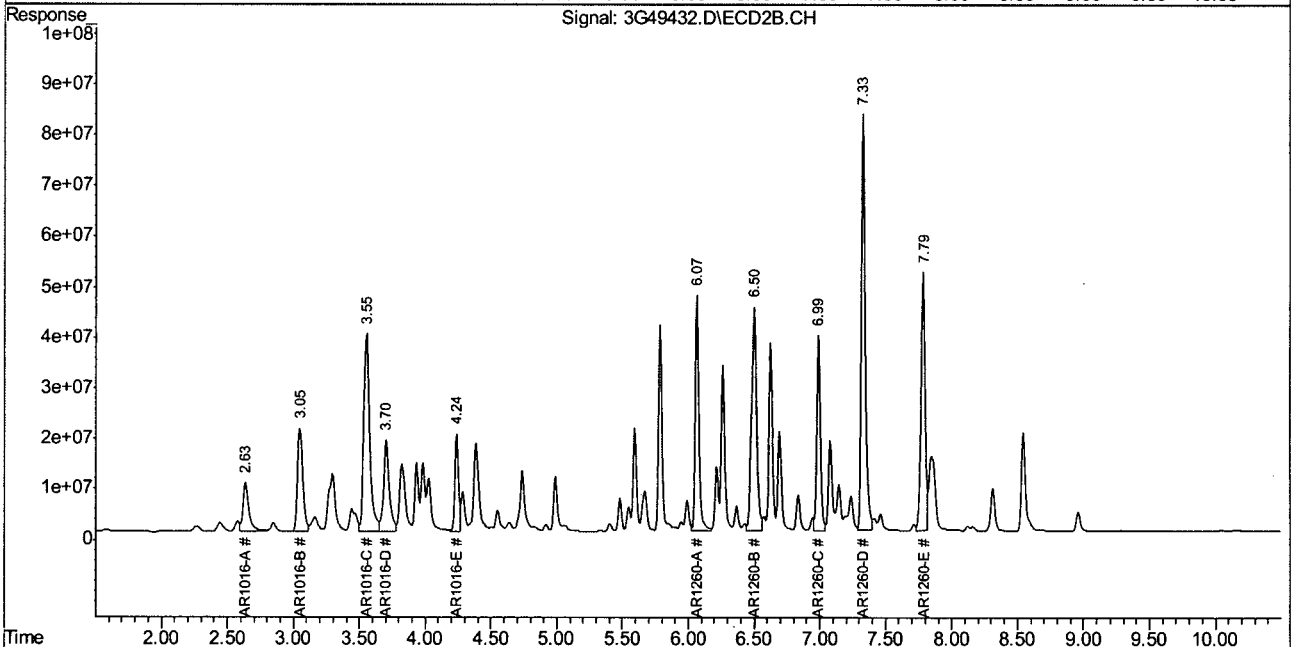
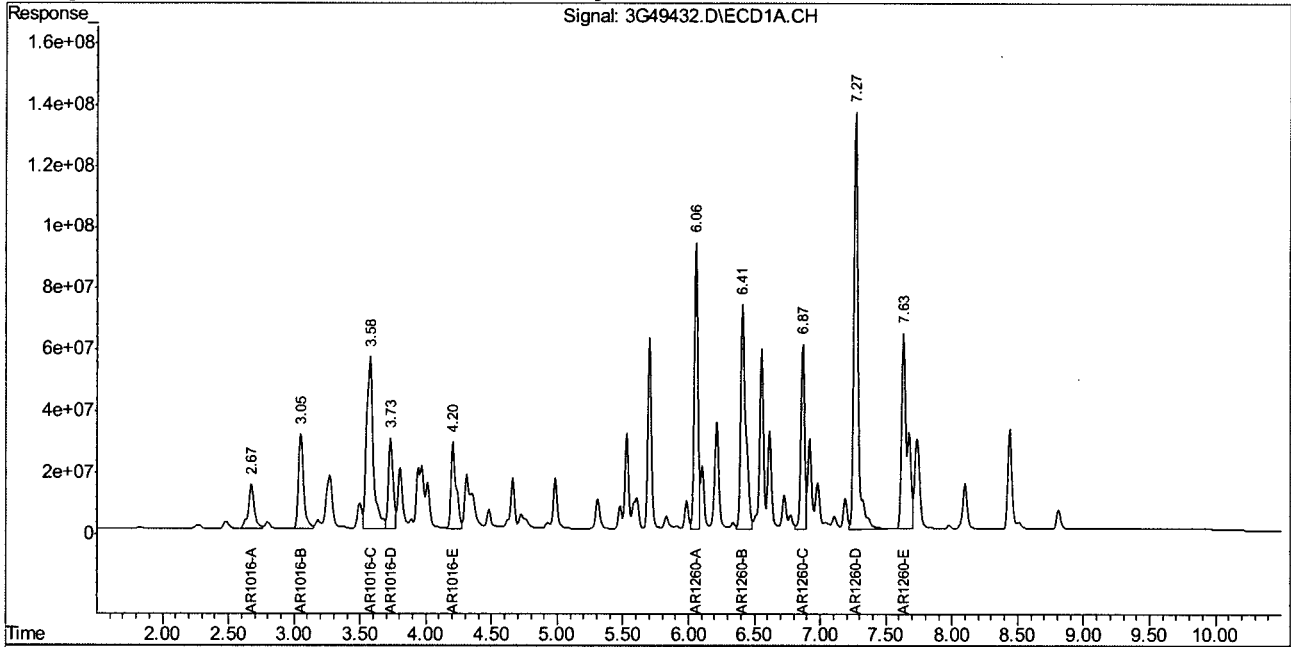


Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49432.D\ECD1A.CH Vial: 35
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49432.D\ECD2B.CH
Acq On : 9-24-2010 09:09:43 PM Operator: toyar
Sample : ICV1826-1000 Inst : GC3G
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Sep 27 11:38 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Mon Sep 27 11:38:08 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



10.6.28 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50277.D\ECD1A.CH Vial: 1
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50277.D\ECD2B.CH
 Acq On : 10-26-2010 09:56:24 AM Operator: toyar
 Sample : ccl826-500 Inst : GC3G
 Misc : OP46314,g3g1851,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 26 13:23:59 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 13:23:26 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	431.7E6	370.6E6	17.229	20.096
Spiked Amount	40.000		Recovery	=	43.07%	50.24%
50) S Decachlorobiphen	9.01	9.22	416.2E6	281.5E6	17.610	20.598
Spiked Amount	40.000		Recovery	=	44.02%	51.50%
Target Compounds						
30) AR1016-A	2.65	2.60	223.7E6	149.2E6	463.416	494.997
31) AR1016-B	3.02	3.01	419.1E6	308.6E6	484.170	520.233
32) AR1016-C	3.55	3.51	977.4E6	641.5E6	487.804	521.342
33) AR1016-D	3.70	3.66	366.5E6	294.9E6	486.684	544.071
34) AR1016-E	4.17	4.19	384.1E6	197.0E6	501.397	533.678
35) AR1260-A	6.02	6.01	917.1E6	426.4E6	521.398	486.075
36) AR1260-B	6.37	6.45	865.7E6	663.7E6	463.602	557.097
37) AR1260-C	6.83	6.93	565.9E6	394.4E6	495.234	560.658
38) AR1260-D	7.23	7.27	1502.5E6	905.1E6	524.746	571.495
39) AR1260-E	7.60	7.73	914.2E6	579.5E6	489.072	541.504

10.6.29 10

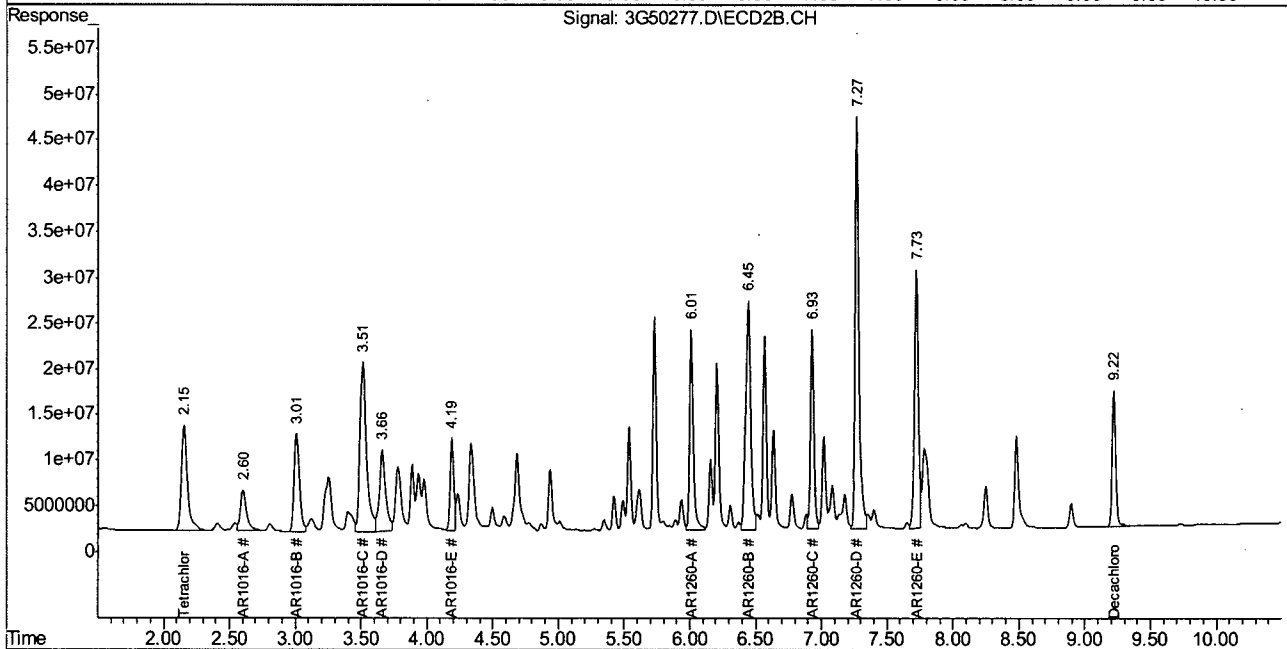
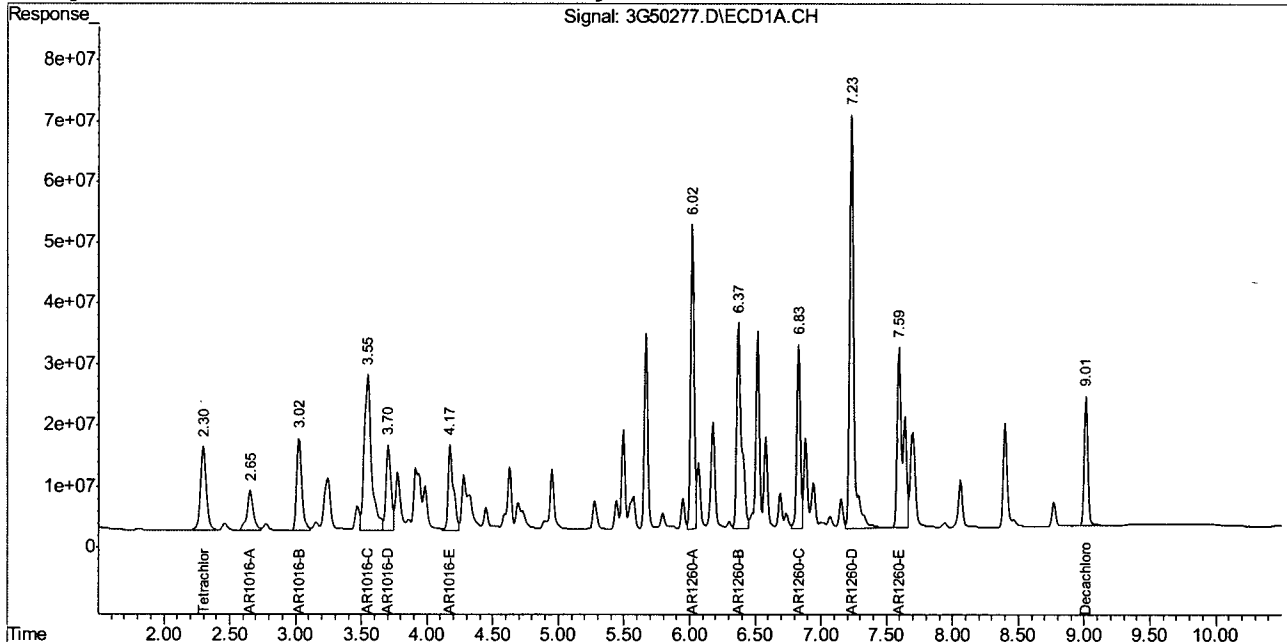
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50277.D PCB1826.M Tue Oct 26 13:24:24 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50277.D\ECD1A.CH Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50277.D\ECD2B.CH
Acq On : 10-26-2010 09:56:24 AM Operator: toyar
Sample : cc1826-500 Inst : GC3G
Misc : OP46314,g3g1851,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 26 13:24 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 13:23:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



