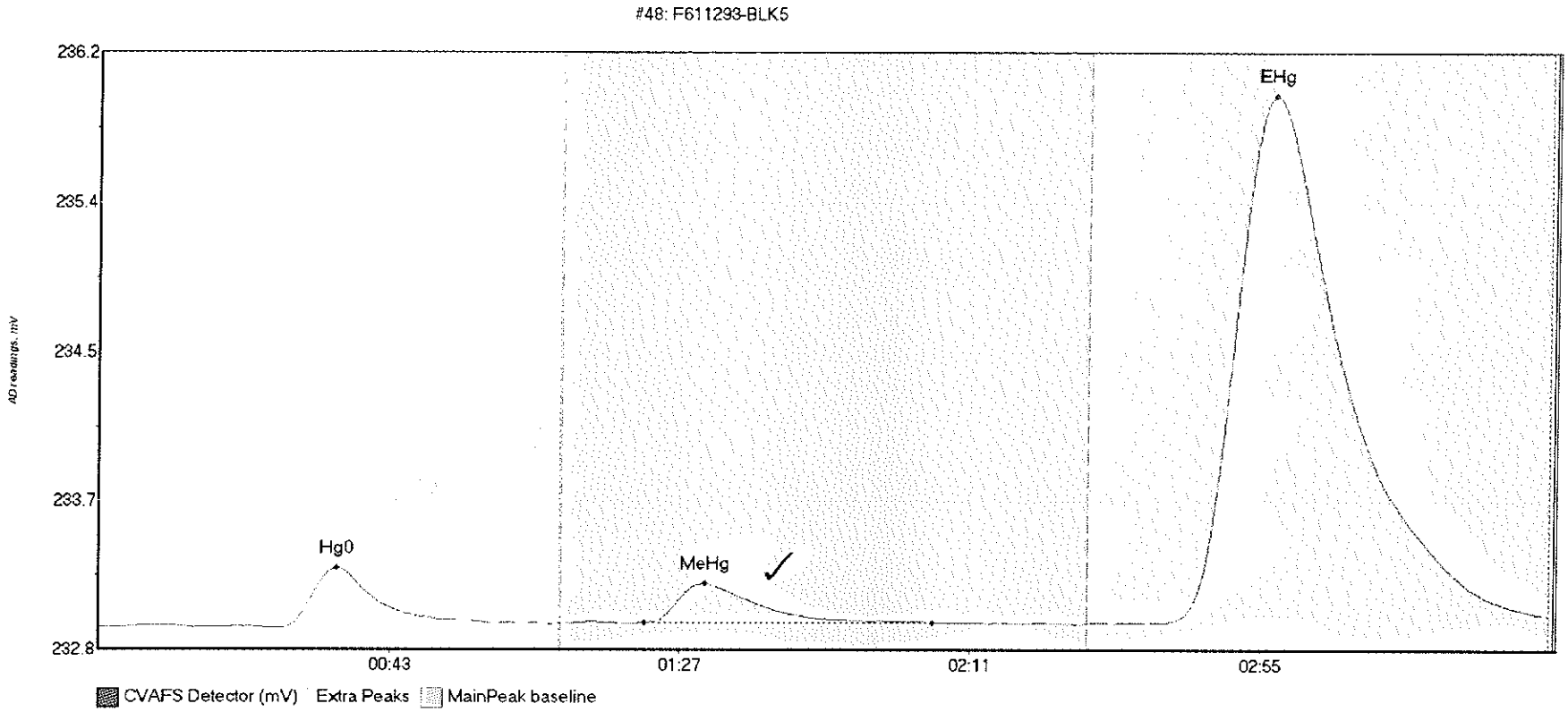


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB3 Hg0	17.836	9.0	62.3	232.98	233.00	37.3	0.133	OK	232.9728	0.00	0.03	
SEQ-CCB3 MeHg	1.744	86.8	101.8	233.00	233.00	94.3	0.020	OK	232.9728	0.00	0.03	
SEQ-CCB3 EHg	19.616	166.9	202.8	233.01	233.01	177.8	0.117	OK	232.9728	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611293-BLK4 Hg	50.392	18.8	67.8	232.98	233.00	35.7	0.485	OK	232.9753	0.00	0.13	
F611293-BLK4 Me	26.613	82.7	112.3	233.01	233.00	91.5	0.214	OK	232.9753	0.00	0.13	
F611293-BLK4 EH	1110.351	160.7	219.8	233.01	233.10	177.8	5.922	CT	232.9753	0.00	0.13	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611293-BLK5 Hg	38.709	27.4	68.3	232.97	233.00	36.0	0.343	OK	232.9784	0.00	0.07	
F611293-BLK5 Me	29.718	82.8	126.3	233.00	233.00	91.9	0.222	OK	232.9784	0.00	0.07	
F611293-BLK5 EH	564.779	161.3	219.8	233.00	233.05	177.9	2.996	CT	232.9784	0.00	0.07	

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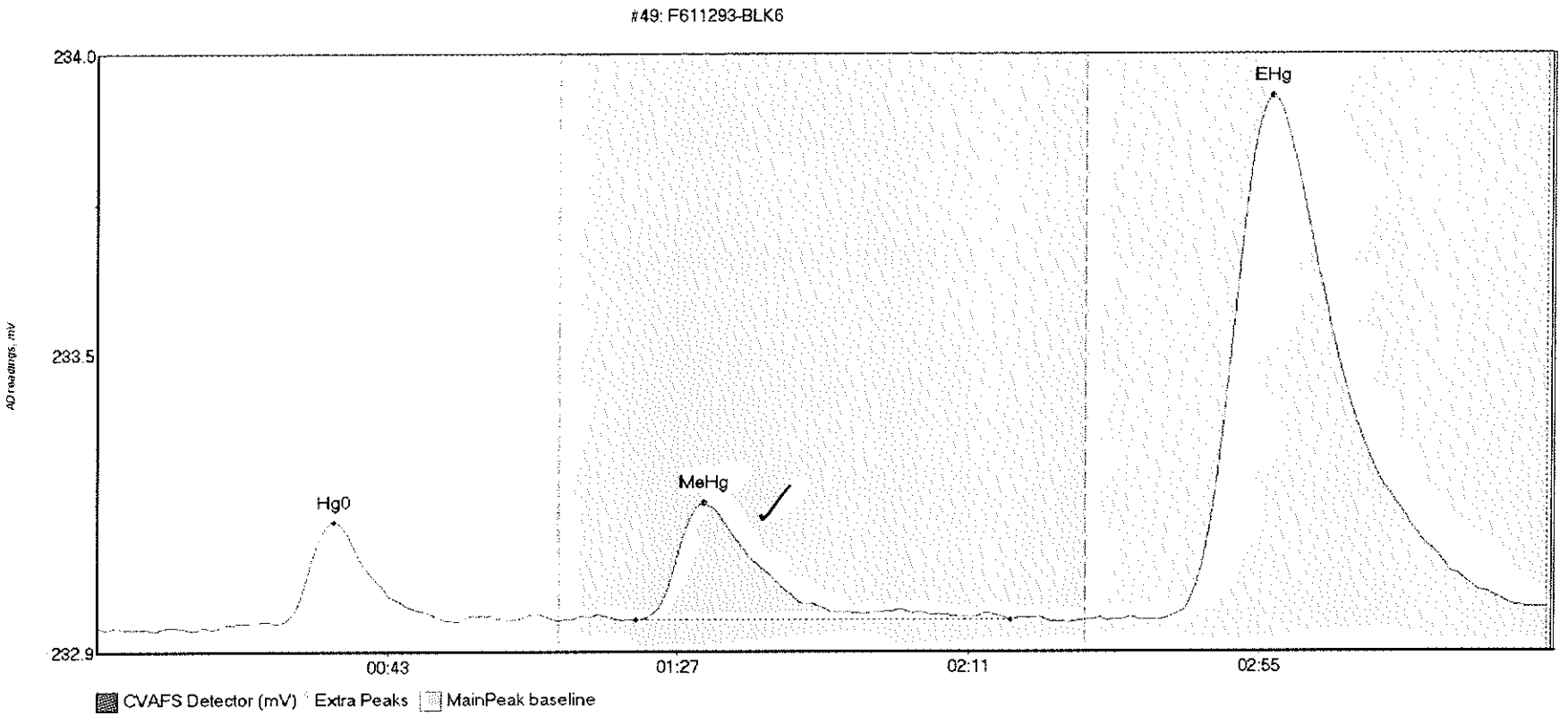

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611293-BLK6 Hg	20.623	17.7	54.4	232.98	233.00	35.8	0.196	OK	232.9846	0.00	0.04	
F611293-BLK6 Me	30.907	81.8	138.5	233.00	233.00	92.0	0.214	OK	232.9846	0.00	0.04	
F611293-BLK6 EH	178.894	161.2	218.3	233.00	233.02	177.9	0.956	OK	232.9846	0.00	0.04	

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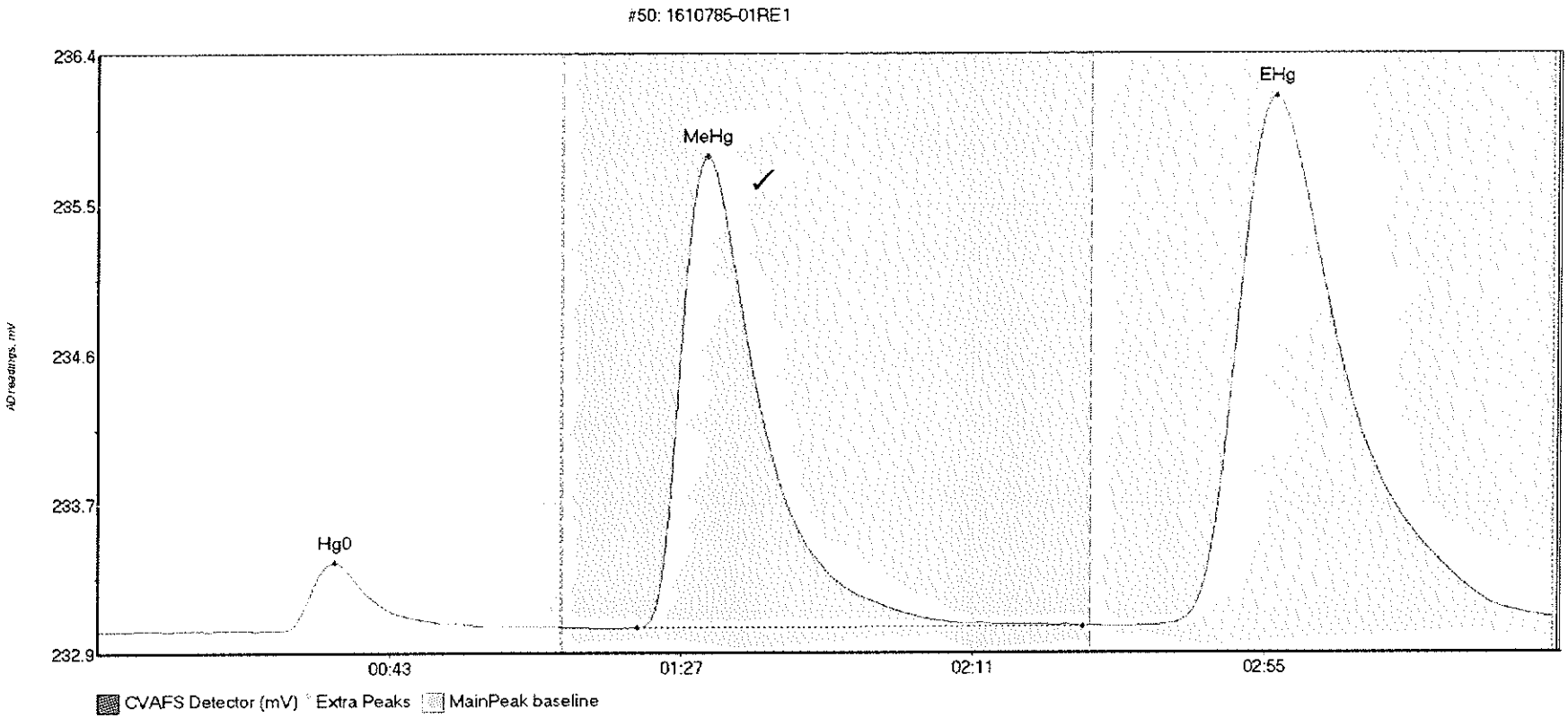

Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610785-01RE1	H	43.036	24.4	69.9	232.99	233.01	35.8	0.405	CT	232.9864	0.00	0.09	
1610785-01RE1	M	389.192	81.4	148.7	233.01	233.02	91.9	2.782	OK	232.9864	0.00	0.09	
1610785-01RE1	E	582.868	160.2	219.8	233.02	233.07	177.7	3.122	CT	232.9864	0.00	0.09	

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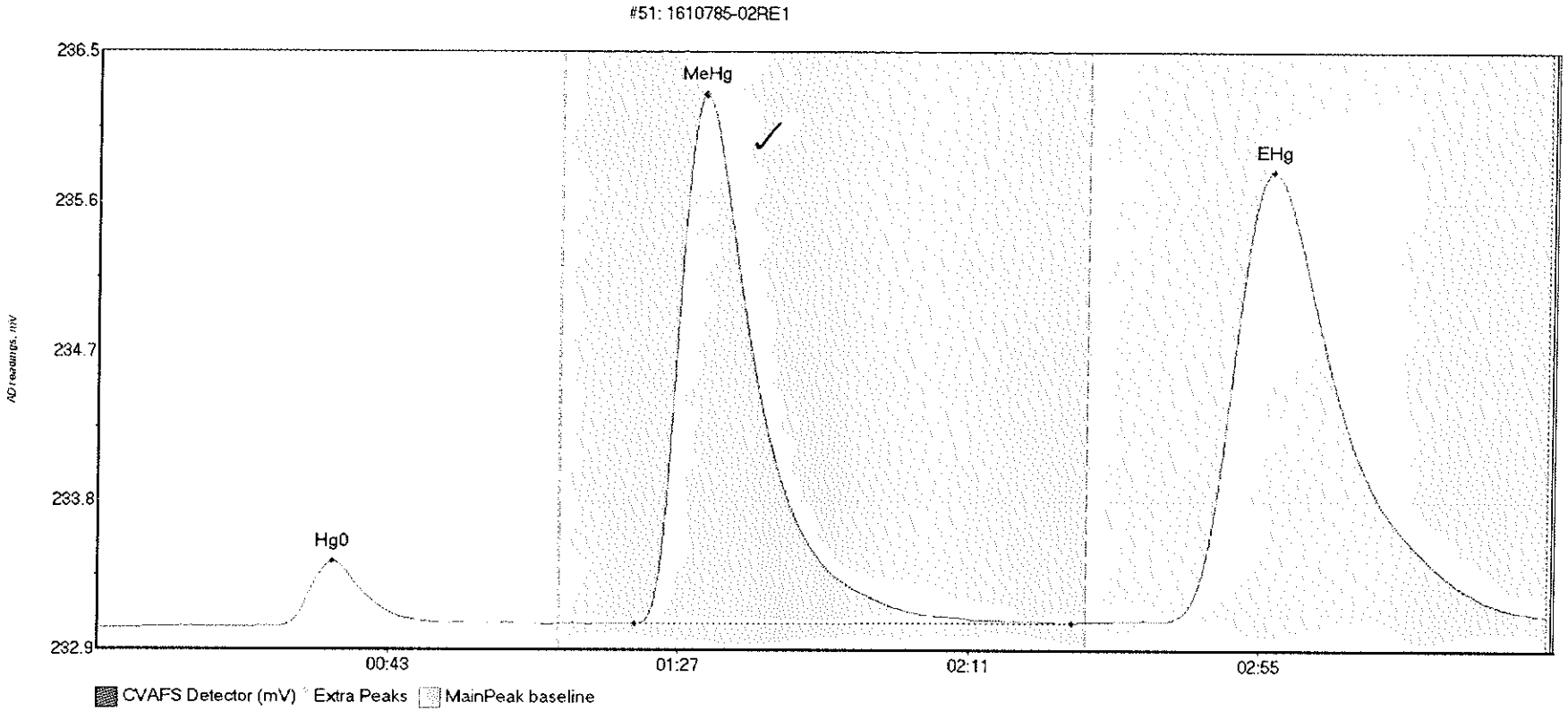

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610785-02RE1 H	38.823	23.4	68.4	232.99	233.01	35.6	0.400	OK	232.9896	0.00	0.08	
1610785-02RE1 M	444.337	81.5	147.8	233.02	233.02	91.8	3.225	OK	232.9896	0.00	0.08	
1610785-02RE1 E	514.418	153.7	219.8	233.03	233.07	177.7	2.745	CT	232.9896	0.00	0.08	

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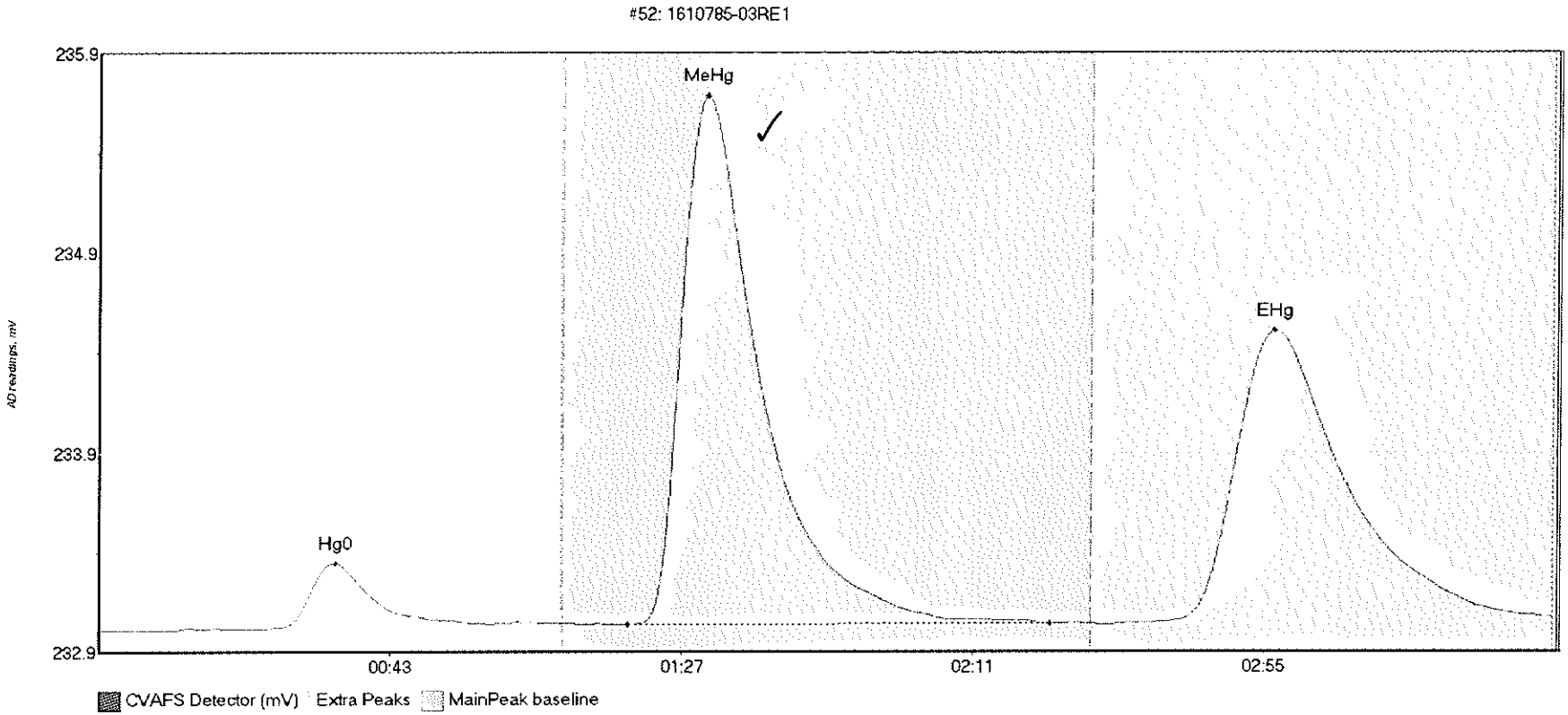
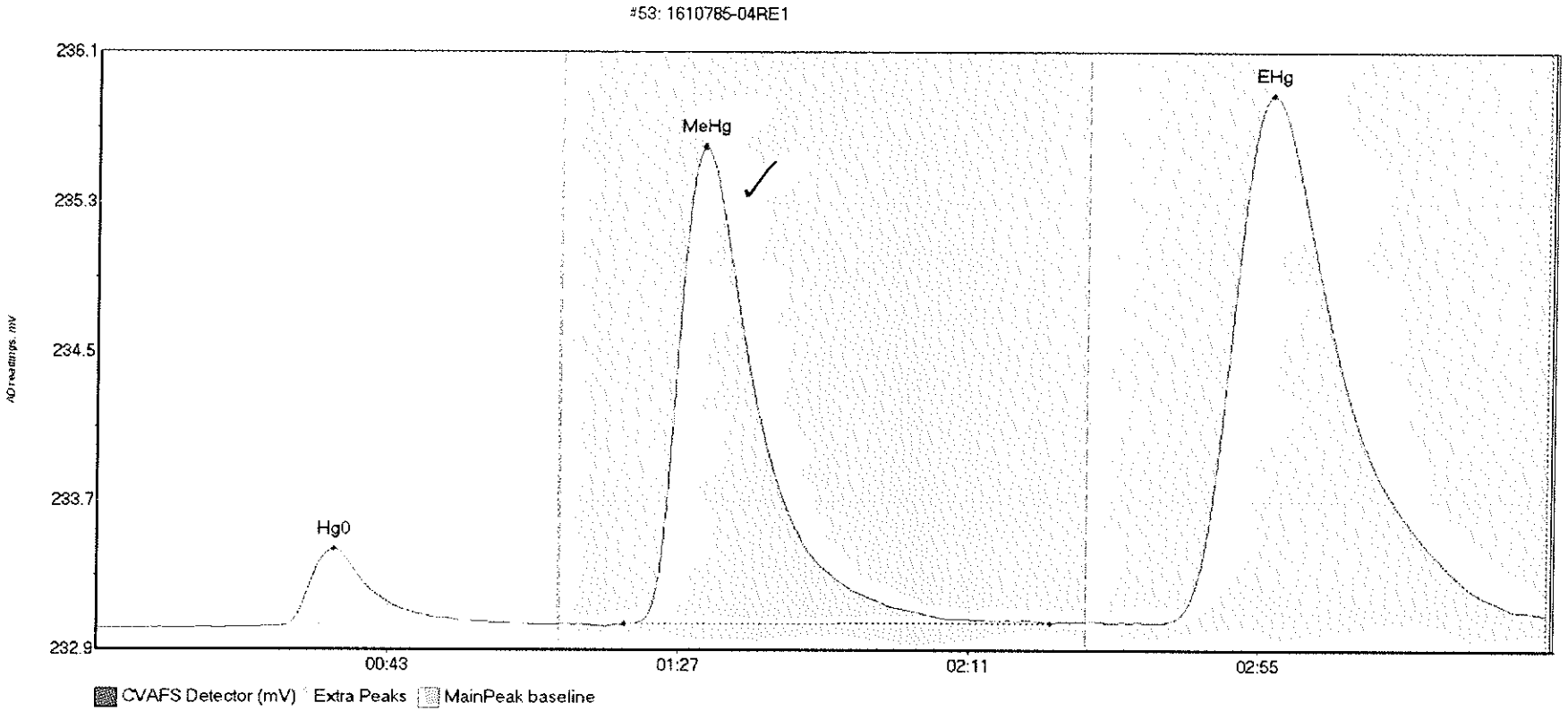


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610785-03RE1 H	34.045	23.1	59.1	233.00	233.03	35.8	0.328	OK	233.0010	0.00	0.06	
1610785-03RE1 M	366.223	79.9	143.7	233.03	233.03	91.7	2.623	OK	233.0010	0.00	0.06	
1610785-03RE1 E	271.785	156.9	219.3	233.04	233.07	177.6	1.450	OK	233.0010	0.00	0.06	

016



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610785-04RE1 H	47.026	23.3	68.8	233.03	233.04	35.9	0.421	OK	233.0234	0.00	0.08	
1610785-04RE1 M	358.844	79.9	144.5	233.05	233.05	91.8	2.561	OK	233.0234	0.00	0.08	
1610785-04RE1 E	537.589	161.3	219.8	233.05	233.10	177.7	2.835	CT	233.0234	0.00	0.08	

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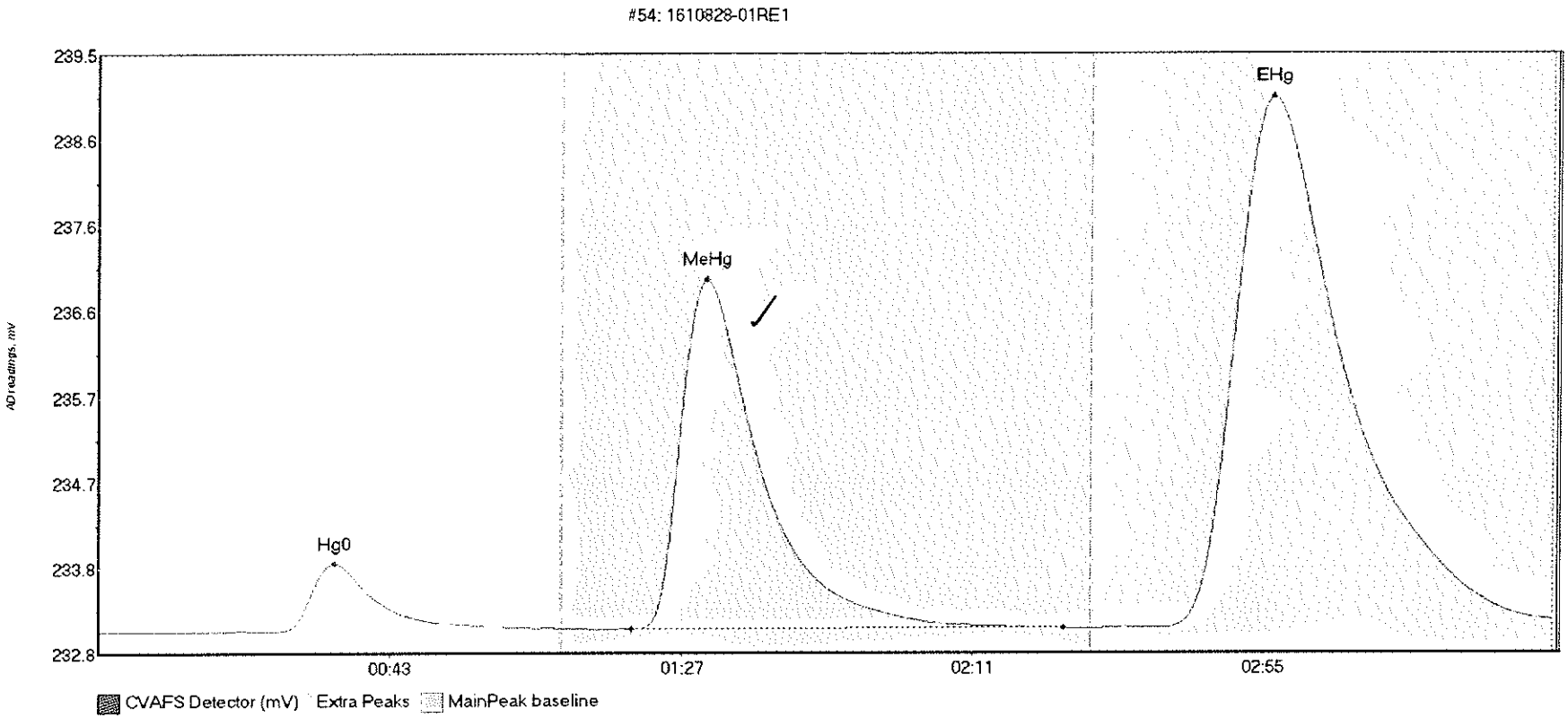
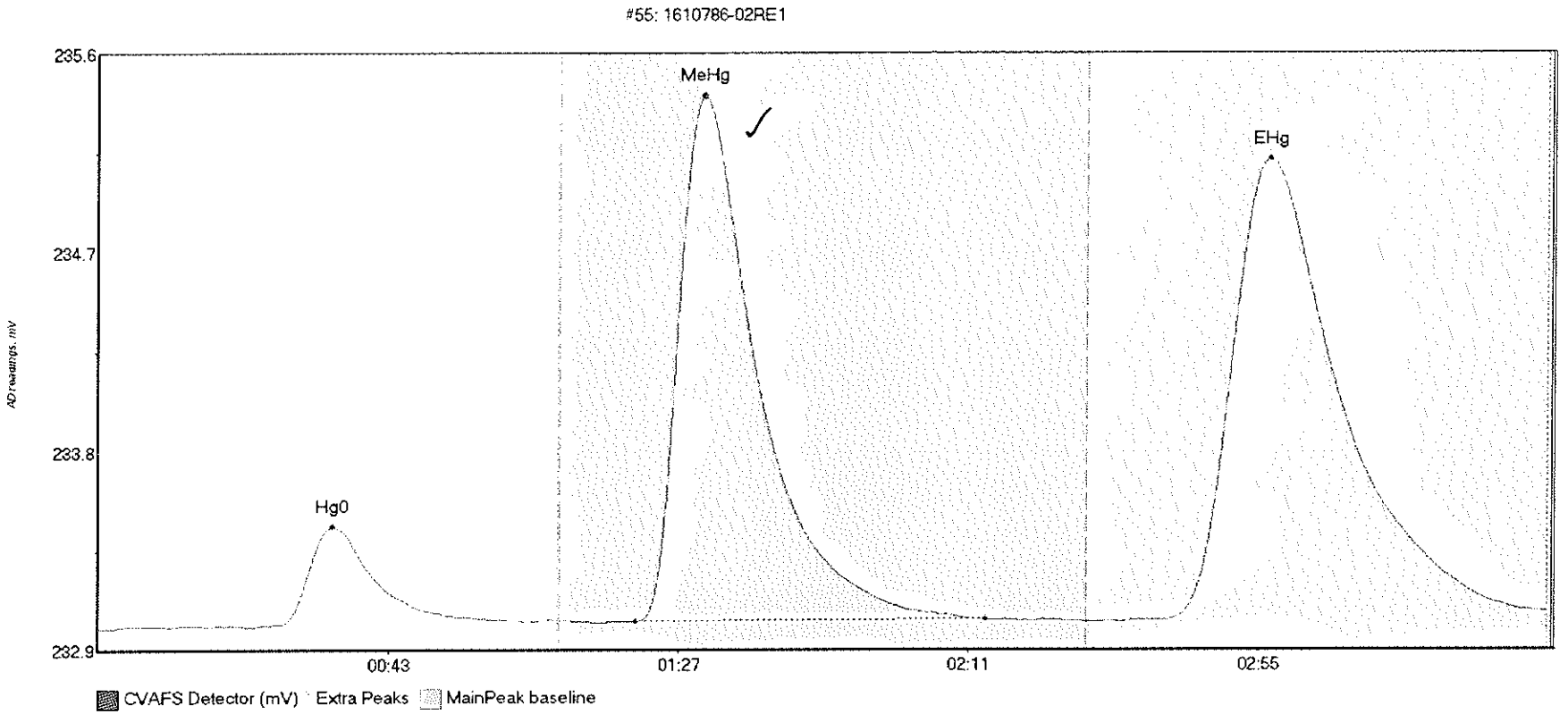
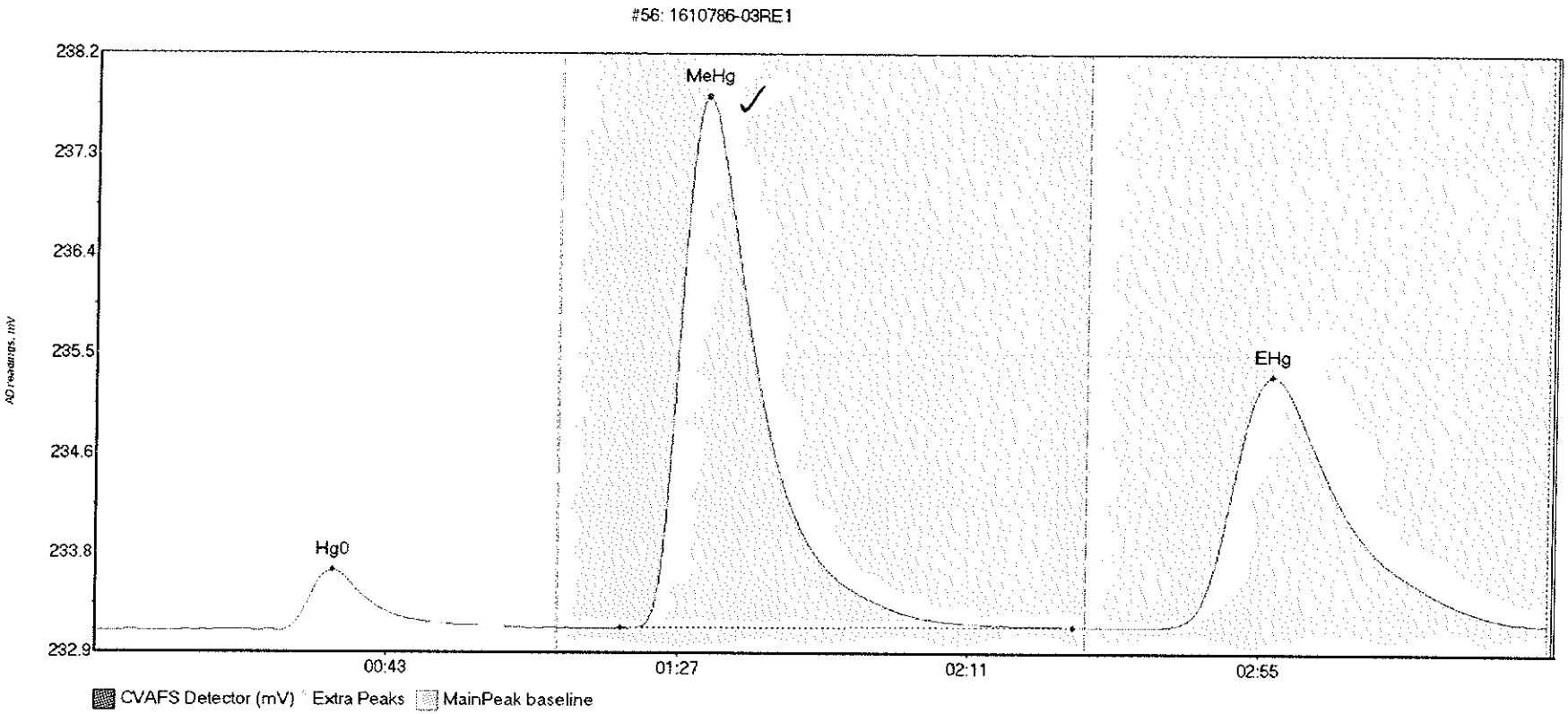


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610828-01RE1 H	84.661	23.5	69.9	233.04	233.07	35.7	0.764	CT	233.0314	0.00	0.14	
1610828-01RE1 M	551.877	80.4	145.7	233.06	233.07	91.7	3.928	OK	233.0314	0.00	0.14	
1610828-01RE1 E	1128.740	150.7	219.8	233.07	233.17	177.5	5.978	CT	233.0314	0.00	0.14	



Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-02RE1	H	51.368	23.3	66.4	233.04	233.07	35.4	0.444	OK	233.0374	0.00	0.08	
1610786-02RE1	M	320.802	81.5	134.6	233.07	233.08	91.8	2.310	OK	233.0374	0.00	0.08	
1610786-02RE1	E	382.378	161.3	219.8	233.07	233.11	177.7	2.028	CT	233.0374	0.00	0.08	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-03RE1 H	58.418	28.1	65.8	233.05	233.08	35.9	0.542	OK	233.0556	0.00	0.07	
1610786-03RE1 M	665.786	79.5	148.1	233.08	233.09	92.0	4.775	OK	233.0556	0.00	0.07	
1610786-03RE1 E	427.313	160.9	218.6	233.09	233.12	177.9	2.260	OK	233.0556	0.00	0.07	

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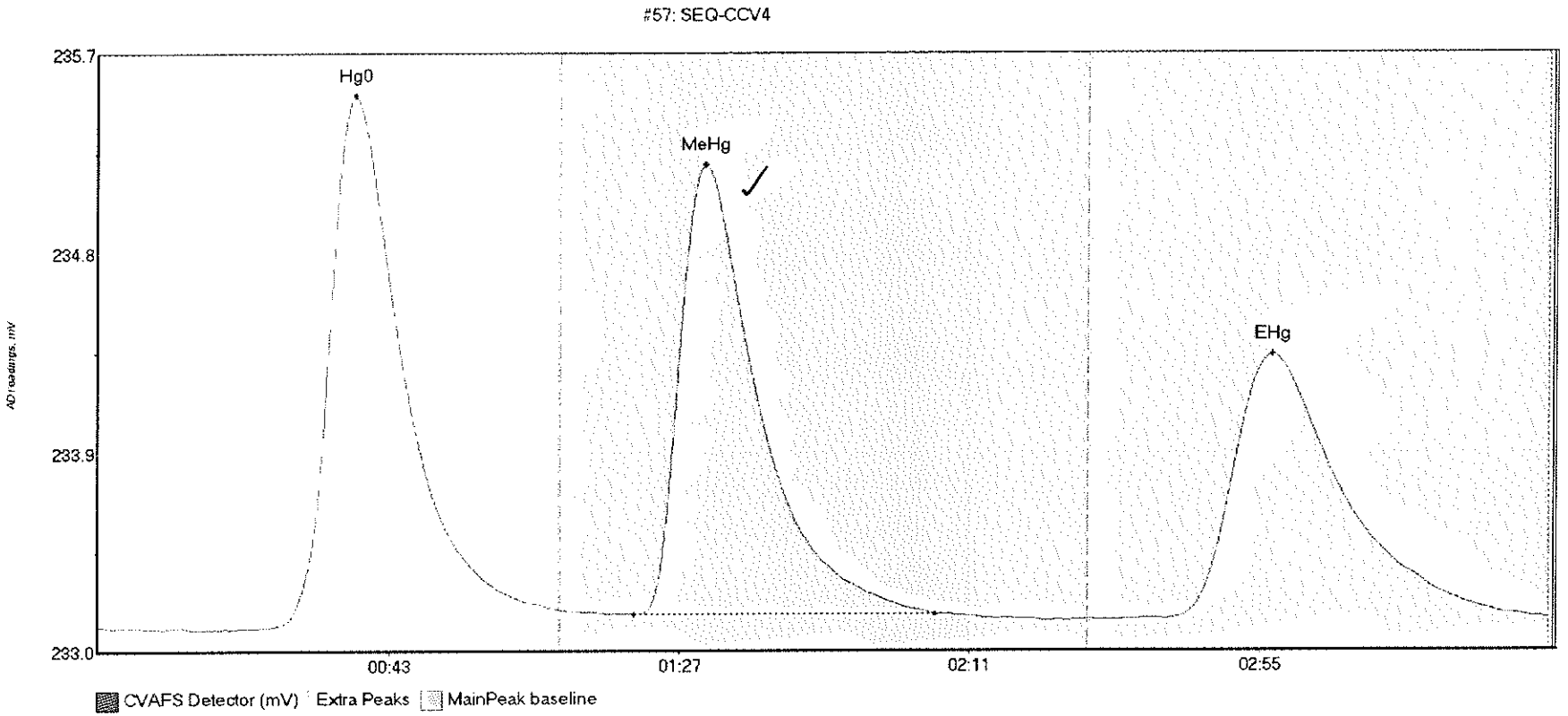

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV4 Hg0	315.855	25.4	69.9	233.06	233.15	38.8	2.486	CT	233.0678	0.00	0.04	
SEQ-CCV4 MeHg	288.853	81.1	126.9	233.13	233.13	91.9	2.101	OK	233.0678	0.00	0.04	
SEQ-CCV4 EHg	235.636	161.8	219.8	233.11	233.11	177.9	1.235	CT	233.0678	0.00	0.04	

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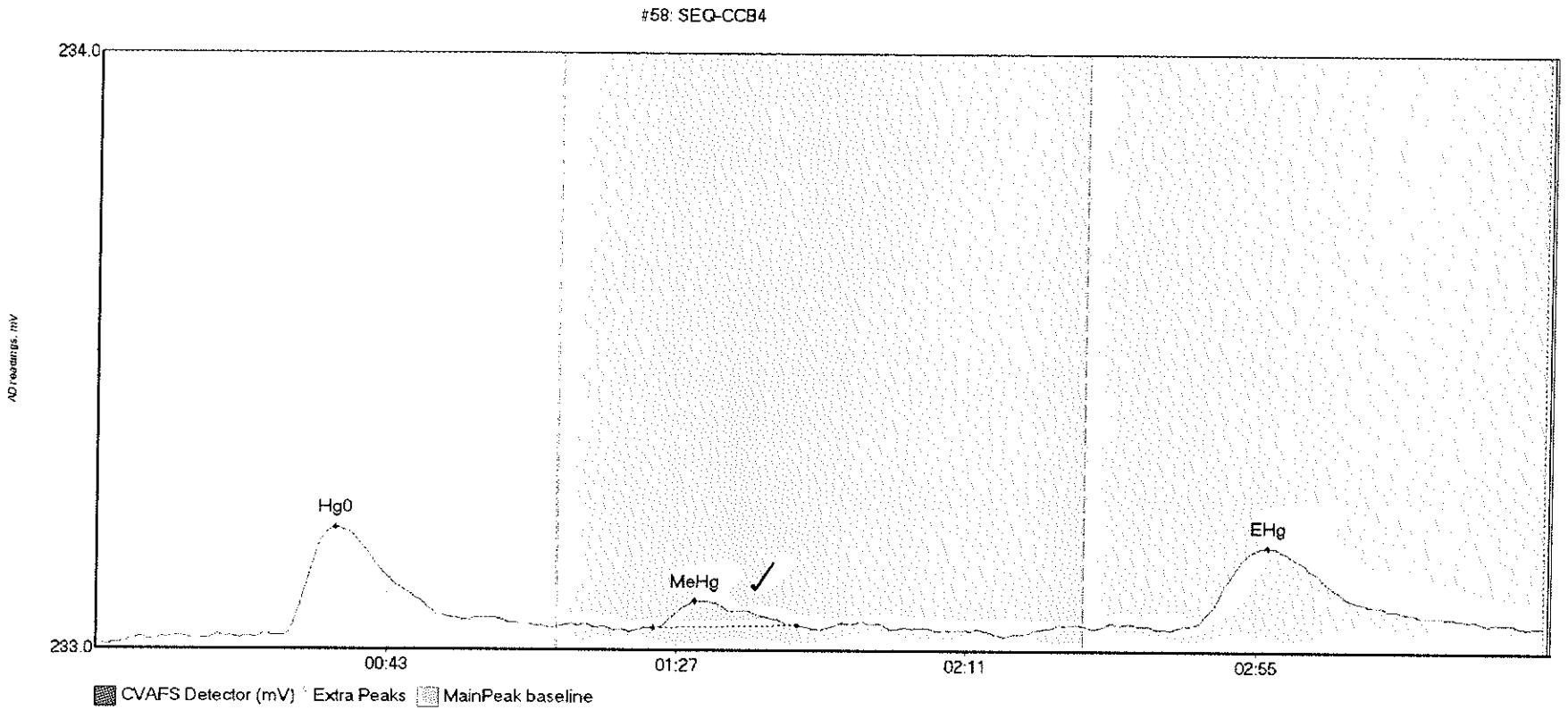
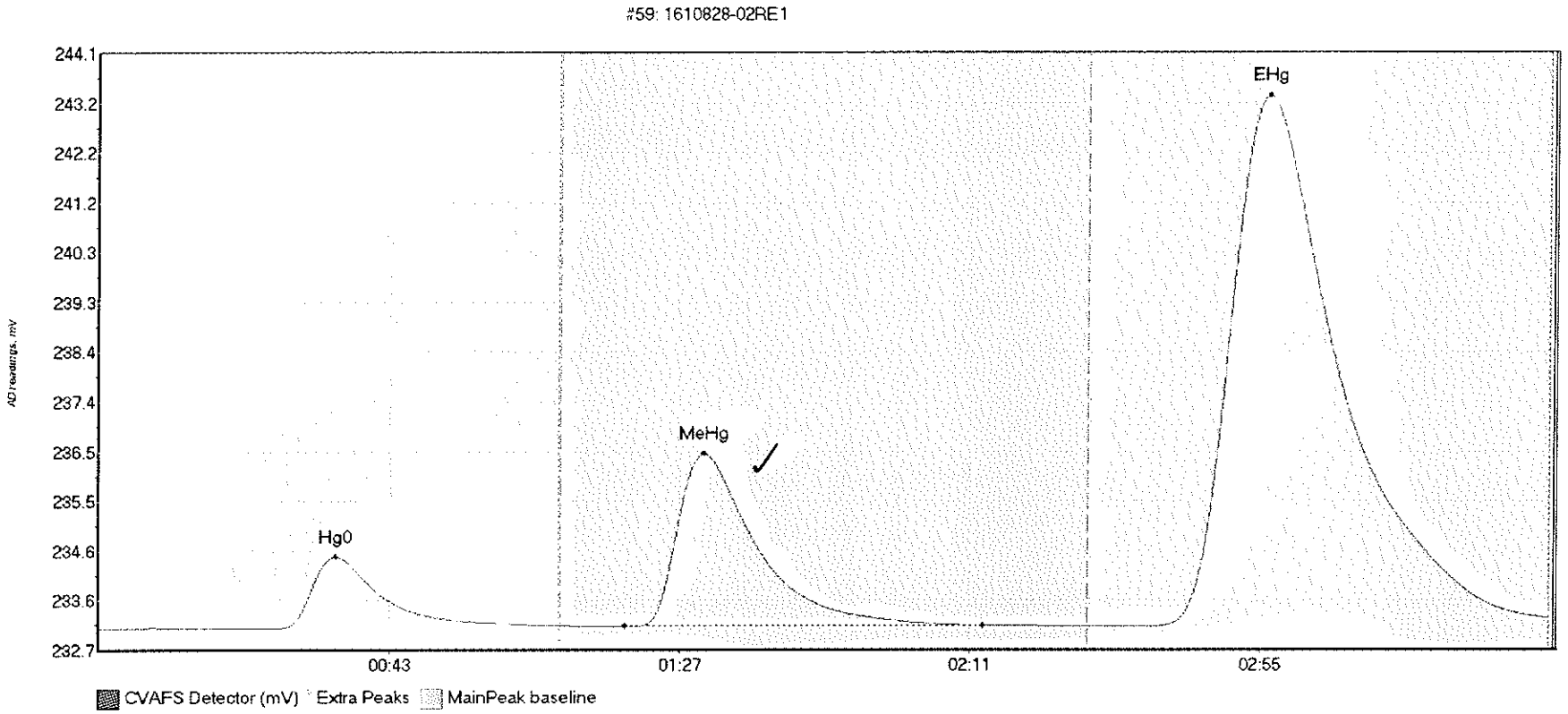


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB4 Hg0	26.877	17.0	68.8	233.07	233.09	36.1	0.187	OK	233.0617	0.00	0.03	
SEQ-CCB4 MeHg	5.001	84.4	106.3	233.09	233.09	90.8	0.045	OK	233.0617	0.00	0.03	
SEQ-CCB4 EHg	24.884	165.8	216.1	233.09	233.09	177.7	0.132	OK	233.0617	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610828-02RE1 H	163.648	25.4	69.9	233.06	233.12	35.9	1.380	CT	233.0675	0.00	0.20	
1610828-02RE1 M	456.774	79.7	134.0	233.11	233.12	91.6	3.318	OK	233.0675	0.00	0.20	
1610828-02RE1 E	1934.340	158.4	219.8	233.11	233.27	177.3	10.186	CT	233.0675	0.00	0.20	

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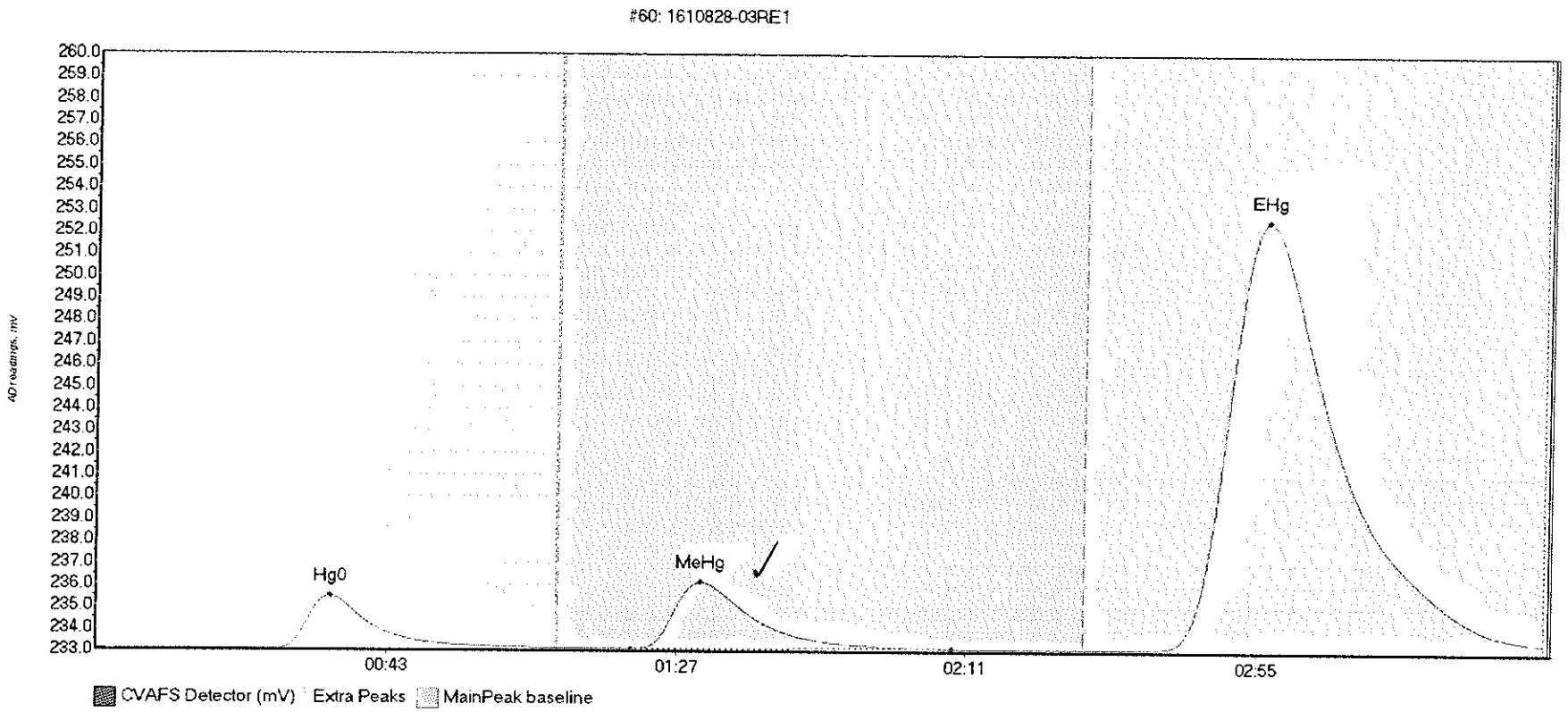