10.6.29 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50288.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50288.D\ECD2B.CH
 Acq On : 10-26-2010 01:01:43 PM Operator: toyar
 Sample : cc1826-1000 Inst : GC3G
 Misc : OP46314,g3g1851,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 26 13:13:25 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 11:23:42 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30f	2.15f	996.3E6	744.1E6	39.762	40.355
Spiked Amount	40.000		Recovery	=	99.41%	100.89%
50) S Decachlorobiphen	9.02f	9.23f	909.1E6	554.6E6	38.465	40.578
Spiked Amount	40.000		Recovery	=	96.16%	101.45%
Target Compounds						
30) AR1016-A	2.65	2.60	457.4E6	299.4E6	947.838	993.081
31) AR1016-B	3.02	3.01	862.4E6	592.1E6	996.286	998.020
32) AR1016-C	3.55	3.52	2005.7E6	1232.2E6	1001.049	1001.453
33) AR1016-D	3.70	3.66	752.2E6	572.0E6	998.736	1055.117
34) AR1016-E	4.17	4.19	789.3E6	370.4E6	1030.299	1003.554
35) AR1260-A	6.02	6.02	1860.5E6	910.7E6	1057.719	1038.192
36) AR1260-B	6.38	6.45	1916.8E6	1253.3E6	1026.541	1051.964
37) AR1260-C	6.83	6.94	1184.7E6	762.6E6	1036.763	1084.095
38) AR1260-D	7.23	7.28	3288.9E6	1788.9E6	1148.675	1129.538
39) AR1260-E	7.60	7.73	1962.8E6	1103.3E6	1050.053	1030.885

10.6.30 10

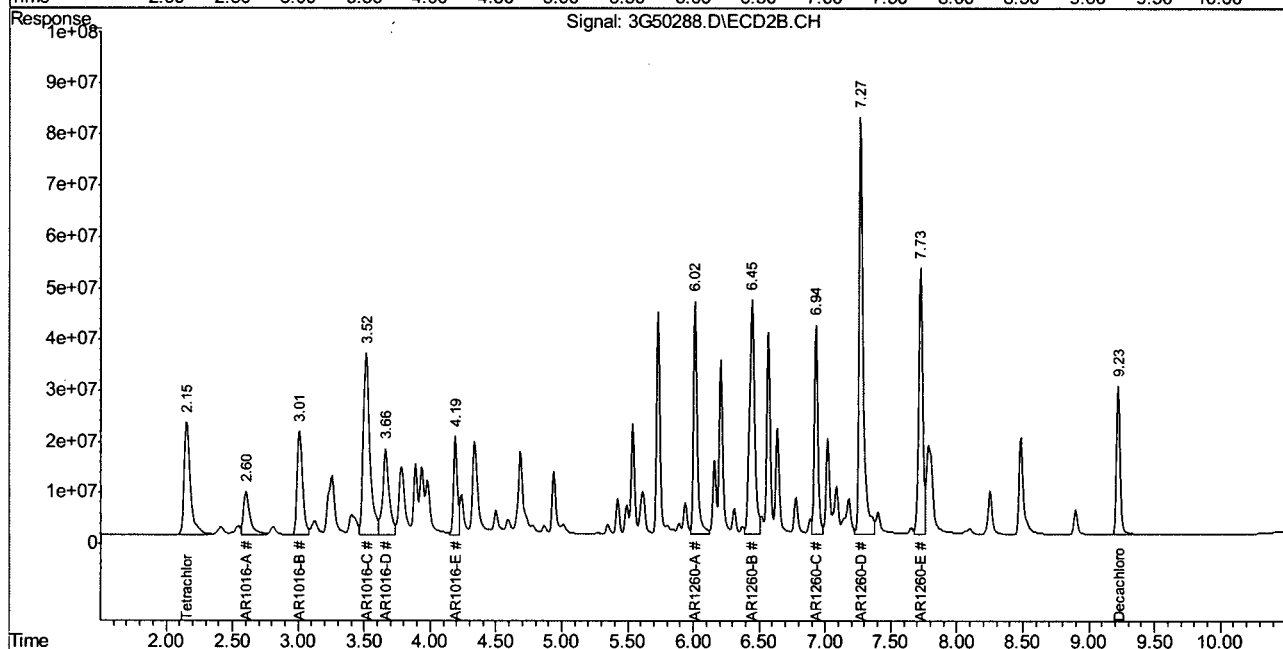
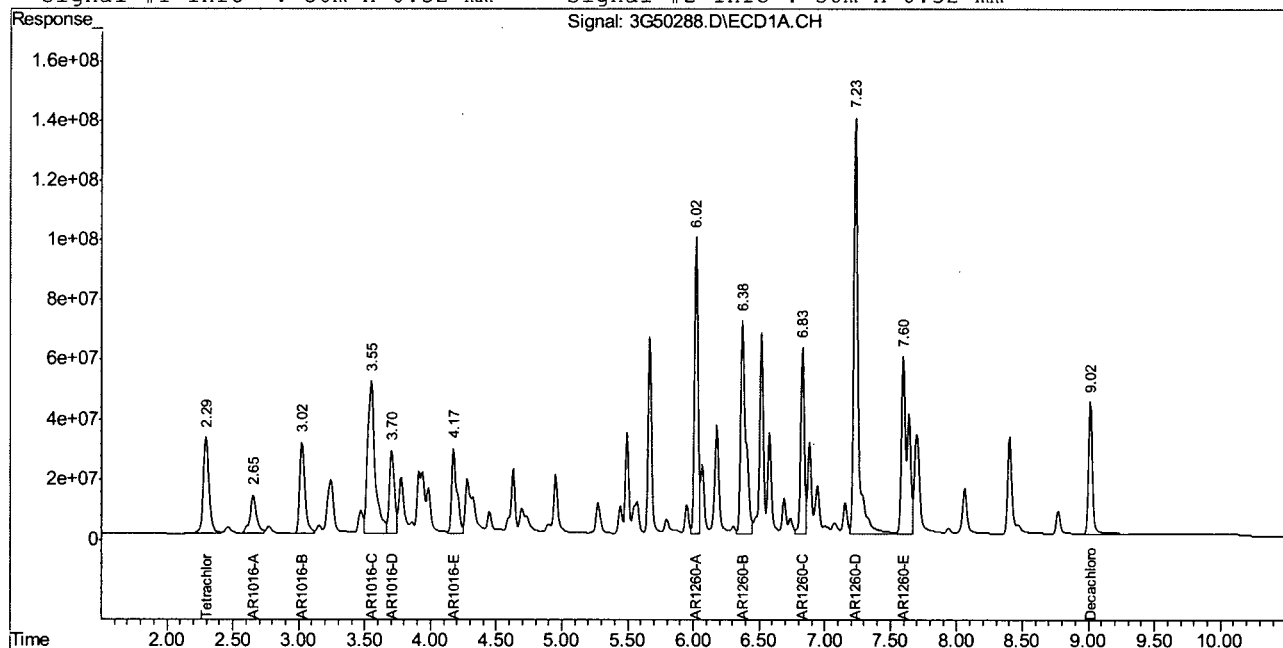
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50288.D PCB1826.M Tue Oct 26 13:13:49 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50288.D\ECD1A.CH Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50288.D\ECD2B.CH
Acq On : 10-26-2010 01:01:43 PM Operator: toyar
Sample : cc1826-1000 Inst : GC3G
Misc : OP46314,g3g1851,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 26 13:13 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 11:23:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



10.6.30 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50299.D\ECD1A.CH Vial: 23
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50299.D\ECD2B.CH
 Acq On : 10-26-2010 04:39:29 PM Operator: toyar
 Sample : cc1826-500 Inst : GC3G
 Misc : OP46321,g3g1851,17.4,,,10,50 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 26 16:54:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	475.3E6	358.5E6	18.968	19.440
Spiked Amount 40.000			Recovery =		47.42%	48.60%
50) S Decachlorobiphen	9.02	9.23	362.0E6	237.2E6	15.317	17.353
Spiked Amount 40.000			Recovery =		38.29%	43.38%
Target Compounds						
30) AR1016-A	2.65	2.60	226.3E6	149.9E6	468.986	497.190
31) AR1016-B	3.03	3.01	424.1E6	299.2E6	489.987	504.325
32) AR1016-C	3.55	3.51	978.1E6	620.6E6	488.162	504.396
33) AR1016-D	3.70	3.66	366.5E6	283.2E6	486.632	522.352
34) AR1016-E	4.17	4.19	378.4E6	188.1E6	493.879	509.658
35) AR1260-A	6.02	6.01	785.2E6	410.2E6	446.372	467.650
36) AR1260-B	6.37	6.45	807.9E6	570.9E6	432.646	479.234
37) AR1260-C	6.83	6.93	500.9E6	329.3E6	438.320	468.069
38) AR1260-D	7.23	7.27	1339.7E6	754.4E6	467.901	476.325
39) AR1260-E	7.60	7.73	804.7E6	491.4E6	430.502	459.110

10.6.31 10

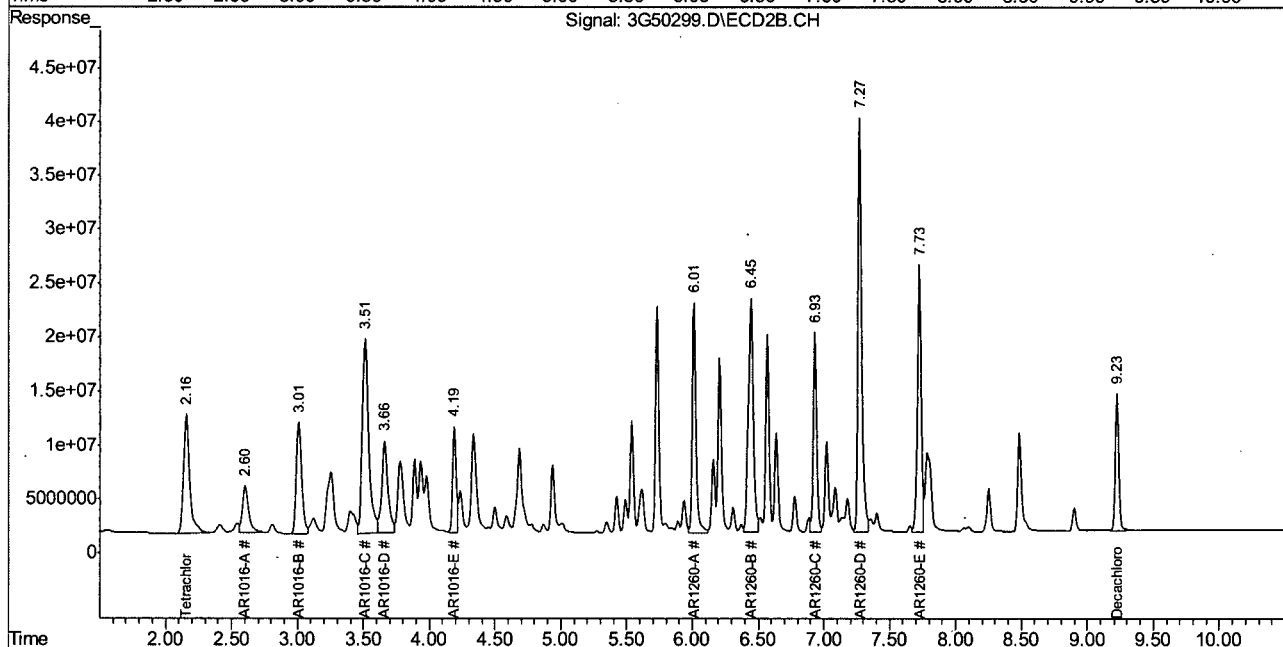
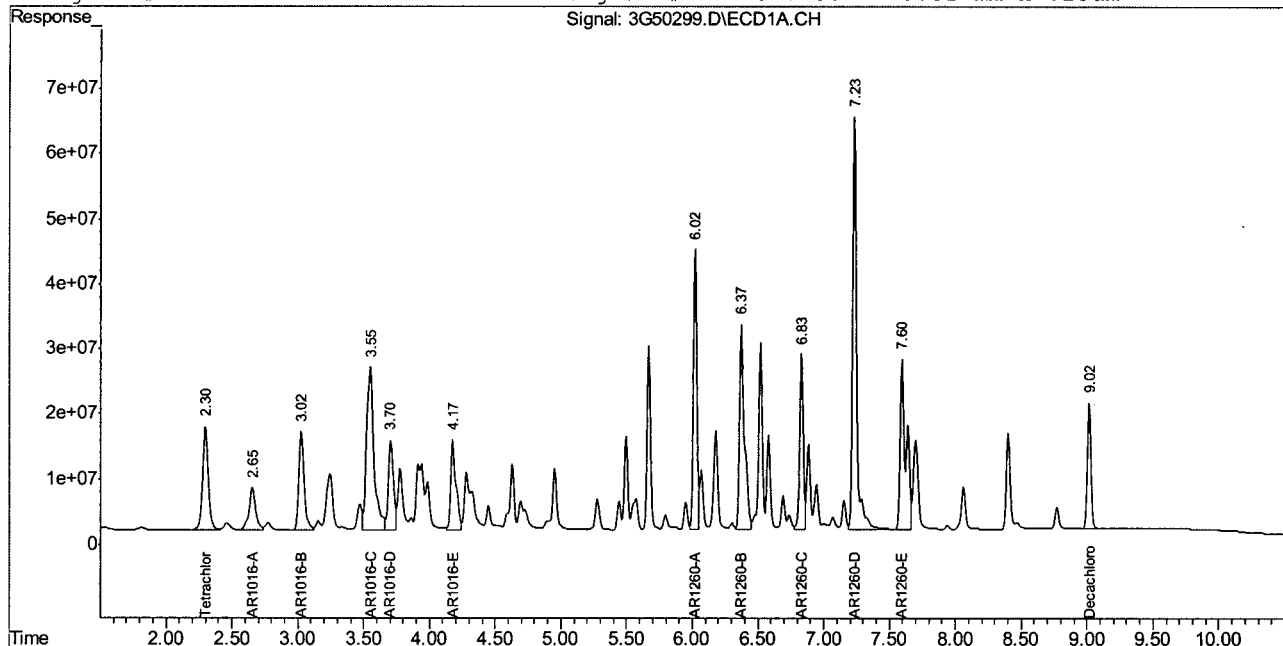
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50299.D PCB1826.M Tue Oct 26 16:55:13 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50299.D\ECD1A.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50299.D\ECD2B.CH
Acq On : 10-26-2010 04:39:29 PM Operator: toyar
Sample : cc1826-500 Inst : GC3G
Misc : OP46321,g3g1851,17.4,,,10,50 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 26 16:54 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.31
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50310.D\ECD1A.CH Vial: 34
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50310.D\ECD2B.CH
 Acq On : 10-26-2010 08:10:39 PM Operator: toyar
 Sample : cc1826-1000 Inst : GC3G
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 08:36:15 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	1060.0E6	758.8E6	42.304	41.148
Spiked Amount	40.000		Recovery	=	105.76%	102.87%
50) S Decachlorobiphen	9.02	9.23	983.4E6	590.2E6	41.609	43.187
Spiked Amount	40.000		Recovery	=	104.02%	107.97%
Target Compounds						
30) AR1016-A	2.66	2.61	471.5E6	274.0E6	977.000	908.737
31) AR1016-B	3.03	3.01	894.5E6	613.2E6	1033.397	1033.562
32) AR1016-C	3.55	3.52	2068.2E6	1255.2E6	1032.206	1020.148
33) AR1016-D	3.71	3.66	774.8E6	573.0E6	1028.804	1056.986
34) AR1016-E	4.18	4.19	812.9E6	367.5E6	1060.992	995.850
35) AR1260-A	6.02	6.02	1989.4E6	932.6E6	1130.960	1063.154
36) AR1260-B	6.38	6.45	2034.0E6	1281.0E6	1089.303	1075.279
37) AR1260-C	6.83	6.93	1273.2E6	778.3E6	1114.144	1106.330
38) AR1260-D	7.23	7.27	3496.9E6	1818.3E6	1221.299	1148.108
39) AR1260-E	7.60	7.73	2071.7E6	1119.7E6	1108.346	1046.259

10.6.32 10

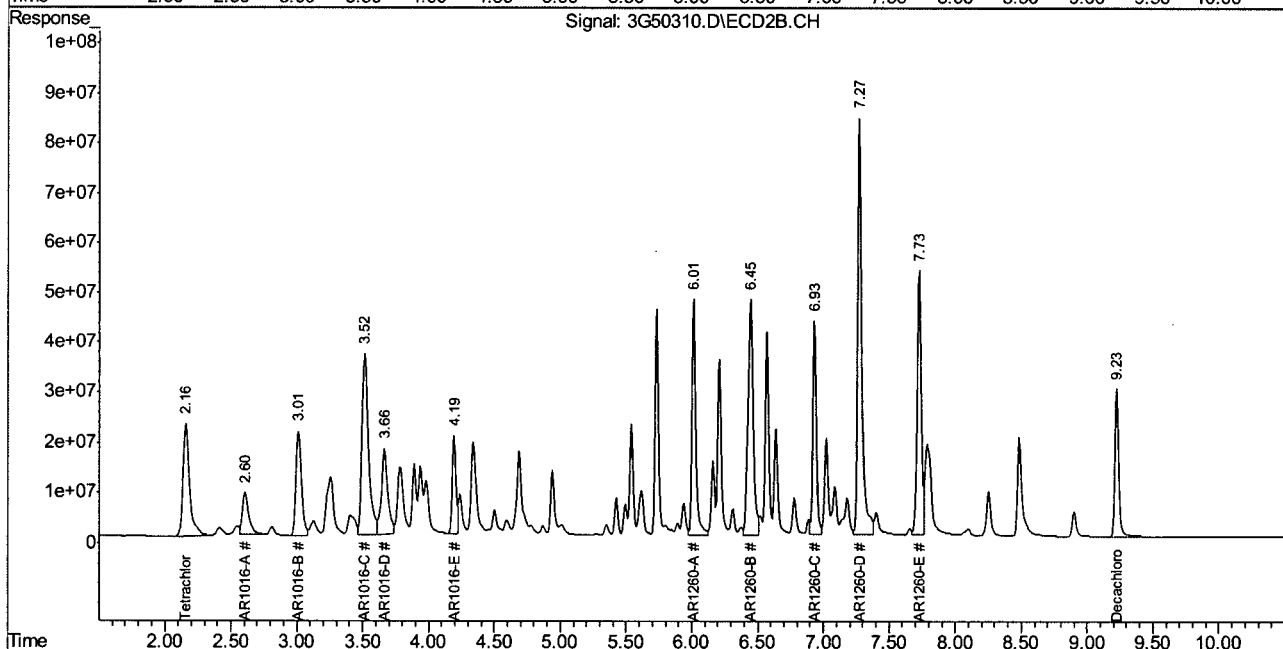
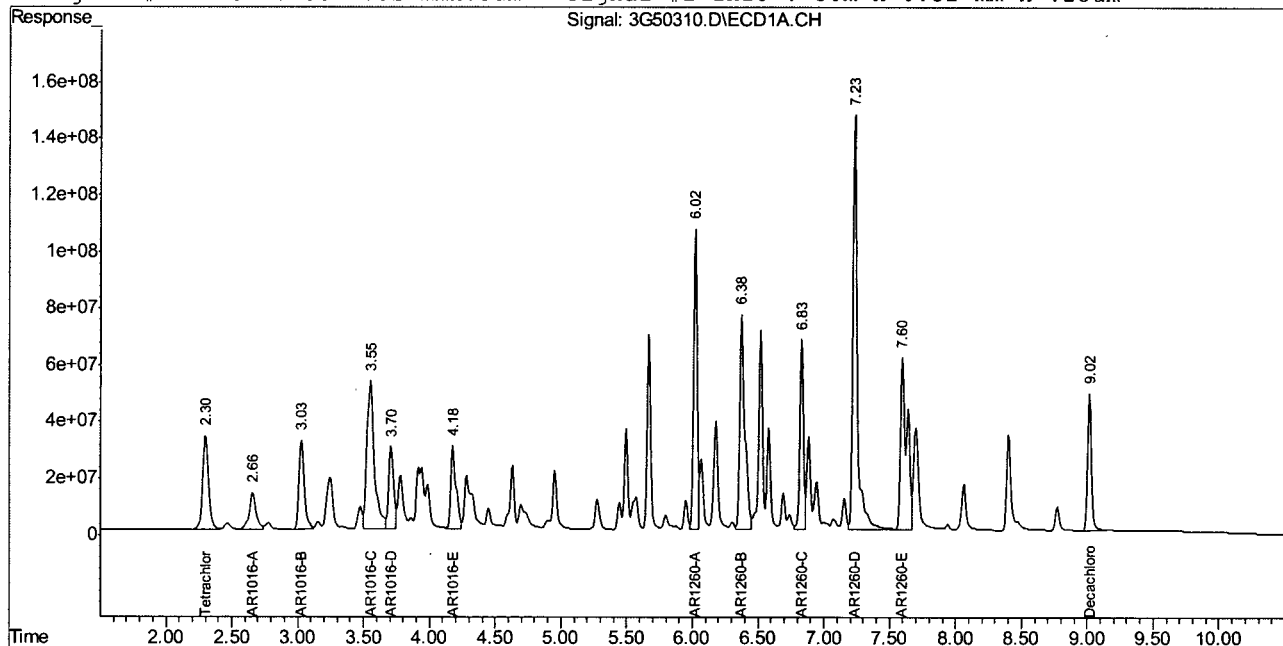
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50310.D PCB1826.M Wed Oct 27 08:36:45 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50310.D\ECD1A.CH Vial: 34
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50310.D\ECD2B.CH
Acq On : 10-26-2010 08:10:39 PM Operator: toyar
Sample : cc1826-1000 Inst : GC3G
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 8:36 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.32 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Owen McKenna
 10/30/10 13:58

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD1A.CH Vial: 45
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD2B.CH
 Acq On : 26 Oct 2010 11:11 pm Operator: toyar
 Sample : cc1826-500 Inst : GC3G
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 08:38:46 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	497.5E6	391.7E6	19.855	21.239
Spiked Amount	40.000		Recovery	=	49.64%	53.10%
50) S Decachlorobiphen	9.01	9.23	535.3E6	325.2E6	22.651	23.795
Spiked Amount	40.000		Recovery	=	56.63%	59.49%
Target Compounds						
30) AR1016-A	2.66	2.61	246.7E6	140.6E6	511.201	466.322
31) AR1016-B	3.03	3.01	475.1E6	325.5E6	548.894	548.717
32) AR1016-C	3.56	3.52	1046.5E6	624.7E6	522.284	507.761
33) AR1016-D	3.71	3.67	398.2E6	307.3E6	528.791	566.943
34) AR1016-E	4.18	4.19	408.7E6	191.7E6	533.423	519.451m
35) AR1260-A	6.02	6.01	1037.0E6	411.8E6	589.558	469.431
36) AR1260-B	6.37	6.45	956.9E6	674.5E6	512.456	566.167
37) AR1260-C	6.83	6.93	666.1E6	402.3E6	582.869	571.866
38) AR1260-D	7.23	7.27	1864.5E6	937.1E6	651.184	591.699
39) AR1260-E	7.60	7.73	1104.8E6	574.2E6	591.030	536.559