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610828-03RE1 H	266.524	24.5	69.9	233.07	233.13	35.4	2.391	CT	233.0659	0.00	0.37	
1610828-03RE1 M	412.767	81.2	130.0	233.13	233.14	91.6	3.006	OK	233.0659	0.00	0.37	
1610828-03RE1 E	3663.248	159.1	219.8	233.11	233.43	177.5	19.378	CT	233.0659	0.00	0.37	

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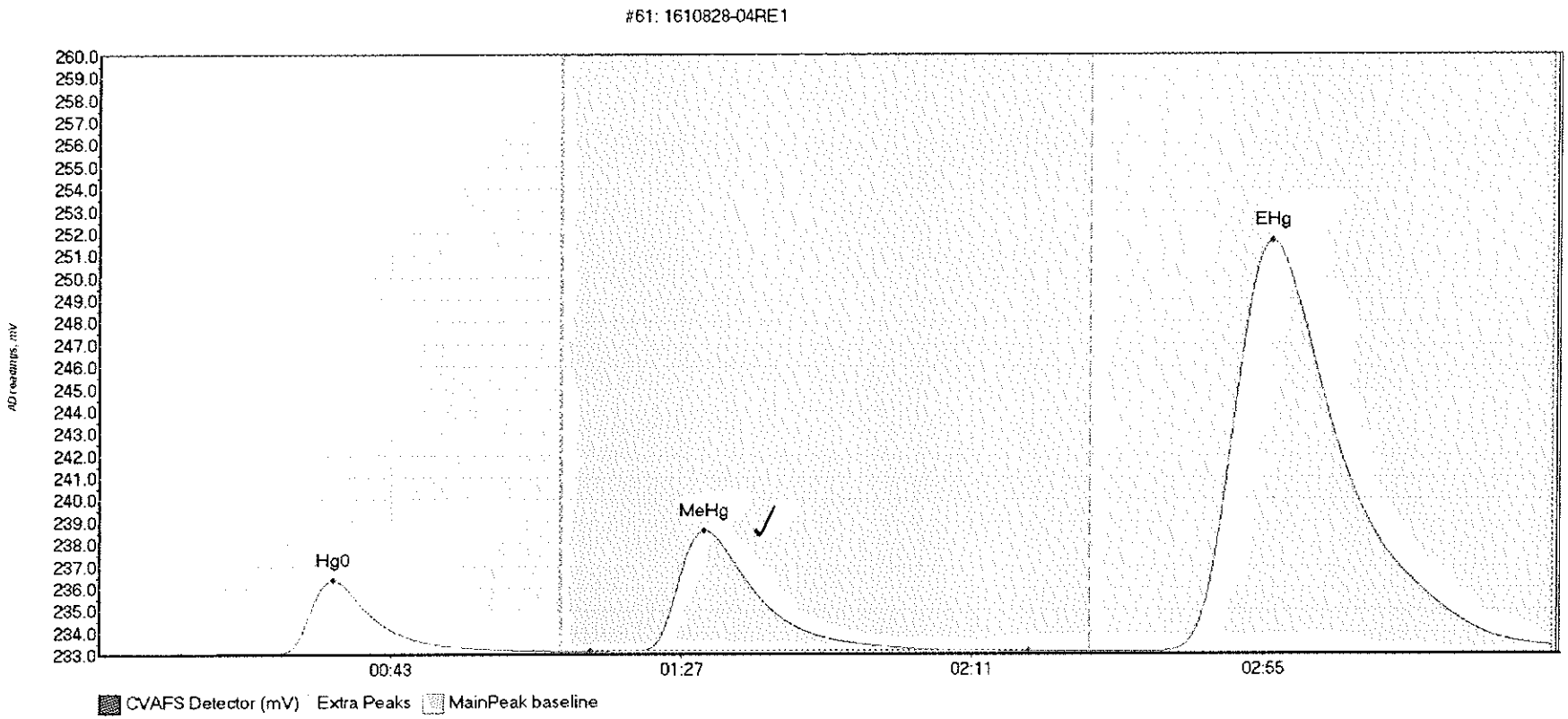

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610828-04RE1 H	366.165	15.7	69.9	233.06	233.14	35.4	3.278	CT	233.0576	0.00	0.35	
1610828-04RE1 M	756.589	74.4	140.7	233.13	233.13	91.5	5.448	CK	233.0576	0.00	0.35	
1610828-04RE1 E	3474.860	159.8	219.8	233.13	233.40	177.3	18.503	CT	233.0576	0.00	0.35	

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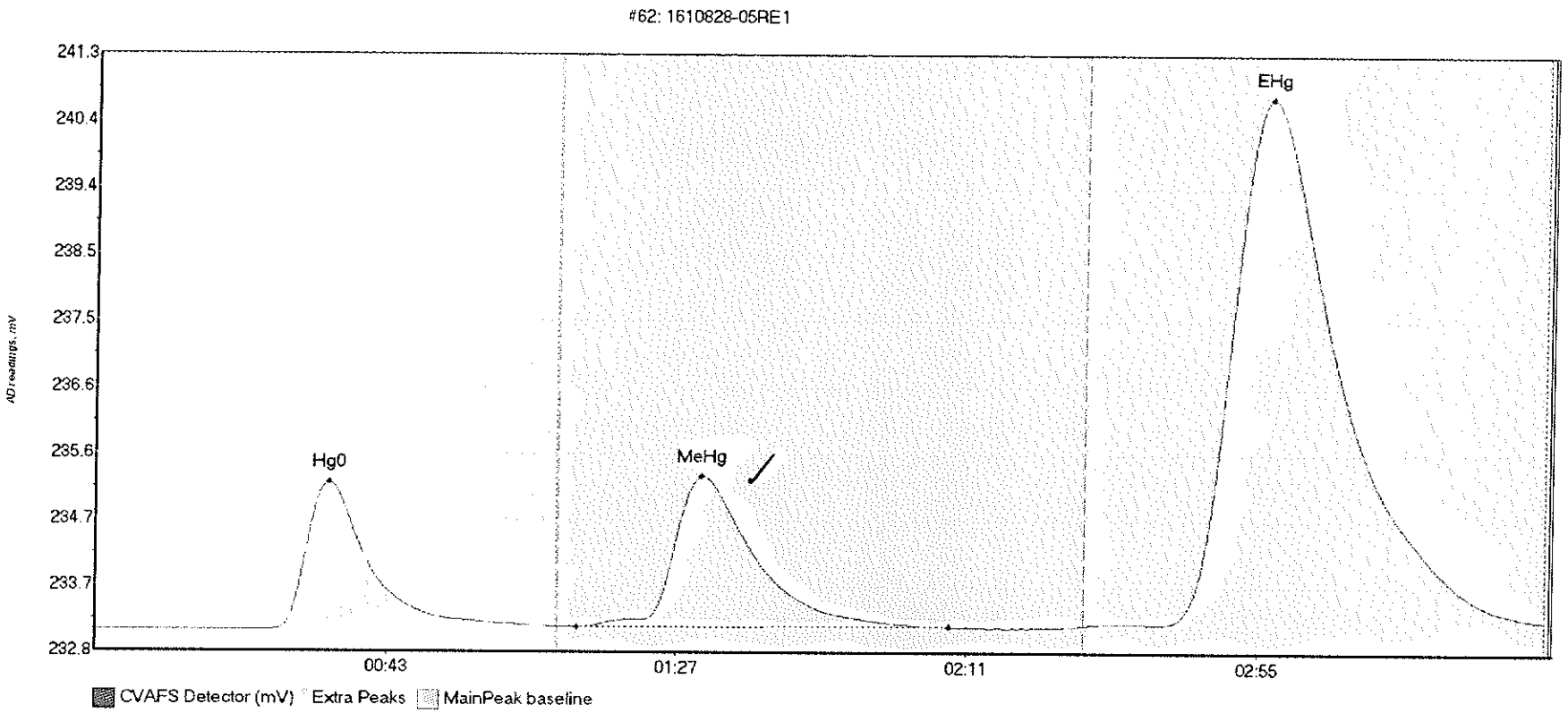

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610828-05RE1 H	227.214	25.9	69.8	233.06	233.12	35.3	2.116	OK	233.0601	0.00	0.16	
1610828-05RE1 M	302.594	73.0	129.4	233.12	233.12	91.8	2.163	OK	233.0601	0.00	0.16	
1610828-05RE1 E	1409.840	150.1	219.8	233.15	233.22	177.7	7.560	CT	233.0601	0.00	0.16	

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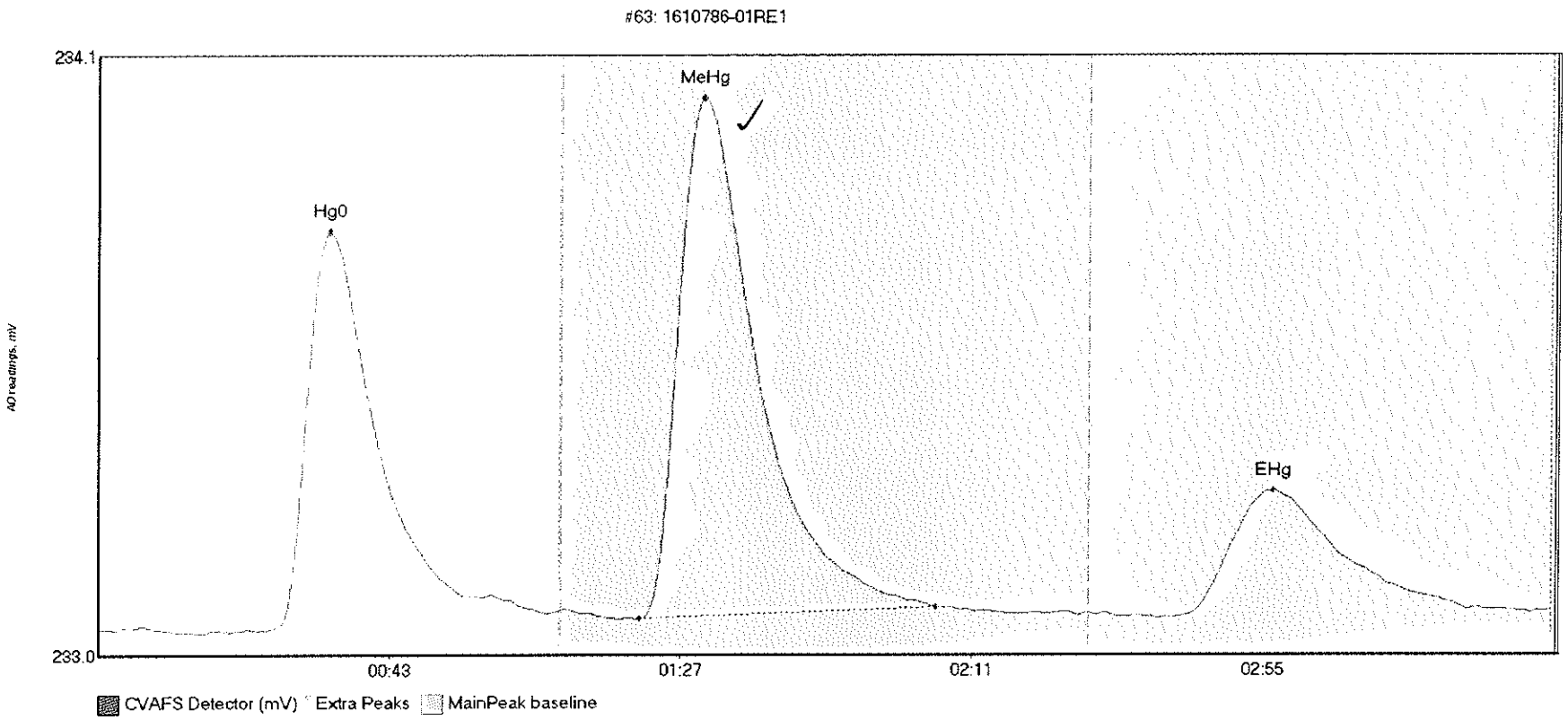
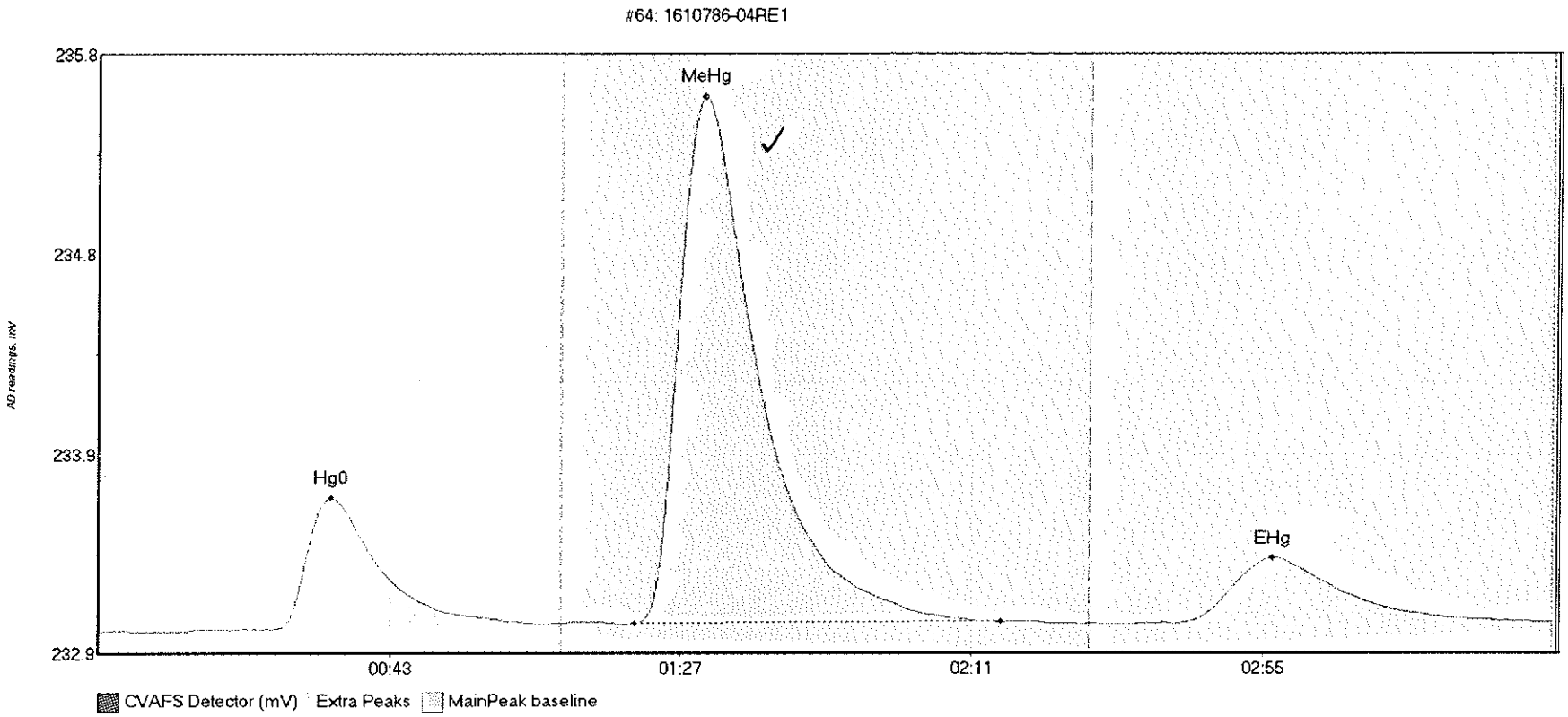
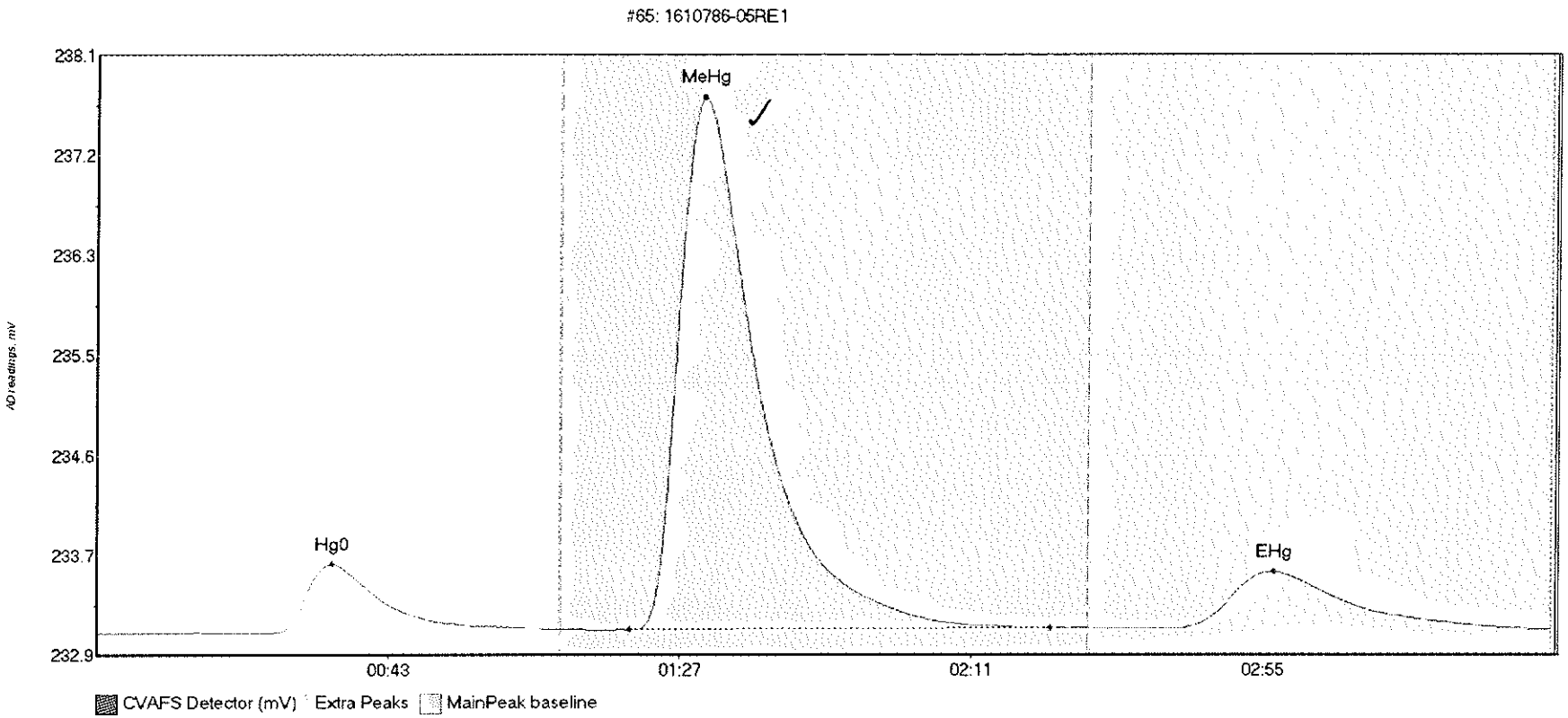


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-01RE1 H	90.623	25.4	67.9	233.06	233.09	35.0	0.747	OK	233.0595	0.00	0.04	
1610786-01RE1 M	133.167	81.9	126.6	233.08	233.10	91.5	0.976	OK	233.0595	0.00	0.04	
1610786-01RE1 E	44.779	164.2	216.8	233.09	233.09	177.6	0.234	OK	233.0595	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-04RE1 H	76.668	20.4	68.1	233.06	233.08	35.2	0.623	OK	233.0509	0.00	0.04	
1610786-04RE1 M	346.507	81.1	136.5	233.09	233.09	91.5	2.484	OK	233.0509	0.00	0.04	
1610786-04RE1 E	58.350	162.6	218.2	233.09	233.09	177.4	0.311	OK	233.0509	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-05RE1 H	75.750	26.0	69.9	233.05	233.08	35.6	0.596	CT	233.0558	0.00	0.03	
1610786-05RE1 M	644.789	80.4	144.1	233.08	233.09	91.6	4.600	OK	233.0558	0.00	0.03	
1610786-05RE1 E	94.709	163.4	214.0	233.09	233.10	177.7	0.491	OK	233.0558	0.00	0.03	

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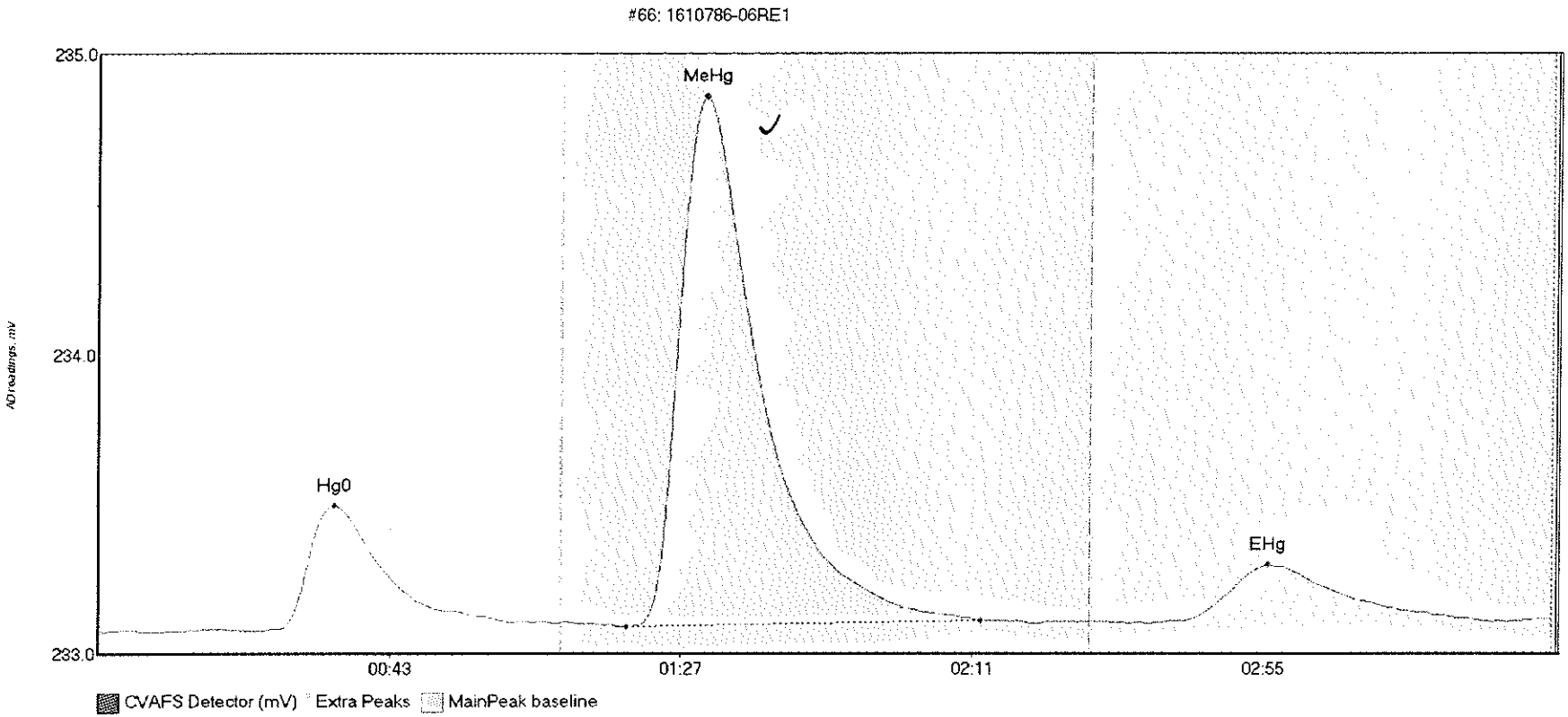
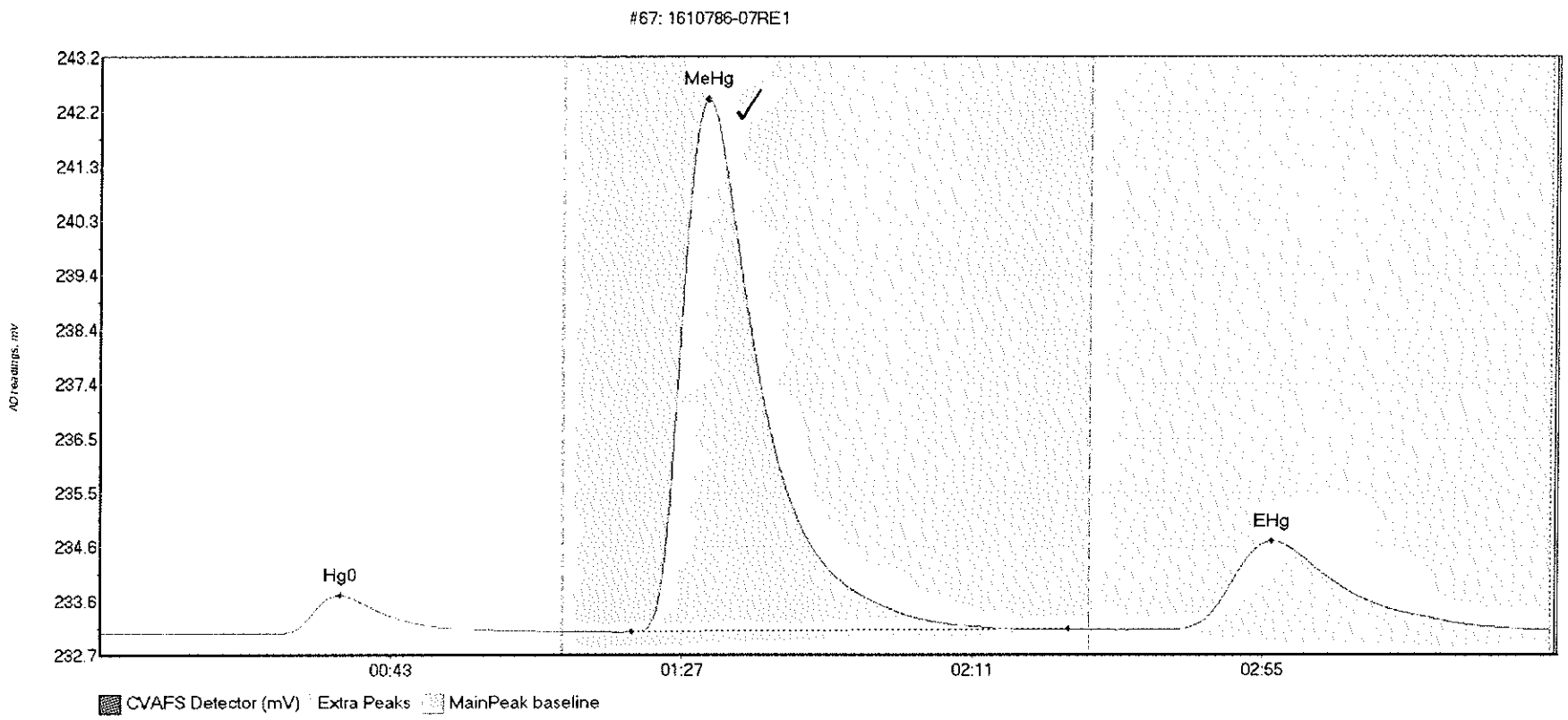
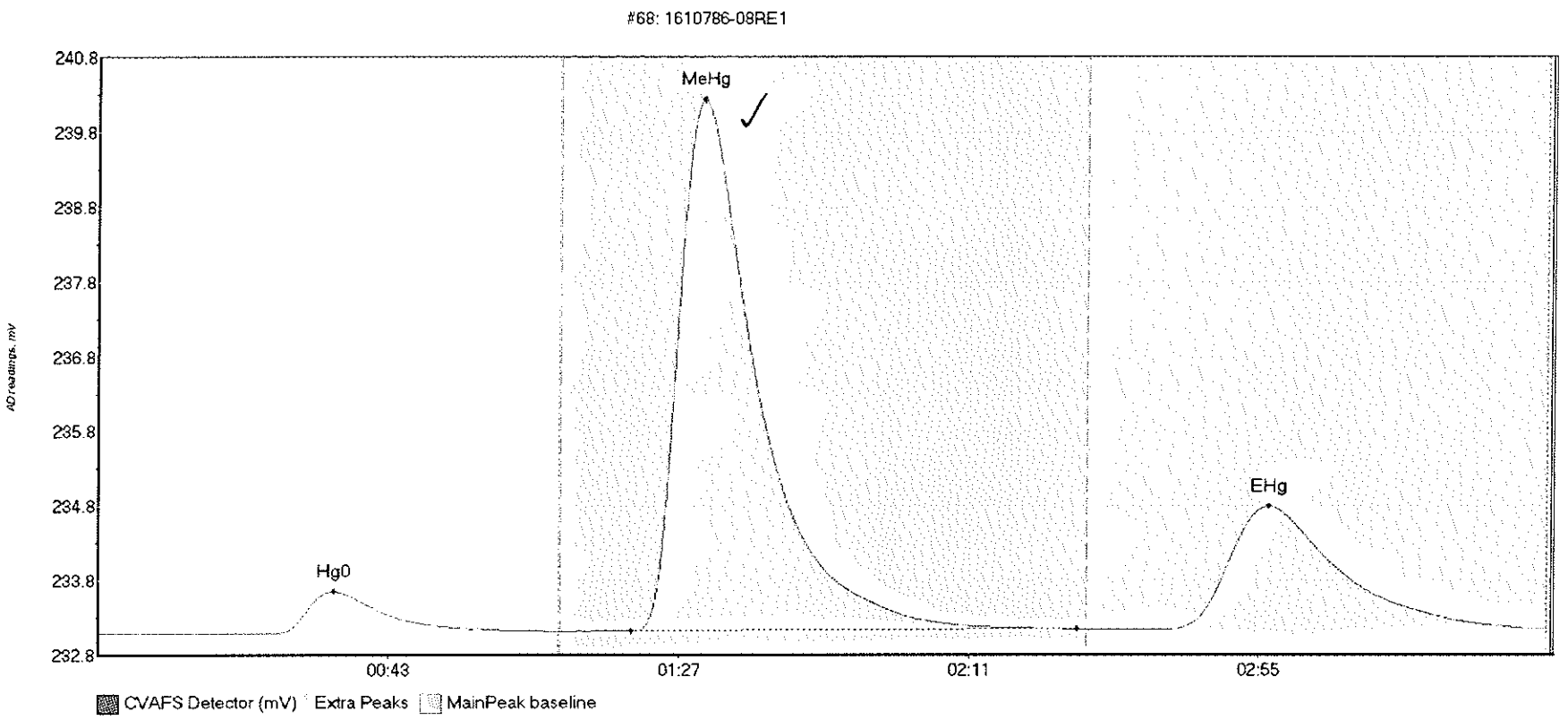


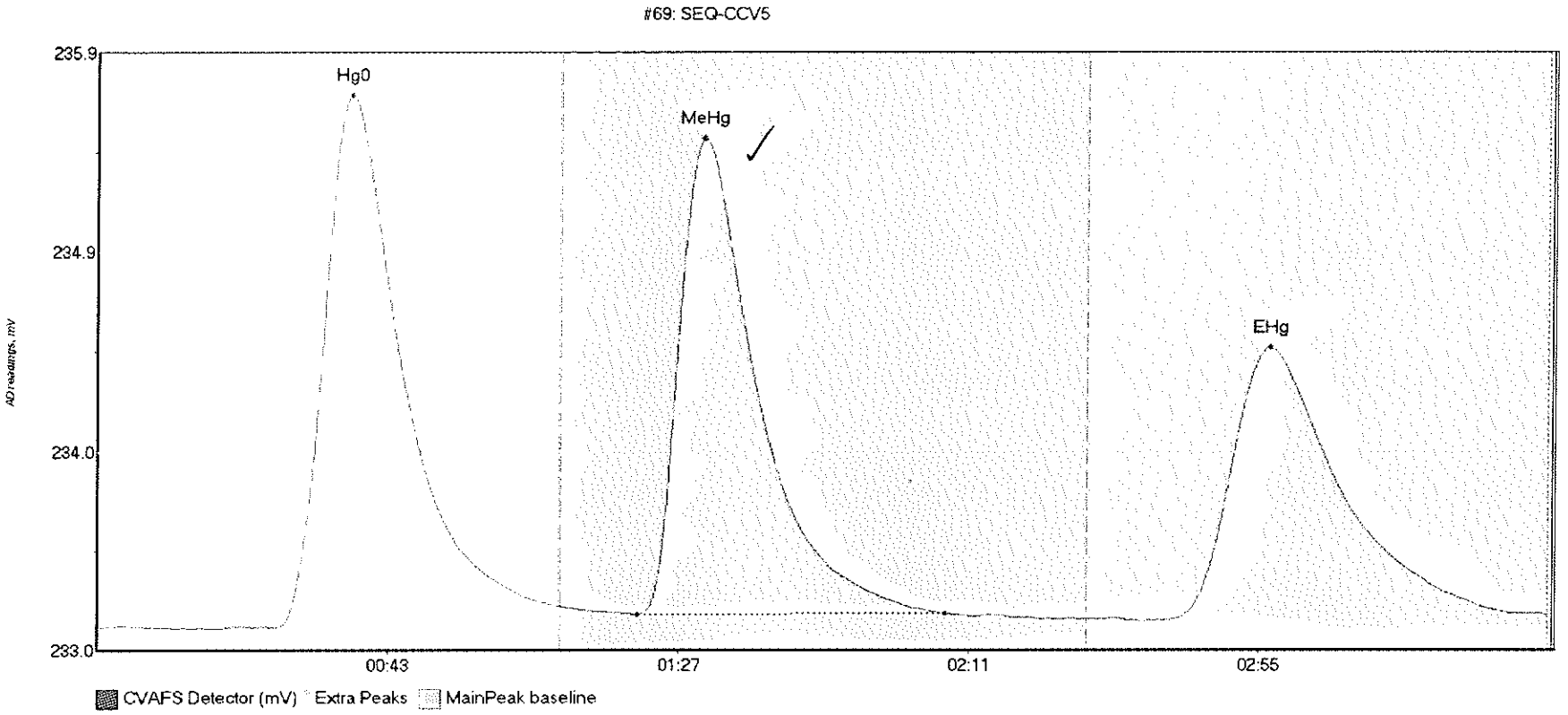
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-06RE1 H	53.865	24.6	69.2	233.06	233.08	35.7	0.422	OK	233.0589	0.00	0.04	
1610786-06RE1 M	250.406	79.9	133.3	233.08	233.09	91.7	1.777	OK	233.0589	0.00	0.04	
1610786-06RE1 E	35.156	164.0	209.6	233.09	233.09	176.8	0.186	OK	233.0589	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-07RE1 H	84.405	26.4	69.9	233.07	233.10	36.4	0.666	CT	233.0700	0.00	0.06	
1610786-07RE1 M	1307.255	80.5	146.7	233.10	233.14	91.8	9.312	OK	233.0700	0.00	0.06	
1610786-07RE1 E	298.341	161.4	219.8	233.13	233.13	177.5	1.553	CT	233.0700	0.00	0.06	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-08RE1 H	73.069	26.3	68.4	233.07	233.10	35.8	0.565	OK	233.0669	0.00	0.06	
1610786-08RE1 M	1003.336	80.8	148.4	233.10	233.12	91.7	7.143	OK	233.0669	0.00	0.06	
1610786-08RE1 E	315.531	160.6	218.8	233.12	233.13	177.6	1.664	OK	233.0669	0.00	0.06	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV5 Hg0	355.949	26.8	69.9	233.08	233.18	38.4	2.638	CT	233.0766	0.00	0.07	
SEQ-CCV5 MeHg	323.940	81.7	128.4	233.14	233.15	91.8	2.361	OK	233.0766	0.00	0.07	
SEQ-CCV5 EHg	253.230	162.3	219.8	233.12	233.14	177.7	1.352	CT	233.0766	0.00	0.07	

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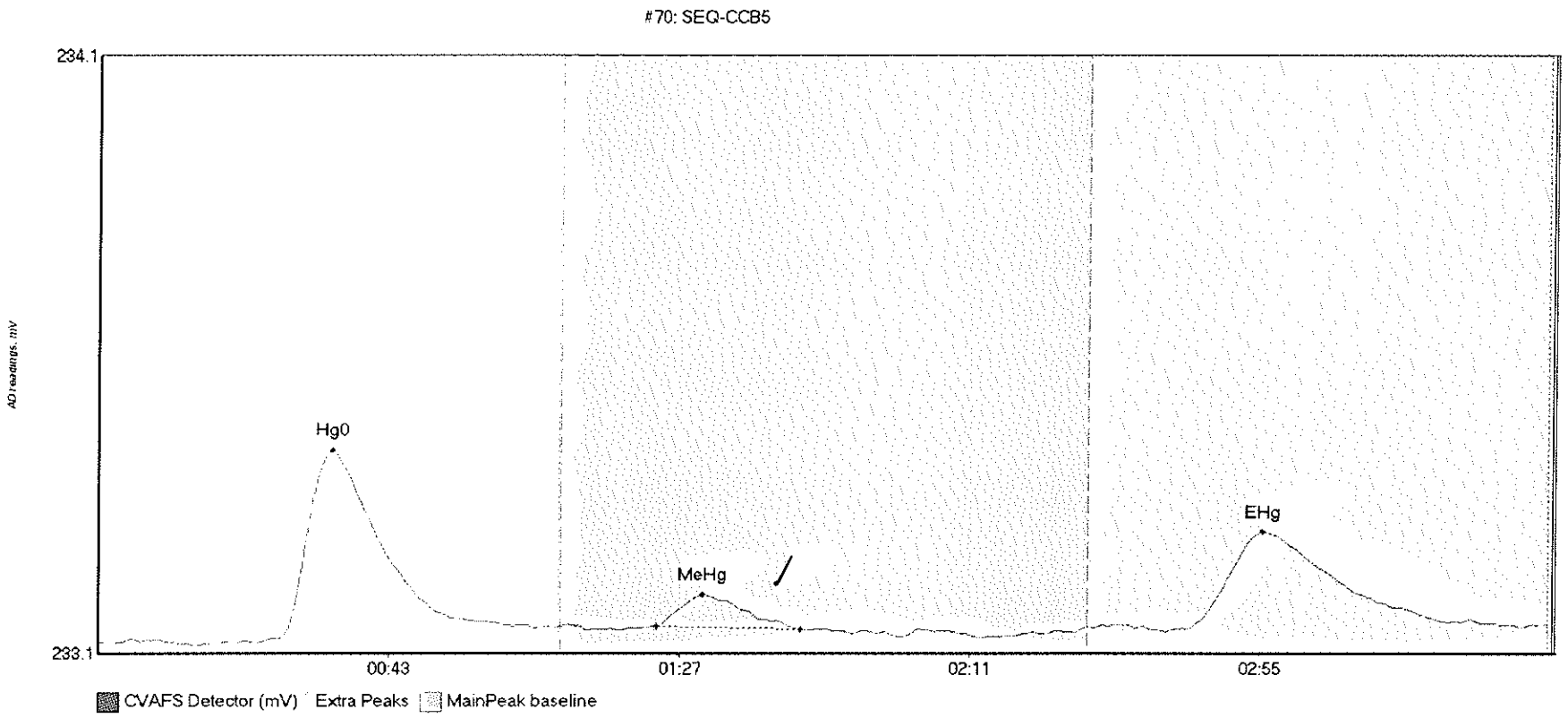
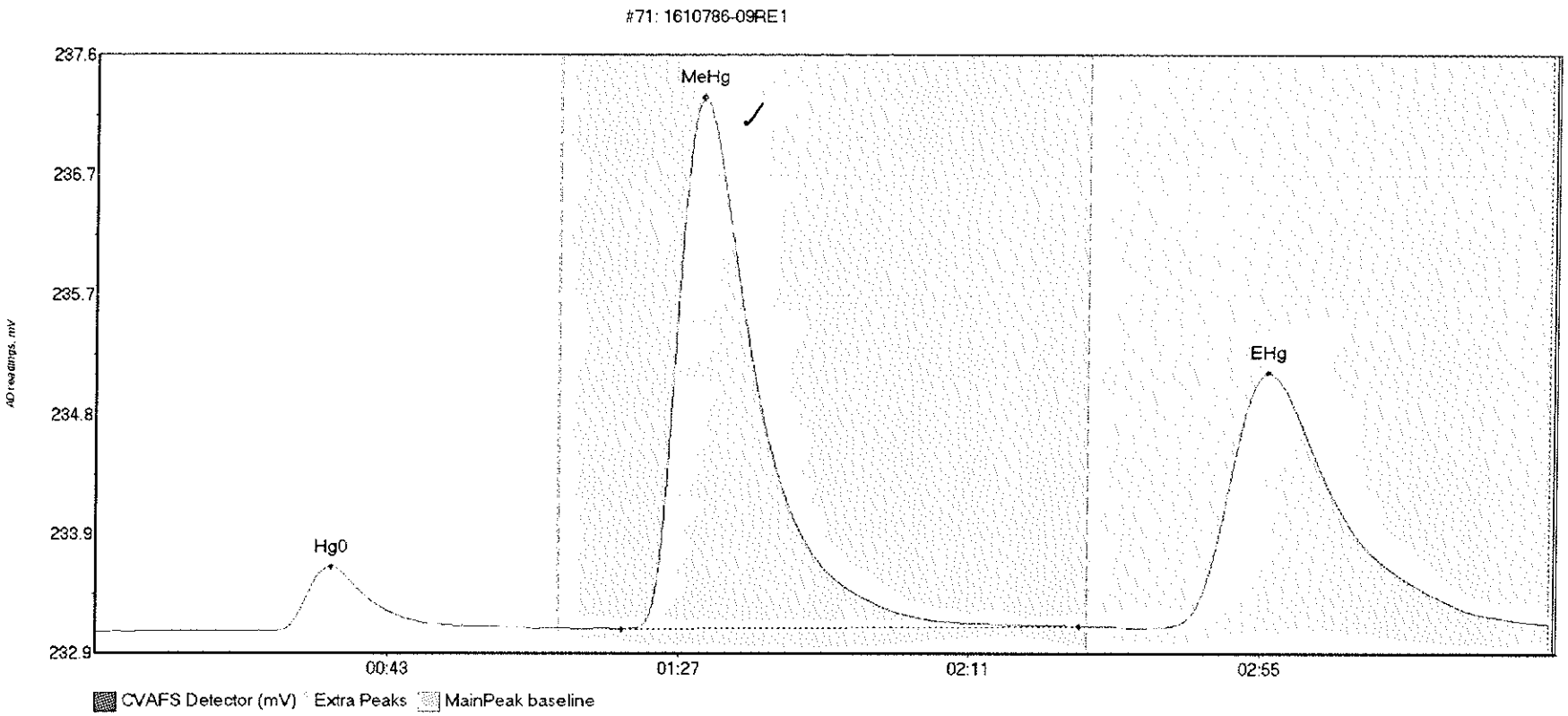


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB5 Hg0	40.424	23.9	66.2	233.08	233.11	35.5	0.323	OK	233.0864	0.00	0.03	
SEQ-CCB5 MeHg	6.095	84.4	106.4	233.11	233.11	91.4	0.053	OK	233.0864	0.00	0.03	
SEQ-CCB5 EHg	29.783	165.0	212.9	233.11	233.11	176.4	0.164	OK	233.0864	0.00	0.03	



Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-09RE1	H	56.371	5.8	66.5	233.09	233.11	35.4	0.505	OK	233.0847	0.00	0.07	
1610786-09RE1	M	578.539	79.5	148.8	233.11	233.13	91.5	4.162	OK	233.0847	0.00	0.07	
1610786-09RE1	E	378.491	160.5	219.8	233.12	233.15	177.2	1.998	CT	233.0847	0.00	0.07	

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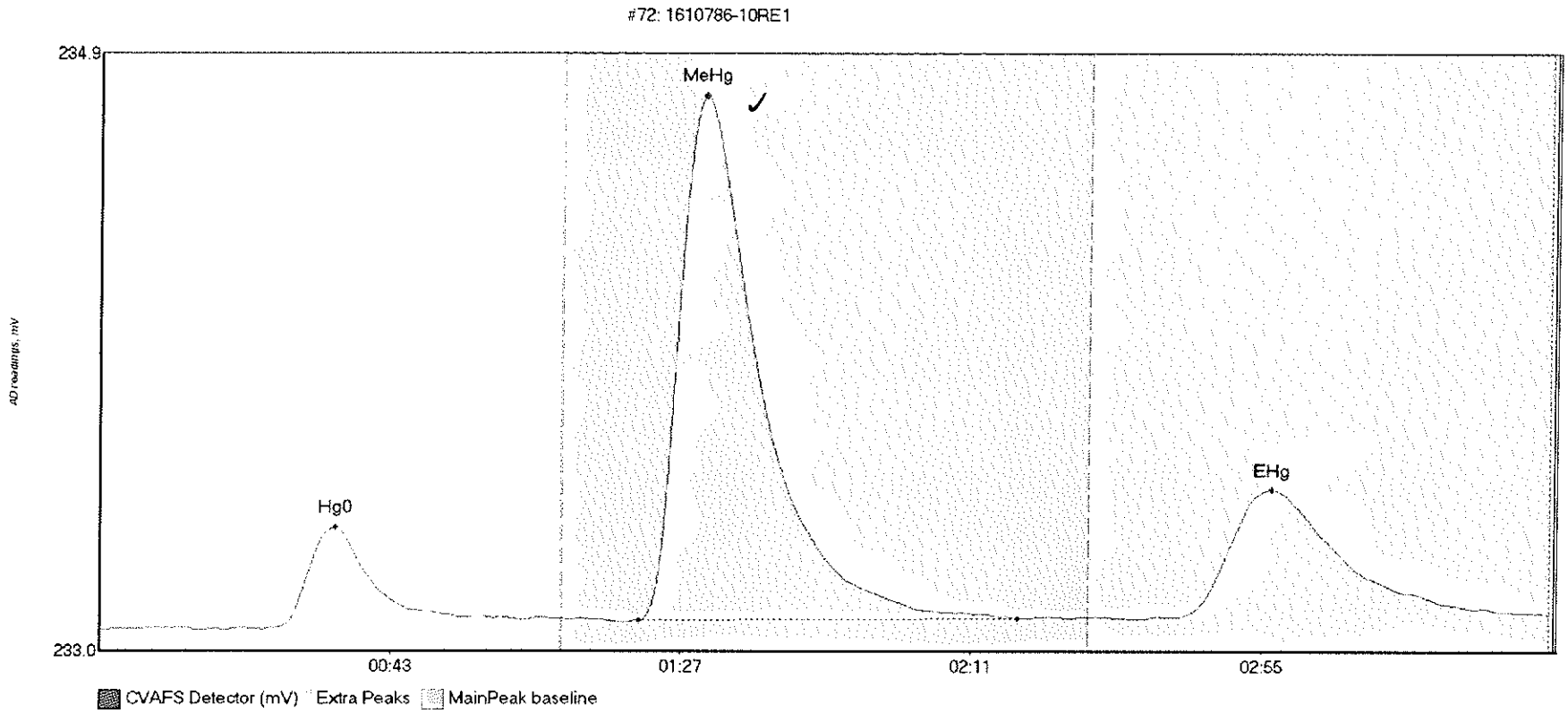
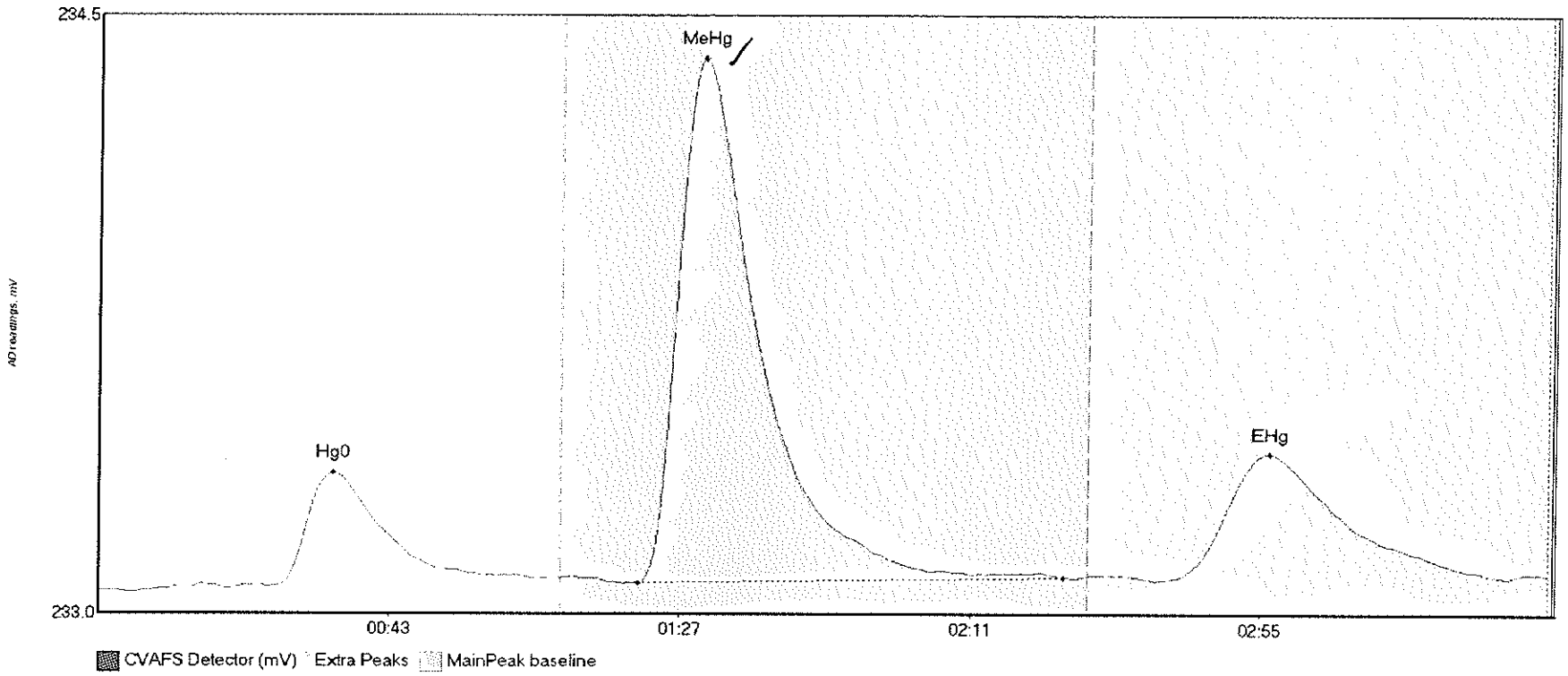
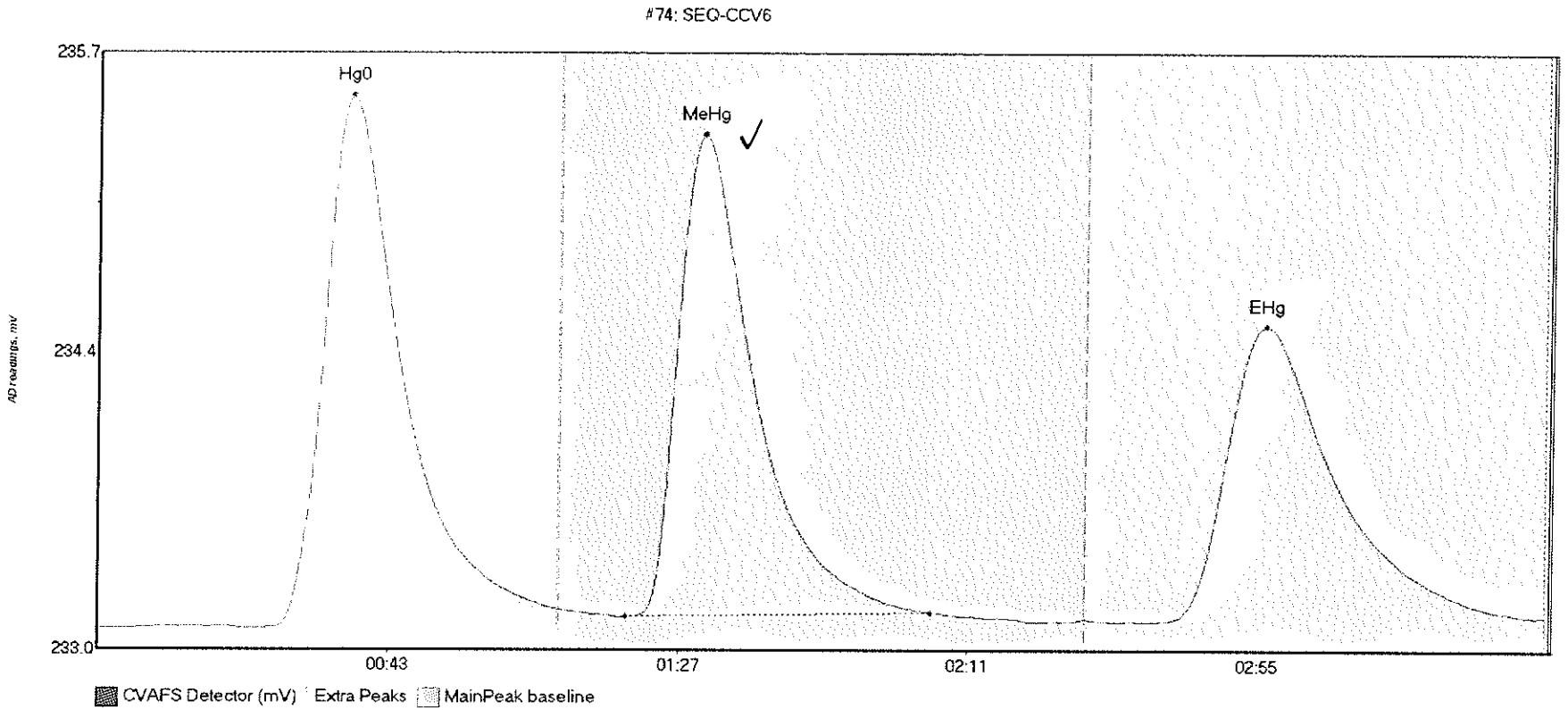