10.6.33
10

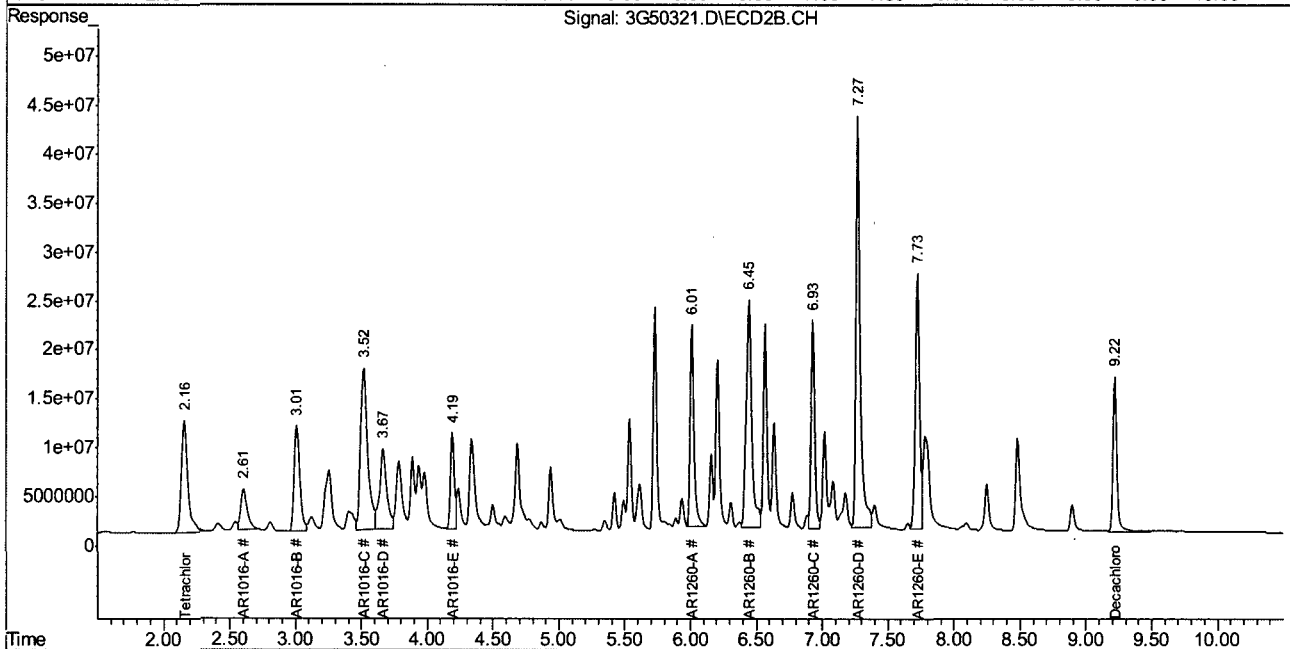
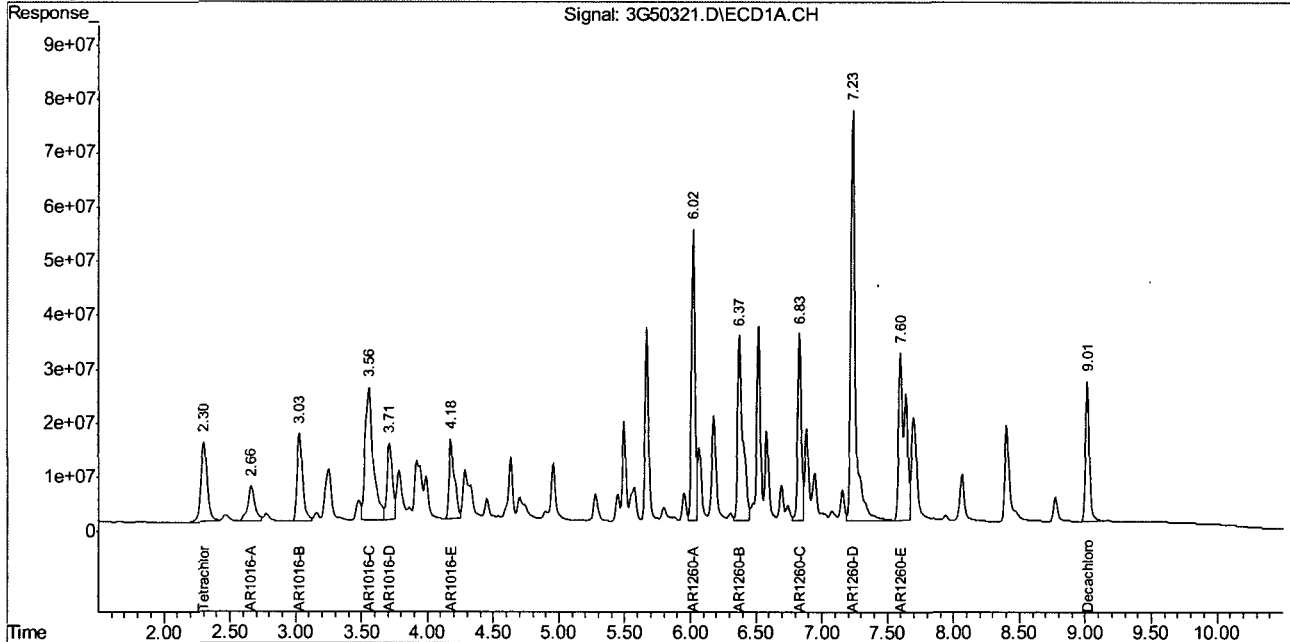
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50321.D PCB1826.M Wed Oct 27 08:39:30 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD1A.CH Vial: 45
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD2B.CH
Acq On : 26 Oct 2010 11:11 pm Operator: toyar
Sample : cc1826-500 Inst : GC3G
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 8:39 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.33 10

Manual Integration Approval Summary

Sample Number: G3G1851-CC1826 **Method:** SW846 8082
Lab FileID: 3G50321.D **Analyst approved:** 10/27/10 09:43 Toya Dagena Raffington
Injection Time: 10/26/10 23:11 **Supervisor approved:** 10/30/10 13:58 Owen McKenna

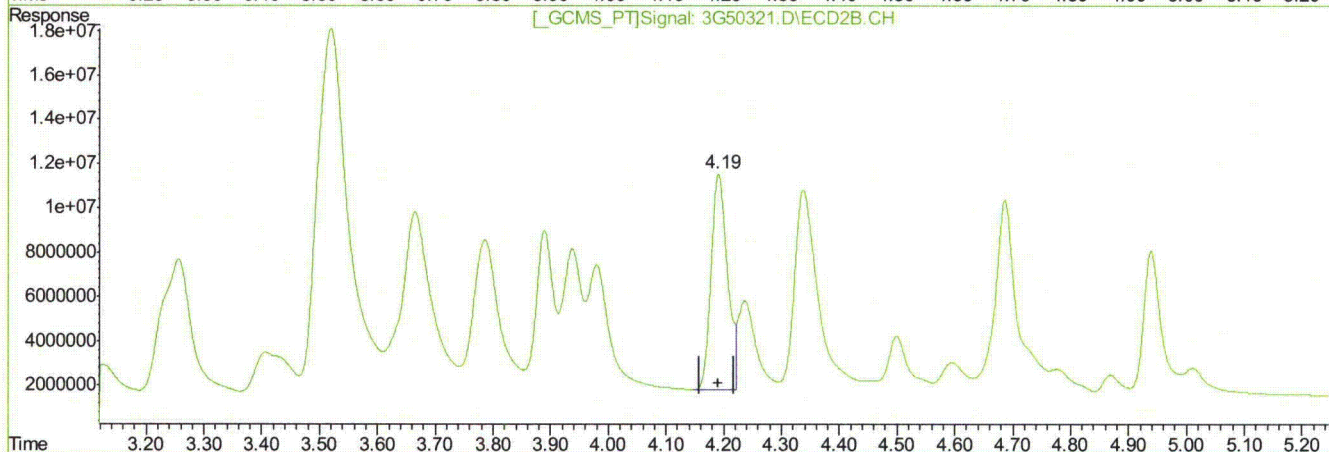
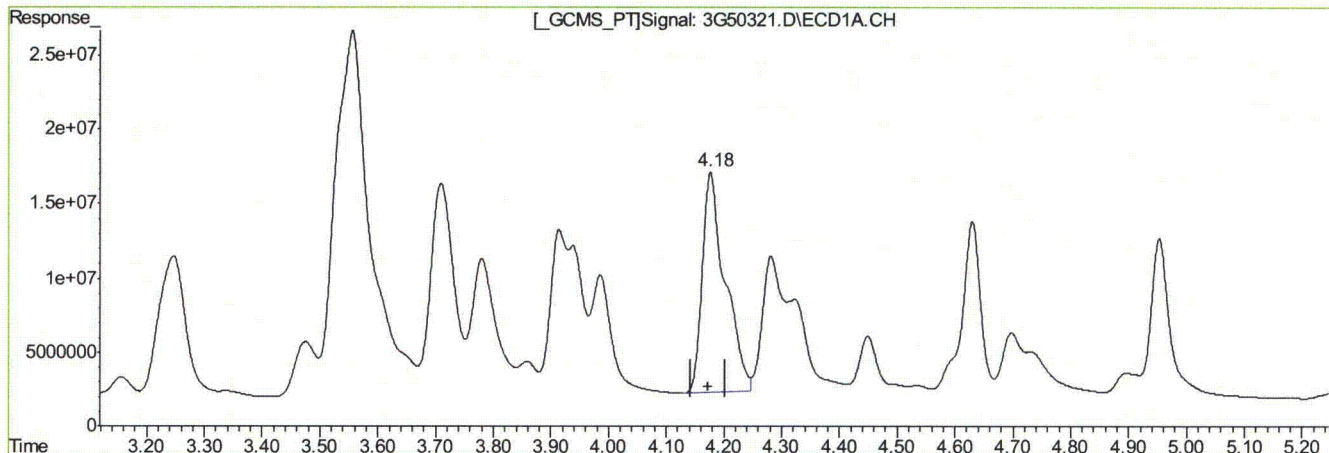
Parameter	CAS	Sig#	R. T. (min.)	Reason
AR1016-E		2	4.19	Poorly defined baseline

10.6.33.1
10

Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD1A.CH Vial: 45
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50321.D\ECD2B.CH
Acq On : 26 Oct 2010 11:11 pm Operator: toyar
Sample : cc1826-500 Inst : GC3G
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 8:38 2010 Quant Results File: PCB1826.RES

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration



QEdit

(34) AR1016-E
4.18min 533.423PPB
response 408672035
(34) AR1016-E #2
4.19min 519.451PPB m
response 191708443

(+) = Expected Retention Time
3G50321.D PCB1826.M Wed Oct 27 08:39:15 2010 GC3G

10.6.33.2 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50332.D\ECD1A.CH Vial: 56
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50332.D\ECD2B.CH
 Acq On : 10-27-2010 02:43:05 AM Operator: toyar
 Sample : Ecc1826-1000 Inst : GC3G
 Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 08:34:29 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	1010.4E6	732.0E6	40.323	39.694
Spiked Amount	40.000		Recovery	=	100.81%	99.24%
50) S Decachlorobiphen	9.02	9.22	1026.9E6	600.7E6	43.452	43.957
Spiked Amount	40.000		Recovery	=	108.63%	109.89%
Target Compounds						
30) AR1016-A	2.66	2.60	443.8E6	265.2E6	919.543	879.799
31) AR1016-B	3.02	3.01	868.7E6	592.3E6	1003.535	998.276
32) AR1016-C	3.55	3.52	1949.4E6	1193.0E6	972.917	969.594
33) AR1016-D	3.71	3.66	738.5E6	576.9E6	980.640	1064.214
34) AR1016-E	4.17	4.19	782.0E6	365.4E6	1020.703	990.008
35) AR1260-A	6.02	6.01	1899.4E6	872.8E6	1079.832	995.059
36) AR1260-B	6.38	6.45	2038.4E6	1250.1E6	1091.648	1049.312
37) AR1260-C	6.83	6.93	1240.7E6	749.2E6	1085.758	1065.021
38) AR1260-D	7.23	7.27	3530.3E6	1761.6E6	1232.979	1112.321
39) AR1260-E	7.60	7.73	2075.0E6	1063.2E6	1110.105	993.414

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50332.D PCB1826.M Wed Oct 27 08:35:28 2010 GC3G