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-10RE1 H	33.858	24.8	63.8	233.09	233.12	35.7	0.314	OK	233.0888	0.00	0.05	
1610786-10RE1 M	225.777	81.7	139.1	233.12	233.12	91.5	1.617	OK	233.0888	0.00	0.05	
1610786-10RE1 E	75.400	163.0	219.8	233.13	233.14	177.4	0.397	CT	233.0888	0.00	0.05	

#73: 1610786-11RE1



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610786-11RE1 H	36.514	19.7	69.2	233.10	233.12	35.6	0.281	OK	233.0938	0.00	0.04	
1610786-11RE1 M	180.731	81.8	146.1	233.11	233.12	91.4	1.271	OK	233.0938	0.00	0.04	
1610786-11RE1 E	58.139	163.5	211.0	233.12	233.13	177.5	0.303	OK	233.0938	0.00	0.04	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV6 Hg0	326.061	24.8	69.9	233.10	233.19	38.3	2.418	CT	233.1012	0.00	0.06	
SEQ-CCV6 MeHg	295.403	80.0	126.5	233.16	233.17	91.6	2.190	OK	233.1012	0.00	0.06	
SEQ-CCV6 EHg	252.354	162.6	218.3	233.14	233.15	177.2	1.341	OK	233.1012	0.00	0.06	

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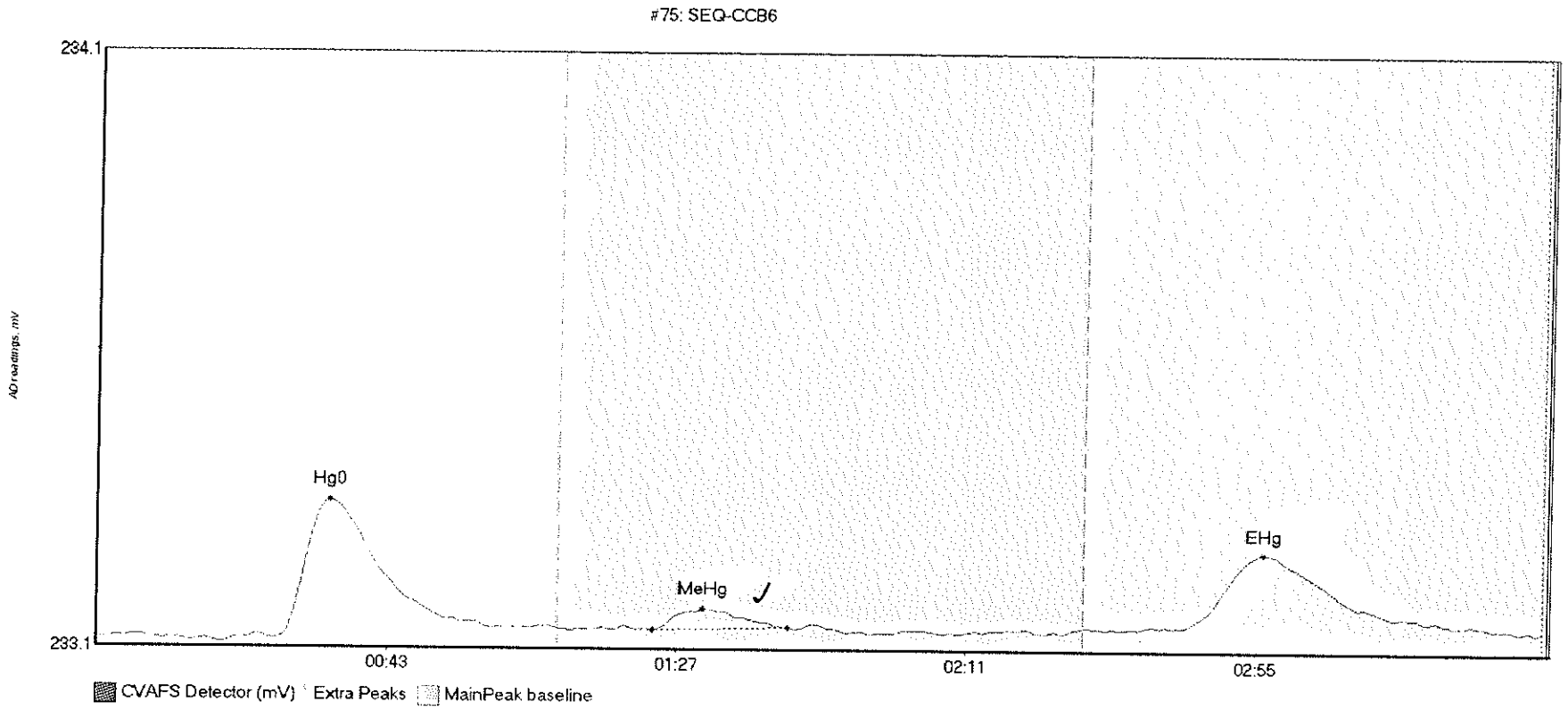

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB6 Hg0	29.288	26.5	62.4	233.08	233.10	35.2	0.233	OK	233.0826	0.00	0.02	
SEQ-CCB6 MeHg	3.693	84.5	104.9	233.10	233.10	92.0	0.034	OK	233.0826	0.00	0.02	
SEQ-CCB6 EHg	21.365	165.0	206.4	233.11	233.11	177.2	0.126	OK	233.0826	0.00	0.02	

016

Peer Review Check List for MHg for CV-GC-AFS (FGS-070) 2015 Rev 5 (08/06/2015)

Analyst:	Ryan Nelson	**Sequence #:**	6K17015
Reviewer:	DMW	**Dataset ID #:**	MHg27001-161116-1
Date:	11-17-16	**WO #:**	NA
Batch #(s):	F611346	**Client(s):**	NA

- **Select the correct preparation method.**

Analyte	Prep Method		Matrix
☐ MHg	SOP2797	MHg Distillation	Water
☐ MHg	SOP2986	KOH/MeOH Digest	Tissue
☐ MHg	SOP5134	MeCl Extraction	Sed/Soil
☐ DMHg	SOP2816 (None Accredited method)		ALL

Additional Comments:

	Analyst Initials:		Reviewer Initials:	
	RL		DMW	
1. Compare Sample ID with Bench sheet/Sequence/Raw Data (Have all samples been imported?)	☑ YES	☐ NO		☑
2. Check for transcription errors from Excel spreadsheet (or Prep Bench sheet)/Raw data	☑ YES	☐ NO		☑
(a) Reviewer: 100% of peak heights checked	☑ YES	☐ NO		☑
(b) Are there peak height errors?	☐ YES	☑ NO		☑
(c) Error on a sample: Do peak heights, responses, & initial results match corrected data?	☐ YES	☐ NO	☑ N/A	☑
(d) Error on a Cal Pt, ICB/CCB, or PB: Has the data been reimported?	☐ YES	☐ NO	☑ N/A	☑
(e) Check standards & reagents in sequence & bench sheet for correct usage (i.e. expiries).	☑ YES	☐ NO	☐ N/A	☑
(f) Check and compare masses (review prep bench sheet)	☐ YES	☐ NO	☑ N/A	☑
(g) Check and compare initial and final volumes	☑ YES	☐ NO	☐ N/A	☑
(h) Do aliquots and dilutions written on benchsheet match those in Excel?	☑ YES	☐ NO	☐ N/A	☑
(i) Is the pH>3.0 for all distilled samples? _____	☑ YES	☐ NO	☐ N/A	☑
(j) Is the sequence #, analyst, date, and instrument # on the QC page?	☑ YES	☐ NO		☑
(k) Is the analysis status correct? (analyzed/initial review/reviewed)	☑ YES	☐ NO		☑
(l) Original prep bench sheet added to data package?	☑ YES	☐ NO		☑
(m) Benchsheet prep date MUST match actual prep date (check if re-shot vs re-extract)	☑ YES	☐ NO		☑
3. High QA? WO#(s)/Client(s): _____	☐ YES	☑ NO		☑
4. Client specific QC? (if Yes, refer to Project Notes/LIMS)	☑ YES	☐ NO		☑
(a) Have the QC requirements been met for all WO#s?	☑ YES	☐ NO		☑
5. 20 or fewer samples in batch? _____	☑ YES	☐ NO		☑
(a) 3 PBs, 1 LCS/LCSD (or BS/BSD), 2 MS/MSD/MD per batch?	☑ YES	☐ NO		☑
(b) 1 CCV and 1 CCB every 10 analytical runs? _____	☑ YES	☐ NO		☑
QA/QC Data Checked				
6. The calibration curve included a minimum of 5 Standards	☑ PASS	☐ FAIL	☐ N/A	☑
Comments: _____				
7. 1st Calibration Standard % Recoveries (65-135%)	☑ PASS	☐ FAIL	☐ N/A	☑
Comments: _____				
8. RSD CF (≤ 15%)	☑ PASS	☐ FAIL		☑
Comments: _____				

Peer Review Check List for MHg for CV-GC-AFS (FGS-070) 2013 Rev 4 (08/22/2013)

Analyst:	Ryan Nelson	**Sequence #:**	6K17015
Reviewer:	0	**Dataset ID #:**	MHg27001-161116-1
Date:	11/17/2016	**WO #:**	NA
Batch #(s):	F611346	**Client(s):**	NA

	Analyst Initials: RL			Reviewer Initials: DMW
9. ICV % Recoveries 67-133%	☑ PASS	☐ FAIL		☑
Comments:				
10. CCV % Recoveries 67-133%	☑ PASS	☐ FAIL		☑
Comments:				
11. Are the absolute value of the ICB and CCBs < PQL?	☑ PASS	☐ FAIL		☑
Comments:				
12. LCS/LCSD/CRM/BS/BSD % Recoveries (70-130%)	☑ PASS	☐ FAIL		☑
Comments:				
13. LCS/LCSD or BS/BSD RPD (< 25%)	☑ PASS	☐ FAIL		☑
Comments:				
14. Water: Average of Preparation Blanks < 0.045 ng/L and standard devaition of 0.015 ng/L?	☑ PASS	☐ FAIL	☐ N/A	☑
Comments:				
15. Sediment/Tissue: Individually, are the Preparation Blanks < PQL for the matrix?	☐ PASS	☐ FAIL	☑ N/A	☑
Comments:	☐ PASS	☐ FAIL		☐
16. Have Total Solids been applied? (If NO, please ensure that they are done or nearly done)	☐ YES	☐ NO	☑ N/A	☑
17. Is the correct 'Source' designated for MD/MS/MSD?	☑ YES	☐ NO		☑
18. For digested preps: was there a spike witness signature & date on the prep bench sheet?	☑ YES	☐ NO	☐ N/A	☑
19. MD RPD/MT RSD(< 35%)	☑ PASS	☐ FAIL		☑
Comments:				
20. Is there one set of MS/MSD per every 10 samples?	☑ PASS	☐ FAIL		☑
Comments:				
21. MS/MSD RPD(< 35%)	☑ PASS	☐ FAIL		☑
Comments:				
22. MS (AS) % Recoveries (65-130%)	☑ PASS	☑ FAIL		☑
Comments: ***QM-07***				
23. MSD (ASD) % Recoveries (65-130%)	☑ PASS	☑ FAIL		☑
Comments: ***QM-07***				
24. Spiked 1-5X ambient or 1-5X PQL (whichever is higher) (from EPA 1630)	☐ YES	☑ NO		☑
25. Are all samples within instrument calibration range (or at maximum aliquot size)?	☑ YES	☐ NO		☑
Comments:				
26. For instrumental dilutions, is the dilution factor in excel correct?	☐ PASS	☐ NO	☑ N/A	☑
Is the sample volume, diluents, and final volume of the dilution noted on benchsheet?	☐ PASS	☐ NO	☑ N/A	☑
27. Dissolved < Total metals (if applicable)	☐ PASS	☐ NO	☑ N/A	☑
Comments:				
28. Effluent < Influent metals (visually confirm if needed)	☐ PASS	☐ NO	☑ N/A	☑
Comments:				

Peer Review Check List for MHg for CV-GC-AFS (FGS-070) 2013 Rev 4 (08/22/2013)

Analyst:	Ryan Nelson	**Sequence #:**	6K17015
Reviewer:	0	**Dataset ID #:**	MHg27001-161116-1
Date:	11/17/2016	**WO #:**	NA
Batch #(s):	F611346	**Client(s):**	NA

	Analyst Initials:		Reviewer Initials:	
29. Are re-runs noted with reason?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
30. For failing QC (CCV, CCB, PB, BS/BSD, CAL):	☐ YES	☐ NO	☑ N/A	☑
Was a bubbler and trap test run before the analytical run continued?				
Comments:				
31. Do re-run results compare to initial analysis (< 35% RPD)?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
32. Are qualifiers consistent with the data review flowcharts?	☑ YES	☐ NO	☐ N/A	☑
Comments: *QM-07*				
33. Have non-reportable samples been imported into LIMS and clicked to non-reportable?	☐ YES	☐ NO	☑ N/A	☑
Comments:				
34. Have re-extracts been created for non-reportable samples?	☐ YES	☐ NO	☑ N/A	☑
35. Narrations in MMO box in LIMS?				
Comments:				
36. Are there any HIGH QA projects within the data?	☐ YES	☑ NO		✓
If so, place dataset to the QA office.				
37. Does the data set need scanning?	☑ YES		☐ N/A	☑
Files located at: \\Cuprum\gen_admin\Quality Assurance\Training Master\DOCs				
38. Date of analyst IDOC/CDOC: 2/22/2016 IDOC/CDOC within last 12 months?	☑ YES	☐ NO		☑
39. Date of analyst's SOP reading: 6/8/2016 Current SOP revision?	☑ YES	☐ NO		☑
40. Date of LOD: *7/7/2016* LOD within last 3 months (within 12 months for MDN)?	☑ YES	☐ NO	☐ N/A	☑
41. Date of LOQ: *7/7/2016* LOQ within last 3 months (within 12 months for MDN)?	☑ YES	☐ NO	☐ N/A	☑
42. If MDN samples, date of last MDL study:				
43. MDL study within last 12 months?	☐ YES	☐ NO	☑ N/A	☑

Data can not be reported without a current IDOC/CDOC, LOD or LOQ.

Additional Comments:

	☐ YES	☑ NO	☑

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Analysis Datasheet for Methyl Mercury in Soil/Tissue

Date of Analysis: **November 18, 2016**
Instrument #: **Hg2700-1**
LIMS Sequence #: **6K21025, 6K21026**

Analyst: **RN**
Units **ng/L**

Calibration Statistics:

LabNumber	n	True Val	Area	Uncorrected Response Factor	Corrected Peak Height	Corrected Response Factor	% Recovery
SEQ-CAL1	1	0.05 ng/L	21.73 units	434.52	18.83 units	376.58	82.3 %Rec
SEQ-CAL2	1	0.20 ng/L	90.22 units	451.10	87.32 units	436.61	95.5 %Rec
SEQ-CAL3	1	1.00 ng/L	472.07 units	472.07	469.18 units	469.18	102.6 %Rec
SEQ-CAL4	1	2.00 ng/L	920.42 units	460.21	917.53 units	458.76	100.3 %Rec
SEQ-CAL5	1	4.00 ng/L	2184.34 units	546.08	2181.44 units	545.36	119.3 %Rec
SEQ-CAL6	0						
SEQ-CAL7	0						
SEQ-CAL8	0						
SEQ-CAL9	0						

Corr. Mean RF	Corr. St Dev RF	Corr. RSD CF	Uncorr. Mean RF
457.30	+/- 60.91	13.3% RSD	472.80

Blanks:

LabNumber	n	Mean	Std Dev	Mean (ng/L)	Std Dev (ng/L)
SEQ-IBL	1	2.90 units		0.01 ng/L	#VALUE!

QUALITY ASSURANCE
PEER - REVIEWED
INITIALS: DMW 11/21/16

Preparation Blanks

Sample Type	Batch ID	n	Mean	Std Dev
BLK	1	6	1.078 ng/L	±3.729
BLK	2	3	0.011 ng/L	±0.002
BLK	3	3	0.008 ng/L	±0.009
BLK	4	0	0.000 ng/L	
BLK	5	0	0.000 ng/L	

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	Run End	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2700-1	RN	CAL	SEQ-IBL1	1	11/18/16 8:55	18105-1.RAW	8:55:30	2.90			0.0	0.000	0.000	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL1	1	11/18/16 9:06	18106-1.RAW	9:06:00	21.73			18.8	0.041	0.041	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL2	1	11/18/16 9:16	18107-1.RAW	9:16:31	90.22			87.3	0.191	0.191	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL3	1	11/18/16 9:27	18108-1.RAW	9:27:02	472.07			469.2	1.026	1.026	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL4	1	11/18/16 9:37	18109-1.RAW	9:37:32	920.42			917.5	2.006	2.006	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL5	1	11/18/16 9:48	18110-1.RAW	9:48:03	2184.34			2181.4	4.770	4.770	ng/L	
Hg2700-1	RN	CAL	SEQ-ICV1	1	11/18/16 9:58	18111-1.RAW	9:58:34	13.91			11.0	0.024	0.024	ng/L	
Hg2700-1	RN	CAL	SEQ-ICB1	1	11/18/16 10:09	18112-1.RAW	10:09:04	5.78			2.9	0.006	0.006	ng/L	
Hg2700-1	RN	SAM	**F611352-BLK7	500	11/18/16 10:19	18113-1.RAW	10:19:35	4.76		x	1.9	0.004	2.042	ng/L	
Hg2700-1	RN	SAM	**F611352-BLK8	500	11/18/16 10:30	18114-1.RAW	10:30:06	3.77		x	0.9	0.002	0.953	ng/L	
Hg2700-1	RN	SAM	**F611352-BLK9	500	11/18/16 0:00	CAPTURING		0.04		x	-2.9	-0.006	-3.125	ng/L	
Hg2700-1	RN	CAL	SEQ-ICV2	1	11/18/16 11:00	18116-1.RAW	11:00:35	235.77			232.9	0.509	0.509	ng/L	
Hg2700-1	RN	CAL	SEQ-ICB2	1	11/18/16 11:11	18117-1.RAW	11:11:06	1.29			-1.6	-0.004	-0.004	ng/L	
Hg2700-1	RN	BLK	F611352-BLK7	500	11/18/16 11:21	18118-1.RAW	11:21:37	1.97	1		-0.9	-0.002	-1.012	ng/L	
Hg2700-1	RN	BLK	F611352-BLK8	500	11/18/16 11:32	18119-1.RAW	11:32:07	1.54	1		-1.4	-0.003	-1.479	ng/L	
Hg2700-1	RN	BLK	F611352-BLK9	500	11/18/16 11:42	18120-1.RAW	11:42:38	0.00	1		-2.9	-0.006	-3.167	ng/L	
Hg2700-1	RN	SAM	1610618-02RE1	500	11/18/16 11:53	18121-1.RAW	11:53:09	390.96	1		388.1	0.846	423.225	ng/L	
Hg2700-1	RN	SAM	1610618-03RE1	500	11/18/16 12:03	18122-1.RAW	12:03:39	285.64	1		282.7	0.616	308.069	ng/L	
Hg2700-1	RN	SAM	1610618-04RE1	2500	11/18/16 12:14	18123-1.RAW	12:14:10	310.73	1		307.8	0.673	1681.805	ng/L	
Hg2700-1	RN	SAM	1610618-05RE1	2500	11/18/16 12:24	18124-1.RAW	12:24:41	217.15	1		214.3	0.468	1170.230	ng/L	
Hg2700-1	RN	SAM	1610618-06RE1	500	11/18/16 12:35	18125-1.RAW	12:35:11	476.52	1		473.6	1.034	516.767	ng/L	
Hg2700-1	RN	SAM	1610618-07RE1	2500	11/18/16 12:45	18126-1.RAW	12:45:42	1374.82	1		1371.9	3.000	7499.077	ng/L	
Hg2700-1	RN	SAM	1610618-08RE1	2500	11/18/16 12:56	18127-1.RAW	12:56:13	832.81	1		829.9	1.814	4535.953	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV1	1	11/18/16 13:06	18128-1.RAW	13:06:43	231.20			228.3	0.499	0.499	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB1	1	11/18/16 13:17	18129-1.RAW	13:17:14	5.10			2.2	0.005	0.005	ng/L	
Hg2700-1	RN	BLK	F611388-BLK1	1.25	11/18/16 13:27	18130-1.RAW	13:27:45	7.15	2		4.3	0.009	0.012	ng/L	
Hg2700-1	RN	BLK	F611388-BLK2	1.25	11/18/16 13:38	18131-1.RAW	13:38:15	5.90	2		3.0	0.007	0.008	ng/L	
Hg2700-1	RN	BLK	F611388-BLK3	1.25	11/18/16 13:48	18132-1.RAW	13:48:46	7.38	2		4.5	0.010	0.012	ng/L	
Hg2700-1	RN	SAM	F611388-BS1	1.25	11/18/16 13:59	18133-1.RAW	13:59:17	405.30	2		402.4	0.871	1.089	ng/L	
Hg2700-1	RN	SAM	F611388-BSD1	1.25	11/18/16 14:09	18134-1.RAW	14:09:47	393.09	2		390.2	0.845	1.056	ng/L	
Hg2700-1	RN	SAM	F611388-DUP1	1.25	11/18/16 14:20	18135-1.RAW	14:20:18	477.77	2		474.9	1.030	1.287	ng/L	
Hg2700-1	RN	SAM	F611388-MS1	1.25	11/18/16 14:30	18136-1.RAW	14:30:49	927.49	2		924.6	2.013	2.517	ng/L	
Hg2700-1	RN	SAM	F611388-MSD1	1.25	11/18/16 14:41	18137-1.RAW	14:41:20	937.41	2		934.5	2.035	2.544	ng/L	
Hg2700-1	RN	SAM	F611388-MS2	1.25	11/18/16 14:51	18138-1.RAW	14:51:51	420.83	2		417.9	0.905	1.132	ng/L	
Hg2700-1	RN	SAM	F611388-MSD2	1.25	11/18/16 15:02	18139-1.RAW	15:02:22	433.98	2		431.1	0.934	1.168	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV2	1	11/18/16 15:12	18140-1.RAW	15:12:53	263.14			260.2	0.569	0.569	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB2	1	11/18/16 15:23	18141-1.RAW	15:23:24	6.76			3.9	0.008	0.008	ng/L	
Hg2700-1	RN	SAM	1610654-01	1.25	11/18/16 15:33	18142-1.RAW	15:33:54	518.99	2		516.1	1.120	1.400	ng/L	
Hg2700-1	RN	SAM	1610654-03	1.25	11/18/16 15:44	18143-1.RAW	15:44:25	514.52	2		511.6	1.110	1.388	ng/L	
Hg2700-1	RN	SAM	1610654-05	1.25	11/18/16 15:54	18144-1.RAW	15:54:56	445.47	2		442.6	0.959	1.199	ng/L	
Hg2700-1	RN	SAM	1610654-07	1.25	11/18/16 16:05	18145-1.RAW	16:05:26	394.78	2		391.9	0.848	1.060	ng/L	
Hg2700-1	RN	SAM	1610654-09	1.25	11/18/16 16:15	18146-1.RAW	16:15:57	439.04	2		436.1	0.945	1.181	ng/L	
Hg2700-1	RN	SAM	1610654-11	1.25	11/18/16 16:26	18147-1.RAW	16:26:28	418.64	2		415.7	0.901	1.126	ng/L	
Hg2700-1	RN	SAM	1610654-13	1.25	11/18/16 16:36	18148-1.RAW	16:36:58	8.79	2		5.9	0.004	0.005	ng/L	
Hg2700-1	RN	SAM	1610740-01	1.25	11/18/16 16:47	18149-1.RAW	16:47:29	3.81	2		0.9	-0.007	-0.008	ng/L	
Hg2700-1	RN	SAM	1610740-02	1.25	11/18/16 16:58	18150-1.RAW	16:58:00	4.71	2		1.8	-0.005	-0.006	ng/L	

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	Run End	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2700-1	RN	SAM	1610785-05	1.25	11/18/16 17:08	18151-1.RAW	17:08:30	3.31	2		0.4	-0.008	-0.010	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV3	1	11/18/16 17:19	18152-1.RAW	17:19:01	267.44			264.5	0.578	0.578	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB3	1	11/18/16 17:29	18153-1.RAW	17:29:32	3.31			0.4	0.001	0.001	ng/L	
Hg2700-1	RN	SAM	1610786-12	1.25	11/18/16 17:40	18154-1.RAW	17:40:02	3.70	2		0.8	-0.007	-0.008	ng/L	
Hg2700-1	RN	SAM	1610828-10	1.25	11/18/16 17:50	18155-1.RAW	17:50:33	6.18	2		3.3	-0.001	-0.002	ng/L	
Hg2700-1	RN	SAM	1610860-12	1.25	11/18/16 18:01	18156-1.RAW	18:01:04	14.71	2		11.8	0.017	0.022	ng/L	
Hg2700-1	RN	SAM	1610860-13	1.25	11/18/16 18:11	18157-1.RAW	18:11:34	47.75	2		44.8	0.090	0.112	ng/L	
Hg2700-1	RN	SAM	1610860-14	1.25	11/18/16 18:22	18158-1.RAW	18:22:05	17.97	2		15.1	0.024	0.030	ng/L	
Hg2700-1	RN	SAM	1610860-15	1.25	11/18/16 18:32	18159-1.RAW	18:32:36	32.72	2		29.8	0.057	0.071	ng/L	
Hg2700-1	RN	SAM	1610860-16	1.25	11/18/16 18:43	18160-1.RAW	18:43:06	28.55	2		25.6	0.048	0.059	ng/L	
Hg2700-1	RN	SAM	1610860-17	1.25	11/18/16 18:53	18161-1.RAW	18:53:37	1.05	2		-1.9	-0.013	-0.016	ng/L	
Hg2700-1	RN	SAM	1610860-18	1.25	11/18/16 19:04	18162-1.RAW	19:04:08	1.66	2		-1.2	-0.011	-0.014	ng/L	
Hg2700-1	RN	SAM	1611168-01	1.25	11/18/16 19:14	18163-1.RAW	19:14:39	5.70	2		2.8	-0.002	-0.003	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV4	1	11/18/16 19:25	18164-1.RAW	19:25:09	266.24			263.3	0.576	0.576	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB4	1	11/18/16 19:35	18165-1.RAW	19:35:40	1.05			-1.8	-0.004	-0.004	ng/L	
Hg2700-1	RN	BLK	F611323-BLK4	1	11/18/16 19:46	18166-1.RAW	19:46:11	11.20	3		8.3	0.018	0.018	ng/L	
Hg2700-1	RN	BLK	F611323-BLK5	1	11/18/16 19:56	18167-1.RAW	19:56:41	4.89	3		2.0	0.004	0.004	ng/L	
Hg2700-1	RN	BLK	F611323-BLK6	1	11/18/16 20:07	18168-1.RAW	20:07:12	3.22	3		0.3	0.001	0.001	ng/L	
Hg2700-1	RN	SAM	1610865-03RE1	125	11/18/16 20:17	18169-1.RAW	20:17:43	444.72	3		441.8	0.966	120.761	ng/L	
Hg2700-1	RN	SAM	1611082-01RE1	1	11/18/16 20:28	18170-1.RAW	20:28:13	174.44	3		171.5	0.367	0.367	ng/L	
Hg2700-1	RN	SAM	1610618-09RE1	500	11/18/16 20:38	18171-1.RAW	20:38:44	742.44	1		739.5	1.615	807.516	ng/L	
Hg2700-1	RN	SAM	1610618-10RE1	500	11/18/16 20:49	18172-1.RAW	20:49:15	467.41	1		464.5	1.014	506.811	ng/L	
Hg2700-1	RN	SAM	1611293-02RE1	500	11/18/16 20:59	18173-1.RAW	20:59:45	122.10	1		119.2	0.259	129.258	ng/L	
Hg2700-1	RN	SAM	1611293-03RE1	2500	11/18/16 21:10	18174-1.RAW	21:10:16	1493.53	1		1490.6	3.259	8148.042	ng/L	
Hg2700-1	RN	SAM	1611293-04RE1	2500	11/18/16 21:20	18175-1.RAW	21:20:47	1035.58	1		1032.7	2.258	5644.464	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV5	1	11/18/16 21:31	18176-1.RAW	21:31:17	306.09			303.2	0.663	0.663	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB5	1	11/18/16 21:41	18177-1.RAW	21:41:48	7.19			4.3	0.009	0.009	ng/L	
Hg2700-1	RN	SAM	1611293-05RE1	2500	11/18/16 21:52	18178-1.RAW	21:52:19	1803.85	1		1801.0	3.938	9844.506	ng/L	
Hg2700-1	RN	SAM	1611293-06RE1	2500	11/18/16 22:02	18179-1.RAW	22:02:49	1045.26	1		1042.4	2.279	5697.392	ng/L	
Hg2700-1	RN	SAM	1611293-07RE1	2500	11/18/16 22:13	18180-1.RAW	22:13:20	1488.80	1		1485.9	3.249	8122.145	ng/L	
Hg2700-1	RN	SAM	F611352-DUP2	500	11/18/16 22:23	18181-1.RAW	22:23:51	278.37	1		275.5	0.600	300.115	ng/L	
Hg2700-1	RN	SAM	F611352-MS3	500	11/18/16 22:34	18182-1.RAW	22:34:21	613.24	1		610.3	1.333	666.254	ng/L	
Hg2700-1	RN	SAM	F611352-MSD3	500	11/18/16 22:44	18183-1.RAW	22:44:52	616.44	1		613.5	1.340	669.759	ng/L	
Hg2700-1	RN	BLK	F611352-BLKA	500	11/18/16 22:55	18184-1.RAW	22:55:23	8.89	1		6.0	0.013	6.558	ng/L	
Hg2700-1	RN	BLK	F611352-BLKB	500	11/18/16 23:05	18185-1.RAW	23:05:53	6.85	1		4.0	0.009	4.323	ng/L	
Hg2700-1	RN	BLK	F611352-BLKC	500	11/18/16 23:16	18186-1.RAW	23:16:24	4.04	1		1.1	0.002	1.247	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV6	1	11/18/16 23:26	18187-1.RAW	23:26:55	317.06			314.2	0.687	0.687	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB6	1	11/18/16 23:37	18188-1.RAW	23:37:26	3.96			1.1	0.002	0.002	ng/L	

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Frontier Global Sciences

Analysis Datasheet for Methyl Mercury in Waters

Date of Analysis: November 18, 2016
Instrument #: Hg2700-1
LIMS Sequence #: 6K21024 11/22/16

Analyst: RN
Units ng/L

Calibration Statistics:

LabNumber	n	True Val	Area	Uncorrected Response Factor	Corrected Peak Height	Corrected Response Factor	% Recovery
SEQ-CAL1	1	0.05 ng/L	21.73 units	434.52	18.83 units	376.58	82.3 %Rec
SEQ-CAL2	1	0.20 ng/L	90.22 units	451.10	87.32 units	436.61	95.5 %Rec
SEQ-CAL3	1	1.00 ng/L	472.07 units	472.07	469.18 units	469.18	102.6 %Rec
SEQ-CAL4	1	2.00 ng/L	920.42 units	460.21	917.53 units	458.76	100.3 %Rec
SEQ-CAL5	1	4.00 ng/L	2184.34 units	546.08	2181.44 units	545.36	119.3 %Rec
SEQ-CAL6	0						
SEQ-CAL7	0						
SEQ-CAL8	0						
SEQ-CAL9	0						

Corr. Mean RF	Corr. St Dev RF	Corr. RSD CF	Uncorr. Mean RF	Eff Factor
457.30	+/- 60.91	13.3% RSD	472.80	**0.8046**

MDN Only

SEQ-CAL1	
SEQ-CAL2	
SEQ-CAL3	
SEQ-CAL4	
SEQ-CAL5	
SEQ-CAL6	NA
SEQ-CAL7	NA
SEQ-CAL8	NA
SEQ-CAL9	NA
SEQ-ICV/CCV	
Acetate Buffer	
Ethylating Agent	

Blanks:

LabNumber	n	Mean	Std Dev	Mean (ng/L)	Std Dev (ng/L)
SEQ-IBL	1	2.90 units		0.01 ng/L	#VALUE!

Preparation Blanks

Sample Type	Batch ID	n	Mean	Std Dev
BLK	1	6	1.340 ng/L	±4.634
BLK	2	3	0.013 ng/L	±0.003
BLK	3	3	0.010 ng/L	±0.011
BLK	4	0	0.000 ng/L	
BLK	5	0	0.000 ng/L	

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	Run End	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2700-1	RN	CAL	SEQ-IBL1	1	11/18/16 8:55	18105-1.RAW	8:55	2.90			0.0	0.000	0.000	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL1	1	11/18/16 9:06	18106-1.RAW	9:06	21.73			18.8	0.041	0.041	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL2	1	11/18/16 9:16	18107-1.RAW	9:16	90.22			87.3	0.191	0.191	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL3	1	11/18/16 9:27	18108-1.RAW	9:27	472.07			469.2	1.026	1.026	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL4	1	11/18/16 9:37	18109-1.RAW	9:37	920.42			917.5	2.006	2.006	ng/L	
Hg2700-1	RN	CAL	SEQ-CAL5	1	11/18/16 9:48	18110-1.RAW	9:48	2184.34			2181.4	4.770	4.770	ng/L	
Hg2700-1	RN	CAL	SEQ-ICV1	1	11/18/16 9:58	18111-1.RAW	9:58	13.91			11.0	0.024	0.024	ng/L	
Hg2700-1	RN	CAL	SEQ-ICB1	1	11/18/16 10:09	18112-1.RAW	10:09	5.78			2.9	0.006	0.006	ng/L	
Hg2700-1	RN	SAM	**F611352-BLK7	500	11/18/16 10:19	18113-1.RAW	10:19	4.76		x	1.9	0.005	2.537	ng/L	Do not upload
Hg2700-1	RN	SAM	**F611352-BLK8	500	11/18/16 10:30	18114-1.RAW	10:30	3.77		x	0.9	0.002	1.184	ng/L	Do not upload
Hg2700-1	RN	SAM	**F611352-BLK9	500	11/18/16 0:00	CAPTURING		0.04		x	-2.9	-0.008	-3.884	ng/L	Do not upload
Hg2700-1	RN	CAL	SEQ-ICV2	1	11/18/16 11:00	18116-1.RAW	11:00	235.77			232.9	0.509	0.509	ng/L	
Hg2700-1	RN	CAL	SEQ-ICB2	1	11/18/16 11:11	18117-1.RAW	11:11	1.29			-1.6	-0.004	-0.004	ng/L	
Hg2700-1	RN	BLK	F611352-BLK7	500	11/18/16 11:21	18118-1.RAW	11:21	1.97	1		-0.9	-0.003	-1.257	ng/L	
Hg2700-1	RN	BLK	F611352-BLK8	500	11/18/16 11:32	18119-1.RAW	11:32	1.54	1		-1.4	-0.004	-1.838	ng/L	
Hg2700-1	RN	BLK	F611352-BLK9	500	11/18/16 11:42	18120-1.RAW	11:42	0.00	1		-2.9	-0.008	-3.936	ng/L	
Hg2700-1	RN	SAM	1610618-02RE1	500	11/18/16 11:53	18121-1.RAW	11:53	390.96	1		388.1	1.052	526.007	ng/L	
Hg2700-1	RN	SAM	1610618-03RE1	500	11/18/16 12:03	18122-1.RAW	12:03	285.64	1		282.7	0.766	382.885	ng/L	
Hg2700-1	RN	SAM	1610618-04RE1	2500	11/18/16 12:14	18123-1.RAW	12:14	310.73	1		307.8	0.836	2090.238	ng/L	
Hg2700-1	RN	SAM	1610618-05RE1	2500	11/18/16 12:24	18124-1.RAW	12:24	217.15	1		214.3	0.582	1454.424	ng/L	
Hg2700-1	RN	SAM	1610618-06RE1	500	11/18/16 12:35	18125-1.RAW	12:35	476.52	1		473.6	1.285	642.265	ng/L	
Hg2700-1	RN	SAM	1610618-07RE1	2500	11/18/16 12:45	18126-1.RAW	12:45	1374.82	1		1371.9	3.728	9320.255	ng/L	
Hg2700-1	RN	SAM	1610618-08RE1	2500	11/18/16 12:56	18127-1.RAW	12:56	832.81	1		829.9	2.255	5637.525	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV1	1	11/18/16 13:06	18128-1.RAW	13:06	231.20			228.3	0.499	0.499	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB1	1	11/18/16 13:17	18129-1.RAW	13:17	5.10			2.2	0.005	0.005	ng/L	
Hg2700-1	RN	BLK	F611388-BLK1	1.25	11/18/16 13:27	18130-1.RAW	13:27	7.15	2		4.3	0.012	0.014	ng/L	
Hg2700-1	RN	BLK	F611388-BLK2	1.25	11/18/16 13:38	18131-1.RAW	13:38	5.90	2		3.0	0.008	0.010	ng/L	
Hg2700-1	RN	BLK	F611388-BLK3	1.25	11/18/16 13:48	18132-1.RAW	13:48	7.38	2		4.5	0.012	0.015	ng/L	
Hg2700-1	RN	SAM	F611388-BS1	1.25	11/18/16 13:59	18133-1.RAW	13:59	405.30	2		402.4	1.083	1.354	ng/L	
Hg2700-1	RN	SAM	F611388-BSD1	1.25	11/18/16 14:09	18134-1.RAW	14:09	393.09	2		390.2	1.050	1.312	ng/L	
Hg2700-1	RN	SAM	F611388-DUP1	1.25	11/18/16 14:20	18135-1.RAW	14:20	477.77	2		474.9	1.280	1.600	ng/L	
Hg2700-1	RN	SAM	F611388-MS1	1.25	11/18/16 14:30	18136-1.RAW	14:30	927.49	2		924.6	2.502	3.128	ng/L	
Hg2700-1	RN	SAM	F611388-MSD1	1.25	11/18/16 14:41	18137-1.RAW	14:41	937.41	2		934.5	2.529	3.161	ng/L	
Hg2700-1	RN	SAM	F611388-MS2	1.25	11/18/16 14:51	18138-1.RAW	14:51	420.83	2		417.9	1.125	1.407	ng/L	
Hg2700-1	RN	SAM	F611388-MSD2	1.25	11/18/16 15:02	18139-1.RAW	15:02	433.98	2		431.1	1.161	1.451	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV2	1	11/18/16 15:12	18140-1.RAW	15:12	263.14			260.2	0.569	0.569	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB2	1	11/18/16 15:23	18141-1.RAW	15:23	6.76			3.9	0.008	0.008	ng/L	
Hg2700-1	RN	SAM	1610654-01	1.25	11/18/16 15:33	18142-1.RAW	15:33	518.99	2		516.1	1.392	1.740	ng/L	
Hg2700-1	RN	SAM	1610654-03	1.25	11/18/16 15:44	18143-1.RAW	15:44	514.52	2		511.6	1.380	1.725	ng/L	
Hg2700-1	RN	SAM	1610654-05	1.25	11/18/16 15:54	18144-1.RAW	15:54	445.47	2		442.6	1.192	1.490	ng/L	
Hg2700-1	RN	SAM	1610654-07	1.25	11/18/16 16:05	18145-1.RAW	16:05	394.78	2		391.9	1.054	1.318	ng/L	
Hg2700-1	RN	SAM	1610654-09	1.25	11/18/16 16:15	18146-1.RAW	16:15	439.04	2		436.1	1.175	1.468	ng/L	
Hg2700-1	RN	SAM	1610654-11	1.25	11/18/16 16:26	18147-1.RAW	16:26	418.64	2		415.7	1.119	1.399	ng/L	
Hg2700-1	RN	SAM	1610654-13	1.25	11/18/16 16:36	18148-1.RAW	16:36	8.79	2		5.9	0.005	0.007	ng/L	
Hg2700-1	RN	SAM	1610740-01	1.25	11/18/16 16:47	18149-1.RAW	16:47	3.81	2		0.9	-0.008	-0.010	ng/L	
Hg2700-1	RN	SAM	1610740-02	1.25	11/18/16 16:58	18150-1.RAW	16:58	4.71	2		1.8	-0.006	-0.007	ng/L	

Instrument	Analyst	Sample Type	LabNumber	Dilution	Analyzed	FileID	Run End	Uncorrected Response	Batch ID	No PB Correction?	RESP	InitialResult	FinalResult	InitialUnits	Comments
Hg2700-1	RN	SAM	1610785-05	1.25	11/18/16 17:08	18151-1.RAW	17:08	3.31	2		0.4	-0.009	-0.012	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV3	1	11/18/16 17:19	18152-1.RAW	17:19	267.44			264.5	0.578	0.578	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB3	1	11/18/16 17:29	18153-1.RAW	17:29	3.31			0.4	0.001	0.001	ng/L	
Hg2700-1	RN	SAM	1610786-12	1.25	11/18/16 17:40	18154-1.RAW	17:40	3.70	2		0.8	-0.008	-0.011	ng/L	
Hg2700-1	RN	SAM	1610828-10	1.25	11/18/16 17:50	18155-1.RAW	17:50	6.18	2		3.3	-0.002	-0.002	ng/L	
Hg2700-1	RN	SAM	1610860-12	1.25	11/18/16 18:01	18156-1.RAW	18:01	14.71	2		11.8	0.021	0.027	ng/L	
Hg2700-1	RN	SAM	1610860-13	1.25	11/18/16 18:11	18157-1.RAW	18:11	47.75	2		44.8	0.111	0.139	ng/L	
Hg2700-1	RN	SAM	1610860-14	1.25	11/18/16 18:22	18158-1.RAW	18:22	17.97	2		15.1	0.030	0.038	ng/L	
Hg2700-1	RN	SAM	1610860-15	1.25	11/18/16 18:32	18159-1.RAW	18:32	32.72	2		29.8	0.070	0.088	ng/L	
Hg2700-1	RN	SAM	1610860-16	1.25	11/18/16 18:43	18160-1.RAW	18:43	28.55	2		25.6	0.059	0.074	ng/L	
Hg2700-1	RN	SAM	1610860-17	1.25	11/18/16 18:53	18161-1.RAW	18:53	1.05	2		-1.9	-0.016	-0.020	ng/L	
Hg2700-1	RN	SAM	1610860-18	1.25	11/18/16 19:04	18162-1.RAW	19:04	1.66	2		-1.2	-0.014	-0.018	ng/L	
Hg2700-1	RN	SAM	1611168-01	1.25	11/18/16 19:14	18163-1.RAW	19:14	5.70	2		2.8	-0.003	-0.004	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV4	1	11/18/16 19:25	18164-1.RAW	19:25	266.24			263.3	0.576	0.576	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB4	1	11/18/16 19:35	18165-1.RAW	19:35	1.05			-1.8	-0.004	-0.004	ng/L	
Hg2700-1	RN	BLK	F611323-BLK4	1	11/18/16 19:46	18166-1.RAW	19:46	11.20	3		8.3	0.023	0.023	ng/L	
Hg2700-1	RN	BLK	F611323-BLK5	1	11/18/16 19:56	18167-1.RAW	19:56	4.89	3		2.0	0.005	0.005	ng/L	
Hg2700-1	RN	BLK	F611323-BLK6	1	11/18/16 20:07	18168-1.RAW	20:07	3.22	3		0.3	0.001	0.001	ng/L	
Hg2700-1	RN	SAM	1610865-03RE1	125	11/18/16 20:17	18169-1.RAW	20:17	444.72	3		441.8	1.201	150.088	ng/L	
Hg2700-1	RN	SAM	1611082-01RE1	1	11/18/16 20:28	18170-1.RAW	20:28	174.44	3		171.5	0.457	0.457	ng/L	
Hg2700-1	RN	SAM	1610618-09RE1	500	11/18/16 20:38	18171-1.RAW	20:38	742.44	1		739.5	2.007	1003.624	ng/L	
Hg2700-1	RN	SAM	1610618-10RE1	500	11/18/16 20:49	18172-1.RAW	20:49	467.41	1		464.5	1.260	629.892	ng/L	
Hg2700-1	RN	SAM	1611293-02RE1	500	11/18/16 20:59	18173-1.RAW	20:59	122.10	1		119.2	0.321	160.649	ng/L	
Hg2700-1	RN	SAM	1611293-03RE1	2500	11/18/16 21:10	18174-1.RAW	21:10	1493.53	1		1490.6	4.051	10126.824	ng/L	
Hg2700-1	RN	SAM	1611293-04RE1	2500	11/18/16 21:20	18175-1.RAW	21:20	1035.58	1		1032.7	2.806	7015.243	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV5	1	11/18/16 21:31	18176-1.RAW	21:31	306.09			303.2	0.663	0.663	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB5	1	11/18/16 21:41	18177-1.RAW	21:41	7.19			4.3	0.009	0.009	ng/L	
Hg2700-1	RN	SAM	1611293-05RE1	2500	11/18/16 21:52	18178-1.RAW	21:52	1803.85	1		1801.0	4.894	12235.279	ng/L	
Hg2700-1	RN	SAM	1611293-06RE1	2500	11/18/16 22:02	18179-1.RAW	22:02	1045.26	1		1042.4	2.832	7081.024	ng/L	
Hg2700-1	RN	SAM	1611293-07RE1	2500	11/18/16 22:13	18180-1.RAW	22:13	1488.80	1		1485.9	4.038	10094.637	ng/L	
Hg2700-1	RN	SAM	F611352-DUP2	500	11/18/16 22:23	18181-1.RAW	22:23	278.37	1		275.5	0.746	373.000	ng/L	
Hg2700-1	RN	SAM	F611352-MS3	500	11/18/16 22:34	18182-1.RAW	22:34	613.24	1		610.3	1.656	828.057	ng/L	
Hg2700-1	RN	SAM	F611352-MSD3	500	11/18/16 22:44	18183-1.RAW	22:44	616.44	1		613.5	1.665	832.412	ng/L	
Hg2700-1	RN	BLK	F611352-BLKA	500	11/18/16 22:55	18184-1.RAW	22:55	8.89	1		6.0	0.016	8.150	ng/L	
Hg2700-1	RN	BLK	F611352-BLKB	500	11/18/16 23:05	18185-1.RAW	23:05	6.85	1		4.0	0.011	5.373	ng/L	
Hg2700-1	RN	BLK	F611352-BLKC	500	11/18/16 23:16	18186-1.RAW	23:16	4.04	1		1.1	0.003	1.550	ng/L	
Hg2700-1	RN	CAL	SEQ-CCV6	1	11/18/16 23:26	18187-1.RAW	23:26	317.06			314.2	0.687	0.687	ng/L	
Hg2700-1	RN	CAL	SEQ-CCB6	1	11/18/16 23:37	18188-1.RAW	23:37	3.96			1.1	0.002	0.002	ng/L	

MethylMercury **Operat** RN **BlankS** 2.8966 **Calib Eqn:** Conc = (Area-2.897) / 457.300 **Run Date:** ###### **Blank SD:** 0
EPA1630 **Worksh** MMHg27 **CalibFa** 457.3 **Status:** OK,1 Warnings **Run Time:** 10:50:02 **Blank RSD** 0
Methoc 2010-01 **R:** 0.9968 **R²:** 0.993666386 **CalibAnaly** MeHg **CF SD:** 60.91132765
Descrip MMHg27001-161118-1 **CF RSD%:** 13.31977835

Sample/ID	Location	Rinse	Dilute	Blank	ConcHg0(p	ConcMeHg(ppt)	ConcHg2(p	ConcPrHg(r	Rec%	QA	RawData	RunEnd	PeakHg0 (Ra	PeakMeHg (R	PeakHg2(Raw	PeakPrHg(Ra	Control (etf)	Flags	RunCount
Clean				0	0.002763	0.0008908	0.008891				18103-1.RAW		1.26354167	0.40736269	4.06569588	0	cleandry	CT	1
WS	A1			2.8966	0.174944	-0.002278278	0.03088				18104-1.RAW		82.8986269	1.85473485	17.0181345	0	psample10	OK	1
SEQ-IBL1	A2		1	0	0.346138	0.006334117	0.071177				18105-1.RAW		158.288849	2.89659091	32.5493608	0	psample10	OK	1
SEQ-CAL1	A3		1	2.8966	0.397656	0.041174816	0.05797		82.35		18106-1.RAW		184.744437	21.7258286	29.40625	0	psample10	CT	1
SEQ-CAL2	A4		1	2.8966	0.448094	0.190952471	0.083323		95.48		18107-1.RAW		207.810038	90.2191288	41.0003551	0	psample10	CT	1
SEQ-CAL3	A5		1	2.8966	0.57766	1.025974682	0.177643		102.60		18108-1.RAW		267.060298	472.074669	84.1326941	0	psample10	CT	1
SEQ-CAL4	A6		1	2.8966	0.719744	2.006401205	0.336002		100.32		18109-1.RAW		332.035559	920.42358	156.550284	0	psample10	CT	1
SEQ-CAL5	A7		1	2.8966	0.961376	4.770264146	0.689037		119.26		18110-1.RAW		442.533673	2184.33771	317.993182	0	psample10	CT	1
SEQ-ICV1	A8		1	2.8966	0.348689	0.024087268	0.055468		4.82		18111-1.RAW		162.352178	13.9116951	28.2623106	0	psample10	CT	1
SEQ-ICB1	A9		1	2.8966	0.357573	0.006295859	0.14982		0.00		18112-1.RAW		166.414717	5.77568655	71.4092803	0	psample10	CT	1
*F611352-BLK7	A10		500	2.8966	165.6207	2.041638719	40.51354				18113-1.RAW		154.373224	4.76387311	39.9502604	0	psample10	OK	1
*F611352-BLK8	A11		500	2.8966	152.5437	0.952923496	39.92072				18114-1.RAW		142.413021	3.76813447	39.4080729	0	psample10	OK	1
*F611352-BLK9	A12		500	2.8966	140.2919	-3.1253117					CAPTURING		131.207481	0.03818171	0	0	psample10	CT	
SEQ-ICV2	A20		1	2.8966	0.877551	0.509238133	0.427075		101.97		18116-1.RAW		404.200687	235.771117	198.198049	0	psample10	CT	1
SEQ-ICB2	A21		1	2.8966	0.274386	-0.003517384	0.062722		0.00		18117-1.RAW		128.373295	1.28809186	31.5792377	0	psample10	CT	1
F611352-BLK7	A10		500	2.8966	144.4906	-1.01168202	86.11023				18118-1.RAW		135.047633	1.97130682	81.652983	0	psample10	CT	1
F611352-BLK8	A11		500	2.8966	130.036	-1.479109969	32.42606				18119-1.RAW		121.827509	1.54379735	32.5534564	0	psample10	CT	1
F611352-BLK9	A12		500								18120-1.RAW		121.745147	0	34.2830729	0	psample10	OK	1
1610618-02RE1	A13		500	2.8966	363.4313	424.3037466	639.142				18121-1.RAW		335.29072	390.964678	587.455729	0	psample10	CT	1
1610618-03RE1	A14		500	2.8966	356.9882	309.14734	579.118				18122-1.RAW		329.397884	285.642661	532.557739	0	psample10	CT	1
1610618-04RE1	A15		2500	2.8966	1191.259	1682.883498	2244.47				18123-1.RAW		220.801563	310.729545	413.454924	0	psample10	CT	1
1610618-05RE1	A16		2500	2.8966	1371.884	1171.308225	2229.125				18124-1.RAW		253.841448	217.152225	410.648067	0	psample10	CT	1
1610618-06RE1	A17		500	2.8966	334.7544	517.8449894	825.9563				18125-1.RAW		309.062828	476.517472	758.316027	0	psample10	CT	1
1610618-07RE1	A18		2500	2.8966	2223.182	7500.155289	5386.08				18126-1.RAW		409.560993	1374.82457	988.118014	0	psample10	CT	1
1610618-08RE1	A19		2500	2.8966	1820.46	4537.031345	4512.898				18127-1.RAW		335.895028	832.810109	828.395589	0	psample10	CT	1
SEQ-CCV1	A8		1	2.8966	0.907915	0.499236241	0.389565		99.97		18128-1.RAW		418.085843	231.197254	181.044744	0	psample10	CT	1
SEQ-CCB1	A9		1	2.8966	0.259804	0.004811365	0.055558		0.00		18129-1.RAW		121.704924	5.09682765	28.3030777	0	psample10	OK	1
F611388-BLK1	B1		1.25	2.8966	0.367046	0.011623963	0.087229				18130-1.RAW		137.176636	7.14910038	34.8085464	0	psample10	CT	1
F611388-BLK2	B2		1.25	2.8966	0.307255	0.008203933	0.08562				18131-1.RAW		115.30258	5.89791667	34.2197443	0	psample10	CT	1
F611388-BLK3	B3		1.25	2.8966	0.255154	0.012249211	0.079184				18132-1.RAW		96.2422585	7.37784091	31.8651042	0	psample10	CT	1
F611388-BS1	B4		1.25	2.8966	0.245578	1.099940884	0.090716				18133-1.RAW		92.7389337	405.29884	36.0841856	0	psample10	CT	1
F611388-BSD1	B5		1.25	2.8966	0.234598	1.066576849	0.088513				18134-1.RAW		88.721875	393.092945	35.2780777	0	psample10	CT	1
F611388-DUP1	B6		1.25	2.8966	0.76572	1.298048486	1.416678				18135-1.RAW		283.027413	477.774503	521.174032	0	psample10	CT	1
F611388-MS1	B7		1.25	2.8966	0.753896	2.527306141	1.285664		252.73		18136-1.RAW		278.701922	927.485985	473.243899	0	psample10	CT	1
F611388-MSD1	B8		1.25	2.8966	0.78642	2.554419641	1.079171				18137-1.RAW		290.600237	937.405185	397.700483	0	psample10	CT	1
F611388-MS2	B9		1.25	2.8966	0.32105	1.142383111	0.282315		57.12		18138-1.RAW		120.349479	420.8259	106.178835	0	psample10	CT	1
F611388-MSD2	B10		1.25	2.8966	0.322665	1.1783487	0.161523				18139-1.RAW		120.94027	433.983546	61.9879735	0	psample10	CT	1
SEQ-CCV2	B11		1	2.8966	0.612856	0.56909376	0.399081		113.96		18140-1.RAW		283.15554	263.143087	185.396237	0	psample10	CT	1
SEQ-CCB2	B12		1	2.8966	0.173911	0.008455895	0.050971		0.00		18141-1.RAW		82.4260417	6.76347064	26.2057292	0	psample10	OK	1
1610654-01	B13		1.25	2.8966	0.623225	1.410705857	1.302443				18142-1.RAW		230.897112	518.989063	479.382283	0	psample10	CT	1
1610654-03	B14		1.25	2.8966	0.625253	1.398502332	1.467573				18143-1.RAW		231.638989	514.524527	539.793484	0	psample10	CT	1
1610654-05	B15		1.25	2.8966	0.598947	1.209754549	0.869028				18144-1.RAW		222.015365	445.473059	320.821856	0	psample10	CT	1
1610654-07	B16		1.25	2.8966	0.681828	1.071186675	0.981239				18145-1.RAW		252.336458	394.779403	361.873029	0	psample10	CT	1
1610654-09	B17		1.25	2.8966	0.652935	1.192164395	1.070238				18146-1.RAW		241.766193	439.037879	394.432475	0	psample10	CT	1
1610654-11	B18		1.25	2.8966	0.654153	1.136397766	1.07498				18147-1.RAW		242.211837	418.636222	396.167069	0	psample10	CT	1
1610654-13	B19		1.25	2.8966	0.307683	0.016112261	0.141091				18148-1.RAW		115.459304	8.79109848	54.5132576	0	psample10	OK	1
1610740-01	B20		1.25	2.8966	0.267249	0.002490378	0.080561				18149-1.RAW		100.666809	3.80767045	32.3689867	0	psample10	CT	1
1610740-02	B21		1.25	2.8966	0.279813	0.004960824	0.091916				18150-1.RAW		105.263258	4.71145833	36.5230328	0	psample10	CT	1
1610785-05	C1		1.25	2.8966	0.232122	0.001139255	0.076165				18151-1.RAW		87.8159328	3.31337595	30.7607244	0	psample10	OK	1
SEQ-CCV3	C2		1	2.8966	1.002118	0.578483113	0.463415		115.84		18152-1.RAW	17:19:01	461.16482	267.436837	214.816335	0	psample10	CT	1
SEQ-CCB3	C3		1	2.8966	0.153218	0.00089665	0.055066		0.00		18153-1.RAW		72.9629972	3.30662879	28.0784328	0	psample10	CT	1
1610786-12	C4		1.25	2.8966	0.199882	0.002201892	0.109297				18154-1.RAW		76.0213297	3.70213068	42.8818419	0	psample10	CT	1
1610828-10	C5		1.25	2.8966	0.204823	0.008969217	0.0848				18155-1.RAW		77.8288352	6.17788826	33.9199811	0	psample10	OK	1
1610860-12	C6		1.25	2.8966	0.165263	0.032291498	0.114561				18156-1.RAW		63.3562973	14.7101089	44.8075758	0	psample10	CT	1
1610860-13	C7		1.25	2.8966	0.181792	0.122591573	0.645814				18157-1.RAW		69.4033617	47.7454782	239.161138	0	psample10	CT	1
1610860-14	C8		1.25	2.8966	0.138069	0.041190438	0.118569				18158-1.RAW		53.4078125	17.965696	46.273911	0	psample10	OK	1

1610860-15	C9	1.25	2.8966	0.141852	0.081514123	0.211688		18159-1.RAW		54.7915483	32.7177083	80.3403409	0 psample10	OK	1
1610860-16	C10	1.25	2.8966	0.159215	0.070110439	0.144594		18160-1.RAW		61.1436553	28.545786	55.7947917	0 psample10	OK	1
1610860-17	C11	1.25	2.8966	0.115359	-0.005060093	0.074575		18161-1.RAW		45.0994081	1.0454072	30.1792614	0 psample10	CT	1
1610860-18	C12	1.25	2.8966	0.129958	-0.003393758	0.071855		18162-1.RAW		50.4403409	1.65501894	29.1841856	0 psample10	OK	1
1611168-01	C13	1.25	2.8966	0.107893	0.007666807	0.105547		18163-1.RAW		42.3679924	5.70141469	41.5098011	0 psample10	OK	1
SEQ-CCV4	C14	1	2.8966	1.211799	0.575871853	0.464264	115.32	18164-1.RAW		557.051942	266.242708	215.204498	0 psample10	CT	1
SEQ-CCB4	C15	1	2.8966	0.100663	-0.004039584	0.05461	0.00	18165-1.RAW		48.9296875	1.04928977	27.8697917	0 psample10	OK	1
F611323-BLK4	C16	1	2.8966	0.070098	0.01816679	0.097289		18166-1.RAW		34.9525331	11.2042614	47.3868608	0 psample10	OK	1
F611323-BLK5	C17	1	2.8966	0.081618	0.004366406	0.077949		18167-1.RAW		40.2203598	4.89334754	38.5425663	0 psample10	OK	1
F611323-BLK6	C18	1	2.8966	0.083634	0.000703912	0.055122		18168-1.RAW		41.1421875	3.21848958	28.1039299	0 psample10	OK	1
1610865-03RE1	C19	125	2.8966	88.43437	120.7684476	1330.175		18169-1.RAW		326.424787	444.715743	4869.20688	0 psample10	CT	1
1611082-01RE1	C20	1	2.8966	0.209227	0.375120376	1.242836		18170-1.RAW		98.5761364	174.439086	571.245272	0 psample10	CT	1
1610618-09RE1	C21	500	2.8966	274.9028	808.5944909	1059.278		18171-1.RAW		254.322633	742.436884	971.711965	0 psample10	CT	1
1610618-10RE1	A1	500	2.8966	197.1284	507.8893272	903.5045		18172-1.RAW		183.190167	467.412027	829.24154	0 psample10	CT	1
1611293-02RE1	A2	500	2.8966	182.1458	130.3365033	32.99713		18173-1.RAW		169.487121	122.10232	33.0757576	0 psample10	CT	1
1611293-03RE1	A3	2500	2.8966	681.6566	8149.120806	198.1604		18174-1.RAW		127.58518	1493.53331	39.1440814	0 psample10	CT	1
1611293-04RE1	A4	2500	2.8966	576.2456	5645.542626	158.1451		18175-1.RAW		108.303409	1035.57893	31.8244792	0 psample10	OK	1
SEQ-CCV5	A5	1	2.8966	1.004818	0.662998994	0.552093	132.76	18176-1.RAW		462.399596	306.085937	255.368708	0 psample10	CT	1
SEQ-CCB5	A6	1	2.8966	0.130501	0.009386247	0.047968	0.00	18177-1.RAW		62.5748185	7.18892045	24.8321496	0 psample10	CT	1
1611293-05RE1	A7	2500	2.8966	672.2752	9845.583865	142.5209		18178-1.RAW		125.869129	1803.85024	28.9665009	0 psample10	CT	1
1611293-06RE1	A8	2500	2.8966	487.5951	5698.470338	156.5886		18179-1.RAW		92.0874527	1045.26046	31.5397727	0 psample10	CT	1
1611293-07RE1	A9	2500	2.8966	544.3483	8123.222922	161.9069		18180-1.RAW		102.46875	1488.79607	32.5125947	0 psample10	CT	1
F611352-DUP2	A10	500	2.8966	92.95718	301.1937654	58.3454		18181-1.RAW		87.9151989	278.368324	56.2592803	0 psample10	OK	1
F611352-MS3	A11	500	2.8966	110.079	667.3327847	64.2855	22244.43	18182-1.RAW		103.574858	613.238968	61.6920928	0 psample10	CT	1
F611352-MSD3	A12	500	2.8966	105.1376	670.8371742	73.33051		18183-1.RAW		99.0554451	616.444081	69.9646544	0 psample10	CT	1
F611352-BLKA	A13	500	2.8966	57.36315	6.557813764	34.32766		18184-1.RAW		55.3609094	8.89436553	34.292661	0 psample10	OK	1
F611352-BLKB	A14	500	2.8966	48.2436	4.323177882	40.42646		18185-1.RAW		47.0201705	6.85056818	39.8706155	0 psample10	OK	1
F611352-BLKC	A15	500	2.8966	40.60289	1.246949083	40.35114		18186-1.RAW		40.0319839	4.03705019	39.8017356	0 psample10	OK	1
SEQ-CCV6	A16	1	2.8966	0.60562	0.686987951	0.587937	137.57	18187-1.RAW		279.846591	317.056084	271.759896	0 psample10	CT	1
SEQ-CCB6	A17	1	2.8966	0.081435	0.002336053	0.047189	0.00	18188-1.RAW	23:37:26	40.1369853	3.96486742	24.4762784	0 psample10	OK	1

MethylMercury EPA1630 | Operato RN | BlankS 2.8966 | Calib Eqn: Conc = (Area-2.897) / 456.741 | Run Date: ###### | Blank SD: 0
Workst MMHg2 | CalibFa 456.74 | Status: OK,1 Warnings | Run Time: 10:50:02 | Blank RSD 0
Method 2010-01 | R: 0.9968 | R²: 0.993649694 | CalibAnal MeHg | CF SD: 60.71599732
Descrip MMHg27001-161118-1 | CF RSD%: 13.29332202

Sample/ID	Location	Rinse	Dilute	Blank	Conc Hg0 (pi	Conc MeHg (ppt)	Conc Hg2 (pi	Conc PrHg (pi	Rec%	QA
Clean			0	0.002299	0.000891891	0.008932				
WS	A1			2.8966	0.175159	-0.002281067	0.030921			
SEQ-IBL1	A2		1	0	0.346562	0.006341873	0.071264			
SEQ-CAL1	A3		1	2.8966	0.398143	0.041225234	0.058041		82.45	
SEQ-CAL2	A4		1	2.8966	0.448643	0.191186288	0.083425		95.59	
SEQ-CAL3	A5		1	2.8966	0.578367	1.021593037	0.17786		102.16	
SEQ-CAL4	A6		1	2.8966	0.720626	2.008858004	0.336413		100.44	
SEQ-CAL5	A7		1	2.8966	0.962553	4.77416736	0.689881		119.35	
SEQ-ICV1	A8		1	2.8966	0.349116	0.024115985	0.055536		4.83	
SEQ-ICB1	A9		1	2.8966	0.358011	0.006303569	0.150004		0.00	
*F611352-BLK7	A10		500	2.8966	165.8235	2.044138665	40.56315			
*F611352-BLK8	A11		500	2.8966	152.7305	0.954090332	39.96961			
*F611352-BLK9	A12		500	2.8966	140.4636	-3.060625685				
SEQ-ICV2	A20		1	2.8966	0.878626	0.509861685	0.427598		102.10	
SEQ-ICB2	A21		1	2.8966	0.274722	-0.003521691	0.062876		0.00	
F611352-BLK7	A10		500	2.8966	144.6675	-1.012920805	86.21567			
F611352-BLK8	A11		500	2.8966	130.1953	-1.48092111	32.46577			
F611352-BLK9	A12		500							
1610618-02RE1	A13		500	2.8966	363.8763	424.8232982	639.9247			
1610618-03RE1	A14		500	2.8966	357.3917	309.5258848	579.8271			
1610618-04RE1	A15		2500	2.8966	1192.717	1684.944155	2247.218			
1610618-05RE1	A16		2500	2.8966	1373.563	1172.742469	2231.855			
1610618-06RE1	A17		500	2.8966	335.1643	518.4790804	826.9677			
1610618-07RE1	A18		2500	2.8966	2225.905	7509.339082	5392.675			
1610618-08RE1	A19		2500	2.8966	1822.689	4542.58685	4518.424			
SEQ-CCV1	A8		1	2.8966	0.909026	0.499847546	0.390042		100.09	
SEQ-CCB1	A9		1	2.8966	0.260122	0.004817257	0.055626		0.00	
F611388-BLK1	B1		1.25	2.8966	0.367495	0.011638197	0.087336			
F611388-BLK2	B2		1.25	2.8966	0.307631	0.008195851	0.085725			
F611388-BLK3	B3		1.25	2.8966	0.255467	0.012200196	0.079281			
F611388-BS1	B4		1.25	2.8966	0.245914	1.10128774	0.090827			
F611388-BSD1	B5		1.25	2.8966	0.234762	1.067874039	0.088621			
F611388-DUP1	B6		1.25	2.8966	0.766657	1.299617447	1.419185			
F611388-MS1	B7		1.25	2.8966	0.754819	2.530400778	1.287239		253.04	
F611388-MSD1	B8		1.25	2.8966	0.787383	2.557547478	1.080493			
F611388-MS2	B9		1.25	2.8966	0.321443	1.143454352	0.282648		57.17	
F611388-MSD2	B10		1.25	2.8966	0.32306	1.179791564	0.16172			
SEQ-CCV2	B11		1	2.8966	0.613606	0.569781585	0.39957		114.10	
SEQ-CCB2	B12		1	2.8966	0.174124	0.008466249	0.051034		0.00	
1610654-01	B13		1.25	2.8966	0.623988	1.412433238	1.304038			
1610654-03	B14		1.25	2.8966	0.626018	1.400214771	1.46937			
1610654-05	B15		1.25	2.8966	0.599681	1.211235869	0.870093			
1610654-07	B16		1.25	2.8966	0.682663	1.072498322	0.982441			
1610654-09	B17		1.25	2.8966	0.653734	1.19333443	1.071549			
1610654-11	B18		1.25	2.8966	0.654954	1.137789263	1.076296			
1610654-13	B19		1.25	2.8966	0.30806	0.01613199	0.140406			
1610740-01	B20		1.25	2.8966	0.267576	0.00250807	0.08066			
1610740-02	B21		1.25	2.8966	0.280201	0.004727754	0.09437			
1610785-05	C1		1.25	2.8966	0.232406	0.00114065	0.076258			
SEQ-CCV3	C2		1	2.8966	1.003345	0.579191454	0.463972		115.98	
SEQ-CCB3	C3		1	2.8966	0.153405	0.000897748	0.055134		0.00	
1610786-12	C4		1.25	2.8966	0.200127	0.002423194	0.109963			
1610828-10	C5		1.25	2.8966	0.205073	0.0089802	0.084904			
1610860-12	C6		1.25	2.8966	0.165304	0.032331038	0.114585			
1610860-13	C7		1.25	2.8966	0.182015	0.122741684	0.64623			
1610860-14	C8		1.25	2.8966	0.138238	0.041240875	0.122257			

RawData	RunEnd	PeakHg0 (Ra	PeakMeHg (R	PeakHg2(Raw	PeakPrHg(Ra	Control (etf)	Flags	RunCount
18103-1.RAW	8:34:28	1.05022751	0.40736269	4.07963228	0	cleandry	CT	1
18104-1.RAW	8:44:59	82.8986269	1.85473485	17.0195313	0	psample10	OK	1
18105-1.RAW	8:55:30	158.288849	2.89659091	32.5493608	0	psample10	OK	1
18106-1.RAW	9:06:00	184.744437	21.7258286	29.40625	0	psample10	CT	1
18107-1.RAW	9:16:31	207.810038	90.2191288	41.0003551	0	psample10	CT	1
18108-1.RAW	9:27:02	267.060298	469.499597	84.1326941	0	psample10	CT	1
18109-1.RAW	9:37:32	332.035559	920.42358	156.550284	0	psample10	CT	1
18110-1.RAW	9:48:03	442.533673	2183.4526	317.993182	0	psample10	CT	1
18111-1.RAW	9:58:34	162.352178	13.91134	28.2623106	0	psample10	CT	1
18112-1.RAW	10:09:04	166.414717	5.77568655	71.4092803	0	psample10	CT	1
18113-1.RAW	10:19:35	154.373224	4.76387311	39.9502604	0	psample10	OK	1
18114-1.RAW	10:30:06	142.413021	3.76813447	39.4080729	0	psample10	OK	1
CAPTURING		131.207481	0.10076695	0	0	psample10	CT	
18116-1.RAW	11:00:35	404.200687	235.771117	198.198049	0	psample10	CT	1
18117-1.RAW	11:11:06	128.373295	1.28809186	31.6144886	0	psample10	CT	1
18118-1.RAW	11:21:37	135.047633	1.97130682	81.652983	0	psample10	CT	1
18119-1.RAW	11:32:07	121.827509	1.54379735	32.5534564	0	psample10	CT	1
18120-1.RAW	11:42:38	121.745147	0	34.2830729	0	psample10	OK	1
18121-1.RAW	11:53:09	335.29072	390.964678	587.455729	0	psample10	CT	1
18122-1.RAW	12:03:39	329.367145	285.642661	532.557739	0	psample10	CT	1
18123-1.RAW	12:14:10	220.801563	310.729545	413.454924	0	psample10	CT	1
18124-1.RAW	12:24:41	253.841448	217.152225	410.648067	0	psample10	CT	1
18125-1.RAW	12:35:11	309.062828	476.517472	758.316027	0	psample10	CT	1
18126-1.RAW	12:45:42	409.560993	1374.82457	988.118014	0	psample10	CT	1
18127-1.RAW	12:56:13	335.895028	832.810109	828.395589	0	psample10	CT	1
18128-1.RAW	13:06:43	418.085843	231.197254	181.044744	0	psample10	CT	1
18129-1.RAW	13:17:14	121.704924	5.09682765	28.3030777	0	psample10	OK	1
18130-1.RAW	13:27:45	137.176636	7.14910038	34.8085464	0	psample10	CT	1
18131-1.RAW	13:38:15	115.30258	5.89129319	34.2197443	0	psample10	CT	1
18132-1.RAW	13:48:46	96.2422585	7.35445076	31.8651042	0	psample10	CT	1
18133-1.RAW	13:59:17	92.7518929	405.29884	36.0841856	0	psample10	CT	1
18134-1.RAW	14:09:47	88.6768919	393.089725	35.2780777	0	psample10	CT	1
18135-1.RAW	14:20:18	283.027413	477.767022	521.45607	0	psample10	CT	1
18136-1.RAW	14:30:49	278.701922	927.485985	473.243899	0	psample10	CT	1
18137-1.RAW	14:41:20	290.600237	937.405185	397.700483	0	psample10	CT	1
18138-1.RAW	14:51:51	120.349479	420.706203	106.174219	0	psample10	CT	1
18139-1.RAW	15:02:22	120.94027	433.983546	61.9879735	0	psample10	CT	1
18140-1.RAW	15:12:53	283.15554	263.138968	185.396237	0	psample10	CT	1
18141-1.RAW	15:23:24	82.4260417	6.76347064	26.2057292	0	psample10	OK	1
18142-1.RAW	15:33:54	230.897112	518.989063	479.382283	0	psample10	CT	1
18143-1.RAW	15:44:25	231.638989	514.524527	539.793484	0	psample10	CT	1
18144-1.RAW	15:54:56	222.015365	445.473059	320.821856	0	psample10	CT	1
18145-1.RAW	16:05:26	252.336458	394.779403	361.873029	0	psample10	CT	1
18146-1.RAW	16:15:57	241.766193	438.932008	394.432475	0	psample10	CT	1
18147-1.RAW	16:26:28	242.211837	418.636222	396.167069	0	psample10	CT	1
18148-1.RAW	16:36:58	115.459304	8.79109848	54.1999053	0	psample10	OK	1
18149-1.RAW	16:47:29	100.666809	3.81302083	32.3689867	0	psample10	CT	1
18150-1.RAW	16:58:00	105.279948	4.6240767	37.3788093	0	psample10	CT	1
18151-1.RAW	17:08:30	87.8159328	3.31337595	30.7607244	0	psample10	OK	1
18152-1.RAW	17:19:01	461.16482	267.436837	214.811458	0	psample10	CT	1
18153-1.RAW	17:29:32	72.9629972	3.30662879	28.0784328	0	psample10	CT	1
18154-1.RAW	17:40:02	76.0213297	3.78200758	43.0763258	0	psample10	CT	1
18155-1.RAW	17:50:33	77.8288352	6.17788826	33.9199811	0	psample10	OK	1
18156-1.RAW	18:01:04	63.2974432	14.7101089	44.7649148	0	psample10	CT	1
18157-1.RAW	18:11:34	69.4033617	47.7454782	239.024259	0	psample10	CT	1
18158-1.RAW	18:22:05	53.4078125	17.965696	47.5682765	0	psample10	OK	1

1610860-15	C9	1.25	2.8966	0.142025	0.081613935	0.211947	
1610860-16	C10	1.25	2.8966	0.15941	0.071109262	0.14456	
1610860-17	C11	1.25	2.8966	0.1155	-0.005060133	0.074677	
1610860-18	C12	1.25	2.8966	0.130117	-0.003397913	0.071943	
1611168-01	C13	1.25	2.8966	0.108025	0.007700572	0.105676	
SEQ-CCV4	C14	1	2.8966	1.213282	0.576576997	0.470369	115.46
SEQ-CCB4	C15	1	2.8966	0.100786	-0.004567007	0.054677	0.00
F611323-BLK4	C16	1	2.8966	0.070173	0.018189035	0.097421	
F611323-BLK5	C17	1	2.8966	0.081718	0.004371752	0.078044	
F611323-BLK6	C18	1	2.8966	0.083706	0.000704774	0.05519	
1610865-03RE1	C19	125	2.8966	88.54266	120.9163261	1331.804	
1611082-01RE1	C20	1	2.8966	0.209483	0.375592196	1.244358	
1610618-09RE1	C21	500	2.8966	275.2394	809.5845989	1060.575	
1610618-10RE1	A1	500	2.8966	197.3698	508.9493204	904.6108	
1611293-02RE1	A2	500	2.8966	182.3689	130.4960977	33.03754	
1611293-03RE1	A3	2500	2.8966	682.4913	8159.029399	198.4031	
1611293-04RE1	A4	2500	2.8966	576.9512	5652.455481	158.3978	
SEQ-CCV5	A5	1	2.8966	1.006048	0.663810823	0.552769	132.93
SEQ-CCB5	A6	1	2.8966	0.130684	0.009397741	0.048026	0.00
1611293-05RE1	A7	2500	2.8966	673.0984	9857.639588	142.6954	
1611293-06RE1	A8	2500	2.8966	488.1921	5705.448002	156.7804	
1611293-07RE1	A9	2500	2.8966	545.0148	8133.169648	163.5187	
F611352-DUP2	A10	500	2.8966	93.071	301.5625712	57.47214	
F611352-MS3	A11	500	2.8966	110.2138	668.1499205	64.36422	22271.66
F611352-MSD3	A12	500	2.8966	105.2664	671.6586011	73.4203	
F611352-BLKA	A13	500	2.8966	57.43339	6.565843678	34.3697	
F611352-BLKB	A14	500	2.8966	48.31387	4.328471528	40.47596	
F611352-BLKC	A15	500	2.8966	40.65261	1.172048165	40.40055	
SEQ-CCV6	A16	1	2.8966	0.606362	0.687829155	0.588656	137.74
SEQ-CCB6	A17	1	2.8966	0.081535	0.002338913	0.047247	0.00

18159-1.RAW	18:32:36	54.7915483	32.7177083	80.3403409	0	psample10	OK	1
18160-1.RAW	18:43:06	61.1436553	28.8793797	55.7178977	0	psample10	OK	1
18161-1.RAW	18:53:37	45.0994081	1.04765625	30.1830729	0	psample10	CT	1
18162-1.RAW	19:04:08	50.4403409	1.65501894	29.1841856	0	psample10	OK	1
18163-1.RAW	19:14:39	42.3679924	5.71032197	41.5098011	0	psample10	OK	1
18164-1.RAW	19:25:09	557.051942	266.242708	217.733381	0	psample10	CT	1
18165-1.RAW	19:35:40	48.9296875	0.81065341	27.8697917	0	psample10	OK	1
18166-1.RAW	19:46:11	34.9474432	11.2042614	47.3926373	0	psample10	OK	1
18167-1.RAW	19:56:41	40.2203598	4.89334754	38.5425663	0	psample10	OK	1
18168-1.RAW	20:07:12	41.1285856	3.21848958	28.1039299	0	psample10	OK	1
18169-1.RAW	20:17:43	326.424787	444.715743	4869.20688	0	psample10	CT	1
18170-1.RAW	20:28:13	98.5761364	174.444792	571.245272	0	psample10	CT	1
18171-1.RAW	20:38:44	254.322633	742.436884	971.711965	0	psample10	CT	1
18172-1.RAW	20:49:15	183.190167	467.812216	829.24154	0	psample10	CT	1
18173-1.RAW	20:59:45	169.487121	122.10232	33.0757576	0	psample10	CT	1
18174-1.RAW	21:10:16	127.58518	1493.52055	39.1440814	0	psample10	CT	1
18175-1.RAW	21:20:47	108.303409	1035.57893	31.8352746	0	psample10	OK	1
18176-1.RAW	21:31:17	462.399596	306.085938	255.368708	0	psample10	CT	1
18177-1.RAW	21:41:48	62.585204	7.18892045	24.8321496	0	psample10	CT	1
18178-1.RAW	21:52:19	125.869129	1803.85024	28.9665009	0	psample10	CT	1
18179-1.RAW	22:02:49	92.0874527	1045.26046	31.5397727	0	psample10	CT	1
18180-1.RAW	22:13:20	102.46875	1488.79607	32.7708333	0	psample10	CT	1
18181-1.RAW	22:23:51	87.9151989	278.368324	55.3963068	0	psample10	OK	1
18182-1.RAW	22:34:21	103.574858	613.238968	61.6920928	0	psample10	CT	1
18183-1.RAW	22:44:52	99.0554451	616.444081	69.9646544	0	psample10	CT	1
18184-1.RAW	22:55:23	55.3609094	8.89436553	34.292661	0	psample10	OK	1
18185-1.RAW	23:05:53	47.0303977	6.85056818	39.8706155	0	psample10	OK	1
18186-1.RAW	23:16:24	40.0319839	3.96723485	39.8017356	0	psample10	OK	1
18187-1.RAW	23:26:55	279.846591	317.056084	271.759896	0	psample10	CT	1
18188-1.RAW	23:37:26	40.1369853	3.96486742	24.4762784	0	psample10	OK	1

Failing Data Report - 6K21024

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier
6K21024-ICV1	MHg-CVAFS-W-Dist	0.024	0.045			0.50049	ng/L	4.81	67.00	133.00			PASS-OVER	FAIL-CCV	RR ICV2 Dmw 11.21.16

Analyst Reviewed By — Date: 11/21/16

Peer Reviewed By — Date: 11.21.16

Failing Data Report - 6K21025

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier
6K21025-ICV1	MHg-CVAFS-S-MeClExt	0.024	0.201			0.50049	ng/L	4.81	67.00	133.00			PASS-OVER	FAIL-CCV	RF AS ICV2

Analyst Reviewed By 11/21/16 Date

Peer Reviewed By 11.21.16 Date

Failing Data Report - 6K21026

Sample ID	Analysis	Result	MRL	Dup Result	Source Result	True Value	Units	% Rec.	Rec. LCL	Rec. UCL	RPD	RPD Limit	Over Cal	Failure	Qualifier
6K21026-ICV1	MHg-CVAFS-T-KOH	0.02	0.100			0.50049	ng/L	4.81	67.00	133.00			PASS-OVER	FAIL-CCV	
6K21026-CCV6	MHg-CVAFS-T-KOH	0.7	0.100			0.50049	ng/L	137	67.00	133.00			PASS-OVER	FAIL-CCV	

Analyst Reviewed By — Date: 11/22/16

Peer Reviewed By — Date: 11.21.16

ANALYSIS SEQUENCE

6K21024

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/18/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K21024-IBL1	QC	1			
6K21024-CAL1	QC	2	1606090		
6K21024-CAL2	QC	3	1606091		
6K21024-CAL3	QC	4	1606092		
6K21024-CAL4	QC	5	1606093		
6K21024-CAL5	QC	6	1606094		
6K21024-ICV1	QC	7	1605079		
6K21024-ICB1	QC	8			
6K21024-ICV2	QC	9	1605079		
6K21024-ICB2	QC	10			
6K21024-CCV1	QC	11	1605079		
6K21024-CCB1	QC	12			
F611388-BLK1	QC	13			
F611388-BLK2	QC	14			
F611388-BLK3	QC	15			
F611388-BS1	QC	16			
F611388-BSD1	QC	17			
F611388-DUP1	QC	18			
F611388-MS1	QC	19			
F611388-MSD1	QC	20			
F611388-MS2	QC	21			
F611388-MSD2	QC	22			
6K21024-CCV2	QC	23	1605079		
6K21024-CCB2	QC	24			
1610654-01	MHg-CVAFS-W-Dist	25			Scan all data for level IV report
1610654-03	MHg-CVAFS-W-Dist	26			Scan all data for level IV report
1610654-05	MHg-CVAFS-W-Dist	27			Scan all data for level IV report
1610654-07	MHg-CVAFS-W-Dist	28			Scan all data for level IV report
1610654-09	MHg-CVAFS-W-Dist	29			Scan all data for level IV report
1610654-11	MHg-CVAFS-W-Dist	30			Scan all data for level IV report
1610654-13	MHg-CVAFS-W-Dist	31			Scan all data for level IV report
1610740-01	MHg-CVAFS-W-Dist	32			
1610740-02	MHg-CVAFS-W-Dist	33			
1610785-05	MHg-CVAFS-W-Dist	34			Scan all data for level IV report
6K21024-CCV3	QC	35	1605079		

Due Date: 11/18/2016

ANALYSIS SEQUENCE

6K21024

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/18/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K21024-CCB3	QC	36			
1610786-12	MHg-CVAFS-W-Dist	37			Scan all data for level IV report
1610828-10	MHg-CVAFS-W-Dist	38			Scan all data for Level IV
1610860-12	MHg-CVAFS-W-Dist	39			Scan all data - Level IV
1610860-13	MHg-CVAFS-W-Dist	40			Scan all data - Level IV
1610860-14	MHg-CVAFS-W-Dist	41			Scan all data - Level IV
1610860-15	MHg-CVAFS-W-Dist	42			Scan all data - Level IV
1610860-16	MHg-CVAFS-W-Dist	43			Scan all data - Level IV
1610860-17	MHg-CVAFS-W-Dist	44			Scan all data - Level IV
1610860-18	MHg-CVAFS-W-Dist	45			Scan all data - Level IV
1611168-01	MHg-CVAFS-W-Dist	46			
6K21024-CCV4	QC	47	1605079		
6K21024-CCB4	QC	48			

Samples Loaded By 11/21/16 Date

Data Processed By 11/21/16 Date

Due Date: 11/18/2016

ANALYSIS SEQUENCE

6K21025

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/18/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K21025-IBL1	QC	1			
6K21025-CAL1	QC	2	1606090		
6K21025-CAL2	QC	3	1606091		
6K21025-CAL3	QC	4	1606092		
6K21025-CAL4	QC	5	1606093		
6K21025-CAL5	QC	6	1606094		
6K21025-ICV1	QC	7	1605079		
6K21025-ICB1	QC	8			
6K21025-ICV2	QC	9	1605079		
6K21025-ICB2	QC	10			
6K21025-CCV1	QC	11	1605079		
6K21025-CCB1	QC	12			
6K21025-CCV2	QC	13	1605079		
6K21025-CCB2	QC	14			
6K21025-CCV3	QC	15	1605079		
6K21025-CCB3	QC	16			
6K21025-CCV4	QC	17	1605079		
6K21025-CCB4	QC	18			
F611323-BLK4	QC	19			
F611323-BLK5	QC	20			
F611323-BLK6	QC	21			
1610865-03RE1	MHg-CVAFS-S-MeClExt	22			Added 11/18/2016 by RN
1611082-01RE1	MHg-CVAFS-S-MeClExt	23			Added 11/18/2016 by RN
6K21025-CCV5	QC	24	1605079		
6K21025-CCB5	QC	25			

Samples Loaded By 11/21/16 Date

Data Processed By 11/21/16 Date

Due Date: 11/29/2016

ANALYSIS SEQUENCE

6K21026

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/18/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
6K21026-IBL1	QC	1			
6K21026-CAL1	QC	2	1606090		
6K21026-CAL2	QC	3	1606091		
6K21026-CAL3	QC	4	1606092		
6K21026-CAL4	QC	5	1606093		
6K21026-CAL5	QC	6	1606094		
6K21026-ICV1	QC	7	1605079		
6K21026-ICB1	QC	8			
6K21026-ICV2	QC	9	1605079		
6K21026-ICB2	QC	10			
F611352-BLK7	QC	11			
F611352-BLK8	QC	12			
F611352-BLK9	QC	13			
1610618-02RE1	MHg-CVAFS-T-KOH	14			Added 11/18/2016 by RN
1610618-03RE1	MHg-CVAFS-T-KOH	15			Added 11/18/2016 by RN
1610618-04RE1	MHg-CVAFS-T-KOH	16			Added 11/18/2016 by RN
1610618-05RE1	MHg-CVAFS-T-KOH	17			Added 11/18/2016 by RN
1610618-06RE1	MHg-CVAFS-T-KOH	18			Added 11/18/2016 by RN
1610618-07RE1	MHg-CVAFS-T-KOH	19			Added 11/18/2016 by RN
1610618-08RE1	MHg-CVAFS-T-KOH	20			Added 11/18/2016 by RN
6K21026-CCV1	QC	21	1605079		
6K21026-CCB1	QC	22			
6K21026-CCV2	QC	23	1605079		
6K21026-CCB2	QC	24			
6K21026-CCV3	QC	25	1605079		
6K21026-CCB3	QC	26			
6K21026-CCV4	QC	27	1605079		
6K21026-CCB4	QC	28			
1610618-09RE1	MHg-CVAFS-T-KOH	29			Added 11/18/2016 by RN
1610618-10RE1	MHg-CVAFS-T-KOH	30			Added 11/18/2016 by RN
1611293-02RE1	MHg-CVAFS-T-KOH	31			Added 11/18/2016 by RN
1611293-03RE1	MHg-CVAFS-T-KOH	32			Added 11/18/2016 by RN
1611293-04RE1	MHg-CVAFS-T-KOH	33			Added 11/18/2016 by RN
6K21026-CCV5	QC	34	1605079		
6K21026-CCB5	QC	35			

Due Date: 11/17/2016

ANALYSIS SEQUENCE

6K21026

Instrument: Hg2700-1

Calibration ID: UNASSIGNED

Analyzed: 11/18/2016

Lab Number	Analysis	Order	STD ID	ISTD ID	Comments
1611293-05RE1	MHg-CVAFS-T-KOH	36			Added 11/18/2016 by RN
1611293-06RE1	MHg-CVAFS-T-KOH	37			Added 11/18/2016 by RN
1611293-07RE1	MHg-CVAFS-T-KOH	38			Added 11/18/2016 by RN
F611352-DUP2	QC	39			
F611352-MS3	QC	40			
F611352-MSD3	QC	41			
F611352-BLKA	QC	42			
F611352-BLKB	QC	43			
F611352-BLKC	QC	44			
6K21026-CCV6	QC	45	1605079		
6K21026-CCB6	QC	46			

Samples Loaded By — Date: 11/21/16

Data Processed By — Date: 11/21/16

Due Date: 11/17/2016

PREPARATION BENCH SHEET

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611388-BLK1	Blank	45	40					
F611388-BLK2	Blank	45	40					
F611388-BLK3	Blank	45	40					
F611388-BS1	LCS	45	40	1605979	45			
F611388-BSD1	LCS Dup	45	40	1605979	45			
F611388-DUP1	Duplicate [1610654-03]	45	40					
F611388-MS1	Matrix Spike [1610654-03]	45	40	1605979	45			
F611388-MS2	Matrix Spike [1611168-01]	45	40	1605979	45			
F611388-MSD1	Matrix Spike Dup [1610654-03]	45	40	1605979	45			
F611388-MSD2	Matrix Spike Dup [1611168-01]	45	40	1605979	45			

Standard ID(s):	Description:	Expiration:
1605979	MHg New Primary 1.0 ng/mL CAL	15-Jan-17 00:00

Reagent ID(s):	Description:	Expiration:
1605961	Acetate Buffer	11-Apr-17 00:00
1606301	Ethylating Agent (For Methyl Mercury Analysis)	26-Apr-17 00:00
1606667	APDC	18-Nov-16 00:00
1606762	2.5% Ascorbic Acid	24-Nov-16 00:00
1606765	0.5% HCl Distillation Dilute (Made Daily)	18-Nov-16 00:00

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610654-01	NMC-5249-00	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610654-03	NMC-5249-01	45	40	QC	-	-	MS/MSD Scan all data for level IV repc	
1610654-05	NMC-5249-02	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610654-07	NMC-5249-03	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610654-09	NMC-5249-04	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610654-11	NMC-5249-05	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610654-13	NMC-5249-06	45	40	-	-	-	Preservation Blank Created Scan all dat	
1610740-01	NB3153FB	45	40	-	-	-	Preservation Blank Created	
1610740-02	TB10212016-01	28.93	40	-	-	-	Preservation Blank Created	
1610785-05	NMC-5250-05	45	40	-	-	-	Scan all data for level IV report	
1610786-12	NMC-5251-12	45	40	-	-	-	Scan all data for level IV report	
1610828-10	TB10252016-01 Water 8661420	29.1	40	-	-	-	Preservation blank created on 10/27/16	
1610860-12	WQ3-L_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	
1610860-13	WQ2-C_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	
1610860-14	WQ2-C_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	
1610860-15	OV-02_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	
1610860-16	OV-02_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	
1610860-17	EB_102616_SW_QC	45	40	-	-	-	Scan all data - Level IV	
1610860-18	EB_102616_SW_QC Dissolved	45	40	-	-	-	Scan all data - Level IV	

D Date: 11/18/2016

PREPARATION BENCH SHEET

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

1611168-01	1611128-001C EFF-001 Grab	45	40	-	-	-		

[redacted]

D Date: 11/18/2016

A 11/18/16 2700?

PREPARATION BENCH SHEET

F611352

Eurofins Frontier Global Sciences, Inc.

Matrix: Tissue **Prepared using: Hg Aquatic/Solids - EFGS-010 KOH/Methanol Hg Digestion** **Prepared: 11/15/2016**

Lab Number	Sample ID and Source Sample	Initial (g)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611352-BLK1	Blank	0.25	20					
F611352-BLK2	Blank	0.25	20					
F611352-BLK3	Blank	0.25	20					
F611352-BLK4	Prep Blank	0.3752	20					
F611352-BLK5	Post Blank	0.3364	20					
F611352-BLK6	Filter Blank	0.3424	20					
F611352-BLK7	Blank	0.25	20					500 x
F611352-BLK8	Blank	0.25	20					500 x
F611352-BLK9	Blank	0.25	20					500 x
F611352-BLKA	Pre Blank	0.3752	20					Added 11/21/2016 by RN 500 x
F611352-BLKB	Post Blank	0.3364	20					Added 11/21/2016 by RN 500 x
F611352-BLKC	Filter Blank	0.3424	20					Added 11/21/2016 by RN 500 x
F611352-BS1	DORM-4	0.1255	20	1605470	126			
F611352-BSD1	DORM-4 Dup	0.1259	20	1605470	126			
F611352-DUP1	Duplicate [1611039-01]	0.2688	20					
F611352-DUP2	Duplicate [1611039-01]	0.2688	20					Added 11/21/2016 by RN 500 x
F611352-MS1	Matrix Spike [1611039-01]	0.2661	20	1605978	100			
F611352-MS2	Matrix Spike [1611293-01]	0.2917	20	1605978	100			
F611352-MS3	Matrix Spike [1611039-01]	0.2661	20	1605978	100			Added 11/21/2016 by RN 1000x 500x DAW 11-21-16
F611352-MSD1	Matrix Spike Dup [1611039-01]	0.269	20	1605978	100			
F611352-MSD2	Matrix Spike Dup [1611293-01]	0.2871	20	1605978	100			
F611352-MSD3	Matrix Spike Dup [1611039-01]	0.269	20	1605978	100			Added 11/21/2016 by RN 1000x 500 x DAW 11-21-16

D Date: 11/17/2016

PREPARATION BENCH SHEET

F611352

Eurofins Frontier Global Sciences, Inc.

Matrix: Tissue **Prepared using: Hg Aquatic/Solids - EFGS-010 KOH/Methanol Hg Digestion** **Prepared: 11/15/2016**

Standard ID(s):	Description:	Expiration:
1605470	DORM-4	19-Mar-17 00:00
1605978	MHg New Primary 100 ng/mL spike	15-Oct-17 00:00

Reagent ID(s):	Description:	Expiration:
1603399	Boiling Chips for AFS prep	01-Jun-17 00:00
1605926	25% KOH/Methanol	09-Apr-17 00:00
1605961	Acetate Buffer	11-Apr-17 00:00
1606119	Methanol, HPLC Grade	17-Oct-19 00:00
1606301	Ethylating Agent (For Methyl Mercury Analysis)	26-Apr-17 00:00

D Date: 11/17/2016

PREPARATION BENCH SHEET

F611352

Eurofins Frontier Global Sciences, Inc.

Matrix: Tissue **Prepared using: Hg Aquatic/Solids - EFGS-010 KOH/Methanol Hg Digestion** **Prepared: 11/15/2016**

Lab Number	Sample ID	Initial (g)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610618-01	NMC-5243-01 8644941	0.2708	20	-	-	-		
1610618-02	NMC-5243-02 8644942	0.296	20	-	-	-		
1610618-02RE1	NMC-5243-02 8644942	0.296	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 5000
1610618-03	NMC-5243-03 8644943	0.2699	20	-	-	-		
1610618-03RE1	NMC-5243-03 8644943	0.2699	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 5000
1610618-04	NMC-5243-04 8644944	0.276	20	-	-	-		
1610618-04RE1	NMC-5243-04 8644944	0.276	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500
1610618-05	NMC-5243-05 8644945	0.2694	20	-	-	-		
1610618-05RE1	NMC-5243-05 8644945	0.2694	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500
1610618-06	NMC-5243-06 8644946	0.2604	20	-	-	-		
1610618-06RE1	NMC-5243-06 8644946	0.2604	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 5000
1610618-07	NMC-5243-07 8644947	0.2962	20	-	-	-		
1610618-07RE1	NMC-5243-07 8644947	0.2962	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500
1610618-08	NMC-5243-08 8644948	0.2854	20	-	-	-		
1610618-08RE1	NMC-5243-08 8644948	0.2854	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500
1610618-09	NMC-5243-09 8644949	0.2644	20	-	-	-		
1610618-09RE1	NMC-5243-09 8644949	0.2644	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 5000
1610618-10	NMC-5243-10 8644950	0.2905	20	-	-	-		
1610618-10RE1	NMC-5243-10 8644950	0.2905	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 5000

Date: 11/17/2016

PREPARATION BENCH SHEET

F611352

Eurofins Frontier Global Sciences, Inc.

Matrix: Tissue **Prepared using: Hg Aquatic/Solids - EFGS-010 KOH/Methanol Hg Digestion** **Prepared: 11/15/2016**

1610820-01	OL-2502-01	0.2864	20	-	-	-	Preservation Blank Created Scan all dat	
1611039-01	NMC-5248-01	0.2556	20	QC	-	-	MD/MS/MSD Scan all data for Level I	
1611041-01	GBPE-0025-001	0.274	20	-	-	-	Scan all data for Level IV	
1611293-01	S-161017-00568 699794 Atlantic Cod Mazzetta	0.284	20	-	-	-		
1611293-02	S-161017-00569 699794 Atlantic Cod Trident	0.2877	20	-	-	-		
1611293-02RE1	S-161017-00569 699794 Atlantic Cod Trident	0.2877	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 500 µL
1611293-03	S-161017-00800 458141 Chilean Sea Bass Mazzetta	0.2979	20	-	-	-		
1611293-03RE1	S-161017-00800 458141 Chilean Sea Bass Mazzetta	0.2979	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500 µL
1611293-04	S-161017-00801 458141 Chilean Sea Bass Mazzetta	0.2714	20	-	-	-		
1611293-04RE1	S-161017-00801 458141 Chilean Sea Bass Mazzetta	0.2714	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500 µL
1611293-05	S-161017-00802 458141 Chilean Sea Bass Mazzetta	0.2856	20	-	-	-		
1611293-05RE1	S-161017-00802 458141 Chilean Sea Bass Mazzetta	0.2856	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500 µL
1611293-06	S-161017-00803 458141 Chilean Sea Bass Mazzetta	0.2764	20	-	-	-		
1611293-06RE1	S-161017-00803 458141 Chilean Sea Bass Mazzetta	0.2764	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500 µL
1611293-07	S-161017-00805 458141 Chilean Sea Bass Tai Foong	0.2913	20	-	-	-		
1611293-07RE1	S-161017-00805 458141 Chilean Sea Bass Tai Foong	0.2913	20	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 2500 µL

[redacted]

D Date: 11/17/2016

PREPARATION BENCH SHEET

F611352

Eurofins Frontier Global Sciences, Inc.