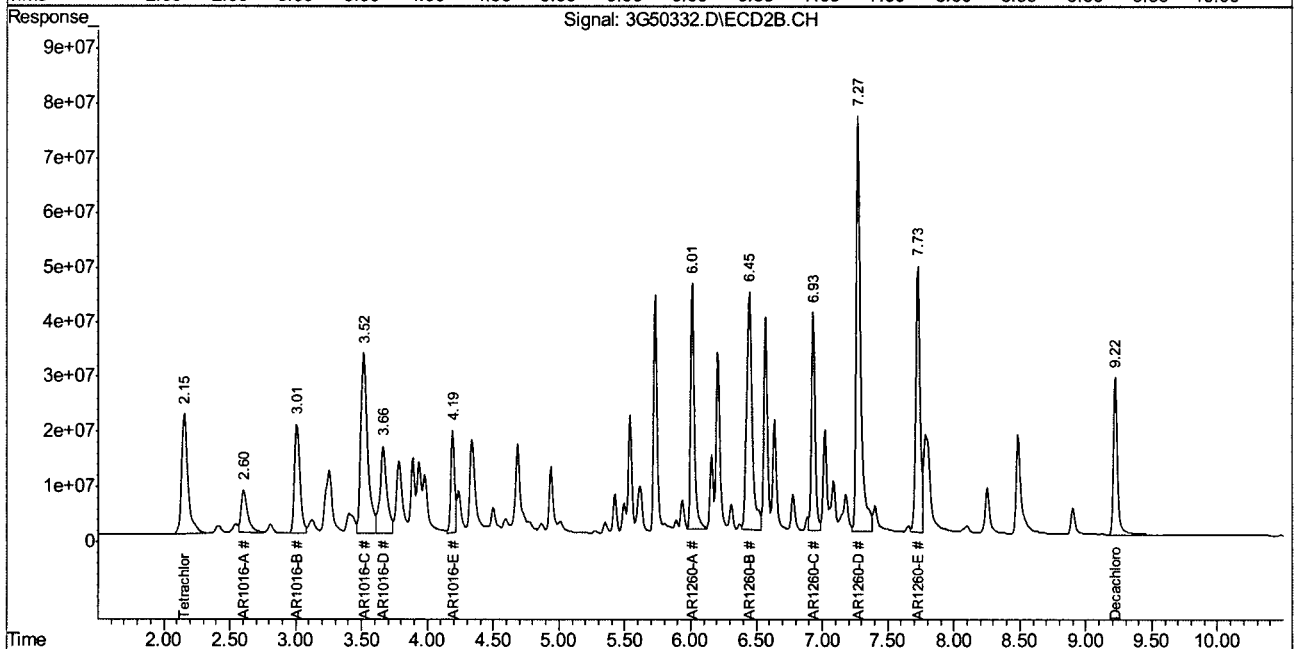
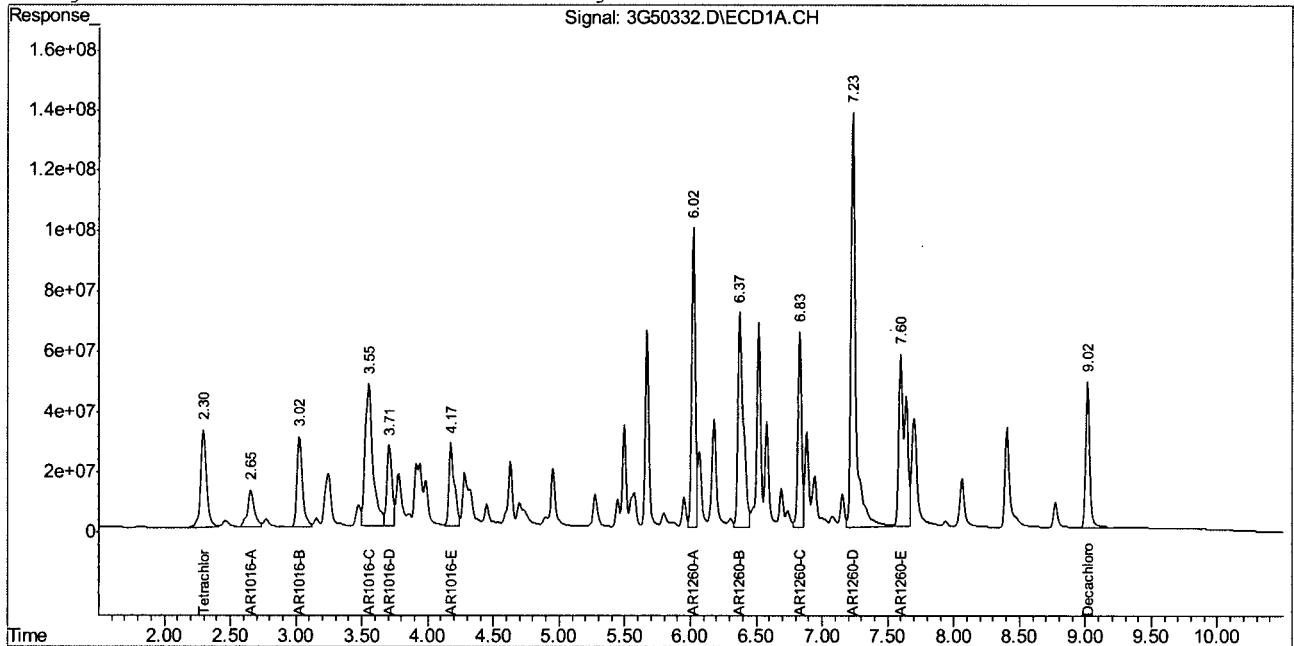
10.6.34
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50332.D\ECD1A.CH Vial: 56
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50332.D\ECD2B.CH
Acq On : 10-27-2010 02:43:05 AM Operator: toyar
Sample : Ecc1826-1000 Inst : GC3G
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 8:35 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.34 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Jessica Reitan-Chu
 10/27/10 17:15

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD1A.CH Vial: 69
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD2B.CH
 Acq On : 27 Oct 2010 11:30 am Operator: toyar
 Sample : cc1826-1000 Inst : GC3G
 Misc : OP46256,g3g1852,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 11:47:37 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.29	2.15	1032.8E6	751.1E6	41.216	40.733
Spiked Amount	40.000		Recovery	=	103.04%	101.83%
50) S Decachlorobiphen	9.02	9.22	987.9E6	567.5E6	41.801	41.528
Spiked Amount	40.000		Recovery	=	104.50%	103.82%
Target Compounds						
30) AR1016-A	2.65	2.60	494.7E6	292.5E6	1024.986	970.225m
31) AR1016-B	3.02	3.00	907.1E6	606.0E6	1047.886	1021.357
32) AR1016-C	3.55	3.51	2088.8E6	1259.2E6	1042.502	1023.454
33) AR1016-D	3.70	3.66	790.1E6	574.1E6	1049.173	1059.113
34) AR1016-E	4.17	4.19	817.5E6	378.8E6	1067.098	1026.376
35) AR1260-A	6.02	6.01	1877.6E6	923.1E6	1067.403	1052.342
36) AR1260-B	6.37	6.45	1917.2E6	1239.8E6	1026.745	1040.706
37) AR1260-C	6.83	6.93	1125.5E6	749.4E6	984.879	1065.249
38) AR1260-D	7.23	7.27	3190.1E6	1757.2E6	1114.167	1109.503
39) AR1260-E	7.60	7.73	1982.0E6	1077.2E6	1060.341	1006.492

10.6.35 10

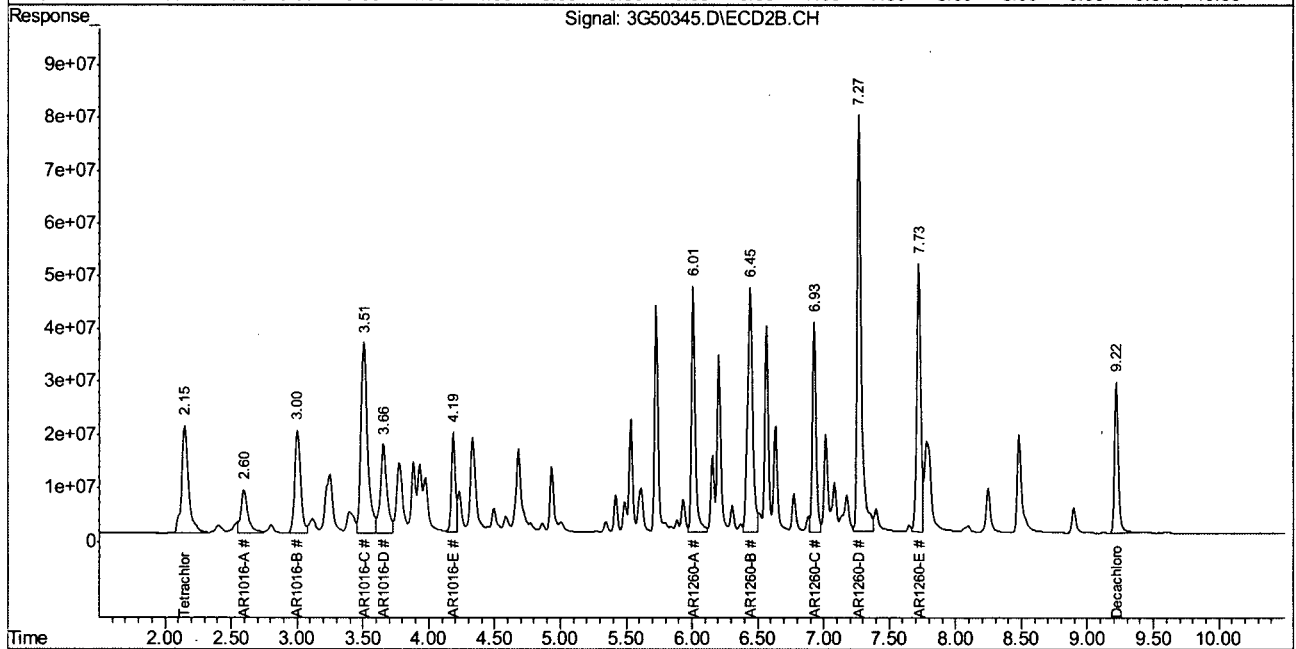
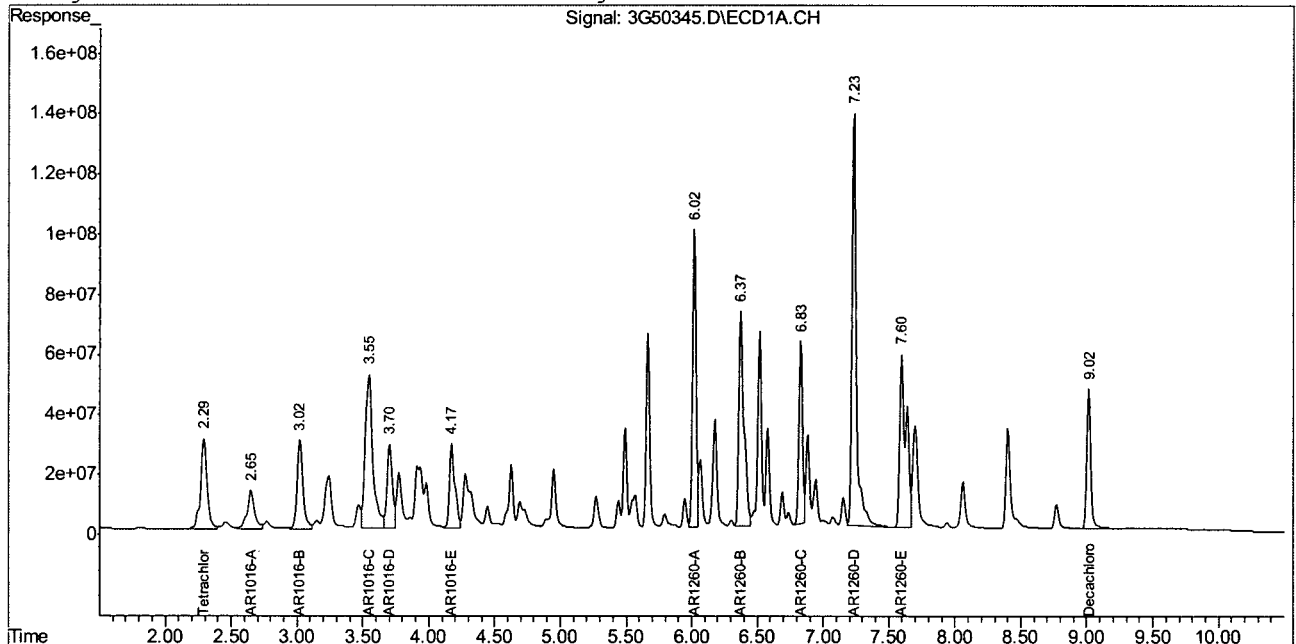
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50345.D PCB1826.M Wed Oct 27 11:49:33 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD1A.CH Vial: 69
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD2B.CH
Acq On : 27 Oct 2010 11:30 am Operator: toyar
Sample : cc1826-1000 Inst : GC3G
Misc : OP46256,g3g1852,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 11:48 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 15:14:51 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.35 10

Manual Integration Approval Summary

Sample Number: G3G1852-CC1826 **Method:** SW846 8082
Lab FileID: 3G50345.D **Analyst approved:** 10/27/10 16:44 Toya Dagena Raffington
Injection Time: 10/27/10 11:30 **Supervisor approved:** 10/27/10 17:15 Jessica Reitan-Chu

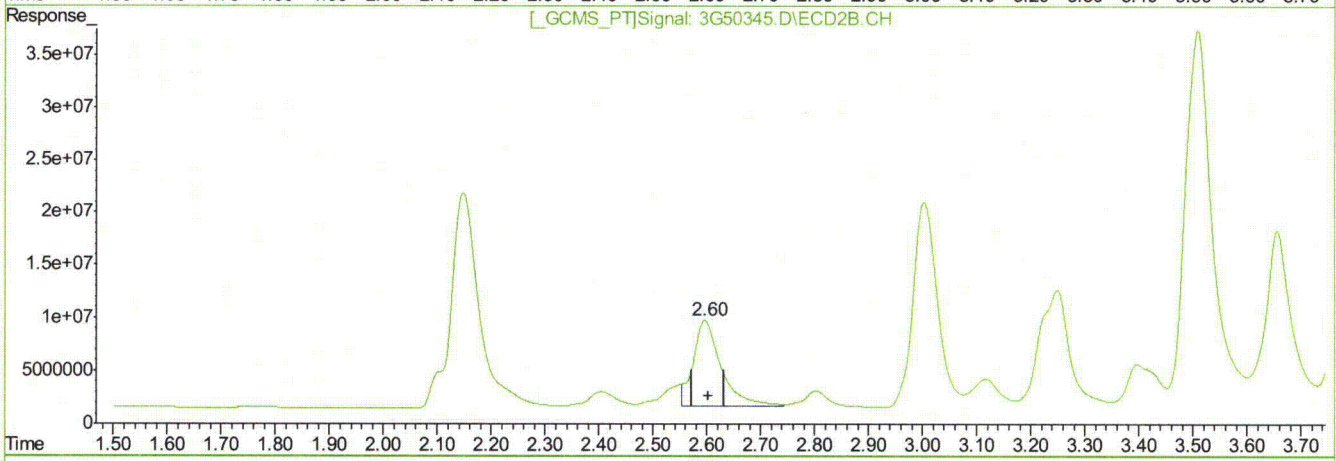
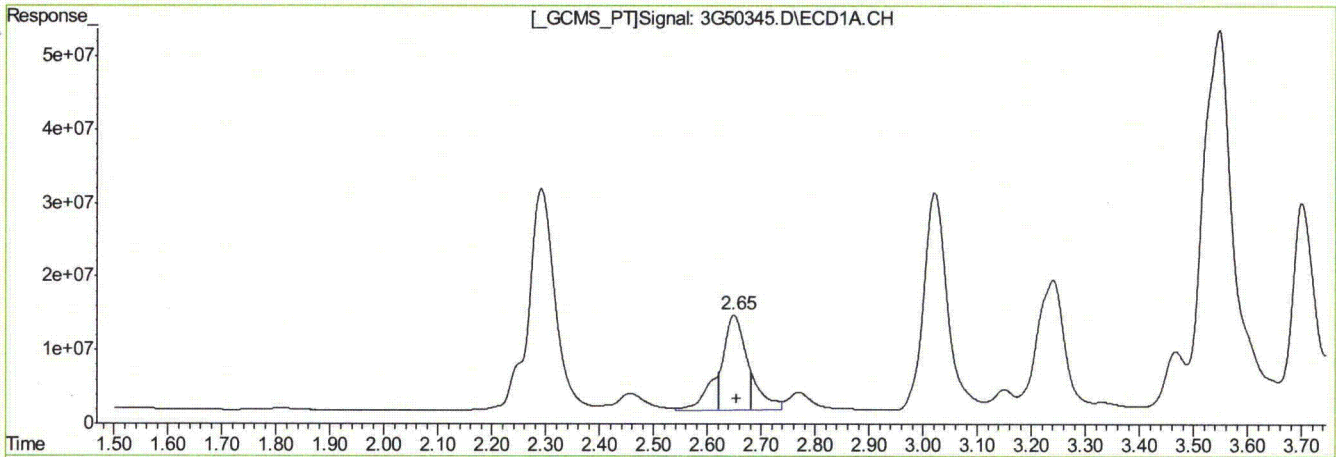
Parameter	CAS	Sig#	R. T. (min.)	Reason
AR1016-A		2	2.60	Poorly defined baseline

10.6.35.1
10

Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD1A.CH Vial: 69
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50345.D\ECD2B.CH
 Acq On : 27 Oct 2010 11:30 am Operator: toyar
 Sample : cc1826-1000 Inst : GC3G
 Misc : OP46256,g3g1852,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 11:47 2010 Quant Results File: PCB1826.RES

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Tue Oct 26 15:14:51 2010
 Response via : Multiple Level Calibration



QEdit

(30) AR1016-A
 2.65min 1024.986PPB
 response 494675348

(30) AR1016-A #2
 2.60min 970.225PPB m
 response 292494154

(+) = Expected Retention Time
 3G50345.D PCB1826.M Wed Oct 27 11:48:14 2010 GC3G

10.6.35.2 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50356.D\ECD1A.CH Vial: 80
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50356.D\ECD2B.CH
 Acq On : 10-27-2010 03:47:51 PM Operator: toyar
 Sample : cc1826-500 Inst : GC3G
 Misc : OP46353,g3g1852,17.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 27 16:21:14 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 27 15:32:54 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	486.7E6	352.1E6	19.423	19.095
Spiked Amount	40.000		Recovery	=	48.56%	47.74%
50) S Decachlorobiphen	9.02	9.23	392.2E6	243.4E6	16.596	17.810
Spiked Amount	40.000		Recovery	=	41.49%	44.52%
Target Compounds						
30) AR1016-A	2.66	2.60	228.2E6	148.5E6	472.886	492.740
31) AR1016-B	3.03	3.01	423.1E6	288.8E6	488.831	486.707
32) AR1016-C	3.55	3.52	964.0E6	588.0E6	481.111	477.929
33) AR1016-D	3.71	3.66	362.0E6	269.2E6	480.627	496.514
34) AR1016-E	4.18	4.19	378.6E6	173.9E6	494.160	471.090
35) AR1260-A	6.03	6.02	800.2E6	438.9E6	454.890	500.370
36) AR1260-B	6.38	6.45	866.1E6	571.3E6	463.844	479.526
37) AR1260-C	6.84	6.94	523.2E6	330.1E6	457.831	469.183
38) AR1260-D	7.24	7.27	1462.8E6	744.9E6	510.893	470.352
39) AR1260-E	7.60	7.73	863.5E6	486.6E6	461.956	454.658

10.6.36 10

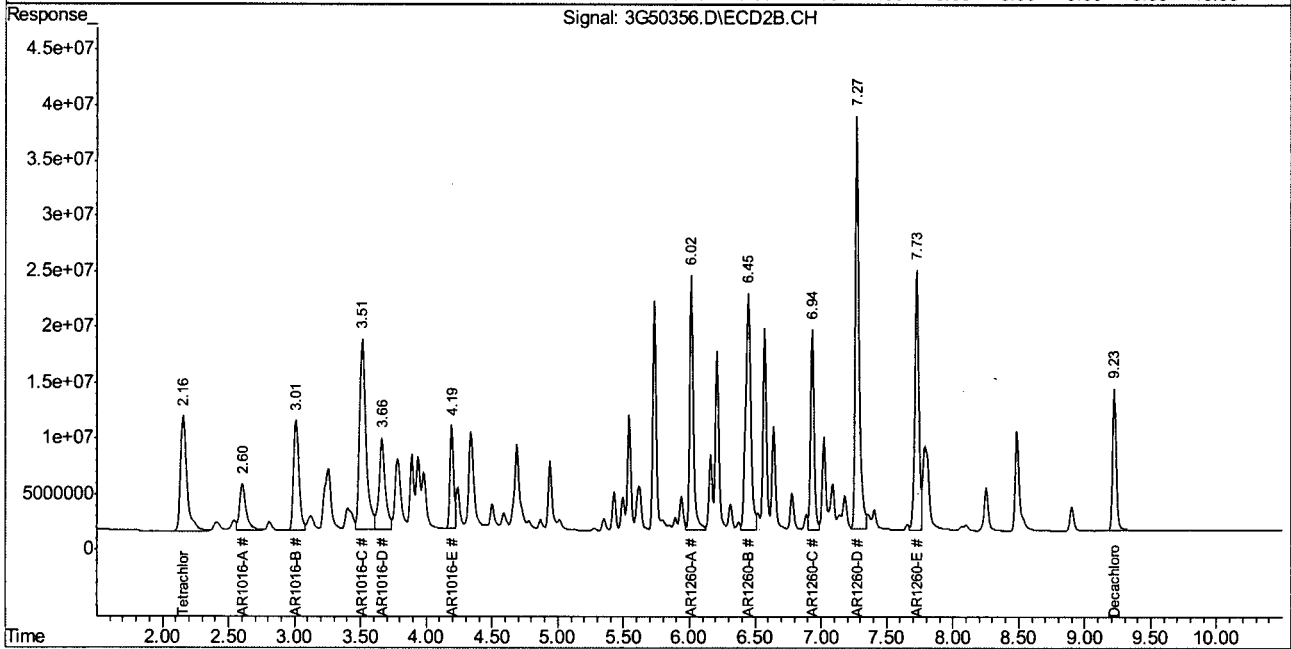
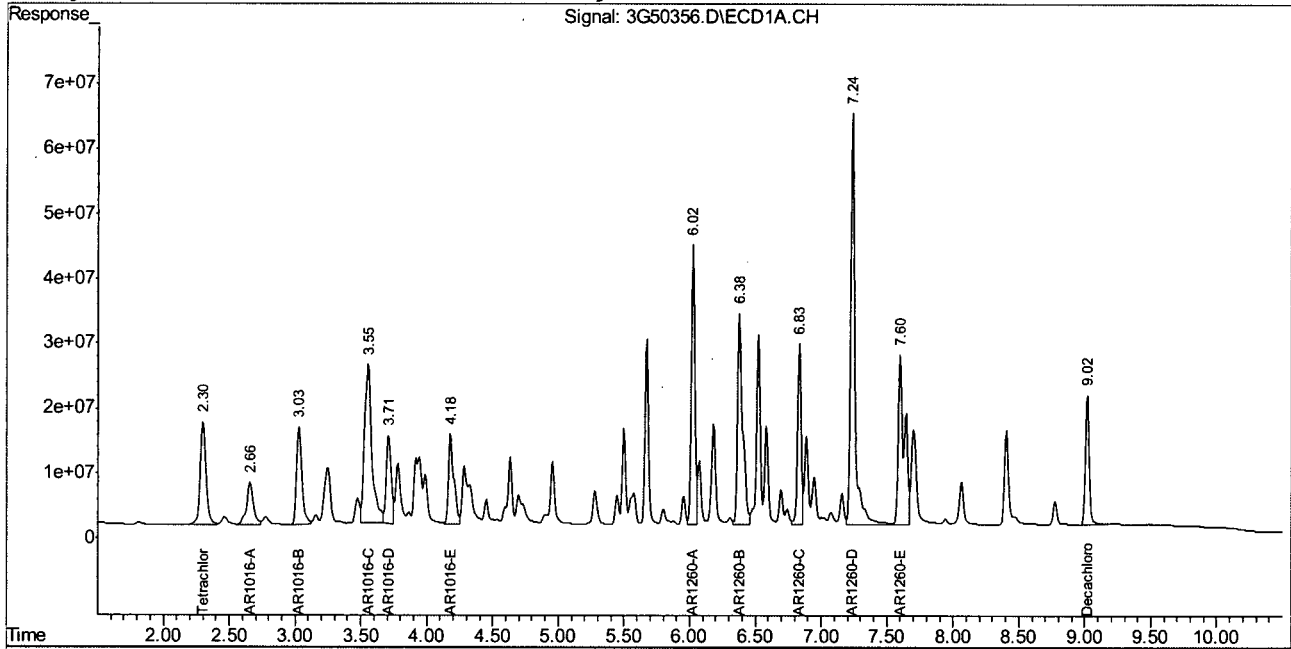
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50356.D PCB1826.M Wed Oct 27 16:21:41 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50356.D\ECD1A.CH Vial: 80
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50356.D\ECD2B.CH
Acq On : 10-27-2010 03:47:51 PM Operator: toyar
Sample : cc1826-500 Inst : GC3G
Misc : OP46353,g3g1852,17.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 27 16:21 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 27 15:32:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.36 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50376.D\ECD1A.CH Vial: 20
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50376.D\ECD2B.CH
 Acq On : 27 Oct 2010 10:19 pm Operator: toyar
 Sample : CC1826-500 Inst : GC3G
 Misc : OP46361,g3g1852,910,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 28 09:05:49 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 27 15:32:54 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	451.4E6	348.4E6	18.016	18.894
Spiked Amount	40.000		Recovery	=	45.04%	47.23%
50) S Decachlorobiphen	9.02	9.23	465.0E6	277.4E6	19.678	20.299
Spiked Amount	40.000		Recovery	=	49.20%	50.75%
Target Compounds						
30) AR1016-A	2.66	2.60	221.7E6	148.0E6	459.404	490.887
31) AR1016-B	3.03	3.01	412.5E6	283.8E6	476.525	478.324
32) AR1016-C	3.55	3.52	933.3E6	563.4E6	465.819	457.889
33) AR1016-D	3.71	3.66	356.5E6	279.5E6	473.313	515.622
34) AR1016-E	4.18	4.19	383.6E6	174.3E6	500.708	472.292
35) AR1260-A	6.03	6.02	885.2E6	406.9E6	503.246	463.914
36) AR1260-B	6.38	6.45	861.8E6	614.2E6	461.515	515.507
37) AR1260-C	6.84	6.94	578.9E6	362.3E6	506.582	514.964
38) AR1260-D	7.24	7.28	1694.6E6	841.6E6	591.858	531.384
39) AR1260-E	7.61	7.73	967.4E6	503.8E6	517.568	470.697