Matrix: Tissue **Prepared using: Hg Aquatic/Solids - EFGS-010 KOH/Methanol Hg Digestion** **Prepared: 11/15/2016**

D Date: 11/17/2016

PREPARATION BENCH SHEET

11/21/16

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

Lab Number	Sample ID and Source Sample	Initial (mL)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611388-BLK1	Blank	45	40					1.25
F611388-BLK2	Blank	45	40					1.25
F611388-BLK3	Blank	45	40					1.25
F611388-BS1	LCS	45	40	1605979	45			1.25
F611388-BSD1	LCS Dup	45	40	1605979	45			1.25
F611388-DUP1	Duplicate [1610654-03]	45	40					1.25
F611388-MS1	Matrix Spike [1610654-03]	45	40	1605979	45			1.25
F611388-MS2	Matrix Spike [1611168-01]	45	40	1605979	45			1.25
F611388-MSD1	Matrix Spike Dup [1610654-03]	45	40	1605979	45			1.25
F611388-MSD2	Matrix Spike Dup [1611168-01]	45	40	1605979	45			1.25

Standard ID(s):	Description:	Expiration:	Reagent ID(s):	Description:	Expiration:
1605979	MHg New Primary 1.0 ng/mL CAL	15-Jan-17 00:00	1606667	APDC	18-Nov-16 00:00
			1606765	0.5% HCl Distillation Dilute (Made Daily)	

1605961
1606301
1606762

Date: 11/18/2016

PREPARATION BENCH SHEET

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

Lab Number	Sample ID	Initial (mL)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610654-01	NMC-5249-00	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610654-03	NMC-5249-01	45	40	QC	-	-	MS/MSD Scan all data for level IV repc	1.25
1610654-05	NMC-5249-02	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610654-07	NMC-5249-03	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610654-09	NMC-5249-04	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610654-11	NMC-5249-05	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610654-13	NMC-5249-06	45	40	-	-	-	Preservation Blank Created Scan all dat	1.25
1610740-01	NB3153FB	45	40	-	-	-	Preservation Blank Created	1.25
1610740-02	TB10212016-01	28.93	40	-	-	-	Preservation Blank Created	1.25
1610785-05	NMC-5250-05	45	40	-	-	-	Scan all data for level IV report	1.25
1610786-12	NMC-5251-12	45	40	-	-	-	Scan all data for level IV report	1.25
1610828-10	TB10252016-01 Water 8661420	29.1	40	-	-	-	Preservation blank created on 10/27/16	1.25
1610860-12	WQ3-L_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-13	WQ2-C_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-14	WQ2-C_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-15	OV-02_102616_SW_10	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-16	OV-02_102616_SW_10 Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-17	EB_102616_SW_QC	45	40	-	-	-	Scan all data - Level IV	1.25
1610860-18	EB_102616_SW_QC Dissolved	45	40	-	-	-	Scan all data - Level IV	1.25

Date: 11/18/2016

PREPARATION BENCH SHEET

F611388

Eurofins Frontier Global Sciences, Inc.

Matrix: Water **Prepared using: Hg Aquatic/Solids - EFGS-013 Methyl Hg Distillation for Water** **Prepared: 11/17/2016**

1611168-01	1611128-001C EFF-001 Grab	45	40	-	-	-	1.25	

[redacted]

Date: 11/18/2016

Name: AMB Date: 11-17-16 Batch #: F611388 Sample Matrix: Water

WO#: 1610654, 1610740, 1610785, 1610786, 1610828, 1610860, 1611168

The pH of the preserved sample must be documented before an aliquot is removed for preparation.

Digest #	Sample ID Number	Preserved pH	Sample Size (mL)	Final pH (≥3)
BLK1	F611388-BLK1	1.0	45	4.0
BLK2	F611388-BLK2	1.0	45	3.0
BLK3	F611388-BLK3	1.0	45	3.0
BS1	F611388-BS1	1.0	45	3.0
BSD1	F611388-BSD1	1.0	45	3.0
DUP1	F611388-DUP1	1.0	45	4.0
MS1	F611388-MS1	1.0	45	4.0
MSD1	F611388-MSD1	1.0	45	4.0
MS2	F611388-MS2	1.0	45	3.0
MSD2	F611388-MSD2	1.0	45	3.0
1	1610654-01B	1.0	45	4.0
2	1610654-03B	1.0	45	4.0
3	1610654-05B	1.0	45	4.0
4	1610654-07B	1.0	45	4.0
5	1610654-09B	1.0	45	4.0
6	1610654-11B	1.0	45	4.0
7	1610654-13B	1.0	45	4.0
8	1610740-01B	1.0	45	3.0
9	1610740-02B	1.0	28.93	3.0
10	1610785-05A	1.0	45	4.0 ~~4.5~~ AMB 11-17-16
11	1610786-12A	1.0	45	4.5
12	1610828-10A	1.0	29.10	3.0
13	1610860-12B	1.0	45	3.0
14	1610860-13B	1.0	45	3.0
15	1610860-14B	1.0	45	3.0
16	1610860-15B	1.0	45	4.0
17	1610860-16B	1.0	45	4.0
18	1610860-17B	1.0	45	4.5
19	1610860-18B	1.0	45	4.5
20	1611168-01A	1.0	45	3.0

AMB 11-17-16

Spike ID: 1605979
Spike Amount: 45 µL
Spike Witness: AMB 11/17/16

Balance #: 2
Calibrated? ☑ Yes ☐ No

Pipette #: NU09653
Cal. Date: 11-14-16

Pipette #: CJ17087
Cal. Date: 11-14-16

Pipette #: NU01152
Cal. Date: 11-16-16

APDC ID: 1606667
HCl ID: 1606765

Temperature: No set range as the temp. may be changed to keep flow rate of ≥10 mL per hour. Temperature is recorded for informational purposes only.

Unit 1: 121.7
Unit 2: 122.0
Unit 3: 120.7
Unit 4: 120.0
Unit 5: 122.0
Unit 6: 122.0

Comments:
F611388-DUP1: 1610654-03B
F611388-MS1, MSD1: 1610654-03B
F611388-MS2, MSD2: 1611168-01A
First sample off: 1855

PREPARATION BENCH SHEET

F611323

m 11/18/16 2700)

Eurofins Frontier Global Sciences, Inc.

Matrix: Soil/Sediment **Prepared using: Hg Aquatic/Solids - EFGS-045 MeCl2 Extraction for Methyl Hg** **Prepared: 11/15/2016**

Lab Number	Sample ID and Source Sample	Initial (g)	Final (mL)	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	Extraction Comments
F611323-BLK1	Blank	0.5	250					
F611323-BLK2	Blank	0.5	250					
F611323-BLK3	Blank	0.5	250					
F611323-BLK4	Blank	0.5	250					
F611323-BLK5	Blank	0.5	250					
F611323-BLK6	Blank	0.5	250					
F611323-BS1	Blank Spike	0.5	250	1605978	25			
F611323-BSD1	Blank Spike dup	0.5	250	1605978	25			
F611323-DUP1	Duplicate [1610862-01]	0.535	250					
F611323-MS1	Matrix Spike [1610862-01]	0.5257	250	1605978	25			
F611323-MS2	Matrix Spike [1611082-01]	0.521	250	1605978	25			
F611323-MSD1	Matrix Spike Dup [1610862-01]	0.5613	250	1605978	25			
F611323-MSD2	Matrix Spike Dup [1611082-01]	0.587	250	1605978	25			

Standard ID(s):	Description:	Expiration:
1605978	MHg New Primary 100 ng/mL spike	15-Oct-17 00:00

Reagent ID(s):	Description:	Expiration:
1602382	Dichloromethane	05-May-19 00:00
1603399	Boiling Chips for AFS prep	01-Jun-17 00:00
1605961	Acetate Buffer	11-Apr-17 00:00
1606165	CuSO4	15-Feb-17 00:00
1606301	Ethylating Agent (For Methyl Mercury Analysis)	26-Apr-17 00:00
1606366	Acid Bromide	30-Nov-16 00:00

D Date: 11/28/2016

PREPARATION BENCH SHEET

F611323

Eurofins Frontier Global Sciences, Inc.

Matrix: Soil/Sediment **Prepared using: Hg Aquatic/Solids - EFGS-045 MeCl2 Extraction for Methyl Hg** **Prepared: 11/15/2016**

Lab Number	Sample ID	Initial (g)	Final (mL)	QC Sample	Sample Specs.	Raw Data	Sample Comments	Analysis Comments
1610828-06	NB03SED-CHM399 8661409	0.5748	250	-	-	-	Scan all data for Level IV	
1610828-07	NB03SED-CHM386 8661412	0.5523	250	-	-	-	Scan all data for Level IV	
1610828-08	NB03SED-CHM391 8661415	0.5778	250	-	-	-	Scan all data for Level IV	
1610828-09	NB03SEDDUP-07 8661418	0.5486	250	-	-	-	Scan all data for Level IV	
1610862-01	NB03SED-CHM408 8664049	0.5431	250	-	-	-	Scan all data for Level IV	
1610862-02	NB03SED-CHM409 8664051	0.5382	250	-	-	-	Scan all data for Level IV	
1610862-03	NB03SED-CHM406 8664053	0.5323	250	-	-	-	Scan all data for Level IV	
1610862-04	NB03SED-CHM405 8664055	0.5304	250	-	-	-	Scan all data for Level IV	
1610862-05	NB03SED-CHM404 8664057	0.5415	250	-	-	-	Scan all data for Level IV	
1610862-06	NB03SED-CHM401 8664059	0.5849	250	-	-	-	Scan all data for Level IV	
1610862-07	NB03SED-CHM400 8664061	0.5675	250	-	-	-	Scan all data for Level IV	
1610862-08	NB03SED-CHM397 8664063	0.5556	250	-	-	-	Scan all data for Level IV	
1610862-09	NB03SED-CHM396 8664065	0.545	250	-	-	-	Scan all data for Level IV	
1610865-01	NB03SED-CHM407 8664077	0.5631	250	-	-	-	Scan all data for Level IV	
1610865-02	NB03SED-CHM407C 8664079	0.5494	250	-	-	-	Scan all data for Level IV	
1610865-03	NB03SED-CHM407D 8664080	0.5657	250	RN 11/21/16		-	Scan all data for Level IV	
1610865-03RE1	NB03SED-CHM407D 8664080	0.5657	~~250~~ 500	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 125x
16[illegible]2-01	NB03SED-CHM402 8666474	0.5558	250	-	-	-	Scan all data for Level IV	
16[illegible]2-01RE1	NB03SED-CHM402 8666474	0.5558	250	-	-	-	Added 11/18/2016 by RN	Added 11/18/2016 by RN 1x

D[illegible] Date: 11/28/2016

PREPARATION BENCH SHEET

F611323

Eurofins Frontier Global Sciences, Inc.

Matrix: Soil/Sediment **Prepared using: Hg Aquatic/Solids - EFGS-045 MeCl2 Extraction for Methyl Hg** **Prepared: 11/15/2016**

1611082-02	NB03SED-CHM394 8666476	0.5653	250	-	-	-	Scan all data for Level IV	
1611082-03	NB03SED-CHM398 8666478	0.568	250	-	-	-	Scan all data for Level IV	
1611082-04	NB03SED-CHM393 8666480	0.5684	250	-	-	-	Scan all data for Level IV	

[redacted]

D Date: 11/28/2016

Methyl Mercury Sediment Preparation : EFAFS-T-AFS-SOP5134

Technician: Dwyer **Batch#:** F611323 **Date:** 11/11/16

Heat Block 45°C (nitrogen purge for 30 minutes). Balance#: 19 Calibrated? ☑ Yes ☐ No

Date of purging: 11/15/16 (Hold)	Actual Temp (raw)°C	W/CF°C	Hot Block Unit # (10 or 11)	Date of purging: 11/18/16	Actual Temp (raw)°C	W/CF°C	Hot Block Unit # (10 or 11)
1st time in: 8:25	48.3	47.5	11	1st time in: 9:50	49.1	48.3	11
1st time out: 8:55	49.2	48.4	11	1st time out: 10:20	49.2	48.4	
2nd time in: 9:00	49.7	48.9	10	2nd time in:			
2nd time out: 9:30	50.1	49.3	10	2nd time out:			
3rd time in: 9:35	49.6	48.8	11	3rd time in:			
3rd time out: 10:05	49.9	49.1	11	3rd time out:			
4th time in: 10:10	50.0	49.2	10	4th time in:			
4th time out: 10:40	49.8	49.0	10	4th time out:			

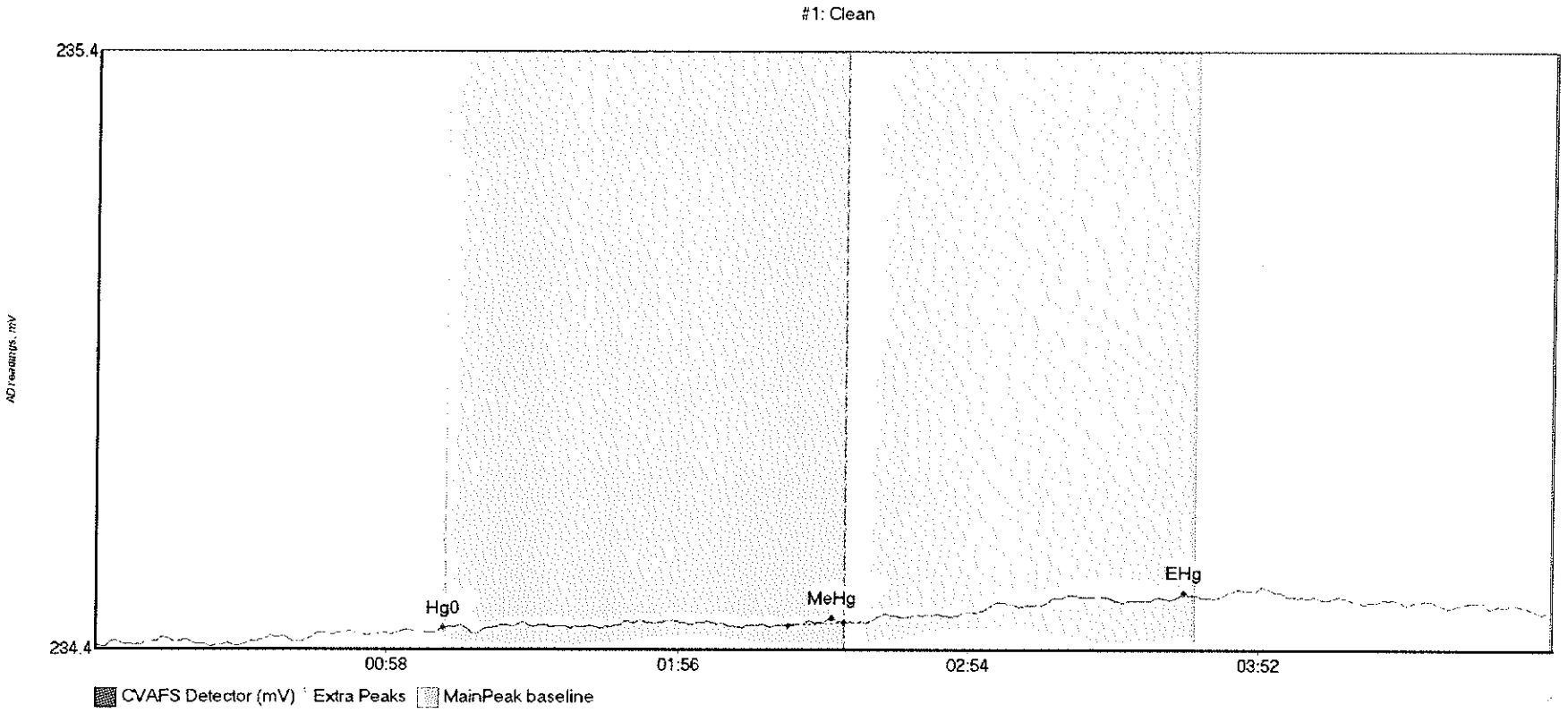
Final vol.: 50 mL (LIMS ID: NA) **Spike vol.:** 25 µL (LIMS ID: 1605978)

Spike Witness: BC 11/14/16 (initial and date)

Acid Bromide LIMS ID: 1606366
CH_2Cl_2 LIMS ID: 1602382
$CuSO_4$ LIMS ID: 1606165
Other Acid LIMS ID: NA
Centrifuge Tube Lot #: J252617-0026

Pipette SN#: CJ17689 Calibration Date: 11/14/16
Pipette SN#: NW0152 Calibration Date: 11/10/16
Dispenser #: 12J9647 Calibrated? ☑ Yes ☐ No
Boiling Chip lot #: 1603399

Vial #	Sample ID Number	Sample Size ☐mL ☒g	Vial #	Sample ID Number	Sample Size ☐mL ☒g	Comments
1	F611323 Blank1	0.5102	23	1610862-09	0.5450	Thermometer SN:
2	F611323 Blank2	0.5071	24	1610865-01	0.5631	140418012
3	F611323 Blank3	0.4908	25	1610865-02	0.5494	1610862-01
4	F611323 BS1	0.5183	26	1610865-03	0.5657	= 0.5431g
5	F611323 BSD1	0.5209	27	1611082-01	0.5558	Dup1 MS1 MSD1
6	F611323 Dup1	0.5350	28	1611082-02	0.5653	= 1610862-01
7	F611323 MS1	0.5257	29	1611082-03	0.5680	MS2 MSD2
8	F611323 MSD1	0.5613	30	1611082-04	0.5684	1611082-01
9	F611323 MS2	0.5210	31			1611082-02
10	F611323 MSD2	0.5870	32			= 0.5653g
11	1610828-06	0.5748	33			1611083-03
12	1610828-07	0.5523	34			= 0.5680g
13	1610828-08	0.5778	35		11/11/16	Weigh samples
14	1610828-09	0.5486	36		DS	on 11/11/16
15	1610862-01	0.5431	37			F611323 Blank2
16	1610862-02	0.5382	38			Add Acid
17	1610862-03	0.5323	39			on 11/14/16 DS
18	1610862-04	0.5304	40			11/15/16 DS
19	1610862-05	0.5415	41			Re purges.
20	1610862-06	0.5849	42			3 Blank RE1
21	1610862-07	0.5675	43			1610865-031mL
22	1610862-08	0.5556	44			1611082-01RE1



ALL CHROMATOGRAMS REVIEWED 11.21.16 DMW

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
Clean Hg0	1.264	29.0	69.9	234.36	234.39	69.7	0.030	CT	234.3622	0.00	0.06	
Clean MeHg	0.407	138.6	150.0	234.40	234.40	147.5	0.012	CT	234.3622	0.00	0.06	
Clean EHg	4.066	154.2	219.5	234.40	234.45	217.9	0.049	OK	234.3622	0.00	0.06	

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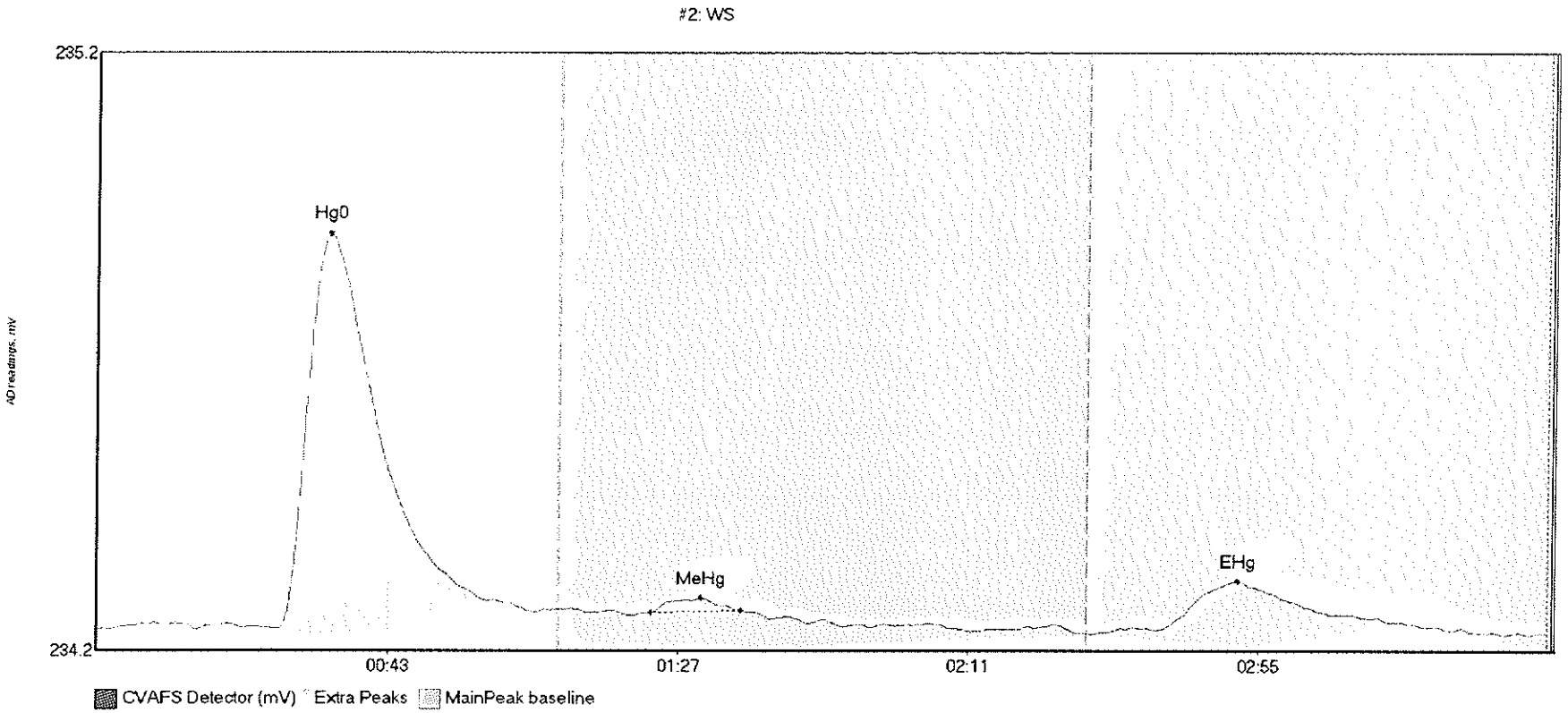
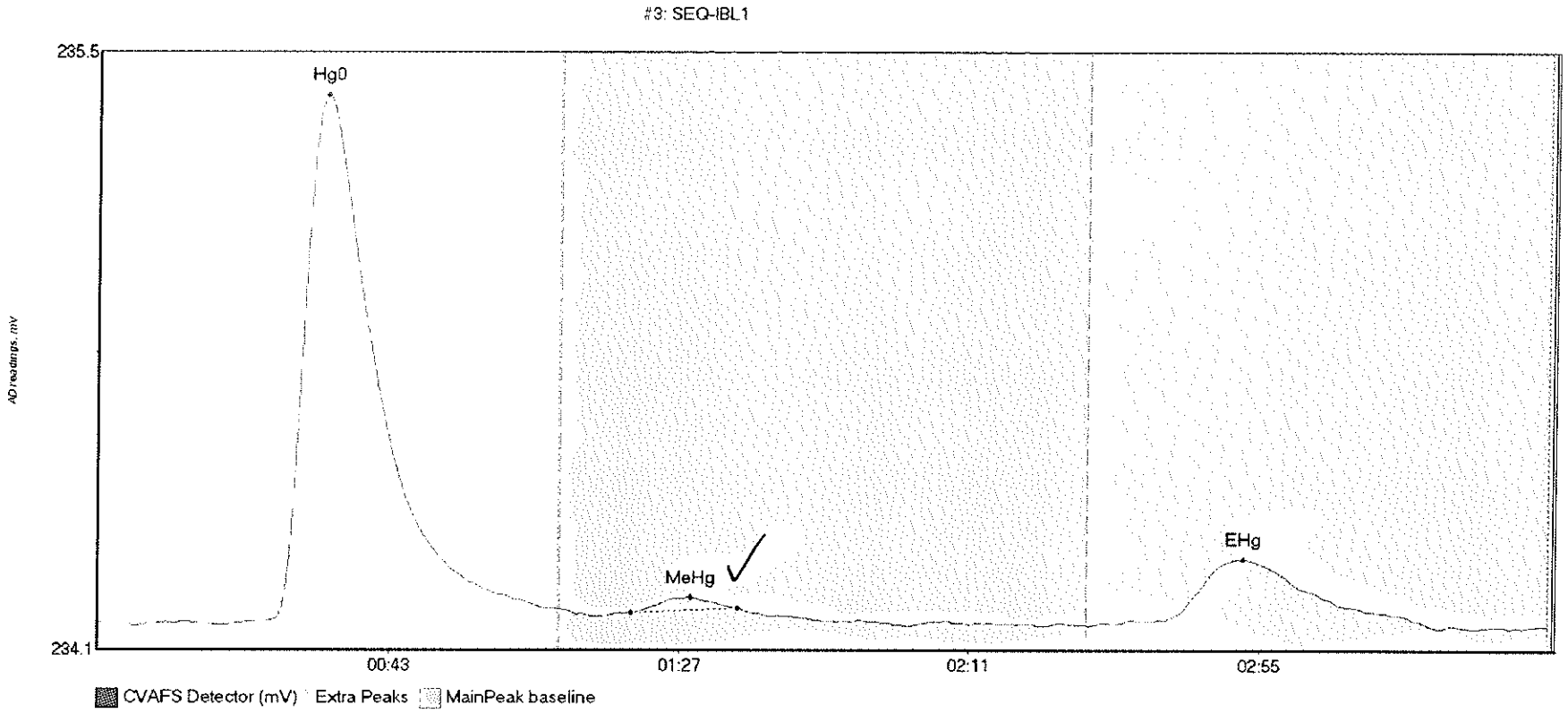
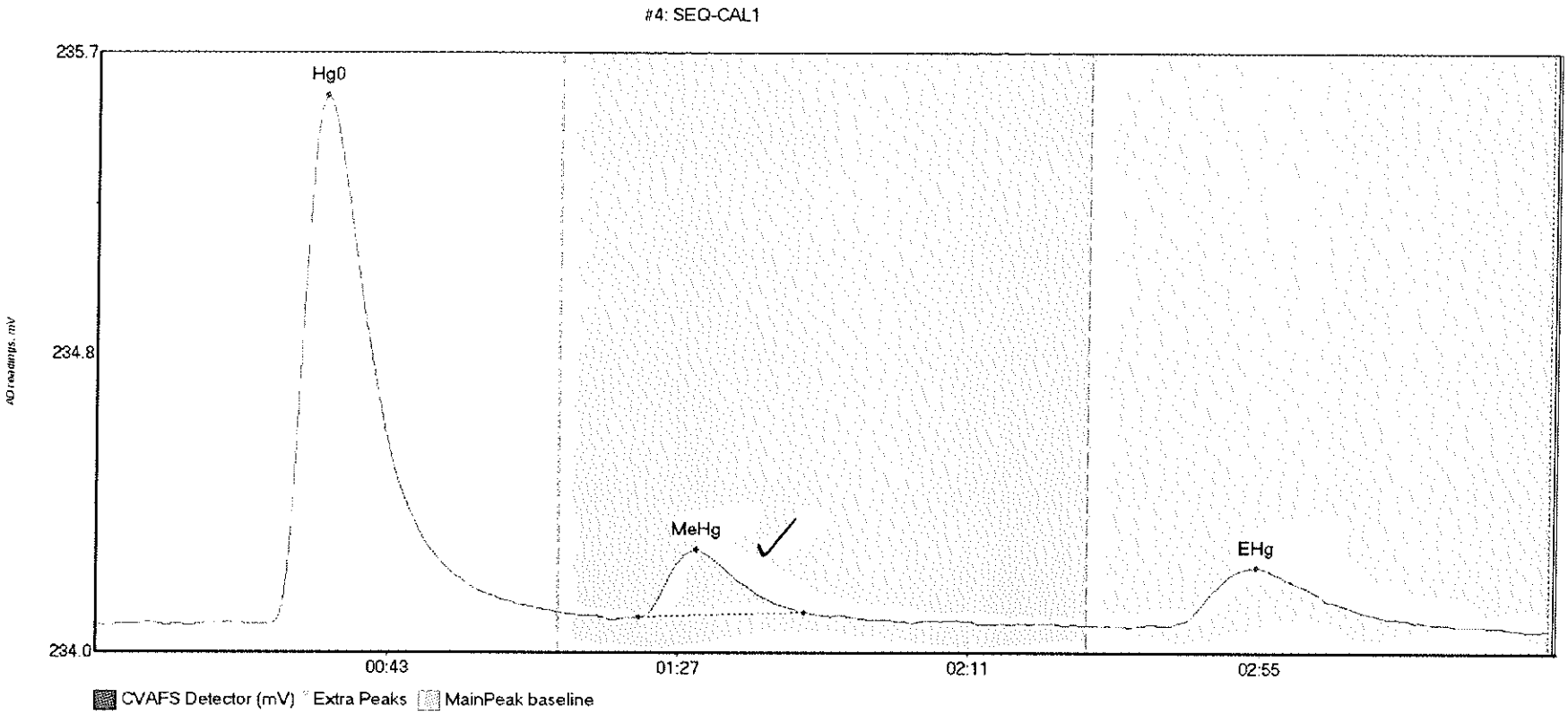


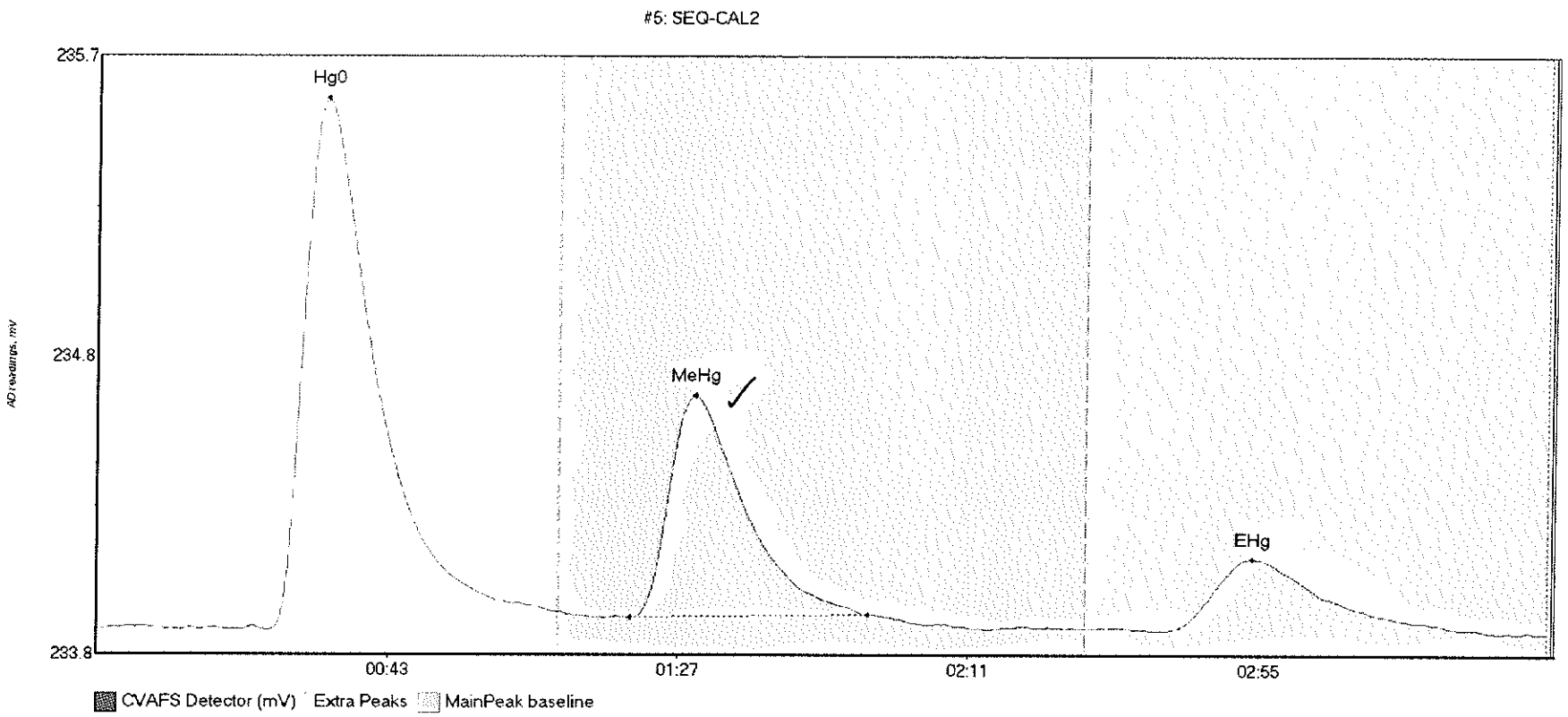
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
WS Hg0	82.899	27.4	66.4	234.25	234.28	35.2	0.659	OK	234.2536	0.00	-0.01	
WS MeHg	1.855	83.9	97.4	234.28	234.28	91.5	0.025	OK	234.2536	0.00	-0.01	
WS EHg	17.018	153.0	205.1	234.25	234.25	172.9	0.087	OK	234.2536	0.00	-0.01	



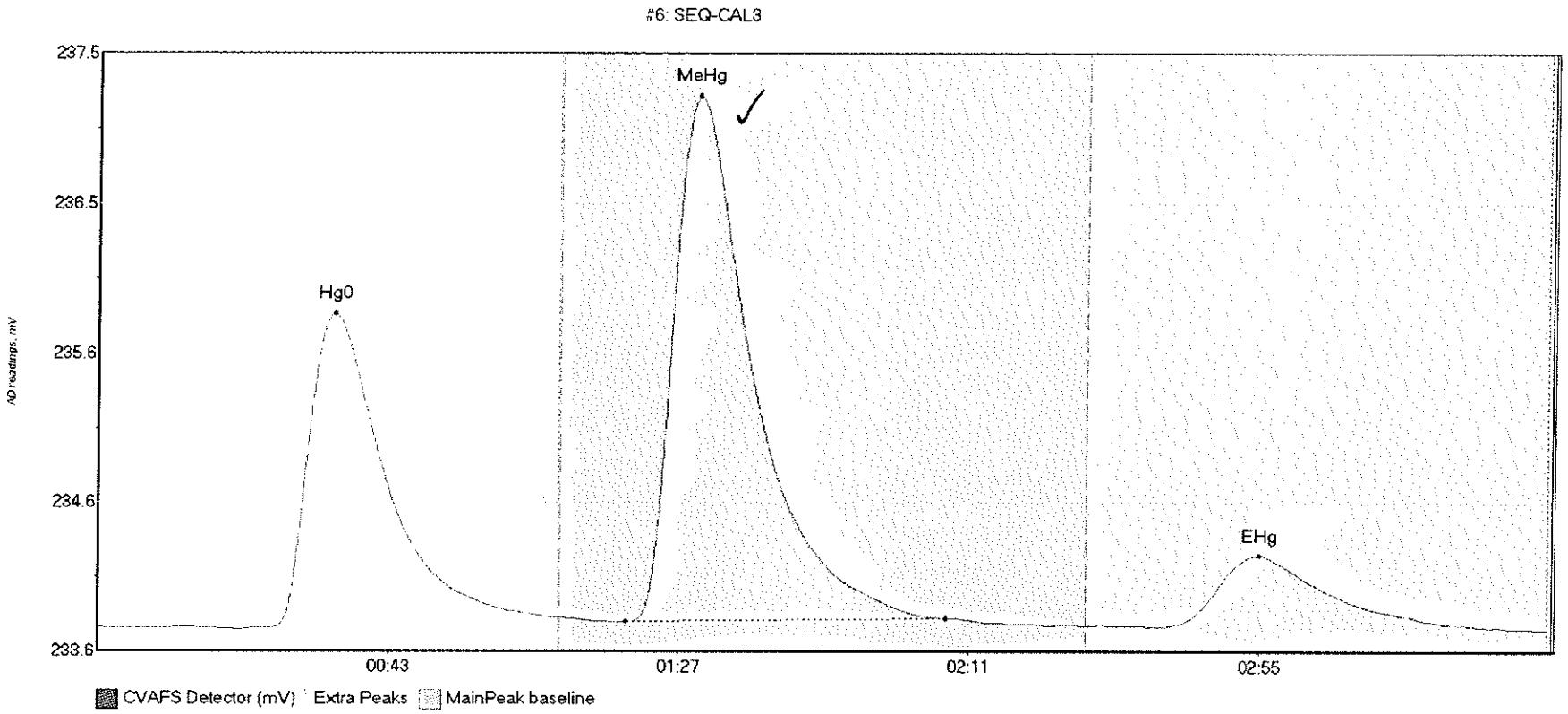
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-IBL1 Hg0	158.289	23.2	69.8	234.16	234.19	34.4	1.275	OK	234.1571	0.00	-0.01	
SEQ-IBL1 MeHg	2.897	80.7	96.9	234.18	234.19	89.7	0.038	OK	234.1571	0.00	-0.01	
SEQ-IBL1 EHg	32.549	154.3	203.3	234.16	234.14	173.6	0.157	OK	234.1571	0.00	-0.01	



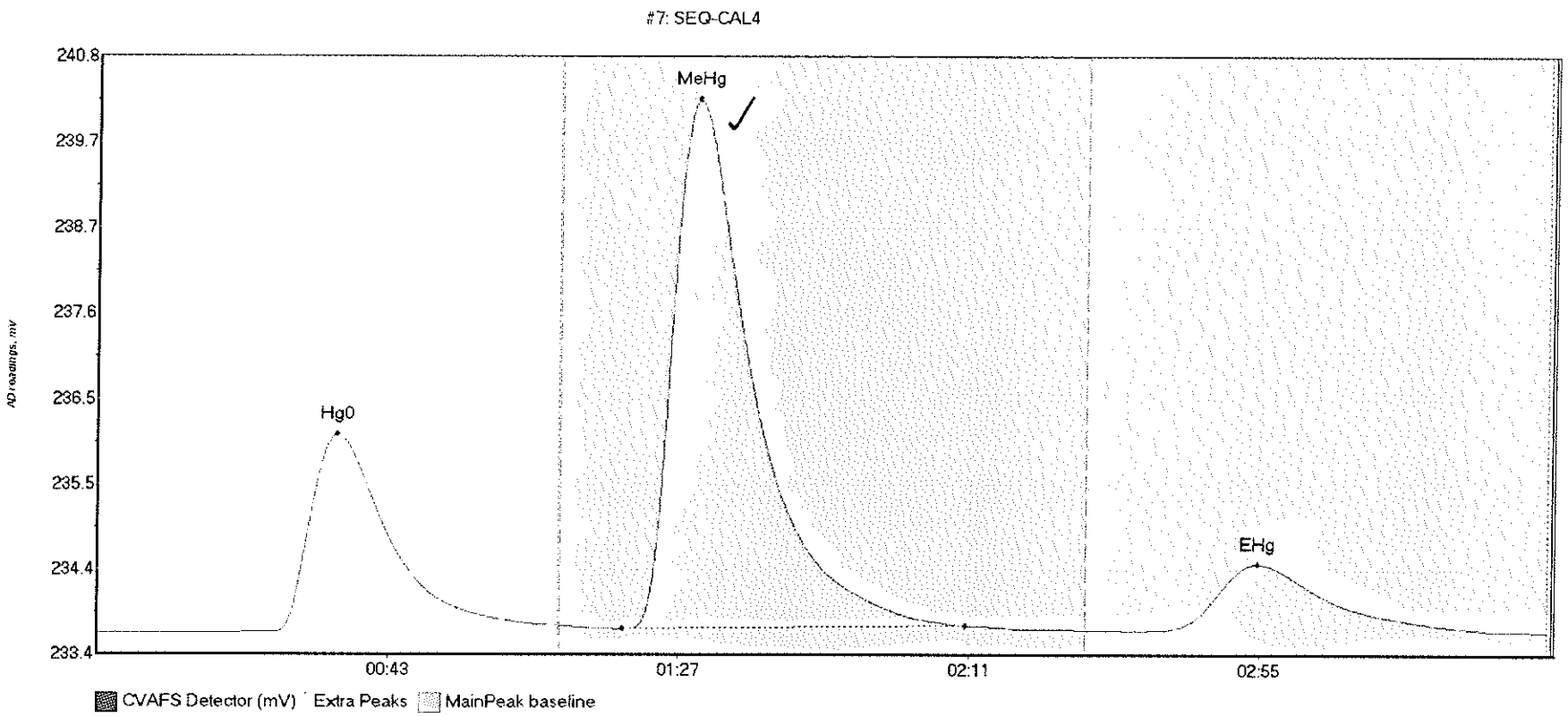
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL1 Hg0	184.744	26.7	69.9	234.05	234.08	34.5	1.496	CT	234.0437	0.00	-0.02	
SEQ-CAL1 MeHg	21.726	82.2	107.0	234.06	234.08	90.8	0.194	OK	234.0437	0.00	-0.02	
SEQ-CAL1 EHg	29.406	162.2	202.4	234.04	234.05	175.5	0.165	OK	234.0437	0.00	-0.02	



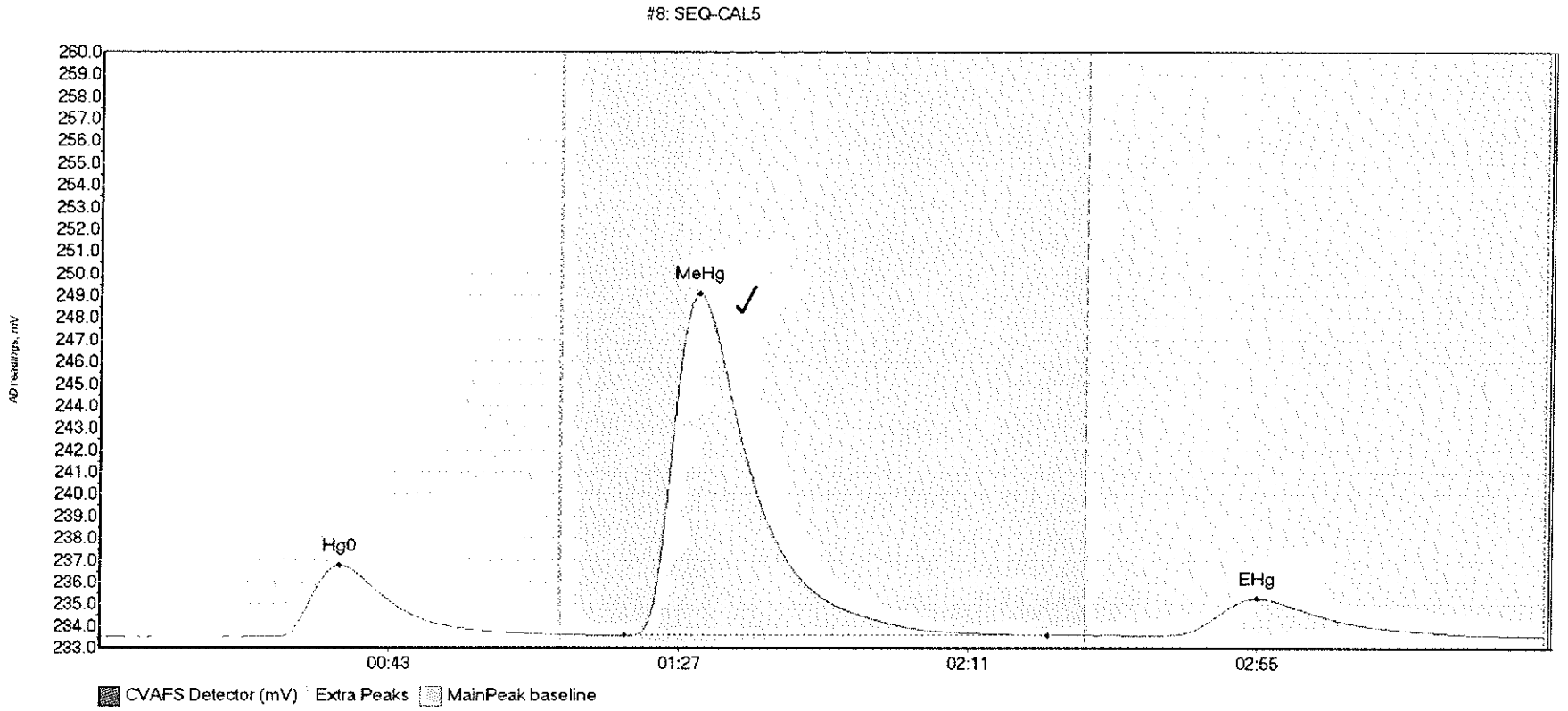
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL2 Hg0	207.810	25.8	69.9	233.90	233.96	34.6	1.662	CT	233.9086	0.00	-0.01	
SEQ-CAL2 MeHg	90.219	80.9	116.8	233.94	233.95	90.6	0.695	OK	233.9086	0.00	-0.01	
SEQ-CAL2 EHg	41.000	162.0	206.6	233.90	233.91	175.0	0.224	OK	233.9086	0.00	-0.01	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL3 Hg0	267.060	26.3	69.9	233.77	233.84	35.8	2.041	CT	233.7779	0.00	-0.02	
SEQ-CAL3 MeHg	472.075	80.1	128.6	233.81	233.83	90.9	3.413	OK	233.7779	0.00	-0.02	
SEQ-CAL3 EHg	84.133	160.9	206.5	233.78	233.79	176.0	0.469	OK	233.7779	0.00	-0.02	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL4 Hg0	332.036	26.6	69.9	233.64	233.72	36.3	2.465	CT	233.6337	0.00	0.01	
SEQ-CAL4 MeHg	920.424	79.6	131.5	233.68	233.72	90.9	6.583	OK	233.6337	0.00	0.01	
SEQ-CAL4 EHg	156.550	160.6	211.5	233.66	233.65	175.8	0.831	OK	233.6337	0.00	0.01	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CAL5 Hg0	442.534	26.6	69.9	233.50	233.60	36.6	3.250	CT	233.4929	0.00	0.05	
SEQ-CAL5 MeHg	2184.338	79.7	144.1	233.56	233.60	90.9	15.511	OK	233.4929	0.00	0.05	
SEQ-CAL5 EHg	317.993	160.5	216.0	233.57	233.55	176.1	1.680	OK	233.4929	0.00	0.05	