10.6.37 10

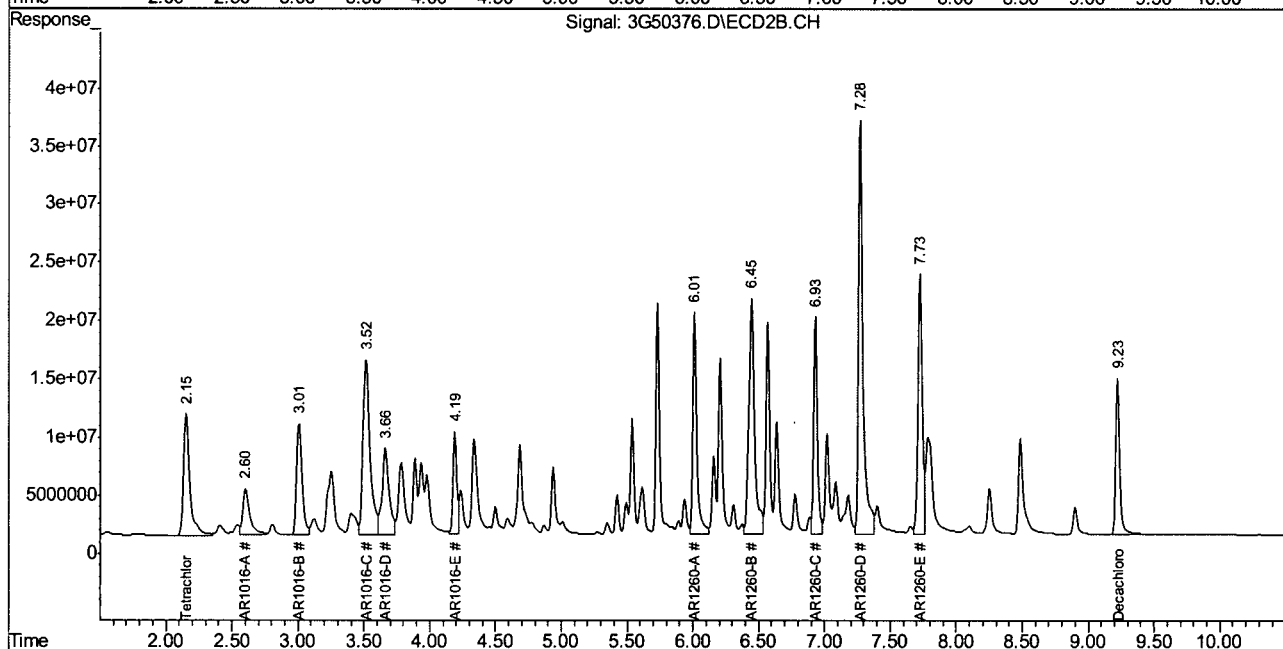
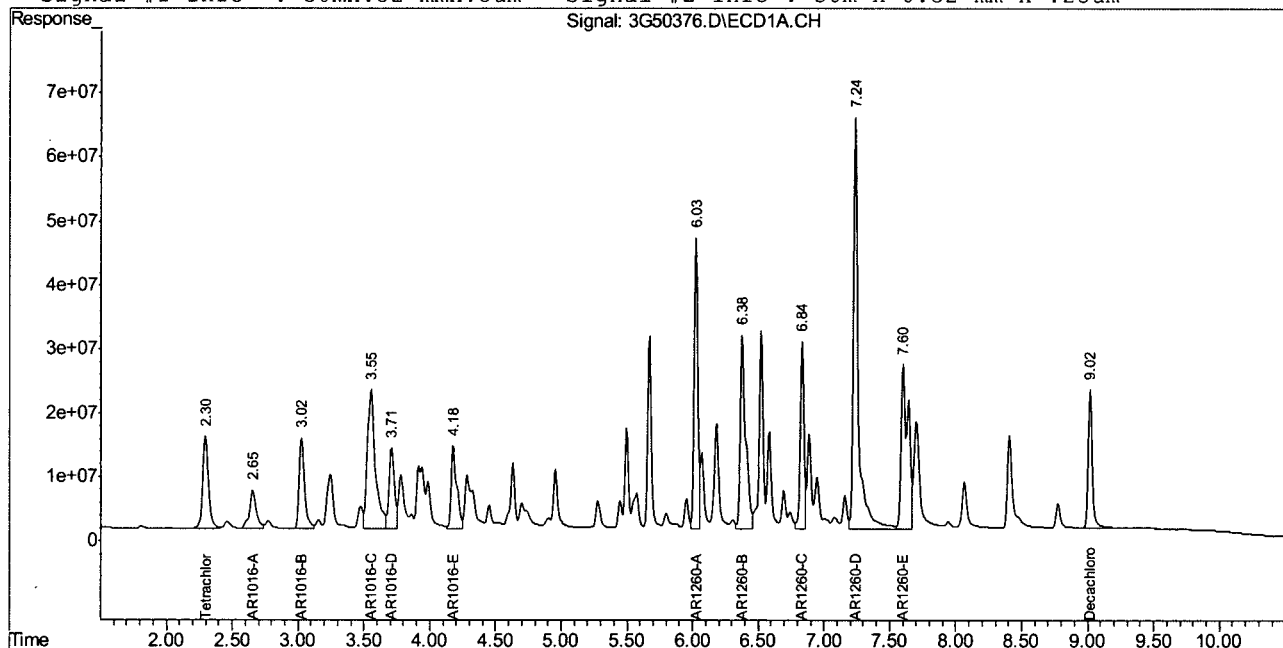
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50376.D PCB1826.M Thu Oct 28 09:06:15 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50376.D\ECD1A.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50376.D\ECD2B.CH
Acq On : 27 Oct 2010 10:19 pm Operator: toyar
Sample : CC1826-500 Inst : GC3G
Misc : OP46361,g3g1852,910,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 28 9:06 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 27 15:32:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.37
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50387.D\ECD1A.CH Vial: 31
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50387.D\ECD2B.CH
 Acq On : 10-28-2010 01:35:50 AM Operator: toyar
 Sample : ECC1826-1000 Inst : GC3G
 Misc : OP46353,g3g1852,17.3,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 28 09:09:32 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 27 15:32:54 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	895.1E6	713.7E6	35.723	38.705
Spiked Amount	40.000		Recovery	=	89.31%	96.76%
50) S Decachlorobiphen	9.02	9.23	956.8E6	567.3E6	40.486	41.507
Spiked Amount	40.000		Recovery	=	101.21%	103.77%
Target Compounds						
30) AR1016-A	2.66	2.60	431.4E6	290.6E6	893.821	963.856
31) AR1016-B	3.03	3.01	812.5E6	566.8E6	938.675	955.410
32) AR1016-C	3.55	3.52	1876.1E6	1156.0E6	936.330	939.532
33) AR1016-D	3.71	3.66	707.6E6	555.4E6	939.618	1024.583
34) AR1016-E	4.18	4.19	752.2E6	349.4E6	981.881	946.764
35) AR1260-A	6.03	6.01	1760.7E6	909.0E6	1000.964	1036.291
36) AR1260-B	6.38	6.45	1919.6E6	1246.5E6	1028.026	1046.299
37) AR1260-C	6.84	6.93	1144.4E6	738.4E6	1001.421	1049.633
38) AR1260-D	7.24	7.28	3318.3E6	1711.2E6	1158.932	1080.495
39) AR1260-E	7.61	7.73	1918.2E6	1012.1E6	1026.194	945.683

10.6.38 10

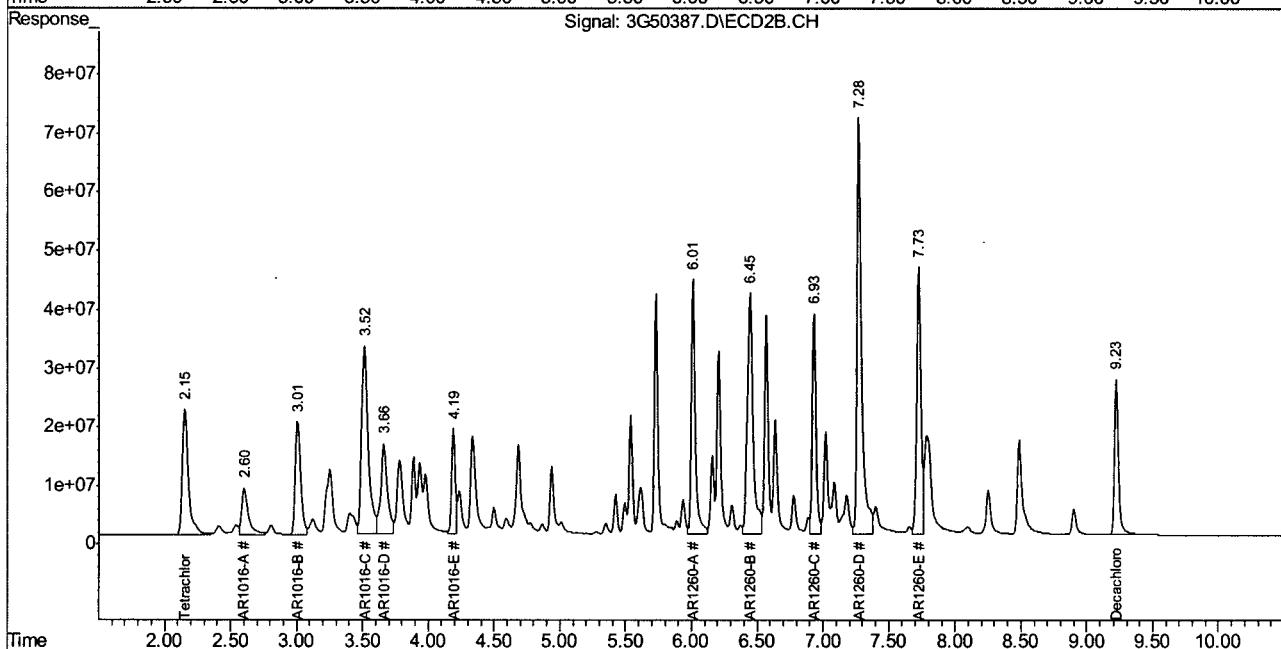
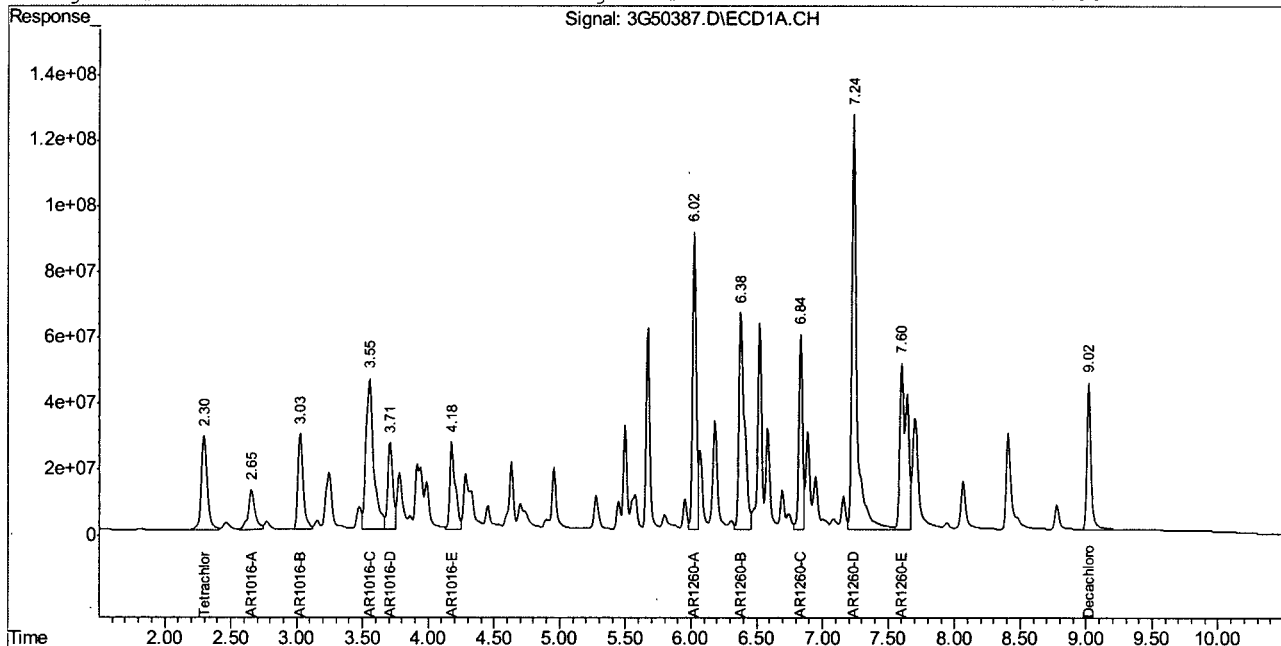
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50387.D PCB1826.M Thu Oct 28 09:10:12 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50387.D\ECD1A.CH Vial: 31
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50387.D\ECD2B.CH
Acq On : 10-28-2010 01:35:50 AM Operator: toyar
Sample : ECC1826-1000 Inst : GC3G
Misc : OP46353,g3g1852,17.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 28 9:09 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 27 15:32:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