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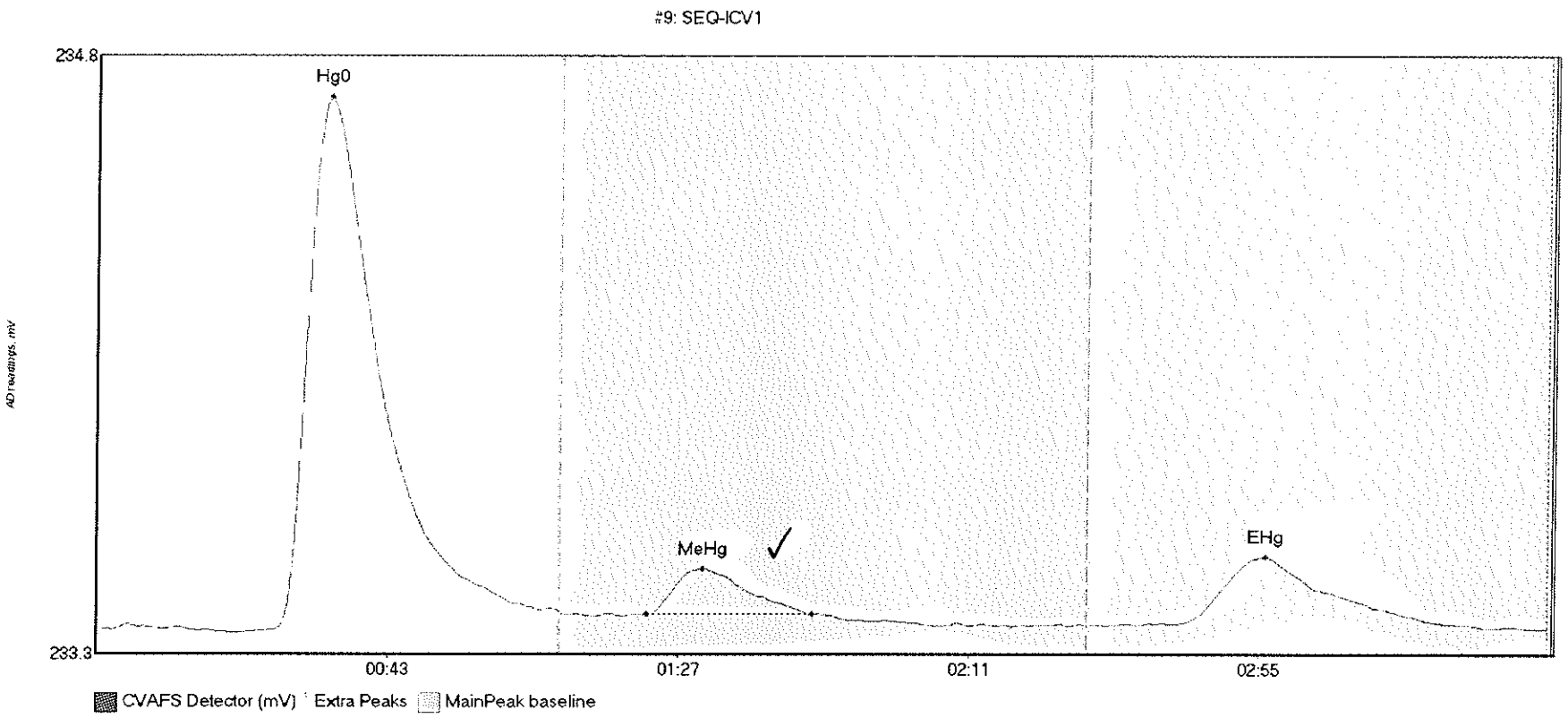
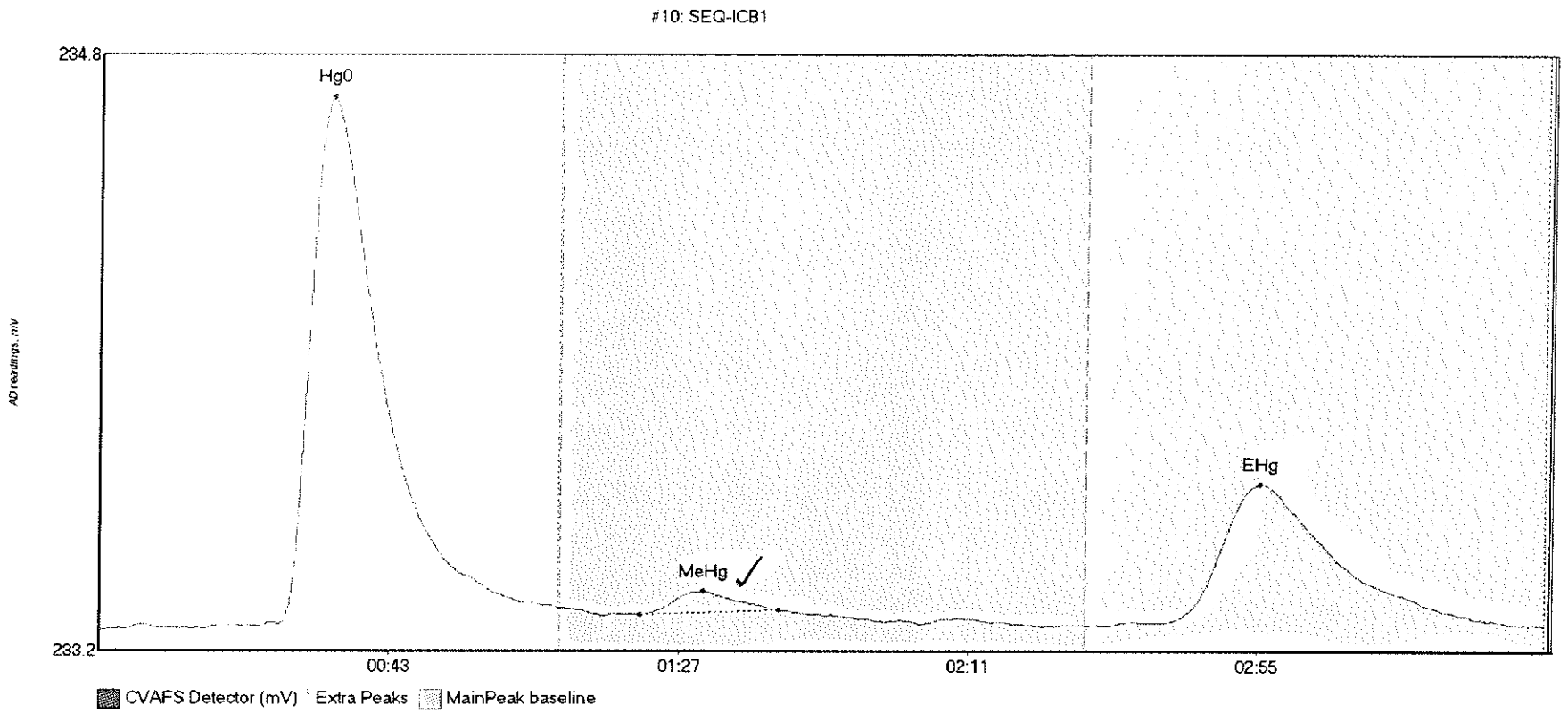
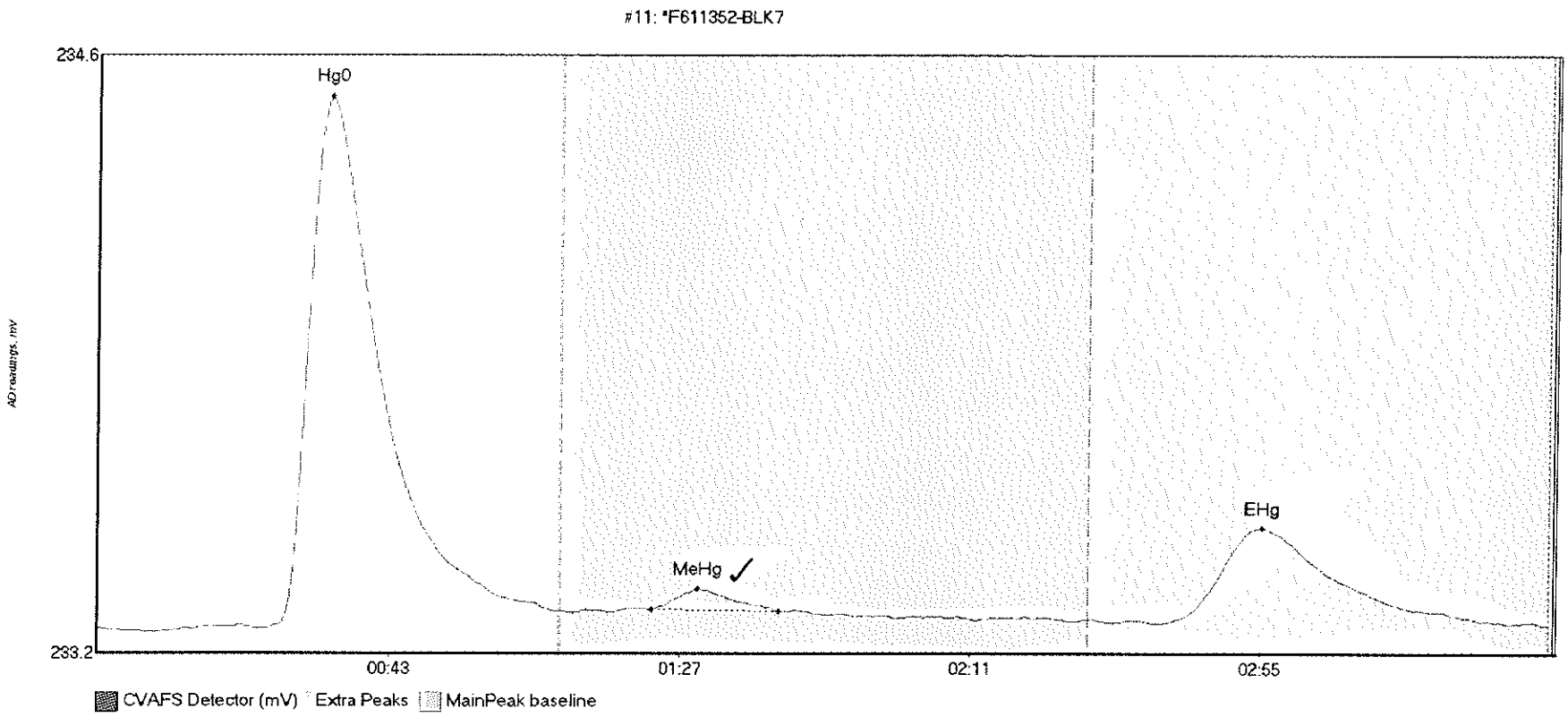


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICV1 Hg0	162.352	26.4	69.9	233.39	233.43	35.1	1.293	CT	233.3937	0.00	0.00	
SEQ-ICV1 MeHg	13.912	83.2	108.3	233.43	233.43	91.8	0.111	OK	233.3937	0.00	0.00	
SEQ-ICV1 EHg	28.262	163.1	204.3	233.40	233.40	177.1	0.163	OK	233.3937	0.00	0.00	

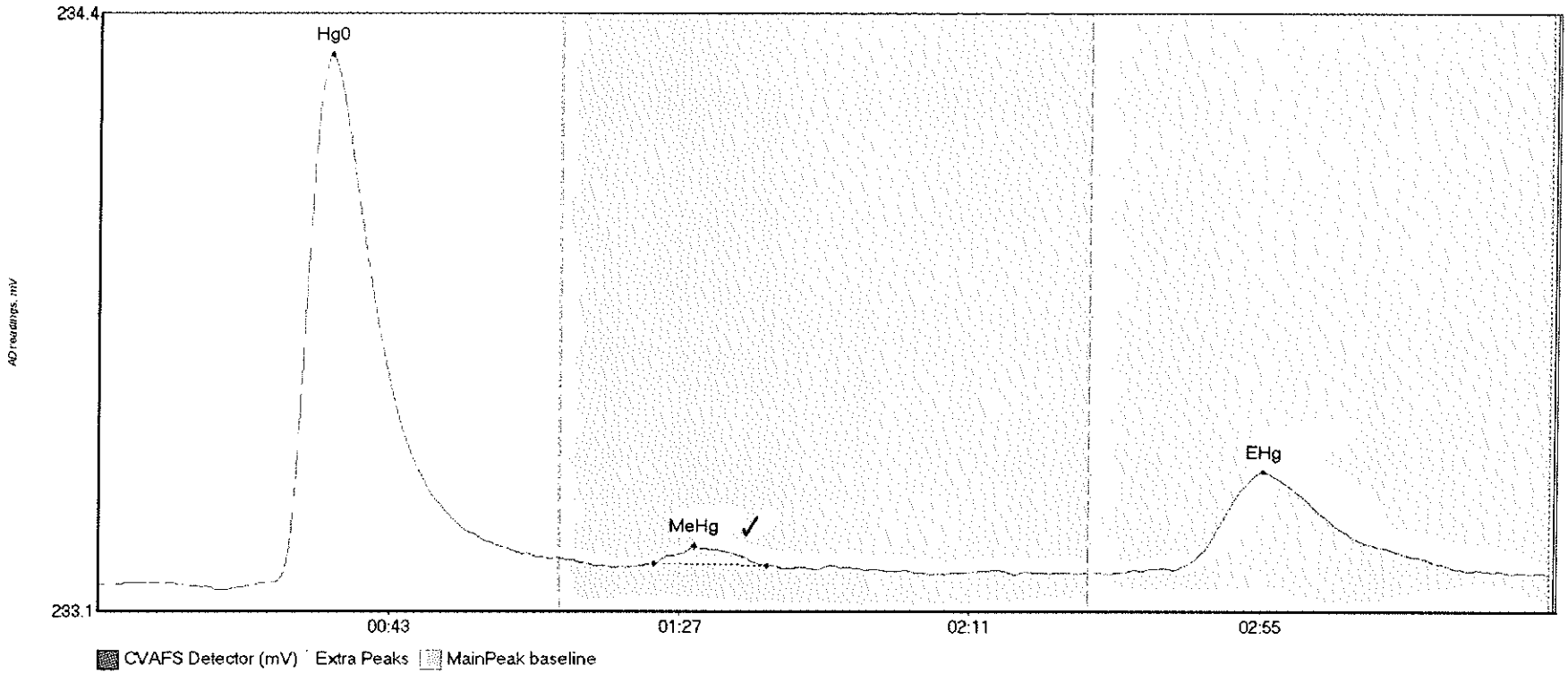


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICB1 Hg0	166.415	15.9	69.9	233.30	233.35	35.3	1.352	CT	233.2936	0.00	0.01	
SEQ-ICB1 MeHg	5.776	82.2	103.2	233.33	233.34	91.7	0.060	OK	233.2936	0.00	0.01	
SEQ-ICB1 EHg	71.409	153.5	215.1	233.30	233.31	176.4	0.361	OK	233.2936	0.00	0.01	

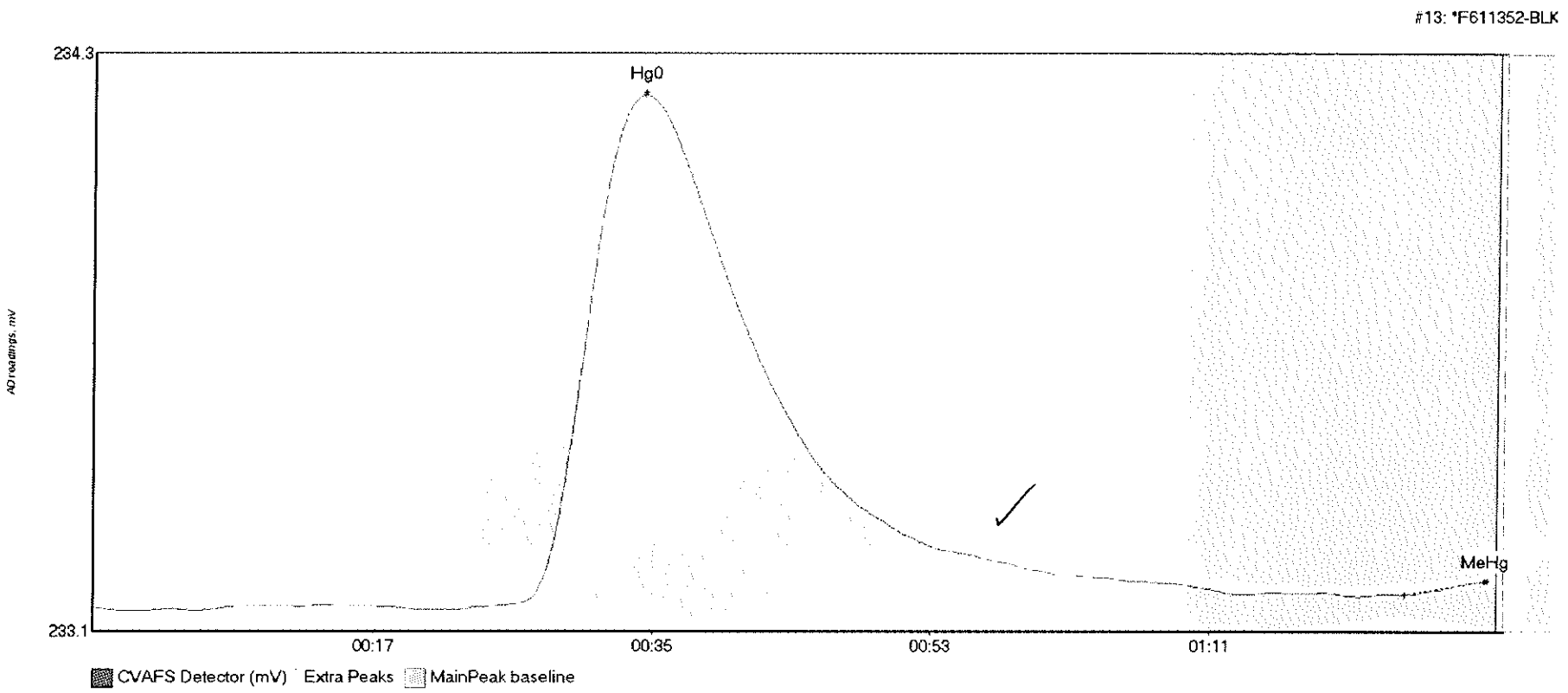


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
*F611352-BLK7 H	154.373	25.2	69.4	233.23	233.27	35.0	1.233	OK	233.2248	0.00	0.01	
*F611352-BLK7 M	4.764	83.7	103.0	233.27	233.26	90.8	0.047	OK	233.2248	0.00	0.01	
*F611352-BLK7 E	39.950	161.1	207.5	233.24	233.25	176.3	0.221	OK	233.2248	0.00	0.01	

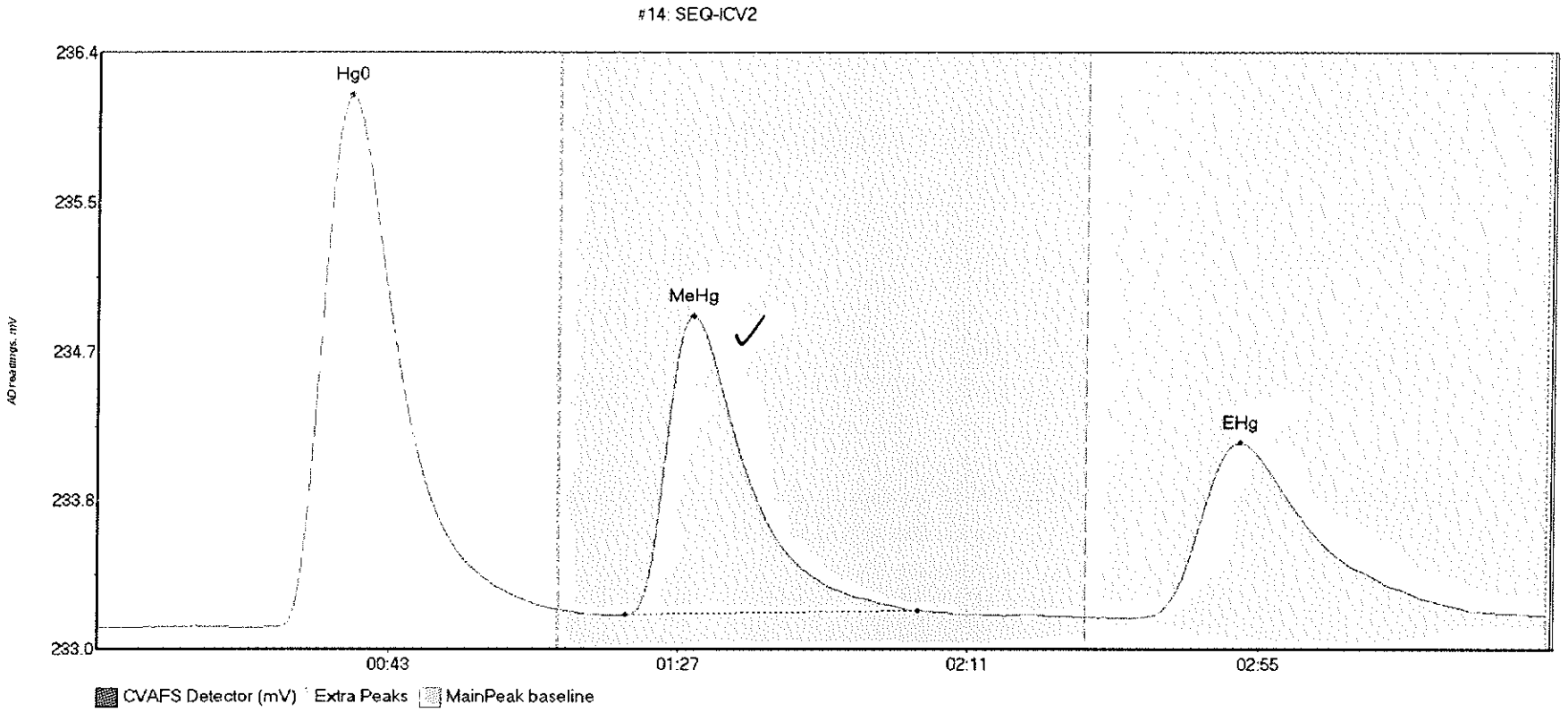
#12: *F611352-BLK8



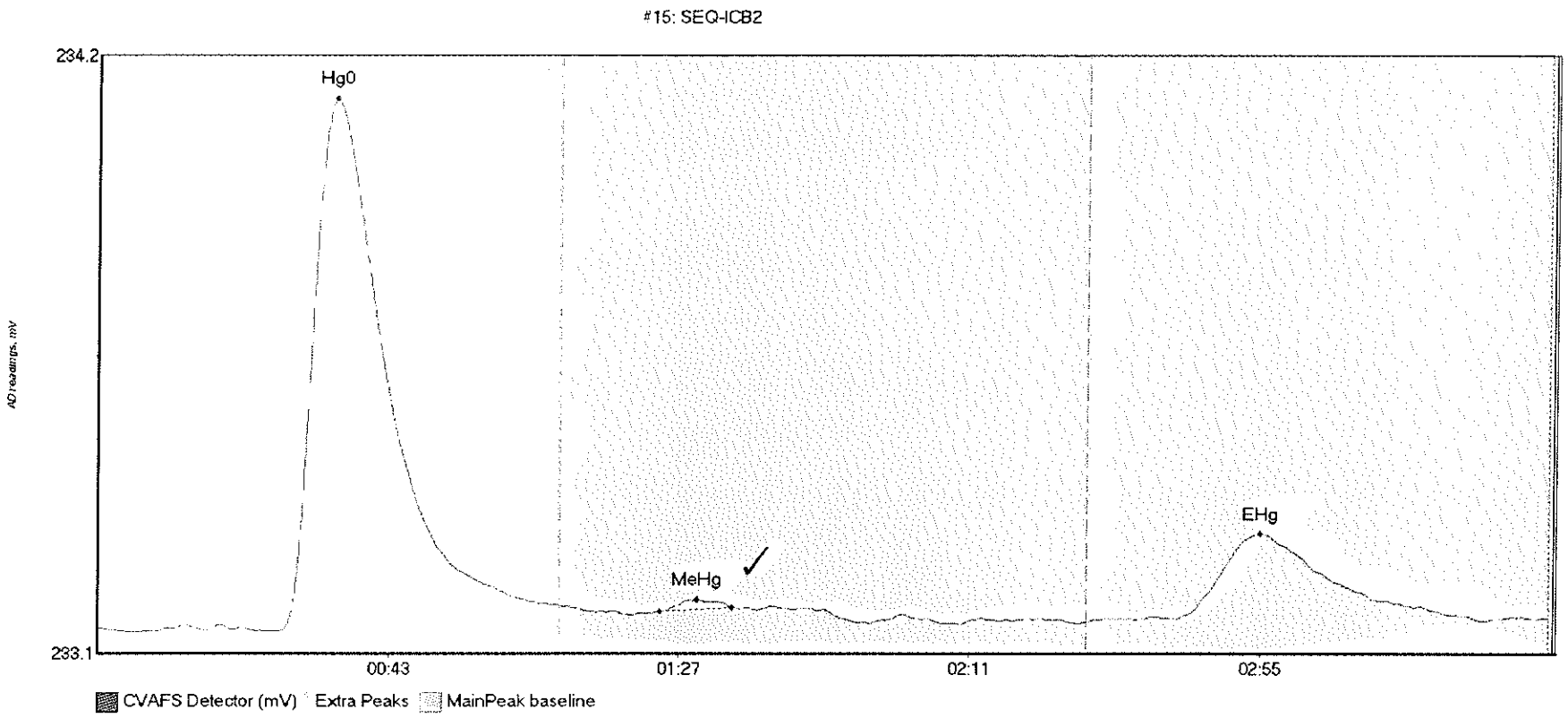
Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
*F611352-BLK8	H	142.413	26.4	68.5	233.17	233.22	35.0	1.144	OK	233.1662	0.00	0.02	
*F611352-BLK8	M	3.768	84.2	101.1	233.21	233.21	90.2	0.037	OK	233.1662	0.00	0.02	
*F611352-BLK8	E	39.408	162.9	207.9	233.20	233.19	176.5	0.214	OK	233.1662	0.00	0.02	



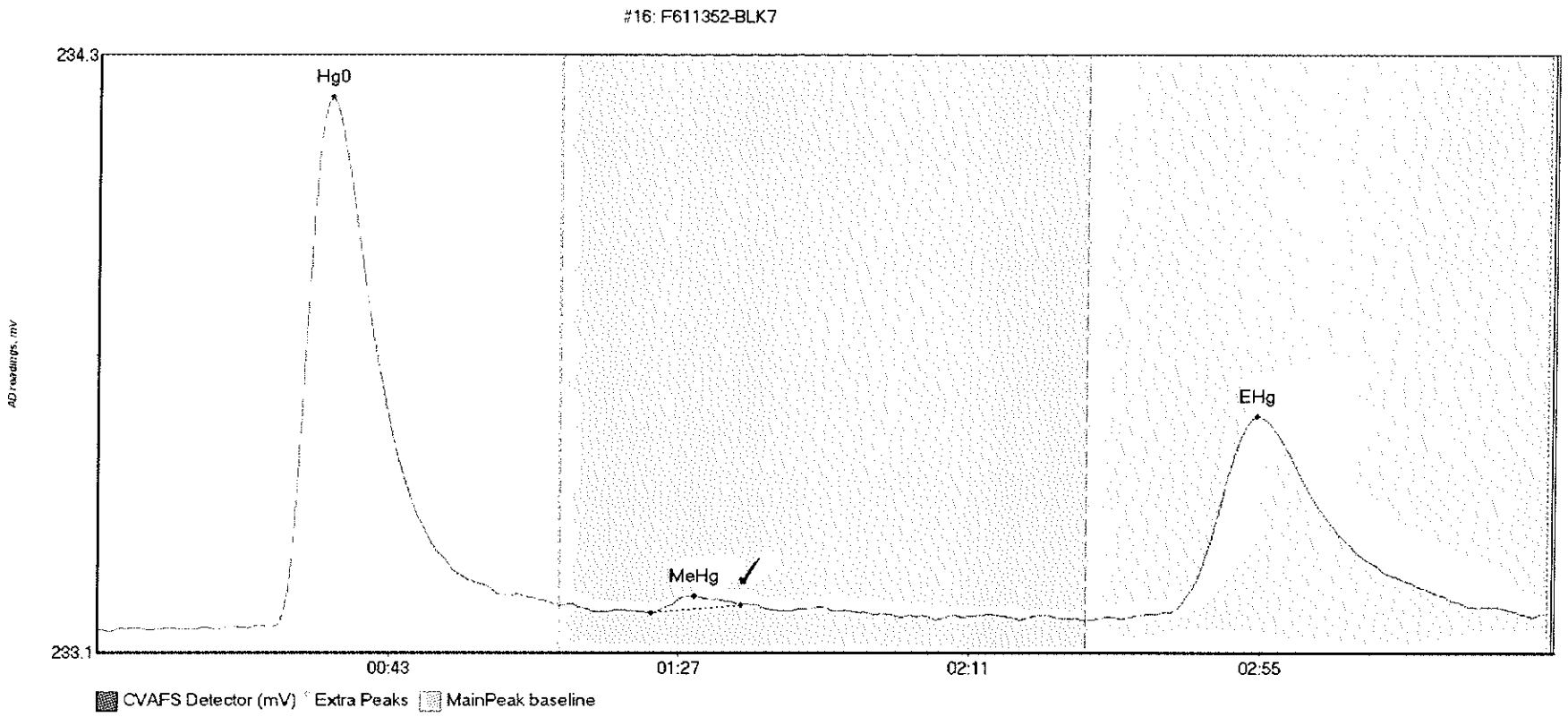
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
*F611352-BLK9 H	131.207	25.2	69.9	233.14	233.18	35.0	1.049	CT	233.1334	0.00	0.05	
*F611352-BLK9 M	0.038	83.7	88.9	233.16	233.19	88.8	0.028	CT	233.1334	0.00	0.05	



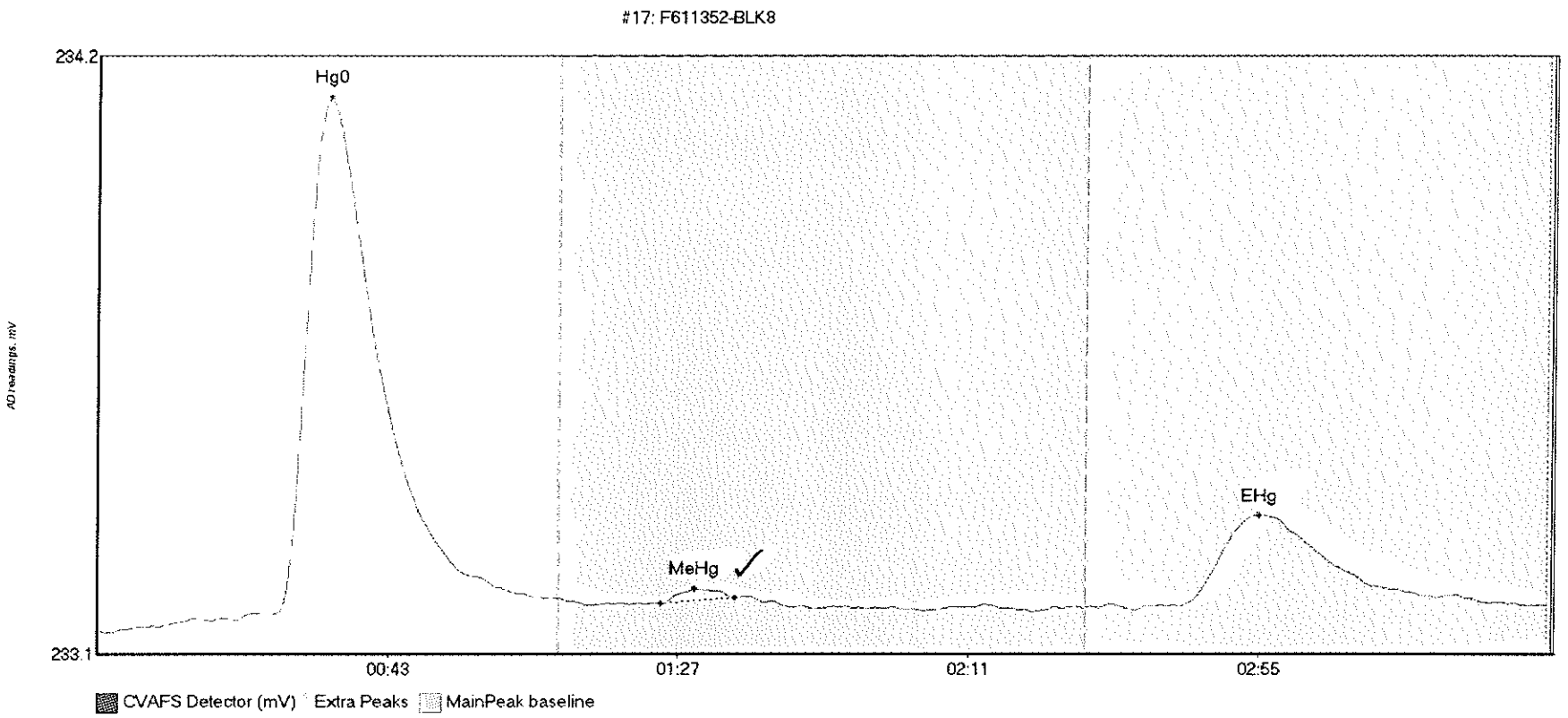
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICV2 Hg0	404.201	24.8	69.9	233.11	233.21	38.2	3.022	CT	233.1047	0.00	0.07	
SEQ-ICV2 MeHg	235.771	80.1	124.4	233.18	233.20	90.1	1.700	OK	233.1047	0.00	0.07	
SEQ-ICV2 EHg	198.198	156.7	219.7	233.16	233.17	173.2	1.000	OK	233.1047	0.00	0.07	



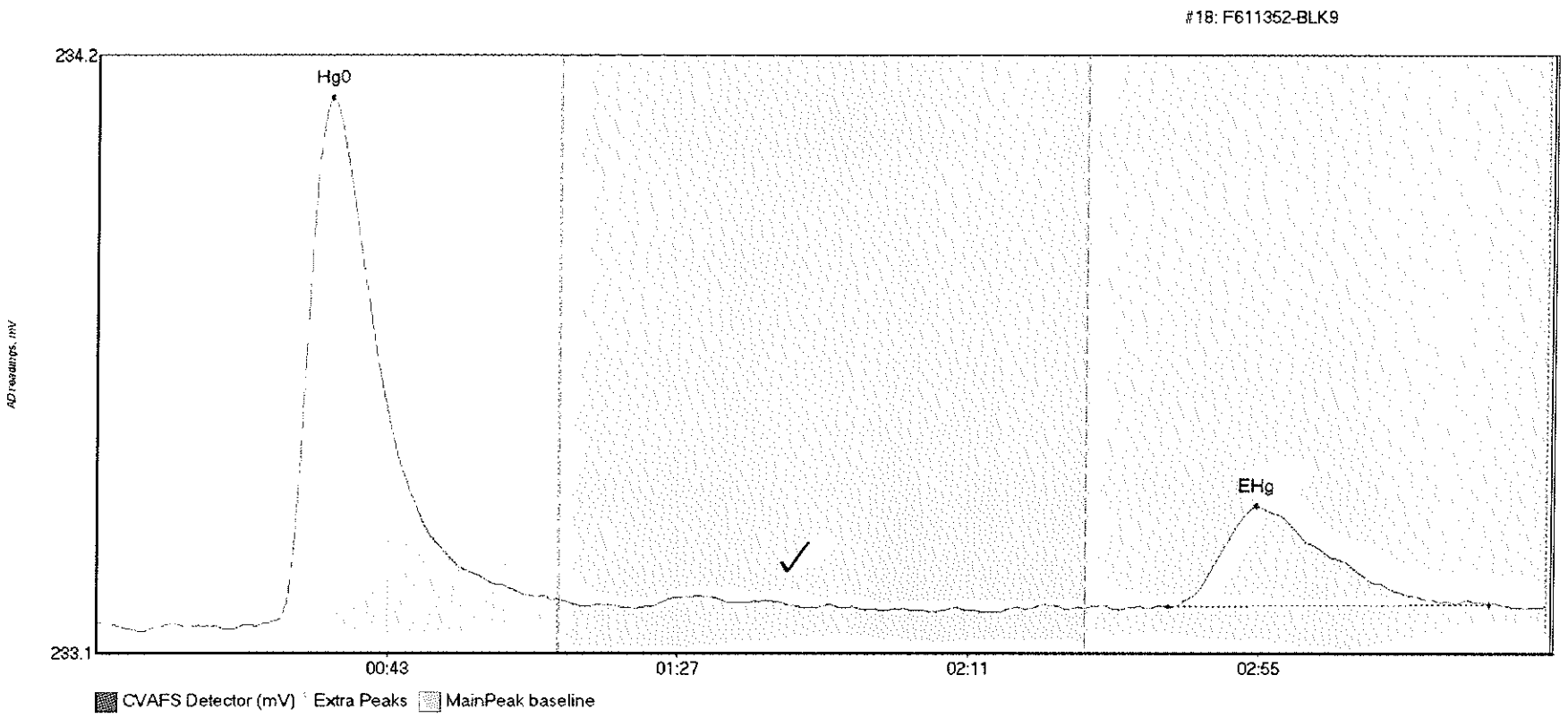
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-ICB2 Hg0	128.373	27.5	69.9	233.11	233.16	35.9	1.034	CT	233.1111	0.00	0.02	
SEQ-ICB2 MeHg	1.288	85.2	96.0	233.14	233.15	90.8	0.023	OK	233.1111	0.00	0.02	
SEQ-ICB2 EHg	31.579	163.2	209.6	233.13	233.12	176.1	0.166	OK	233.1111	0.00	0.02	



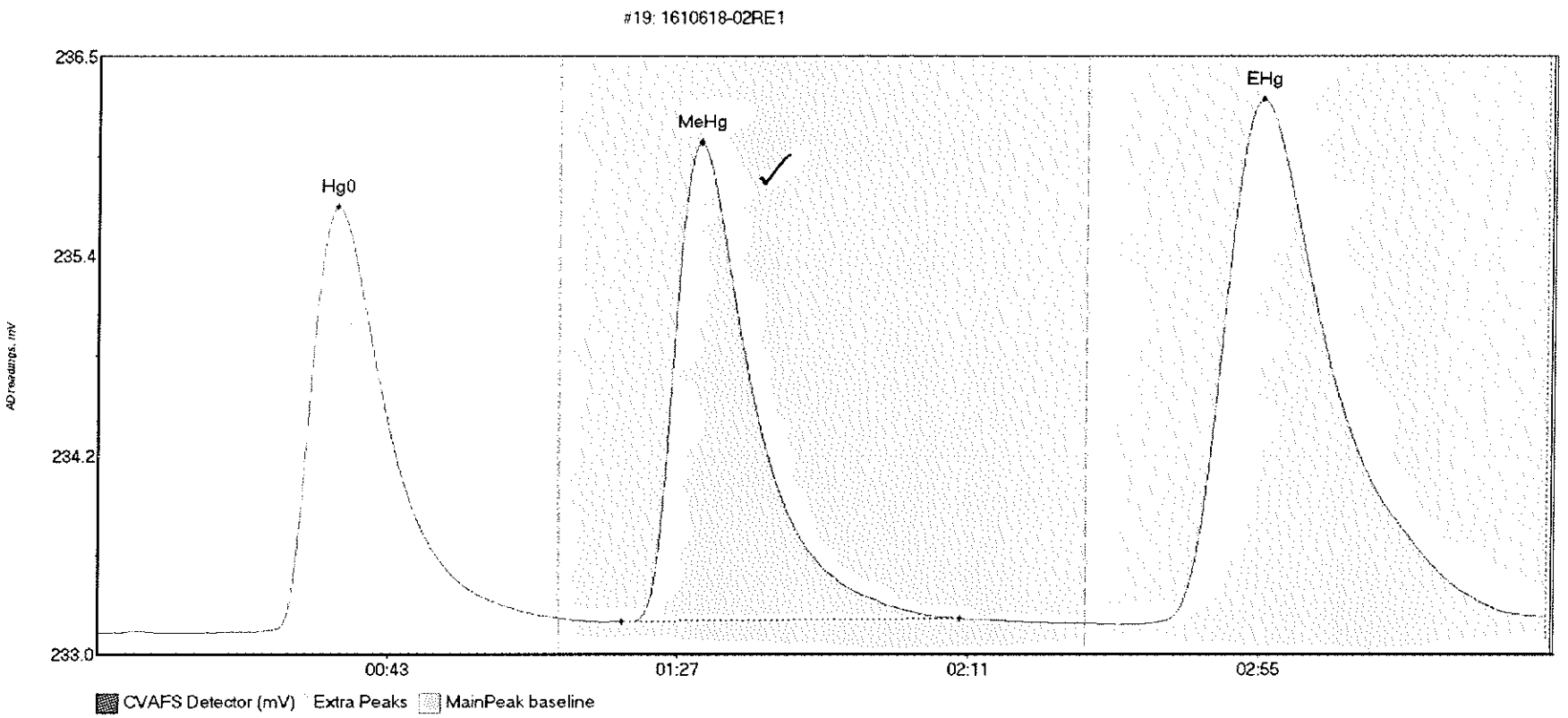
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611352-BLK7 Hg	135.048	22.9	69.9	233.10	233.15	35.1	1.081	CT	233.1002	0.00	0.03	
F611352-BLK7 Me	1.971	83.9	97.4	233.14	233.15	90.4	0.034	OK	233.1002	0.00	0.03	
F611352-BLK7 EH	81.653	155.3	217.7	233.12	233.13	175.5	0.414	OK	233.1002	0.00	0.03	



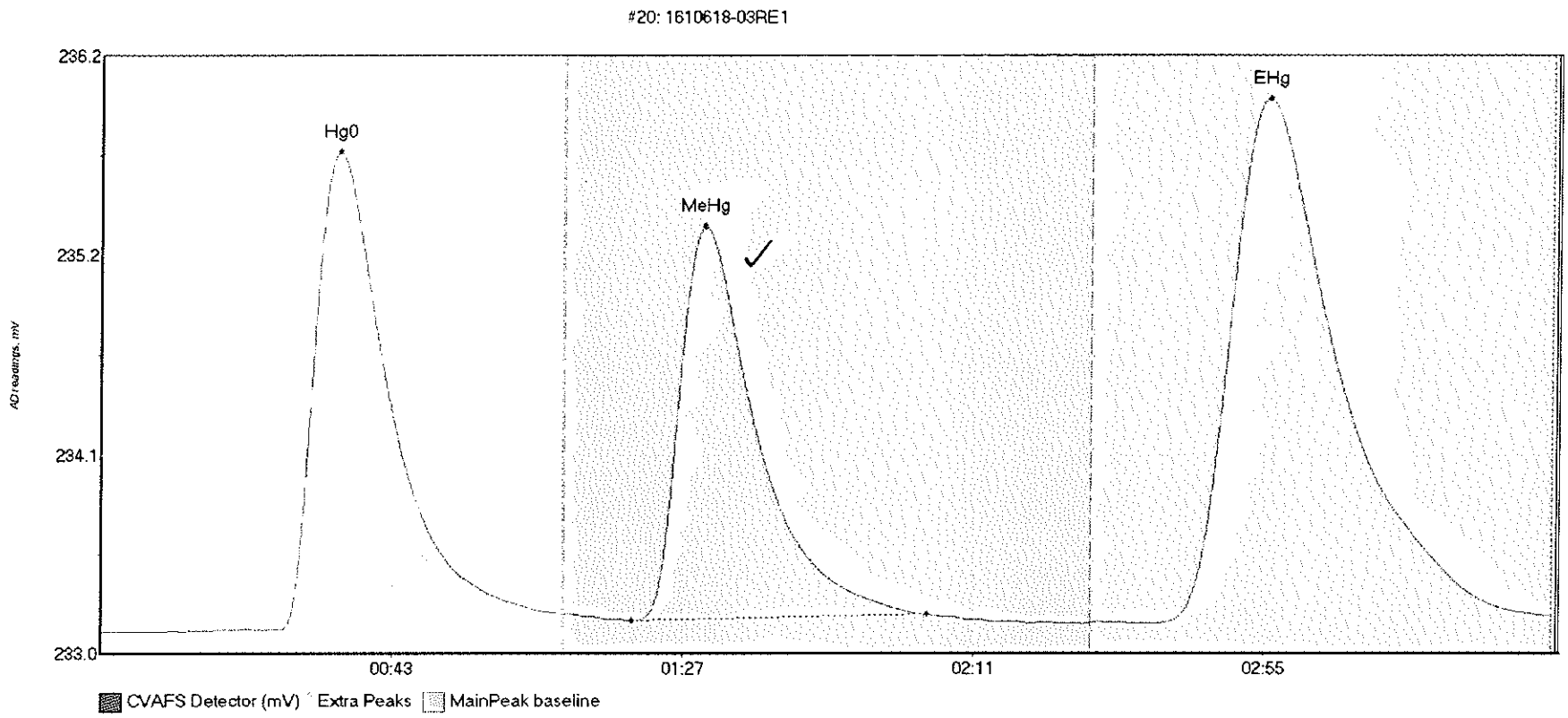
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611352-BLK8 Hg	121.828	5.2	69.9	233.11	233.17	35.1	0.989	CT	233.1089	0.00	0.05	
F611352-BLK8 Me	1.544	85.5	96.6	233.16	233.17	90.5	0.028	OK	233.1089	0.00	0.05	
F611352-BLK8 EH	32.553	164.2	216.3	233.16	233.16	176.0	0.171	OK	233.1089	0.00	0.05	



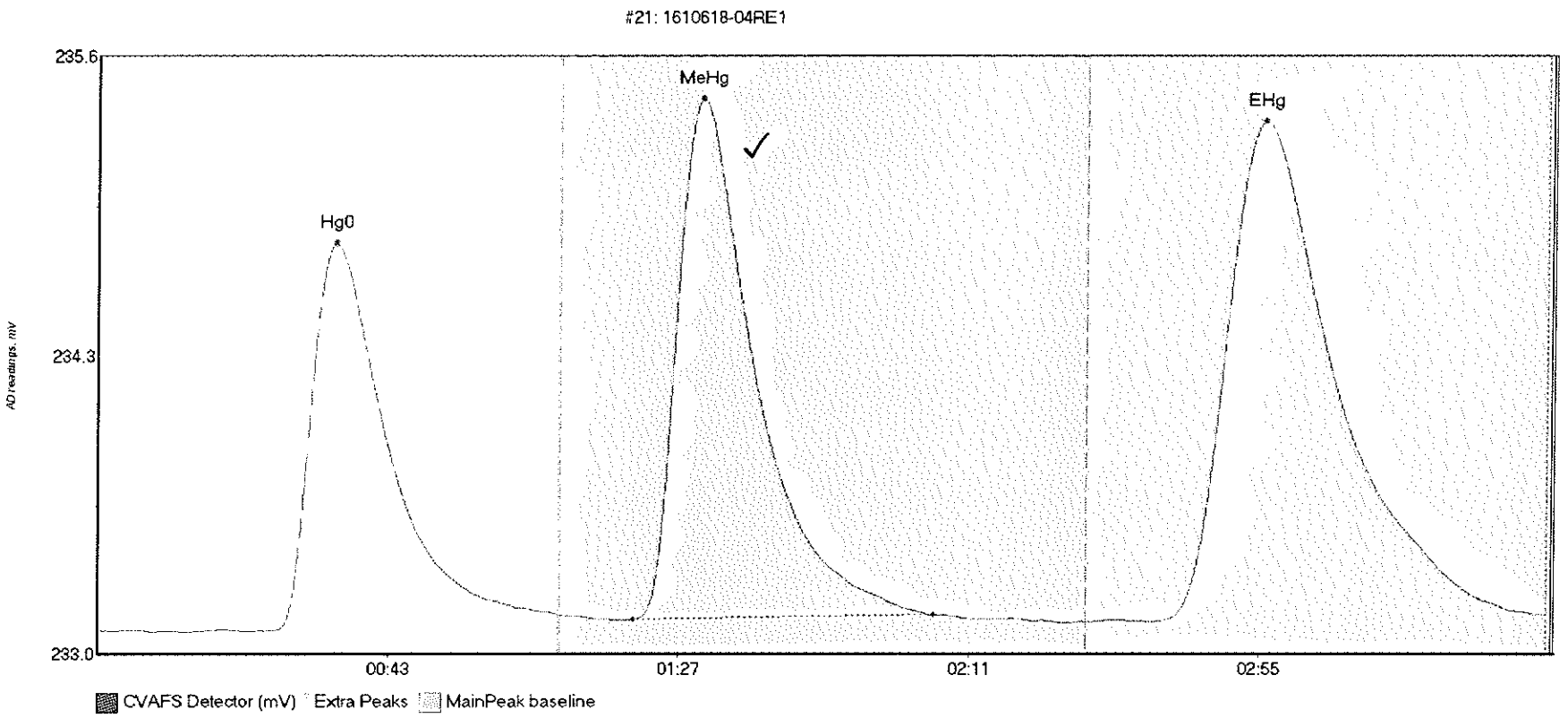
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611352-BLK9 Hg	121.745	25.8	69.0	233.13	233.18	35.5	0.983	OK	233.1327	0.00	0.03	
F611352-BLK9 EH	34.283	162.5	211.3	233.16	233.17	175.6	0.189	OK	233.1327	0.00	0.03	



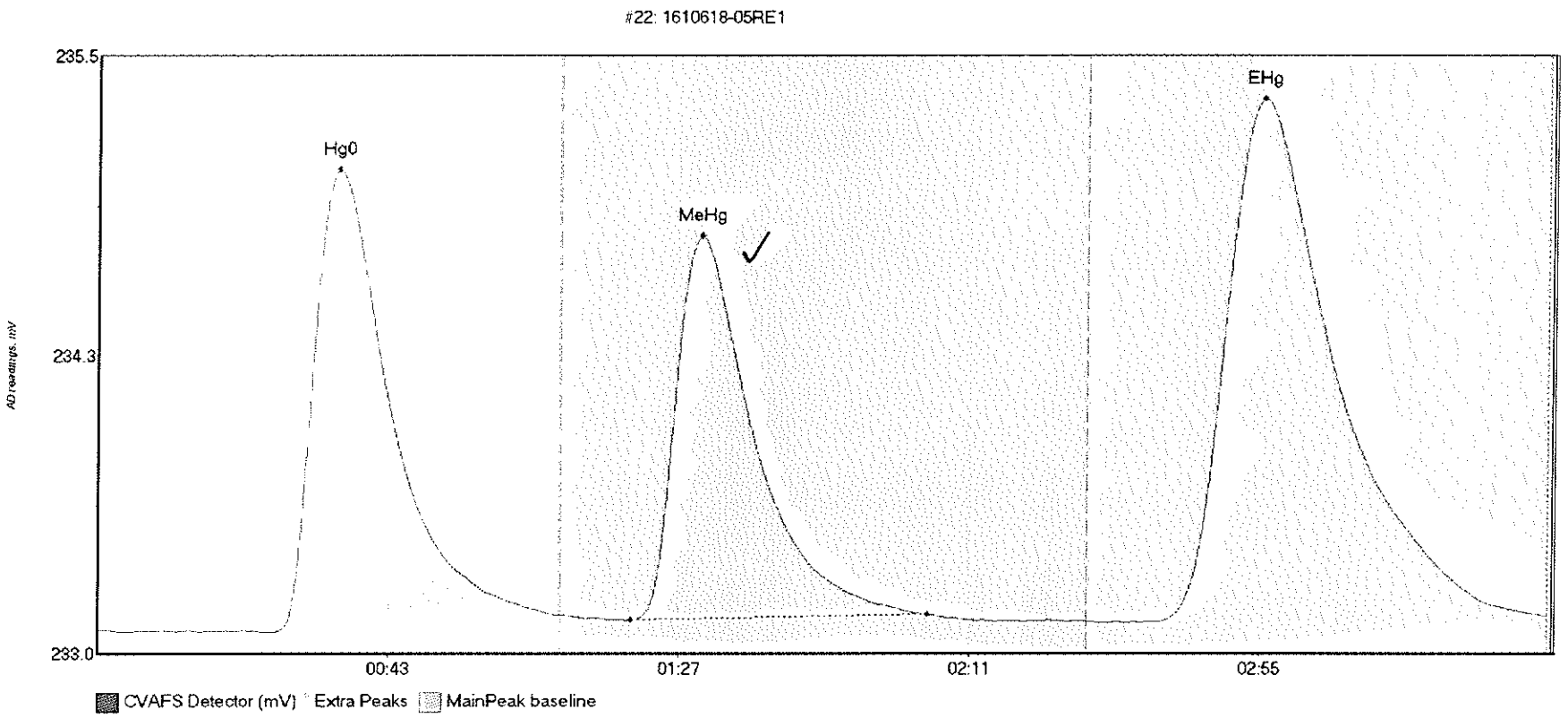
Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-02RE1	H	335.291	23.5	69.9	233.13	233.22	36.4	2.522	CT	233.1301	0.00	0.10	
1610618-02RE1	M	390.965	79.6	130.7	233.20	233.21	91.4	2.839	OK	233.1301	0.00	0.10	
1610618-02RE1	E	587.456	158.3	219.1	233.18	233.23	176.4	3.112	OK	233.1301	0.00	0.10	



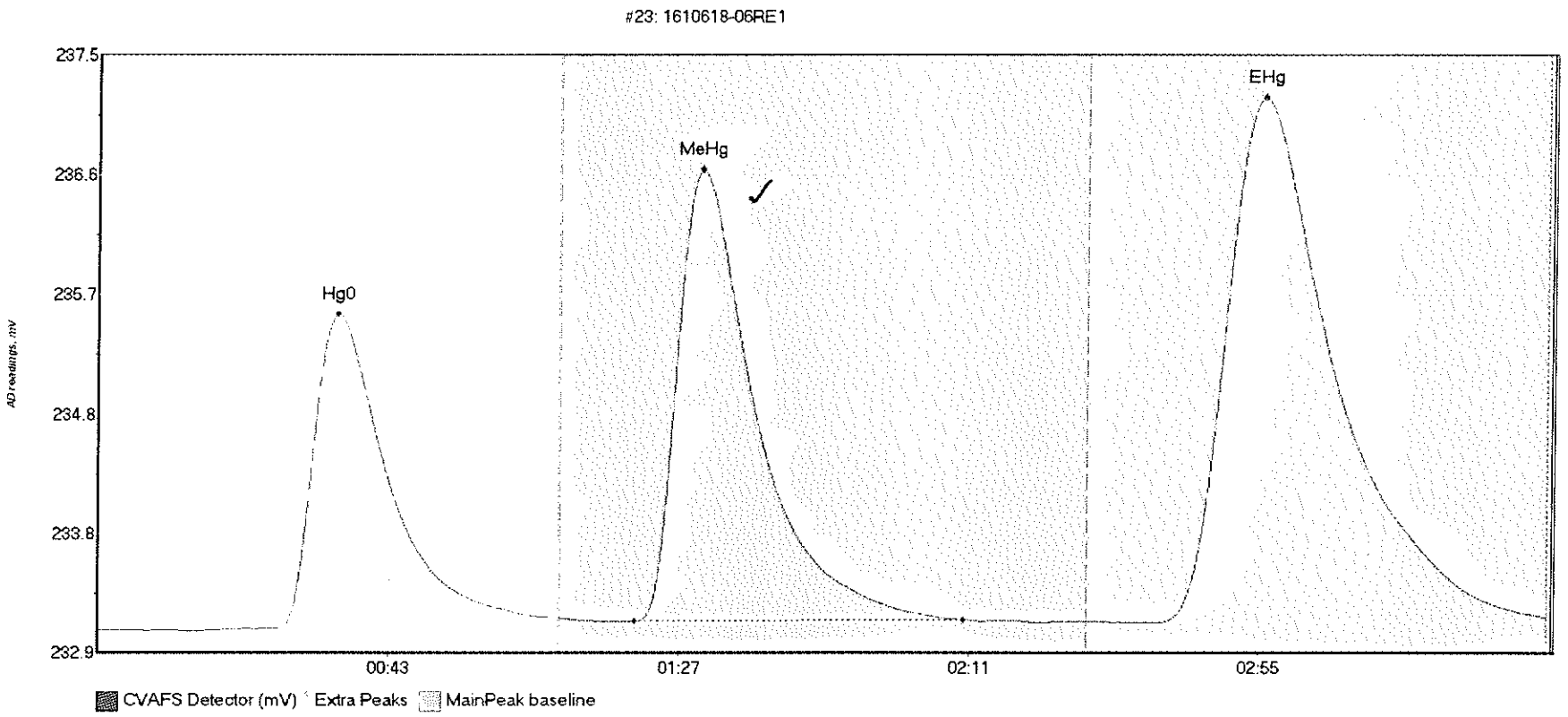
Name		Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-03RE1	H	329.398	15.9	69.7	233.13	233.23	36.1	2.578	OK	233.1299	0.00	0.08	
1610618-03RE1	M	285.643	80.3	125.0	233.19	233.22	91.3	2.119	OK	233.1299	0.00	0.08	
1610618-03RE1	E	532.558	160.1	219.8	233.18	233.21	176.7	2.820	CT	233.1299	0.00	0.08	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-04RE1 H	220.802	27.0	69.9	233.13	233.19	36.1	1.693	CT	233.1232	0.00	0.07	
1610618-04RE1 M	310.730	81.2	126.6	233.17	233.19	91.6	2.278	OK	233.1232	0.00	0.07	
1610618-04RE1 E	413.455	160.2	218.7	233.16	233.19	176.8	2.191	OK	233.1232	0.00	0.07	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-05RE1 H	253.841	26.6	69.9	233.12	233.19	36.6	1.907	CT	233.1244	0.00	0.06	
1610618-05RE1 M	217.152	80.7	125.8	233.17	233.19	91.4	1.587	OK	233.1244	0.00	0.06	
1610618-05RE1 E	410.648	160.3	219.8	233.16	233.18	176.5	2.159	CT	233.1244	0.00	0.06	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-06RE1 H	309.063	18.0	69.9	233.11	233.20	36.3	2.423	CT	233.1089	0.00	0.10	
1610618-06RE1 M	476.517	81.3	131.2	233.17	233.19	91.5	3.456	OK	233.1089	0.00	0.10	
1610618-06RE1 E	758.316	161.0	219.8	233.17	233.21	176.7	4.015	CT	233.1089	0.00	0.10	

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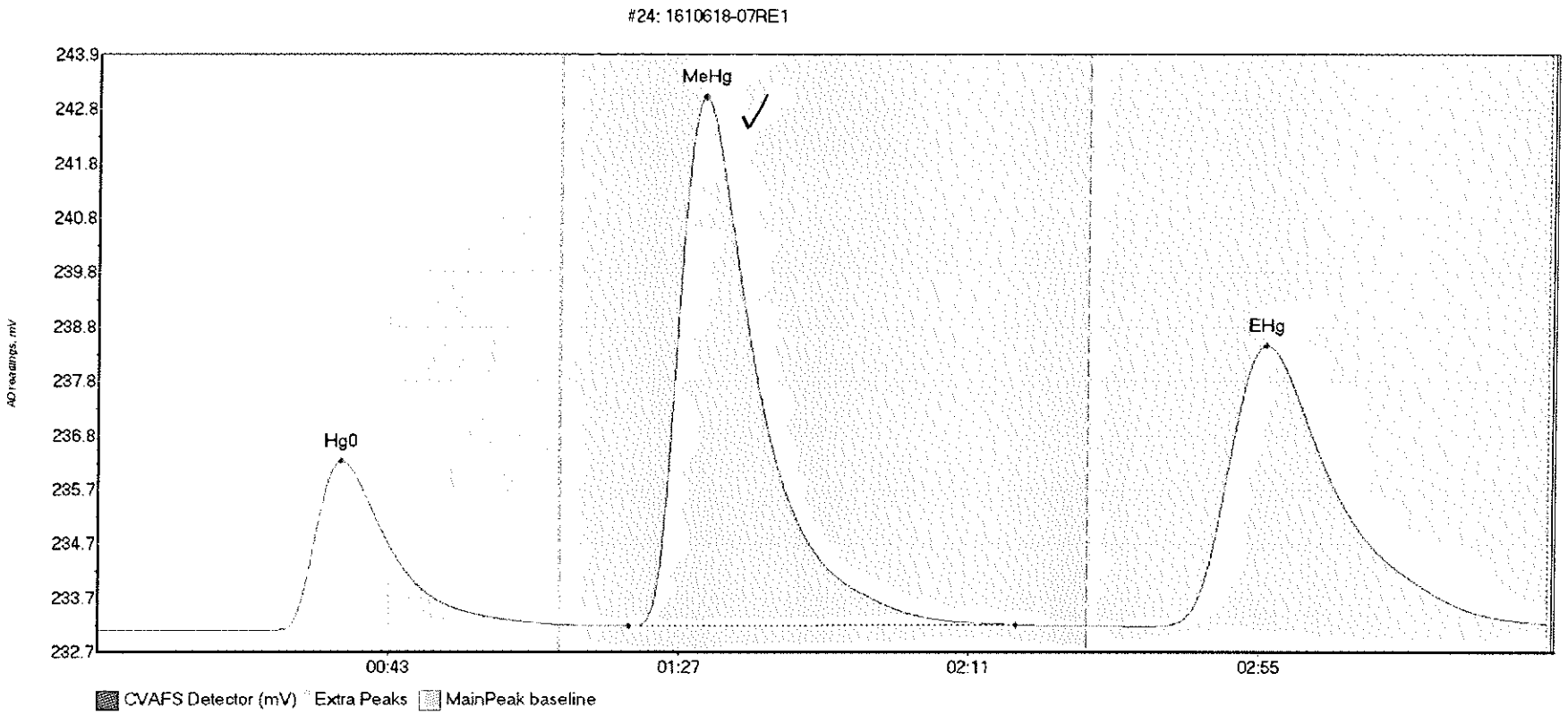

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-07RE1 H	409.561	17.3	69.9	233.10	233.22	36.9	3.163	CT	233.1017	0.00	0.14	
1610618-07RE1 M	1374.825	80.4	139.1	233.19	233.21	91.7	9.870	OK	233.1017	0.00	0.14	
1610618-07RE1 E	988.118	158.8	219.8	233.18	233.24	177.1	5.251	CT	233.1017	0.00	0.14	

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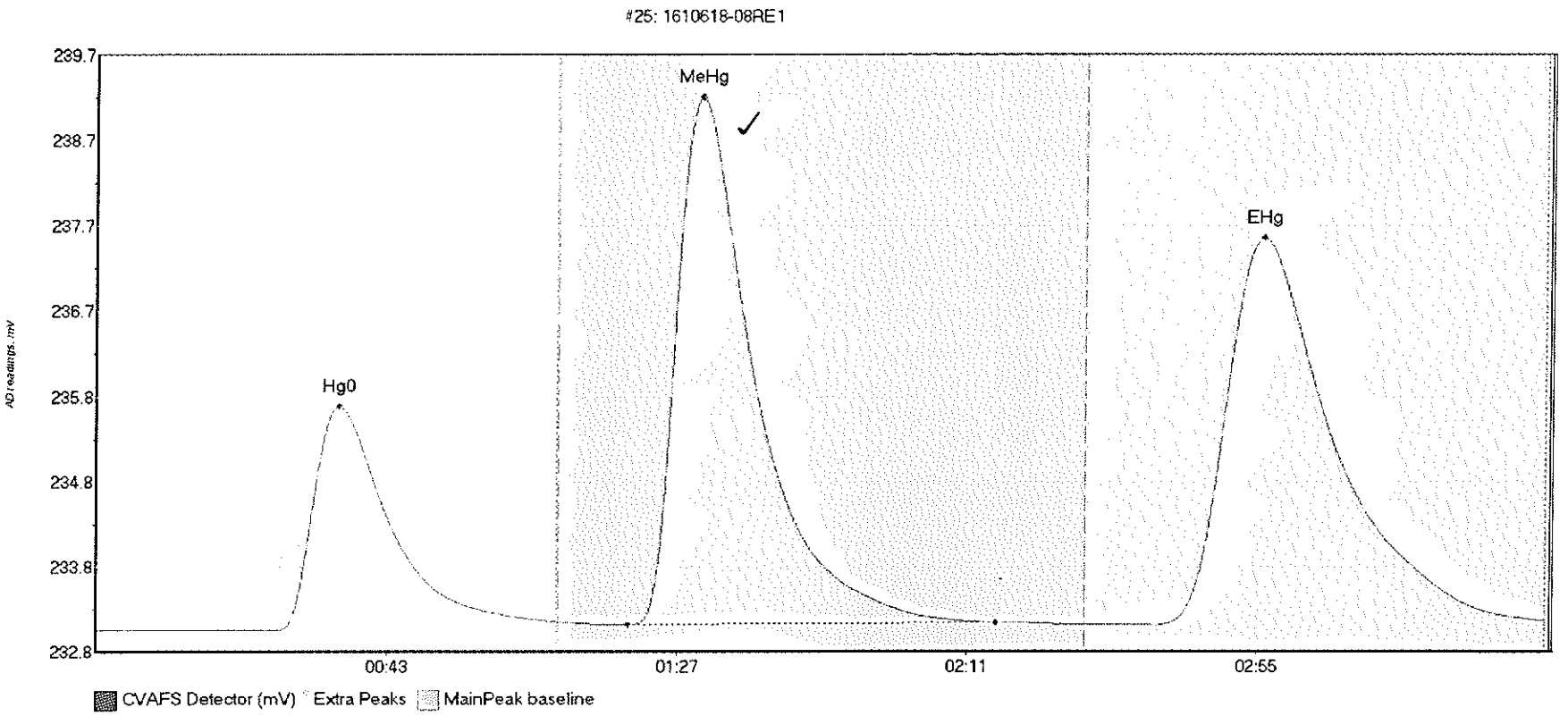
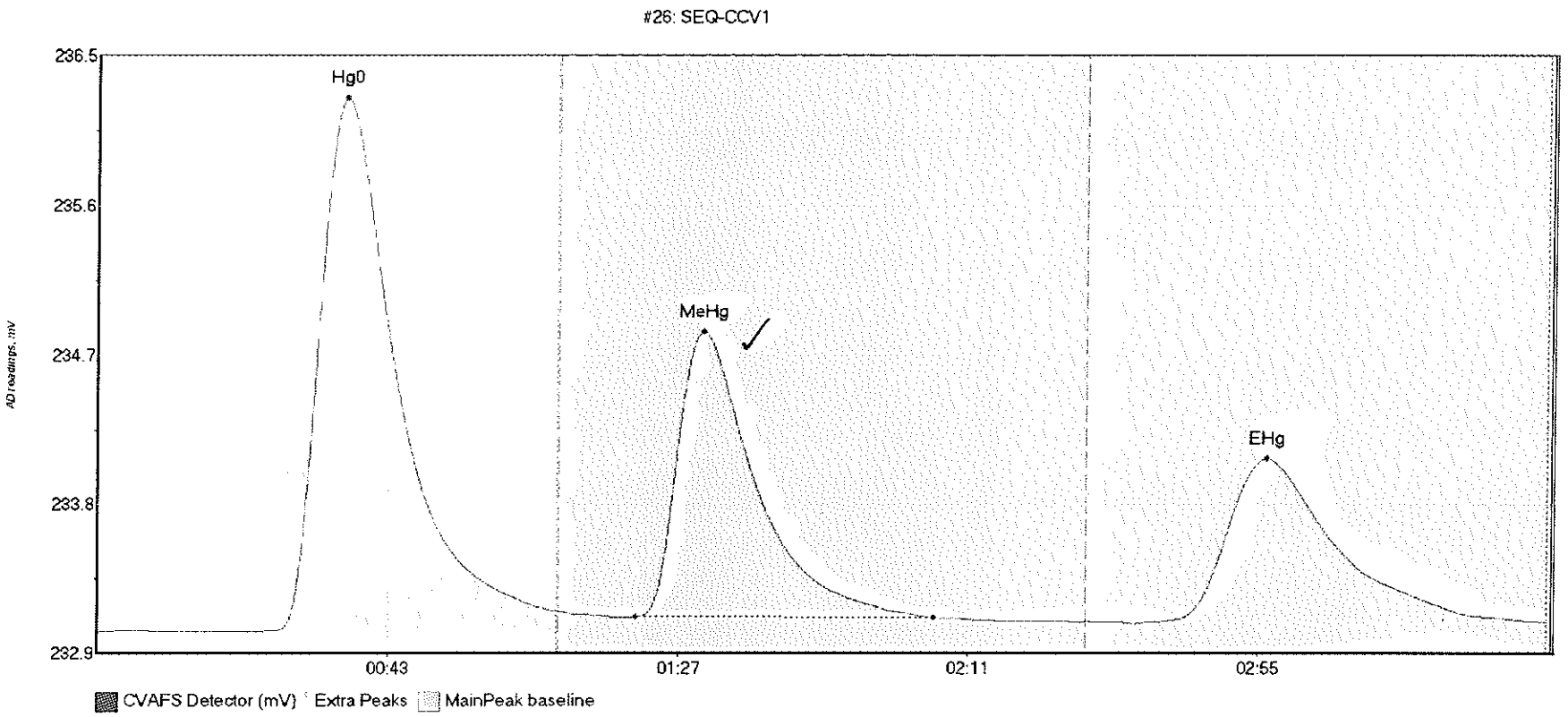
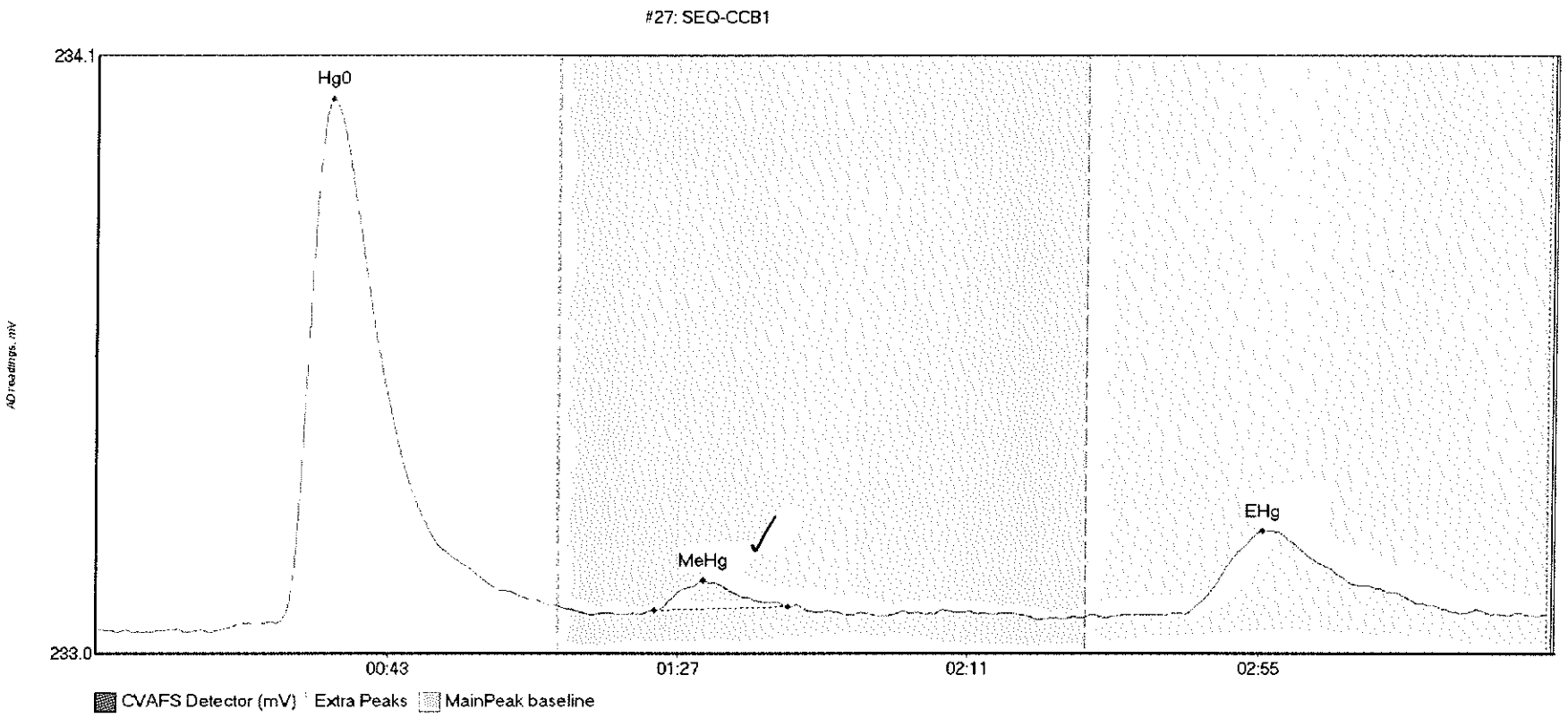


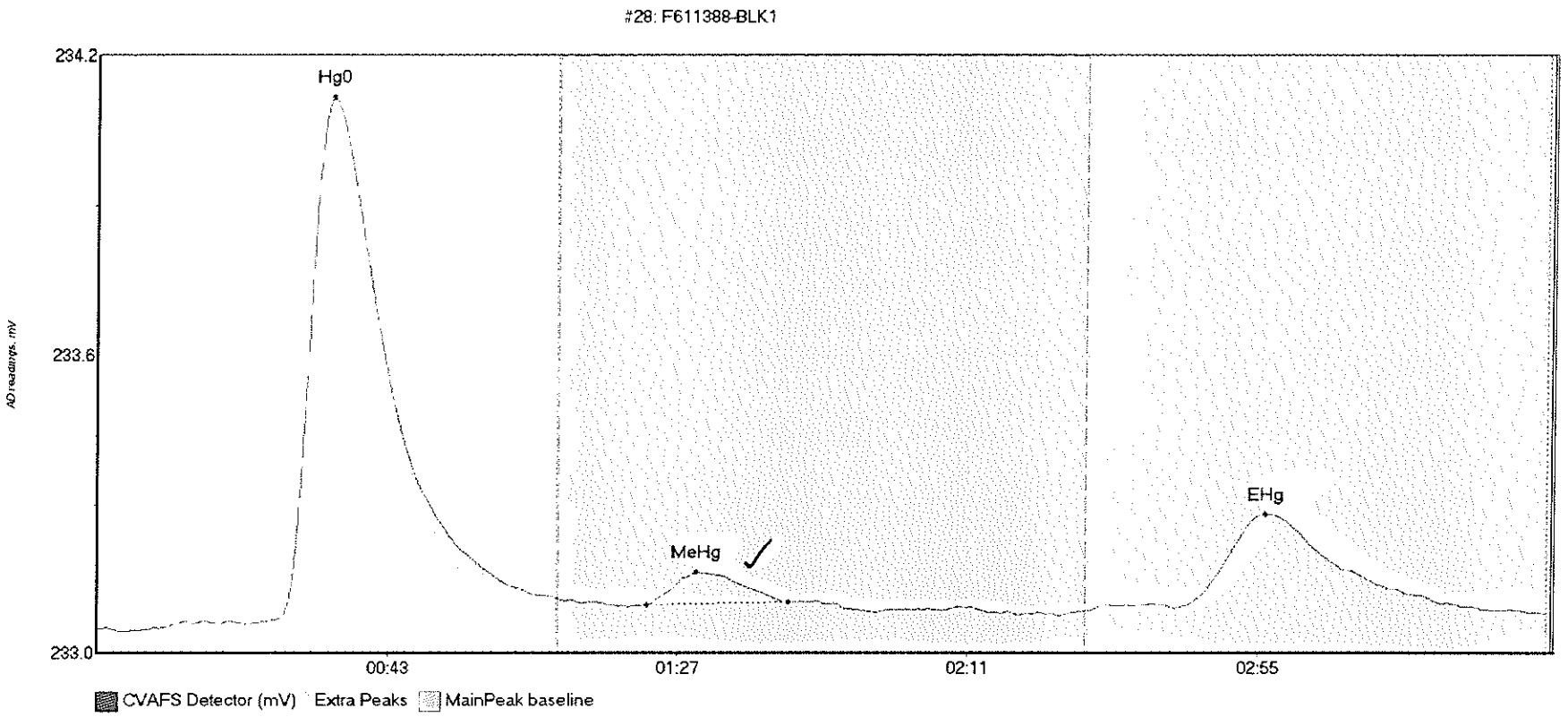
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610618-08RE1 H	335.895	27.6	69.9	233.09	233.18	36.7	2.562	CT	233.0948	0.00	0.11	
1610618-08RE1 M	832.810	80.6	136.4	233.16	233.18	91.7	6.021	OK	233.0948	0.00	0.11	
1610618-08RE1 E	828.396	160.6	219.8	233.15	233.20	177.0	4.425	CT	233.0948	0.00	0.11	



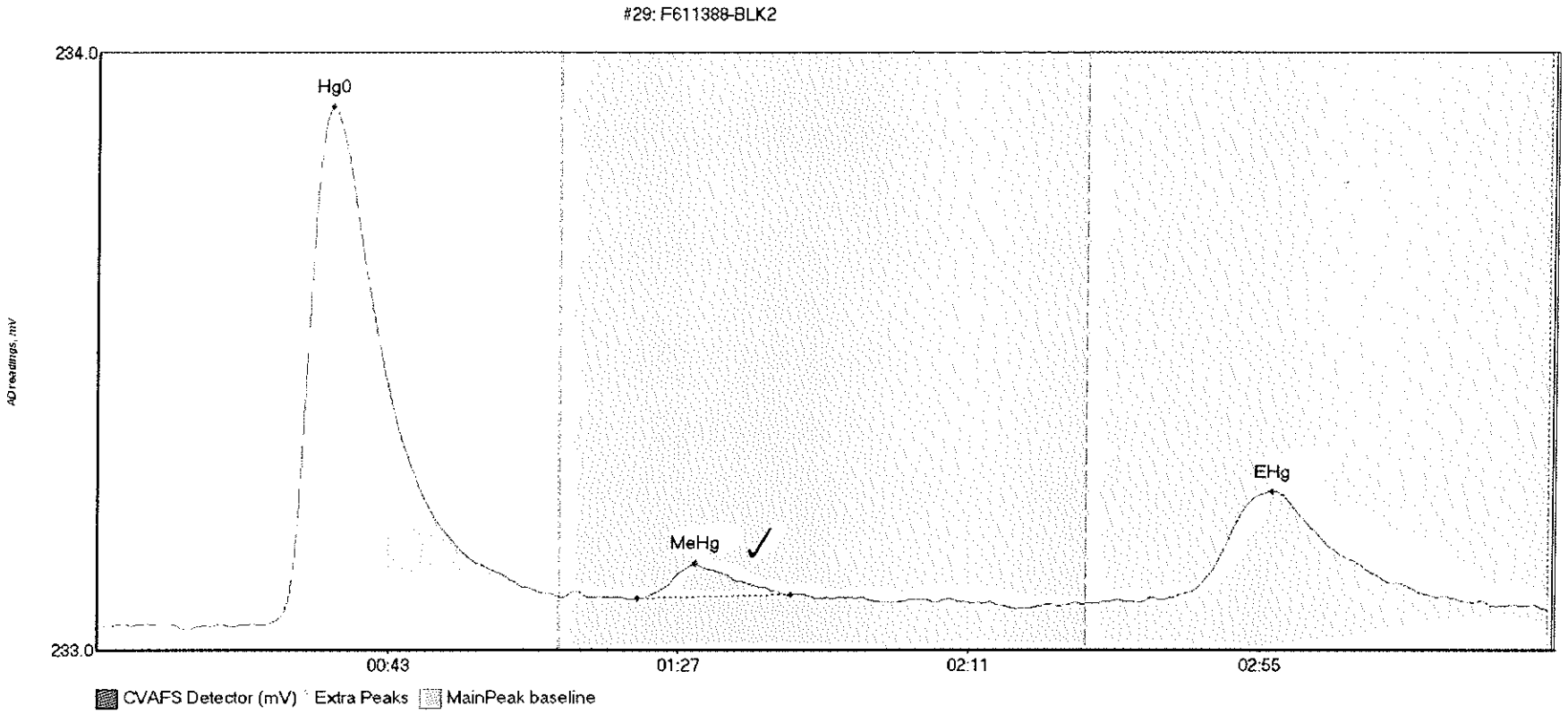
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV1 Hg0	418.086	26.6	69.9	233.07	233.19	37.6	3.154	CT	233.0723	0.00	0.06	
SEQ-CCV1 MeHg	231.197	81.6	126.9	233.16	233.15	91.7	1.690	OK	233.0723	0.00	0.06	
SEQ-CCV1 EHg	181.045	160.3	217.0	233.13	233.13	177.3	0.970	OK	233.0723	0.00	0.06	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB1 Hg0	121.705	18.5	68.6	233.06	233.10	35.5	0.958	OK	233.0571	0.00	0.03	
SEQ-CCB1 MeHg	5.097	84.5	104.8	233.09	233.10	91.9	0.054	OK	233.0571	0.00	0.03	
SEQ-CCB1 EHg	28.303	164.8	206.9	233.09	233.09	176.6	0.150	OK	233.0571	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-BLK1 Hg	137.177	10.1	69.9	233.03	233.09	35.6	1.047	CT	233.0313	0.00	0.03	
F611388-BLK1 Me	7.149	83.5	104.7	233.08	233.08	90.9	0.064	OK	233.0313	0.00	0.03	
F611388-BLK1 EH	34.809	163.5	210.1	233.07	233.07	177.2	0.186	OK	233.0313	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-BLK2 Hg	115.303	25.1	69.9	233.02	233.07	35.5	0.867	CT	233.0177	0.00	0.03	
F611388-BLK2 Me	5.898	81.9	105.0	233.06	233.07	90.6	0.058	OK	233.0177	0.00	0.03	
F611388-BLK2 EH	34.220	158.0	207.4	233.06	233.06	177.9	0.185	OK	233.0177	0.00	0.03	

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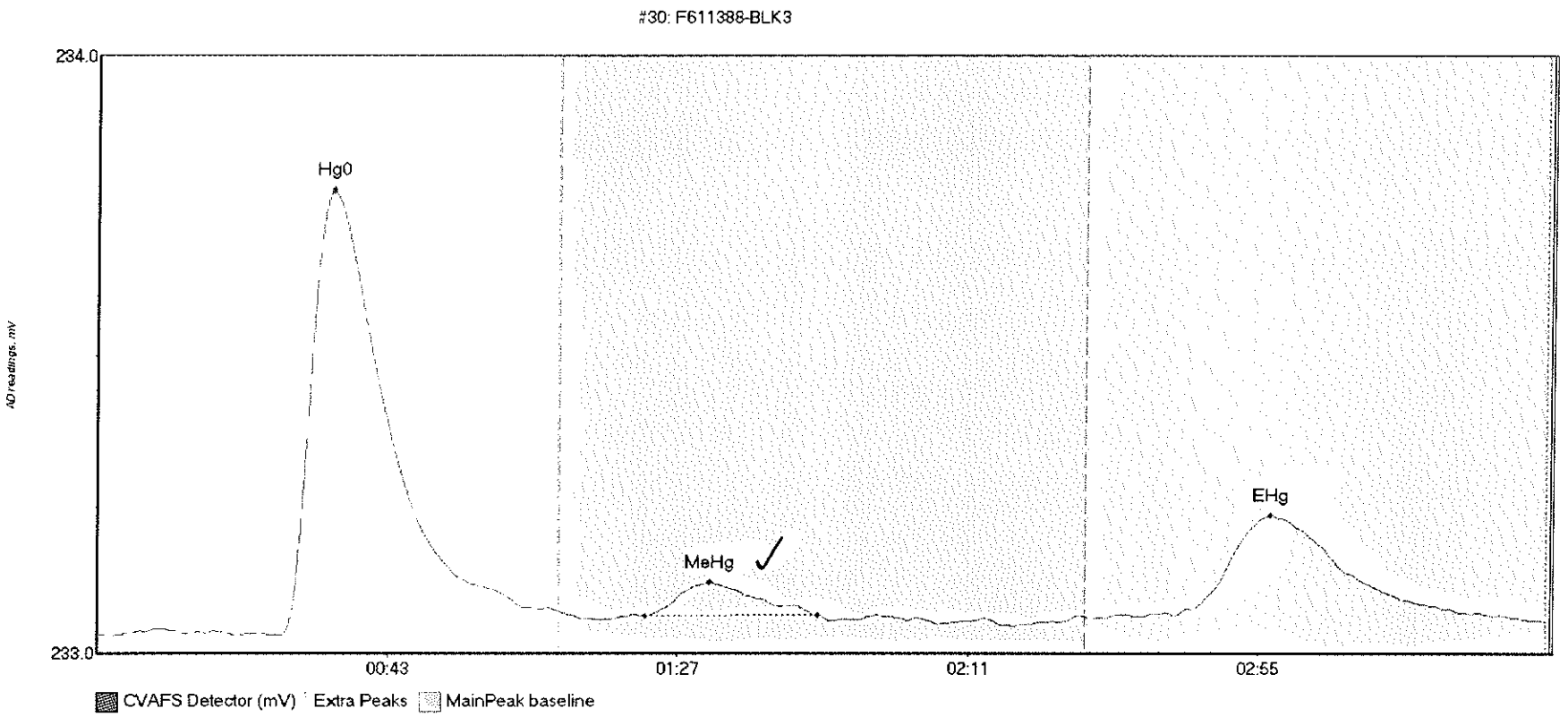
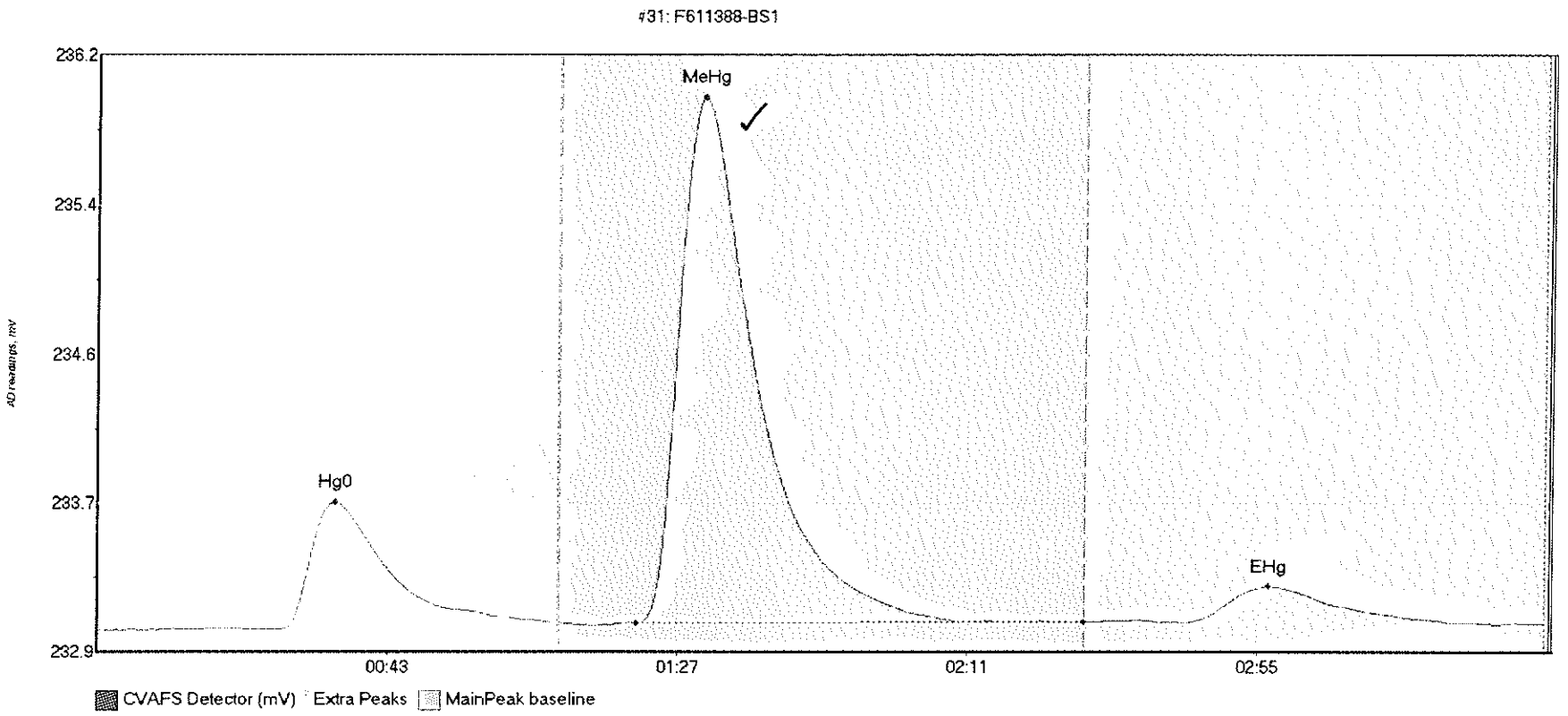


Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-BLK3 Hg	96.242	27.9	69.9	233.01	233.05	35.7	0.743	CT	233.0140	0.00	0.02	
F611388-BLK3 Me	7.378	83.2	109.1	233.05	233.05	92.9	0.056	OK	233.0140	0.00	0.02	
F611388-BLK3 EH	31.865	163.6	211.5	233.05	233.05	177.9	0.168	OK	233.0140	0.00	0.02	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-BS1 Hg0	92.739	9.3	69.9	233.01	233.05	36.1	0.717	CT	233.0030	0.00	0.04	
F611388-BS1 MeH	405.299	81.7	149.7	233.04	233.05	92.0	2.949	OK	233.0030	0.00	0.04	
F611388-BS1 EHg	36.084	165.3	205.3	233.05	233.05	177.8	0.205	OK	233.0030	0.00	0.04	

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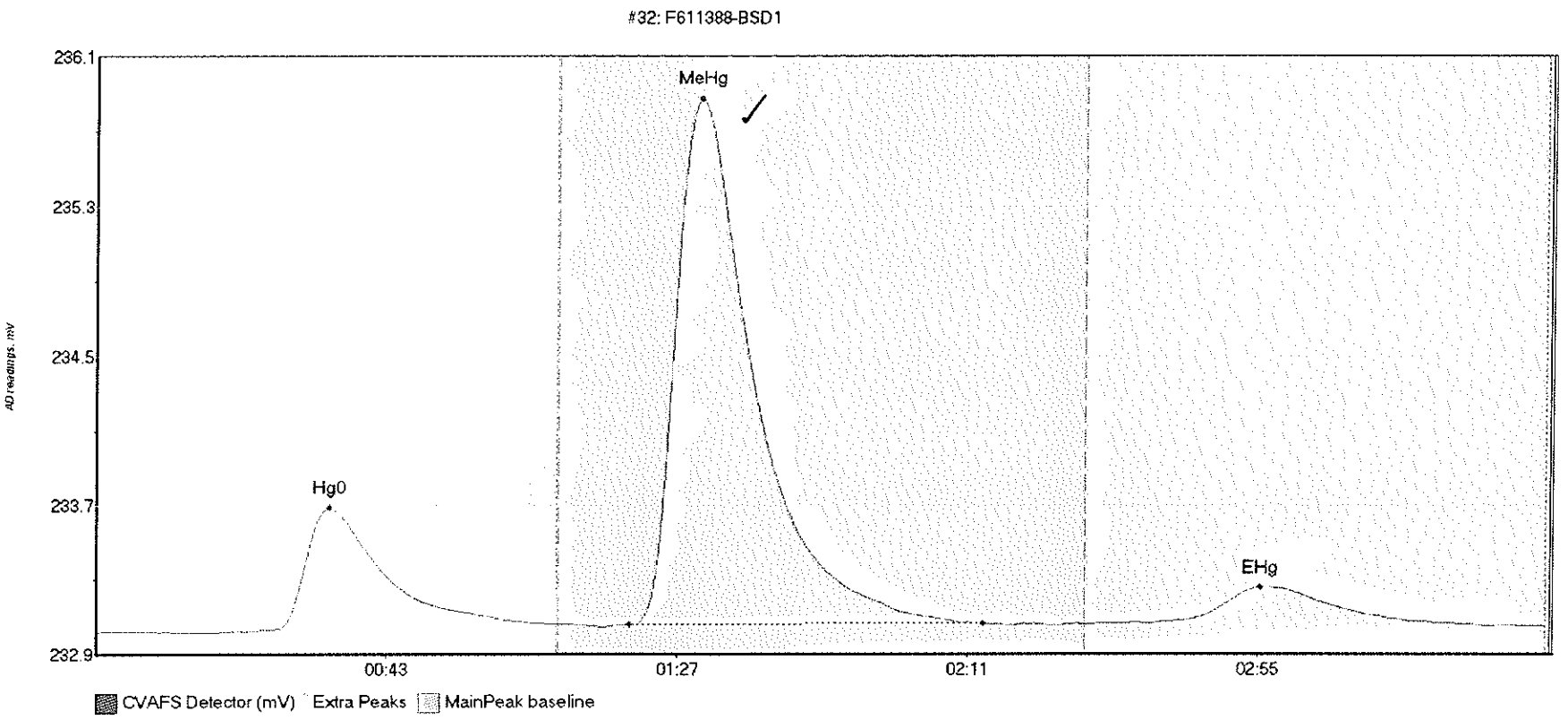
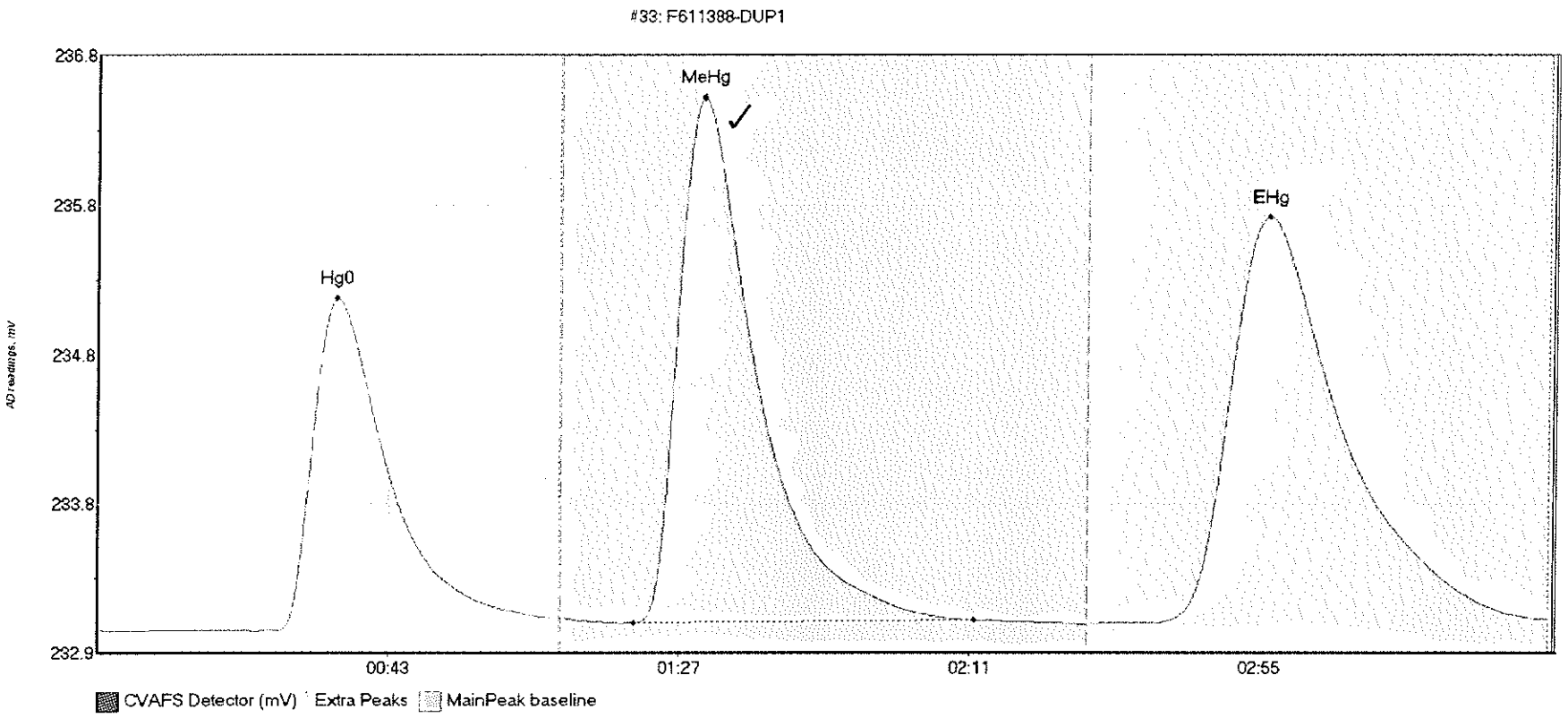
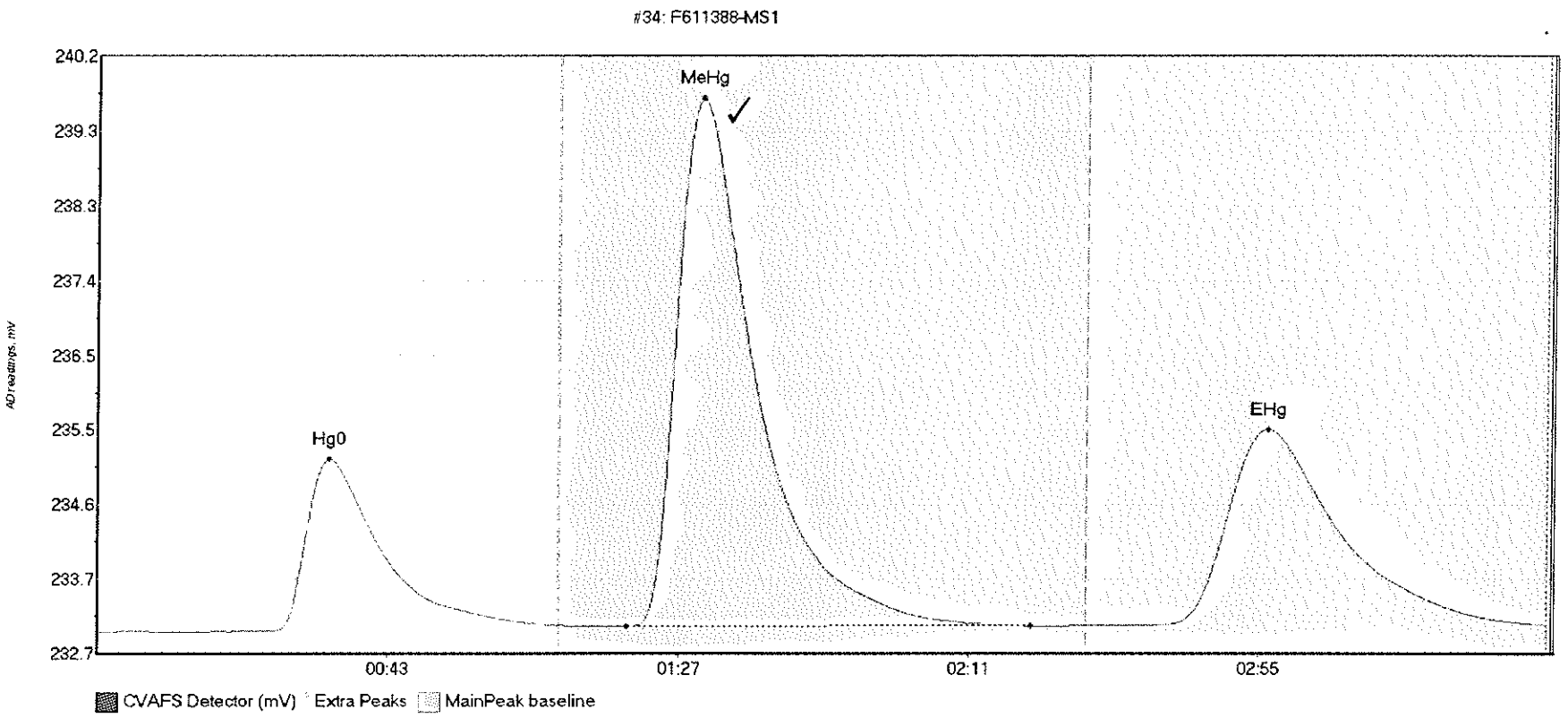


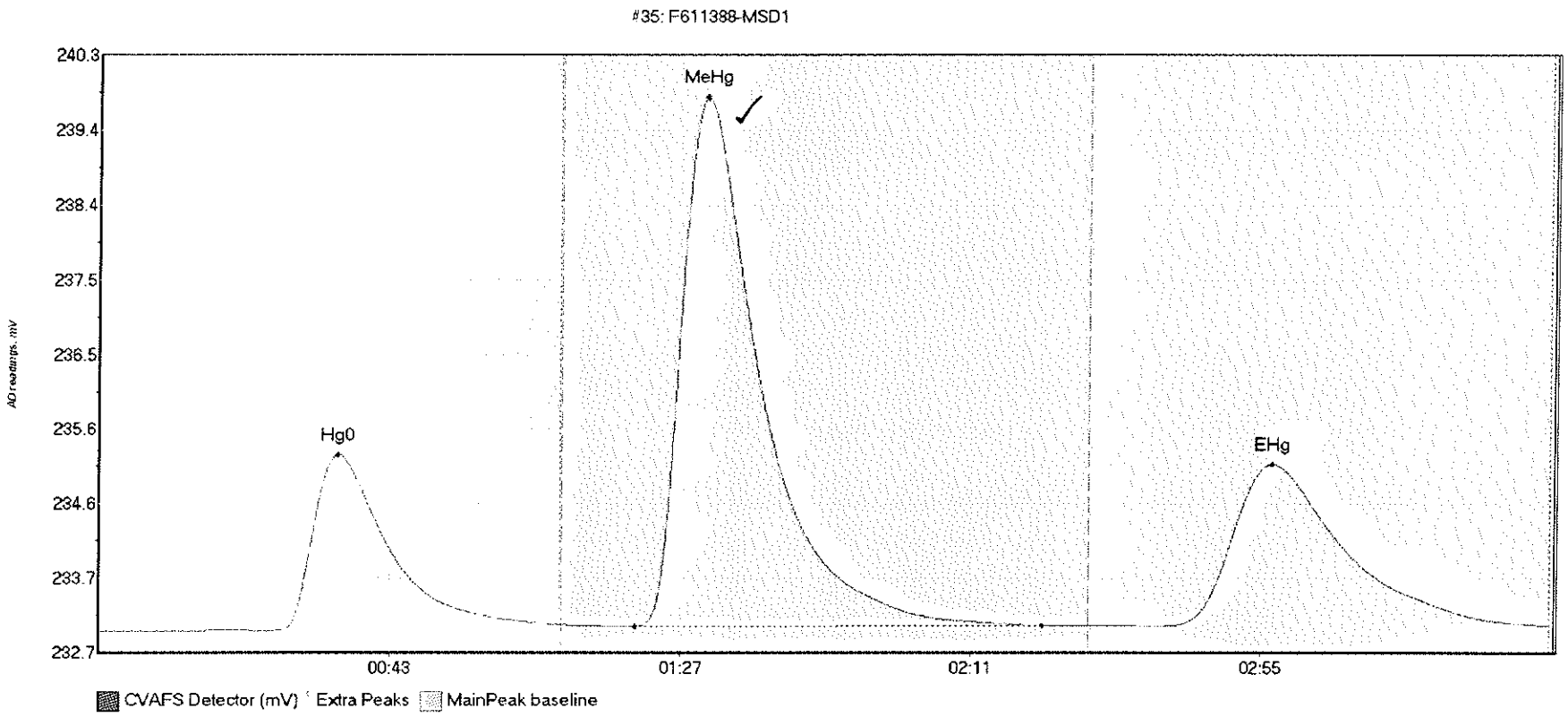
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-BSD1 Hg	88.722	23.1	69.9	233.00	233.04	35.4	0.665	CT	232.9973	0.00	0.03	
F611388-BSD1 Me	393.093	80.7	134.4	233.04	233.04	91.6	2.834	OK	232.9973	0.00	0.03	
F611388-BSD1 EH	35.278	160.1	203.5	233.05	233.04	176.4	0.194	OK	232.9973	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-DUP1 Hg	283.027	26.8	69.9	233.00	233.08	36.2	2.197	CT	233.0018	0.00	0.08	
F611388-DUP1 Me	477.775	81.1	132.7	233.05	233.07	91.7	3.473	OK	233.0018	0.00	0.08	
F611388-DUP1 EH	521.174	150.6	219.8	233.05	233.08	177.4	2.694	CT	233.0018	0.00	0.08	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-MS1 Hg0	278.702	20.0	69.9	232.99	233.07	35.2	2.161	CT	232.9911	0.00	0.09	
F611388-MS1 MeH	927.486	80.2	141.4	233.06	233.06	91.6	6.610	OK	232.9911	0.00	0.09	
F611388-MS1 EHg	473.244	155.8	219.7	233.07	233.08	177.5	2.460	OK	232.9911	0.00	0.09	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-MSD1 Hg	290.600	25.1	69.9	232.99	233.07	36.2	2.242	CT	232.9925	0.00	0.07	
F611388-MSD1 Me	937.405	81.1	142.9	233.05	233.06	91.9	6.714	OK	232.9925	0.00	0.07	
F611388-MSD1 EH	397.700	160.5	219.8	233.05	233.06	177.8	2.063	CT	232.9925	0.00	0.07	

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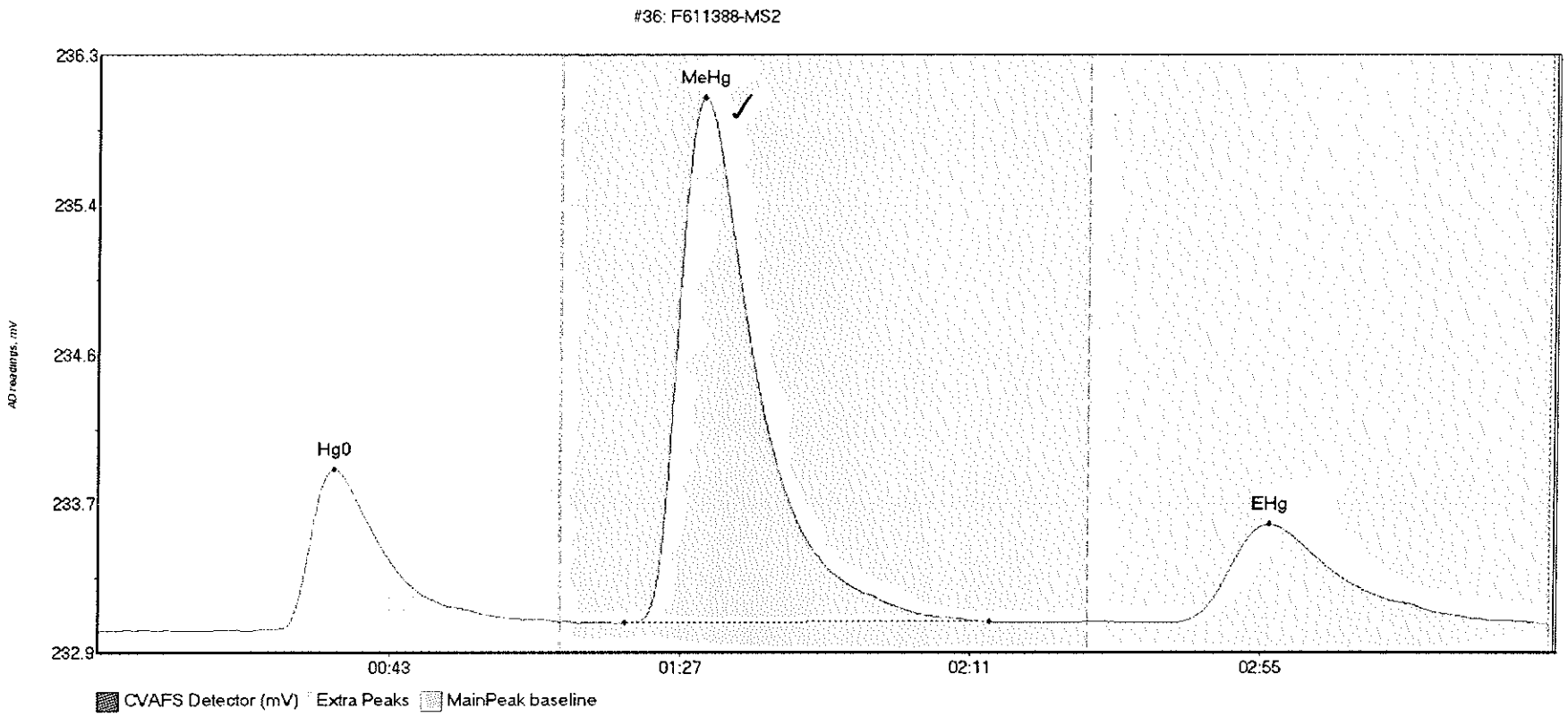
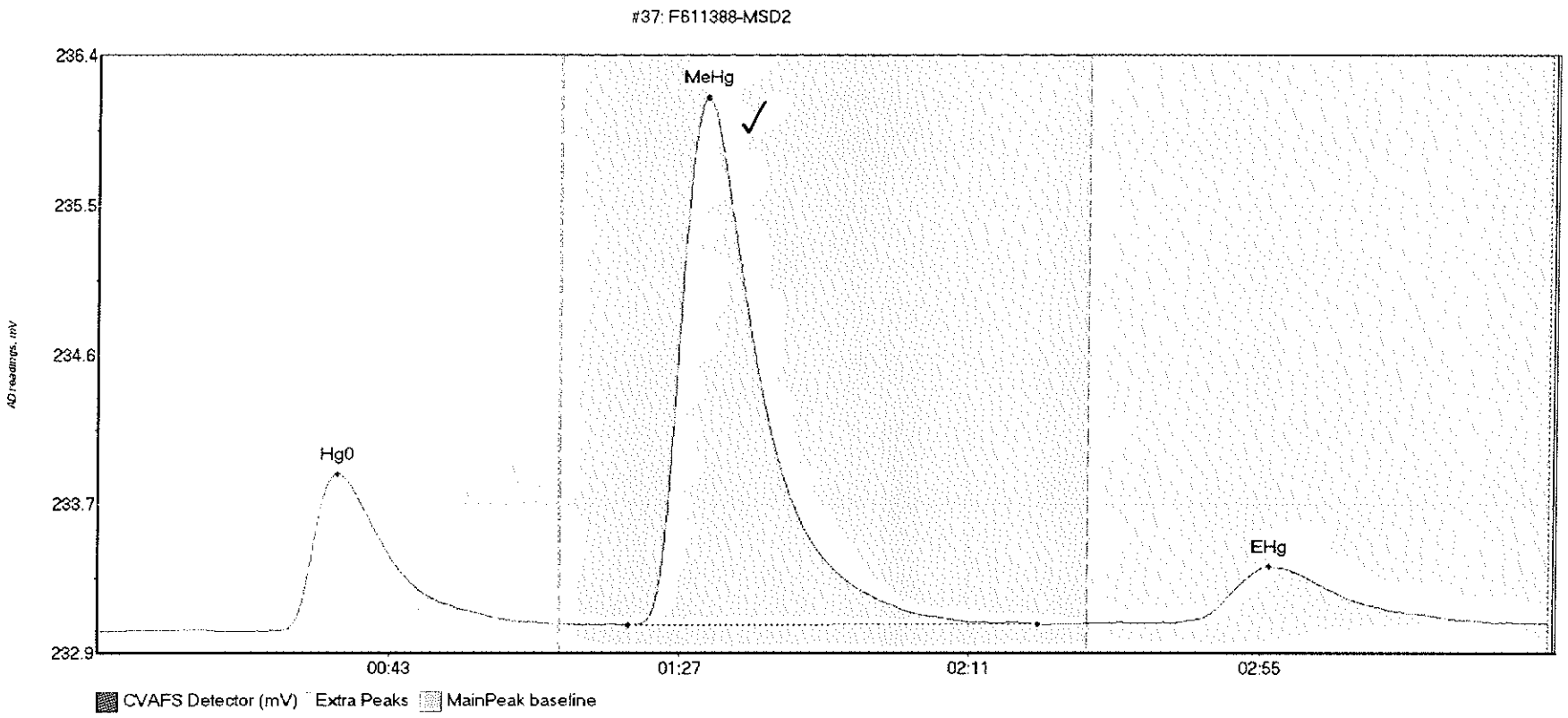
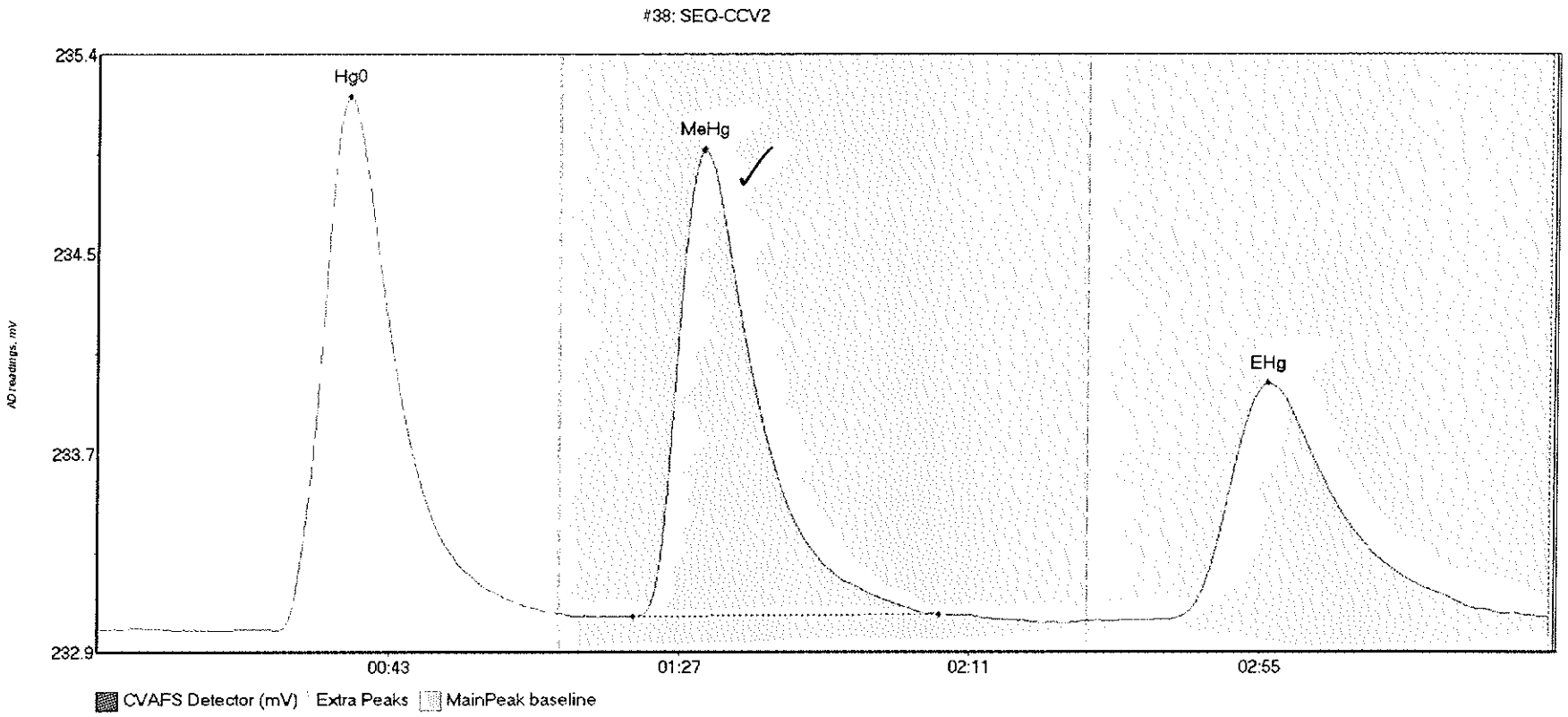


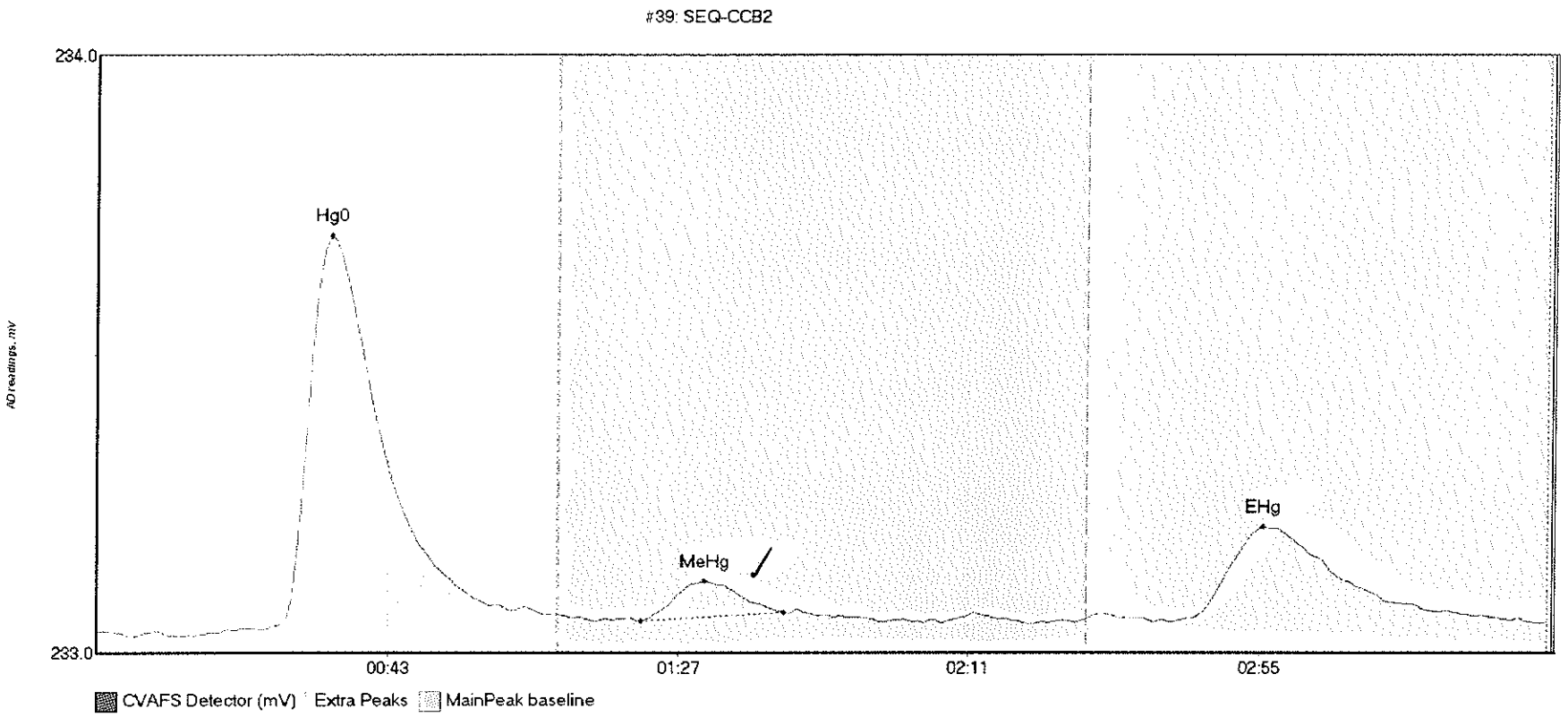
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-MS2 Hg0	120.349	22.5	69.9	232.98	233.03	35.6	0.939	CT	232.9807	0.00	0.05	
F611388-MS2 MeH	420.826	79.7	135.0	233.03	233.03	91.5	3.038	OK	232.9807	0.00	0.05	
F611388-MS2 EHg	106.179	163.1	212.0	233.03	233.04	177.4	0.568	OK	232.9807	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
F611388-MSD2 Hg	120.940	25.3	69.9	232.98	233.03	36.2	0.926	CT	232.9829	0.00	0.05	
F611388-MSD2 Me	433.984	80.3	142.5	233.02	233.03	92.0	3.095	OK	232.9829	0.00	0.05	
F611388-MSD2 EH	61.988	162.9	211.6	233.04	233.04	177.5	0.331	OK	232.9829	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCV2 Hg0	283.156	27.1	69.9	232.99	233.06	37.9	2.194	CT	232.9933	0.00	0.05	
SEQ-CCV2 MeHg	263.143	81.0	127.5	233.05	233.05	91.6	1.917	OK	232.9933	0.00	0.05	
SEQ-CCV2 EHg	185.396	158.6	219.8	233.03	233.05	177.2	0.978	CT	232.9933	0.00	0.05	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
SEQ-CCB2 Hg0	82.426	24.9	68.0	232.99	233.01	35.5	0.658	OK	232.9868	0.00	0.02	
SEQ-CCB2 MeHg	6.763	82.4	104.0	233.00	233.02	92.0	0.067	OK	232.9868	0.00	0.02	
SEQ-CCB2 EHg	26.206	165.7	207.2	233.01	233.02	176.6	0.153	OK	232.9868	0.00	0.02	

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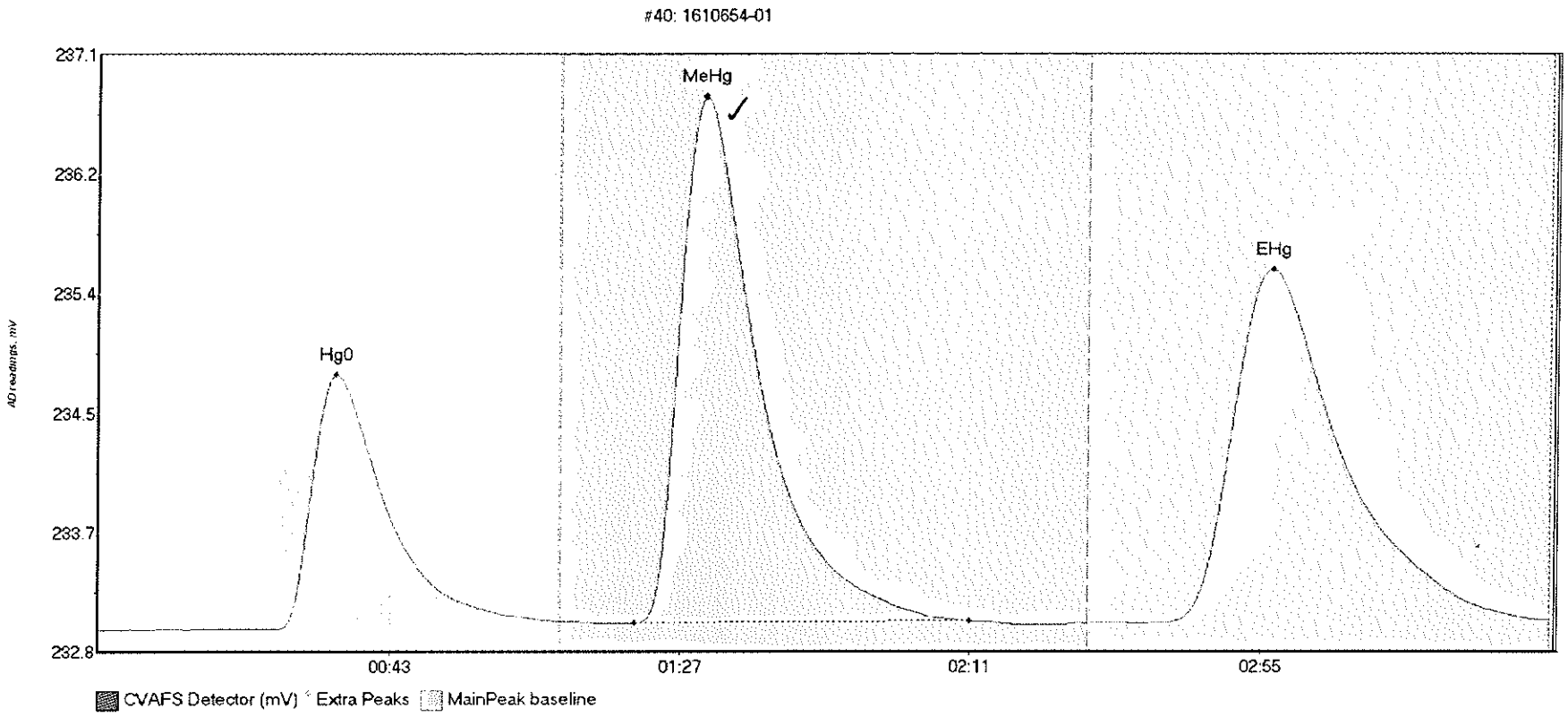

Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-01 Hg0	230.897	25.4	69.9	232.98	233.04	35.9	1.814	CT	232.9820	0.00	0.07	
1610654-01 MeHg	518.989	81.1	132.0	233.03	233.04	91.8	3.747	OK	232.9820	0.00	0.07	
1610654-01 EHg	479.382	161.8	219.8	233.03	233.05	177.7	2.521	CT	232.9820	0.00	0.07	

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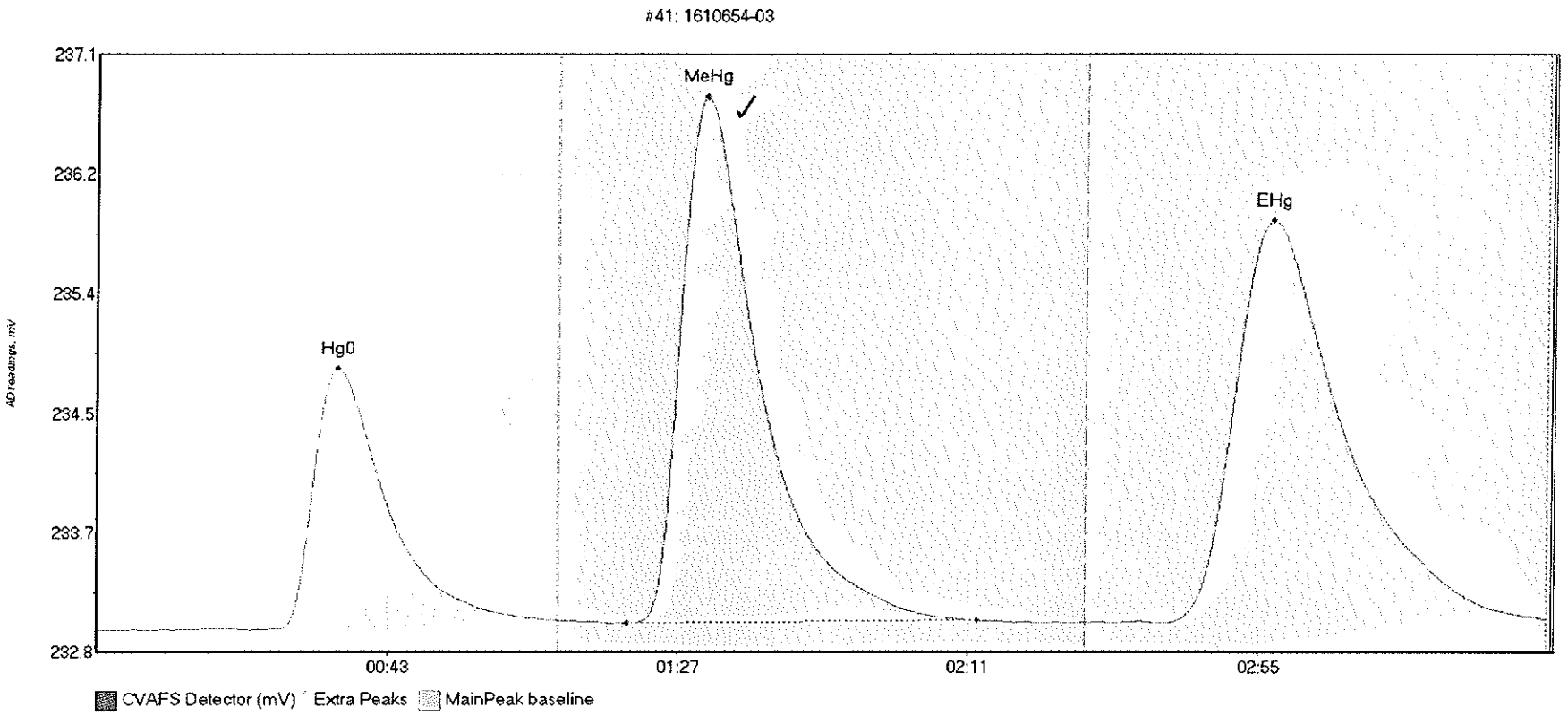
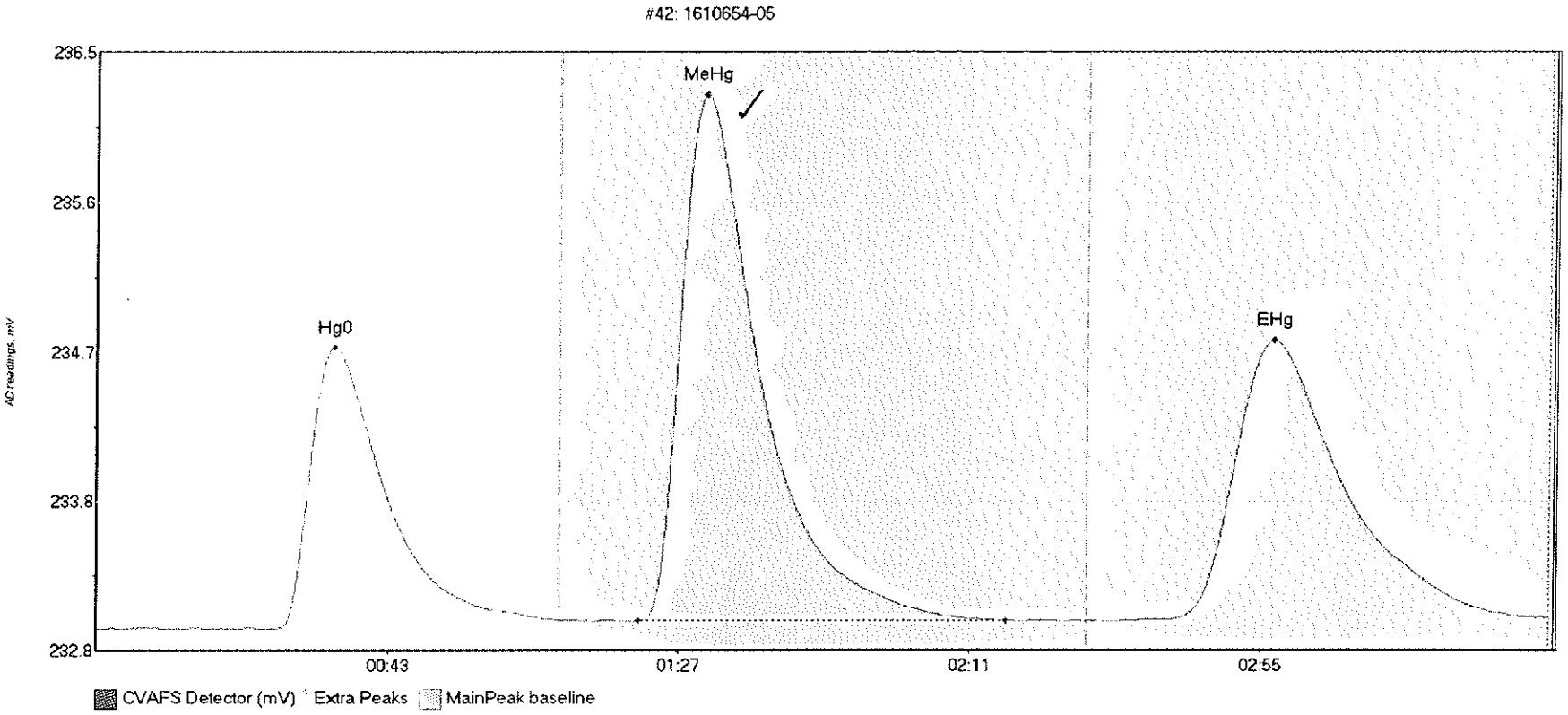
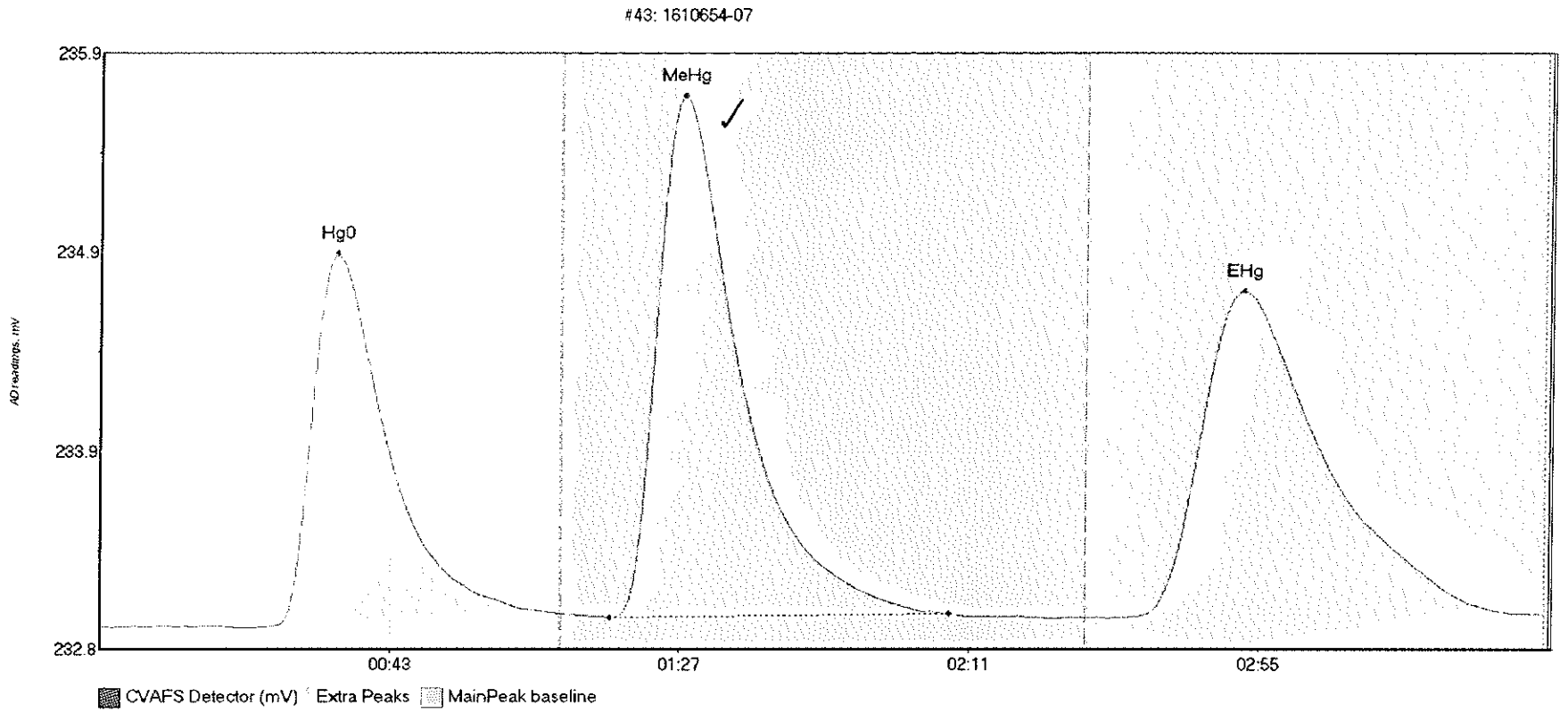


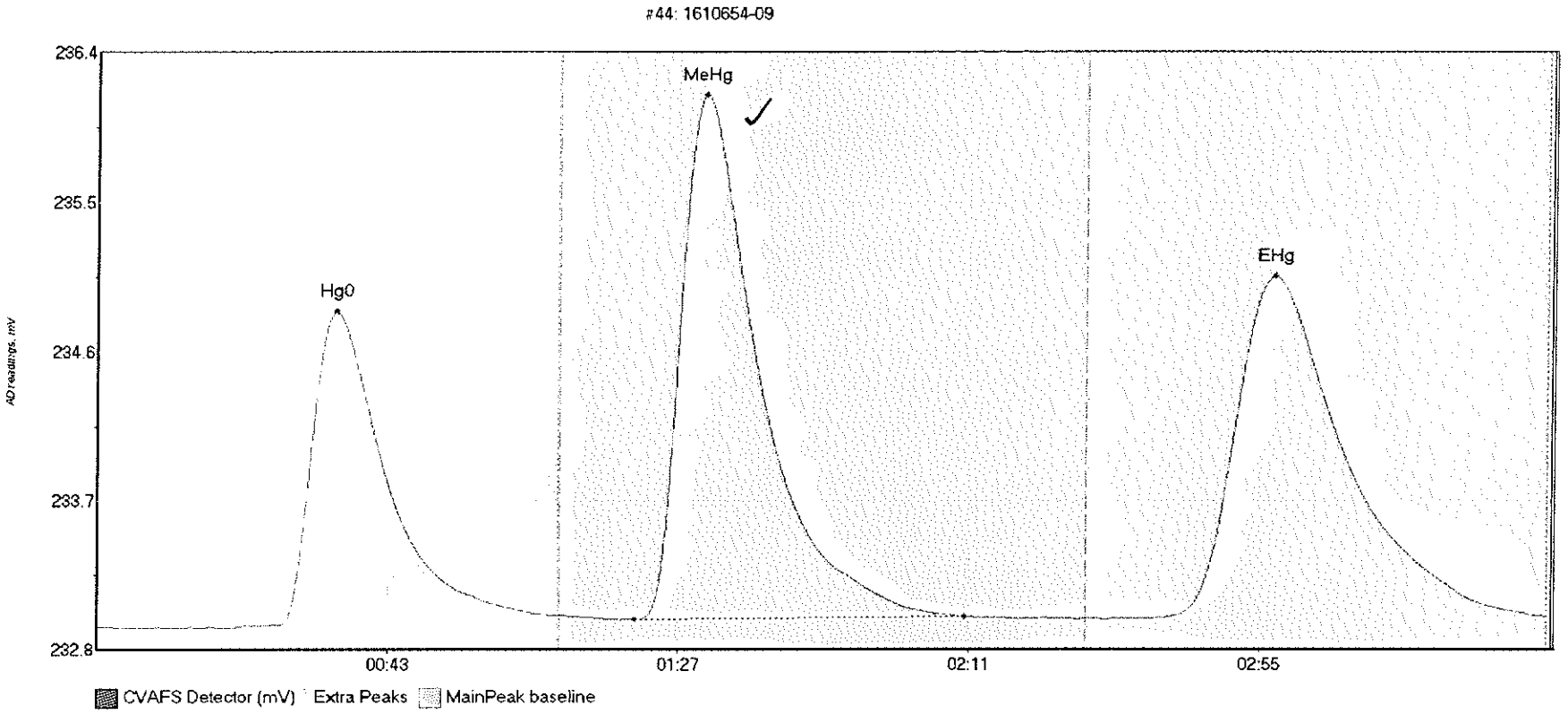
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-03 Hg0	231.639	11.8	69.9	232.97	233.04	36.4	1.860	CT	232.9698	0.00	0.08	
1610654-03 MeHg	514.525	80.5	133.5	233.02	233.04	92.2	3.729	OK	232.9698	0.00	0.08	
1610654-03 EHg	539.793	161.4	219.7	233.02	233.05	178.1	2.853	OK	232.9698	0.00	0.08	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-05 Hg0	222.015	27.3	69.9	232.97	233.02	36.0	1.722	CT	232.9708	0.00	0.07	
1610654-05 MeHg	445.473	82.0	137.6	233.02	233.02	92.2	3.214	OK	232.9708	0.00	0.07	
1610654-05 EHg	320.822	156.1	219.8	233.02	233.04	178.0	1.714	CT	232.9708	0.00	0.07	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-07 Hg0	252.336	24.4	69.9	232.95	233.02	36.0	1.937	CT	232.9557	0.00	0.06	
1610654-07 MeHg	394.779	77.5	129.0	233.00	233.02	88.7	2.705	OK	232.9557	0.00	0.06	
1610654-07 EHg	361.873	155.7	219.8	233.00	233.02	173.7	1.695	CT	232.9557	0.00	0.06	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-09 Hg0	241.766	24.5	69.2	232.95	233.01	36.3	1.917	OK	232.9414	0.00	0.07	
1610654-09 MeHg	439.038	81.5	131.5	232.99	233.00	92.2	3.196	OK	232.9414	0.00	0.07	
1610654-09 EHg	394.432	159.8	219.8	233.00	233.01	178.3	2.084	CT	232.9414	0.00	0.07	

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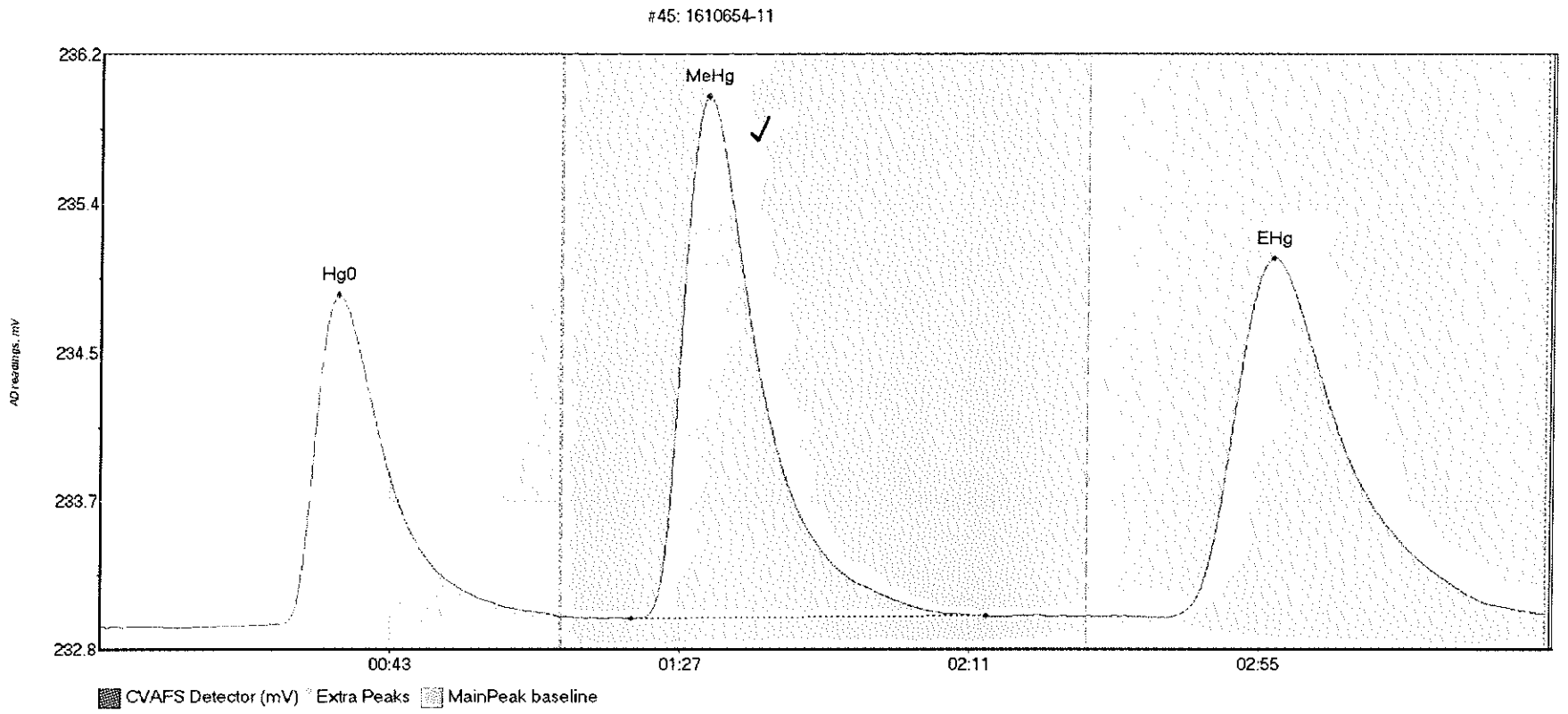
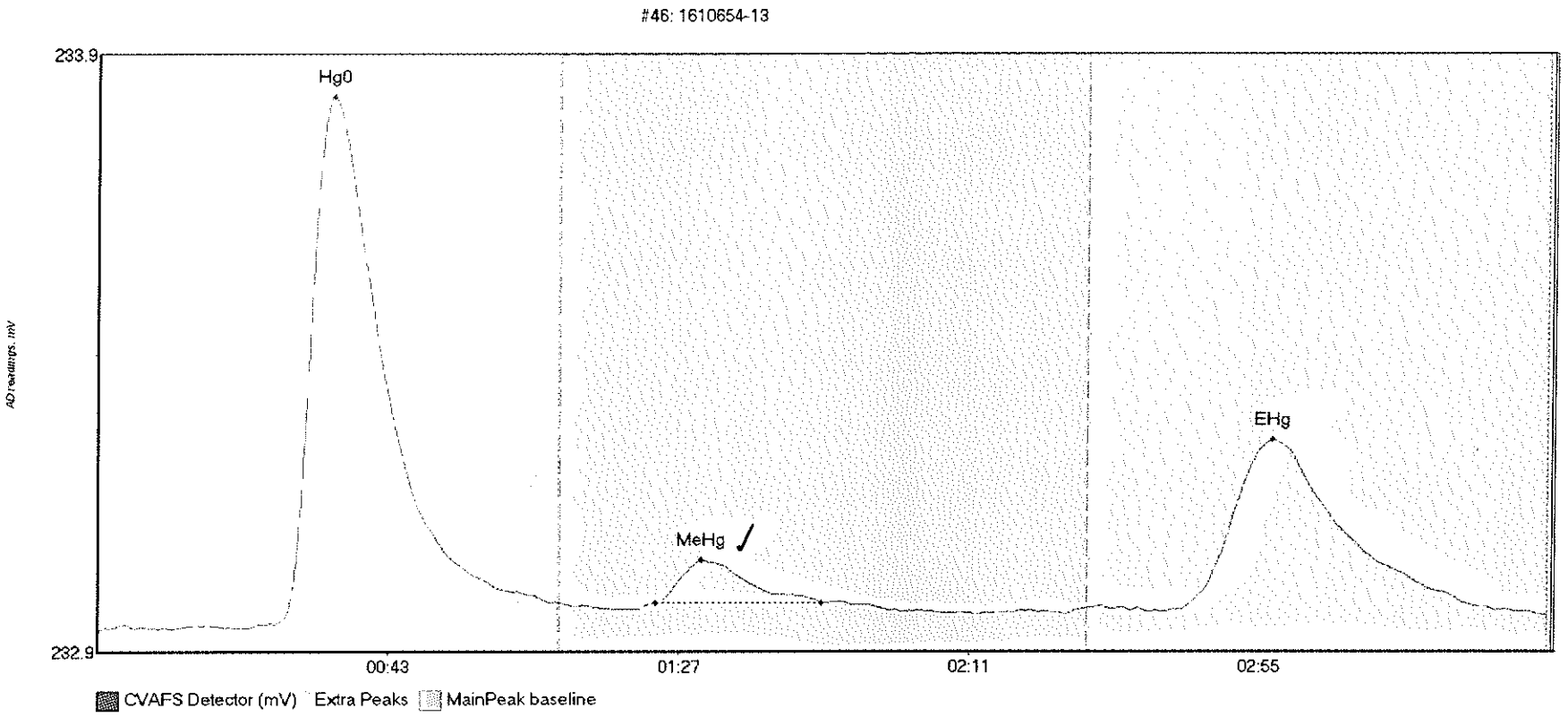
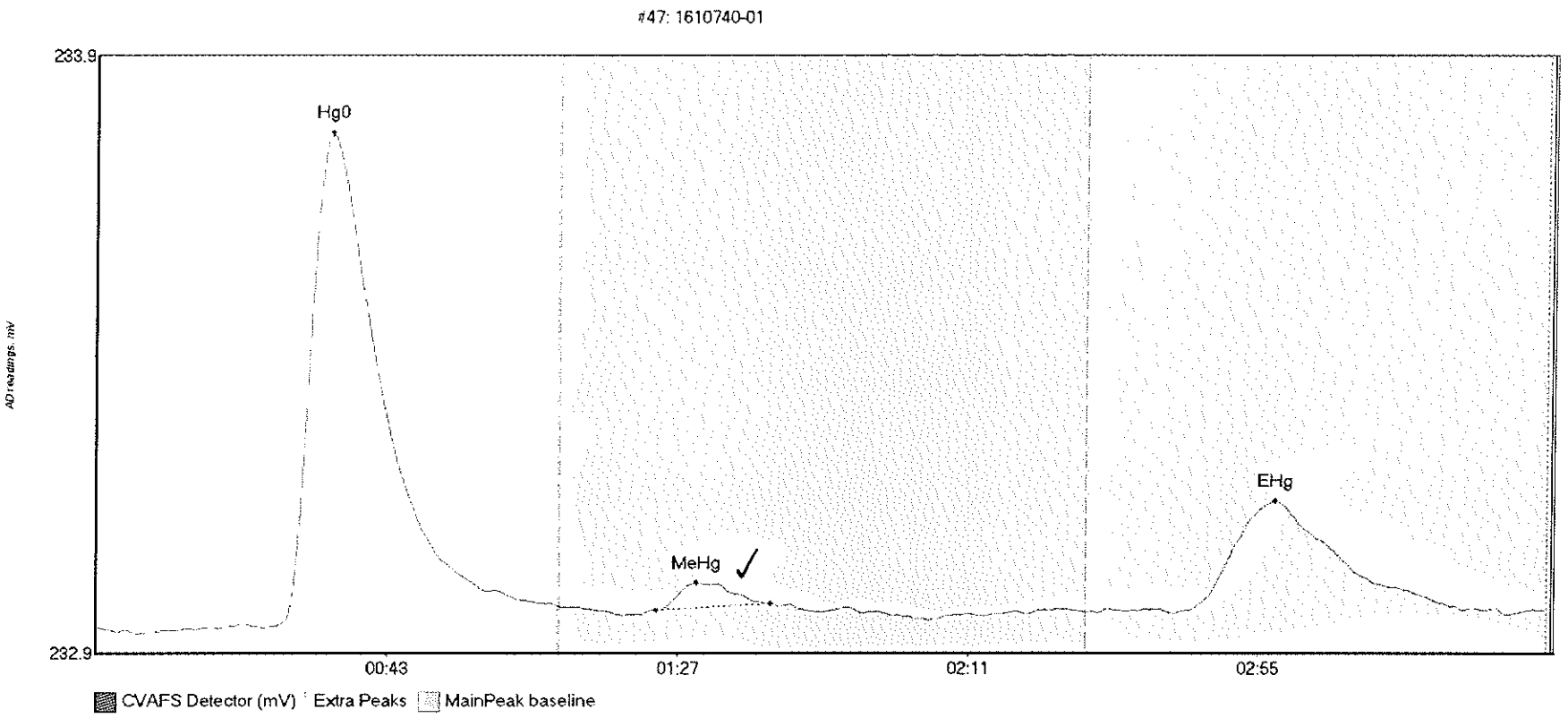


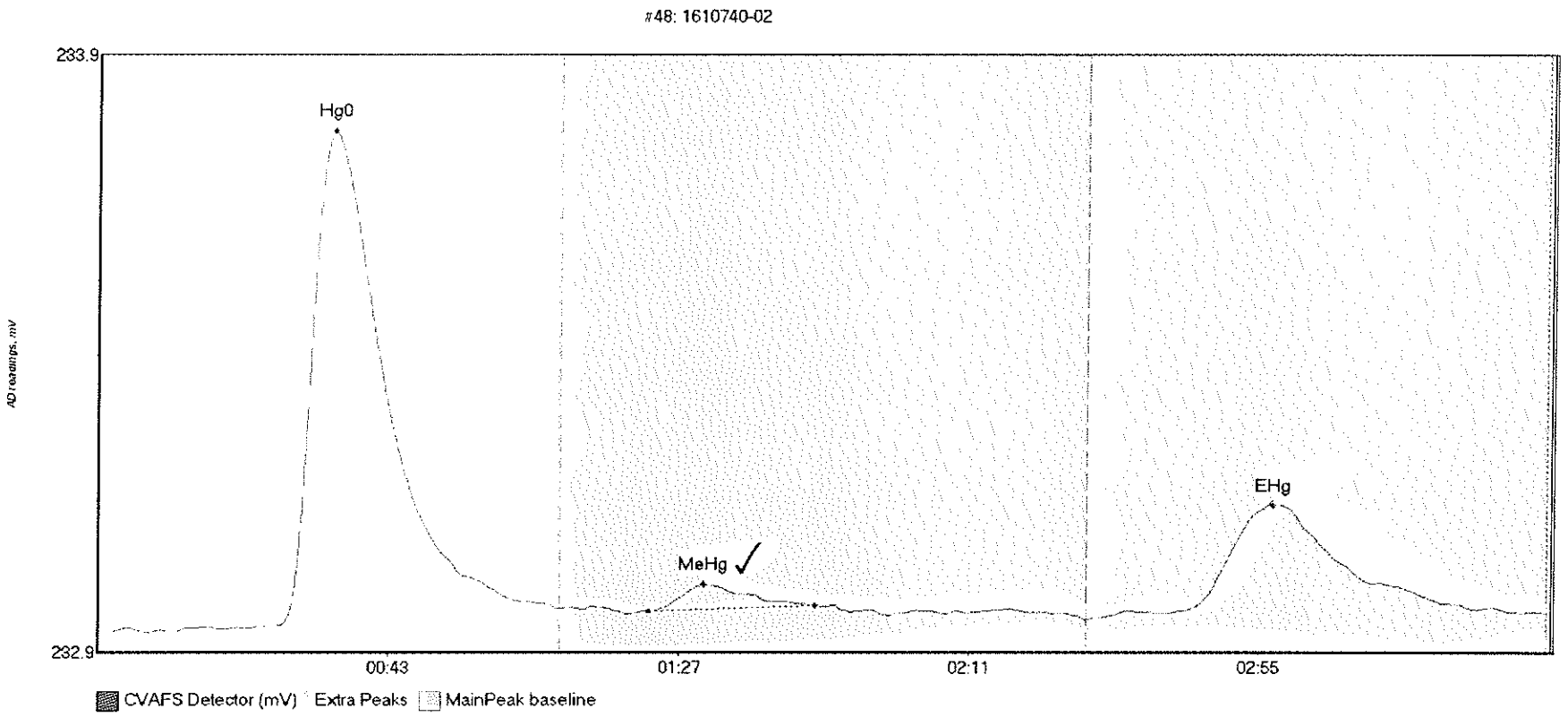
Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-11 Hg0	242.212	16.7	69.9	232.92	232.98	36.2	1.934	CT	232.9150	0.00	0.08	
1610654-11 MeHg	418.636	80.6	134.6	232.97	232.98	92.2	3.035	OK	232.9150	0.00	0.08	
1610654-11 EHg	396.167	162.2	219.4	232.97	232.99	176.2	2.092	OK	232.9150	0.00	0.08	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610654-13 Hg0	115.459	23.0	68.4	232.92	232.96	35.7	0.933	OK	232.9127	0.00	0.03	
1610654-13 MeHg	8.791	84.5	109.8	232.96	232.96	91.5	0.076	OK	232.9127	0.00	0.03	
1610654-13 EHg	54.513	164.1	210.0	232.95	232.95	178.0	0.299	OK	232.9127	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610740-01 HgO	100.667	27.1	69.9	232.92	232.95	35.6	0.823	CT	232.9126	0.00	0.03	
1610740-01 MeHg	3.808	84.7	102.1	232.94	232.95	90.9	0.046	OK	232.9126	0.00	0.03	
1610740-01 EHg	32.369	165.2	207.3	232.94	232.94	178.6	0.182	OK	232.9126	0.00	0.03	



Name	Area	Start Time	EndTime	StartValue	EndValue	Peak Max	PeakHeight	Flags	Baseline	BlDev	BlShift	Comment
1610740-02 Hg0	105.263	23.0	69.8	232.91	232.94	35.7	0.832	OK	232.9033	0.00	0.03	
1610740-02 MeHg	4.711	83.5	108.7	232.94	232.95	91.8	0.044	OK	232.9033	0.00	0.03	
1610740-02 EHg	36.523	153.4	219.8	232.93	232.93	178.2	0.189	CT	232.9033	0.00	0.03	