10.6.38 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68323.D\ECD1A.CH Vial: 3
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68323.D\ECD2B.CH
 Acq On : 11-2-10 01:43:41 PM Operator: annaz
 Sample : ic2389-1000 1221 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 08:59:05 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	835.1E6	328.4E6	40.049	48.125
Spiked Amount	40.000		Recovery	=	100.12%	120.31%
52) S Decachlorobiphen	13.18	13.04	731.7E6	503.0E6	38.451	47.357
Spiked Amount	40.000		Recovery	=	96.13%	118.39%
Target Compounds						
2) AR1221-A	4.35	4.65	44213343	14363874	1022.465	1044.555
3) AR1221-B	2.74	2.84	183.0E6	62272152	945.791	1056.896
4) AR1221-C	2.86	3.05	112.8E6	43026484	950.000	1066.101
5) AR1221-D	2.94	3.13	411.3E6	163.5E6	934.635	1054.375
6) AR1221-E	4.22	4.43	80895227	28313496	970.463	1084.272

10.6.39 10

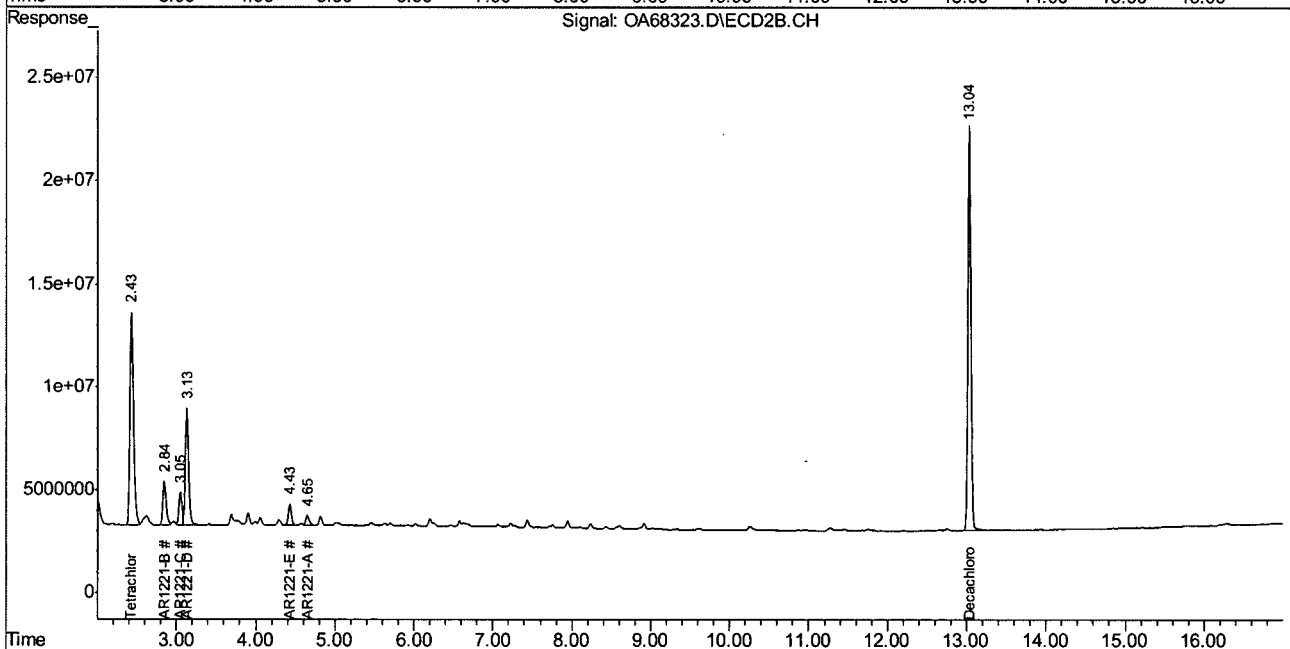
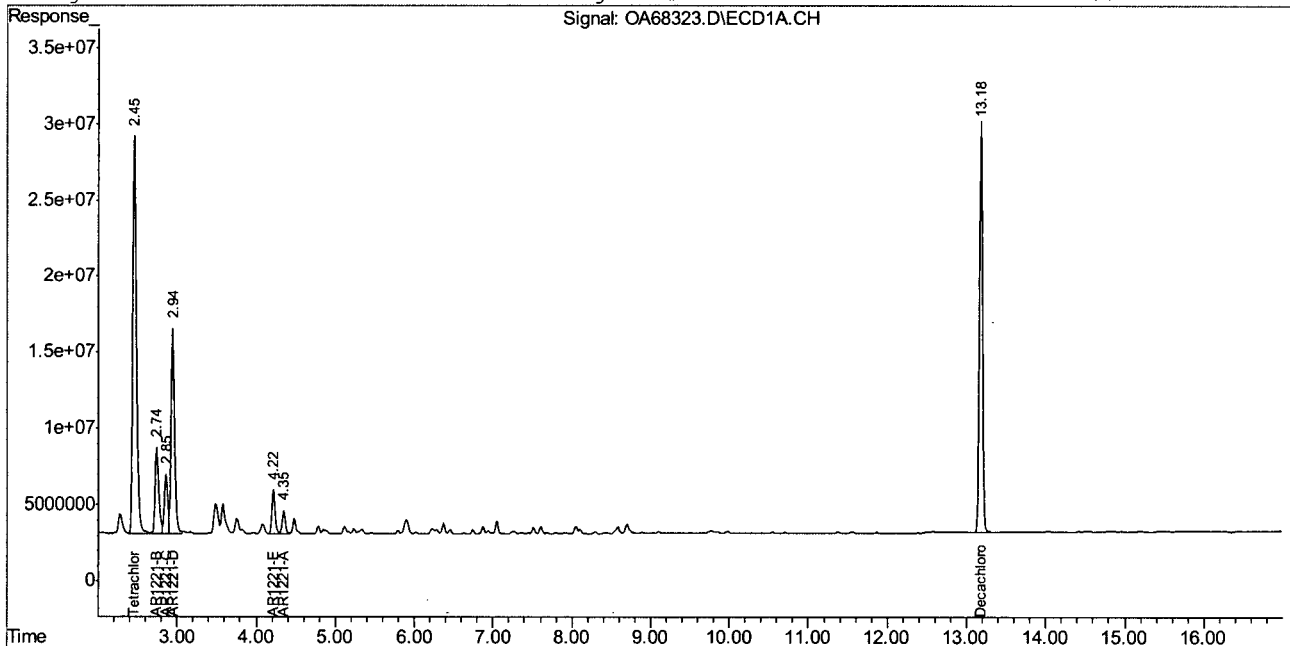
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68323.D PCB2389.M Wed Nov 03 09:34:00 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68323.D\ECD1A.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68323.D\ECD2B.CH
Acq On : 11-2-10 01:43:41 PM Operator: annaz
Sample : ic2389-1000 1221 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 3 8:59 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Oct 26 10:31:32 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.39 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68324.D\ECD1A.CH Vial: 4
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68324.D\ECD2B.CH
 Acq On : 11-2-10 02:03:10 PM Operator: annaz
 Sample : ic2389-1000 1232 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 09:03:40 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	672.3E6	261.3E6	32.244	38.299
Spiked Amount	40.000		Recovery	=	80.61%	95.75%
52) S Decachlorobiphen	13.18	13.04	579.7E6	396.4E6	30.466	37.318
Spiked Amount	40.000		Recovery	=	76.17%	93.29%
Target Compounds						
7) AR1232-A	2.94	3.13	384.2E6	150.7E6	914.977	1034.726
8) AR1232-B	3.49	3.69	303.4E6	92921153	904.751	1049.104
9) AR1232-C	4.22	4.43	589.3E6	221.1E6	905.085	1029.009
10) AR1232-D	4.35	4.65	254.3E6	102.1E6	930.780	1050.685
11) AR1232-E	5.12	5.46	173.7E6	85676614	914.012	1033.859
12) AR1232-F	5.91	6.25	375.9E6	79368550	916.203	1042.443

10.6.40
10

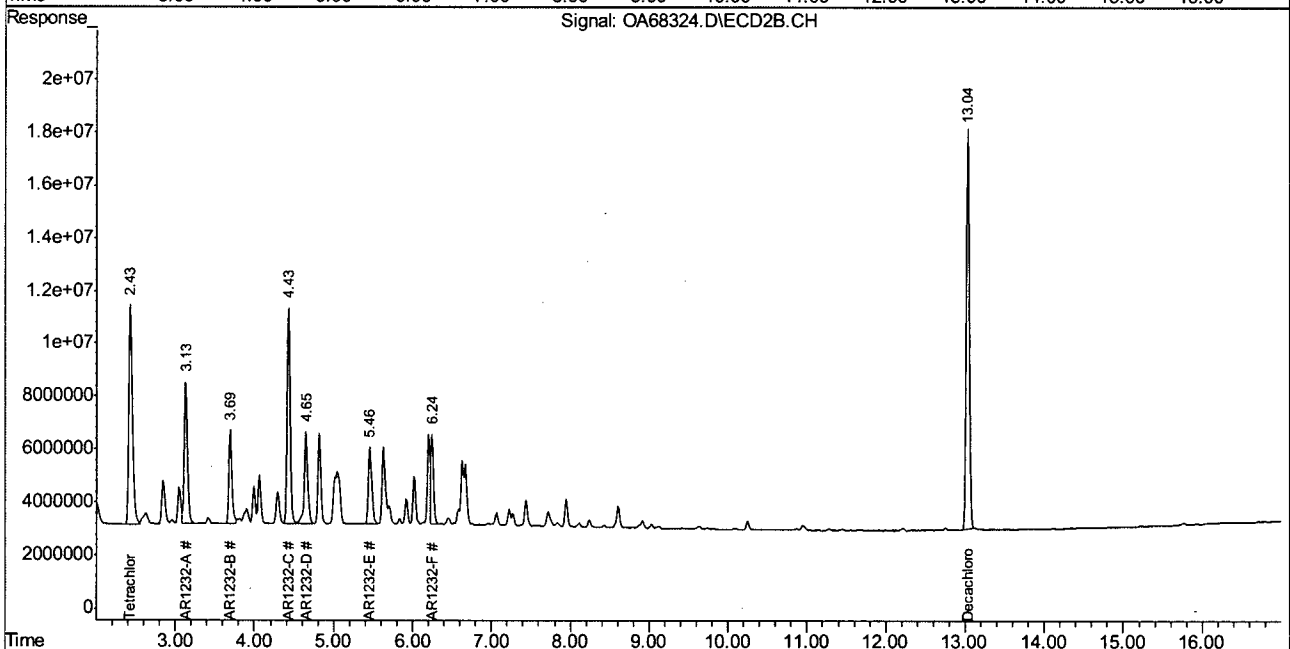
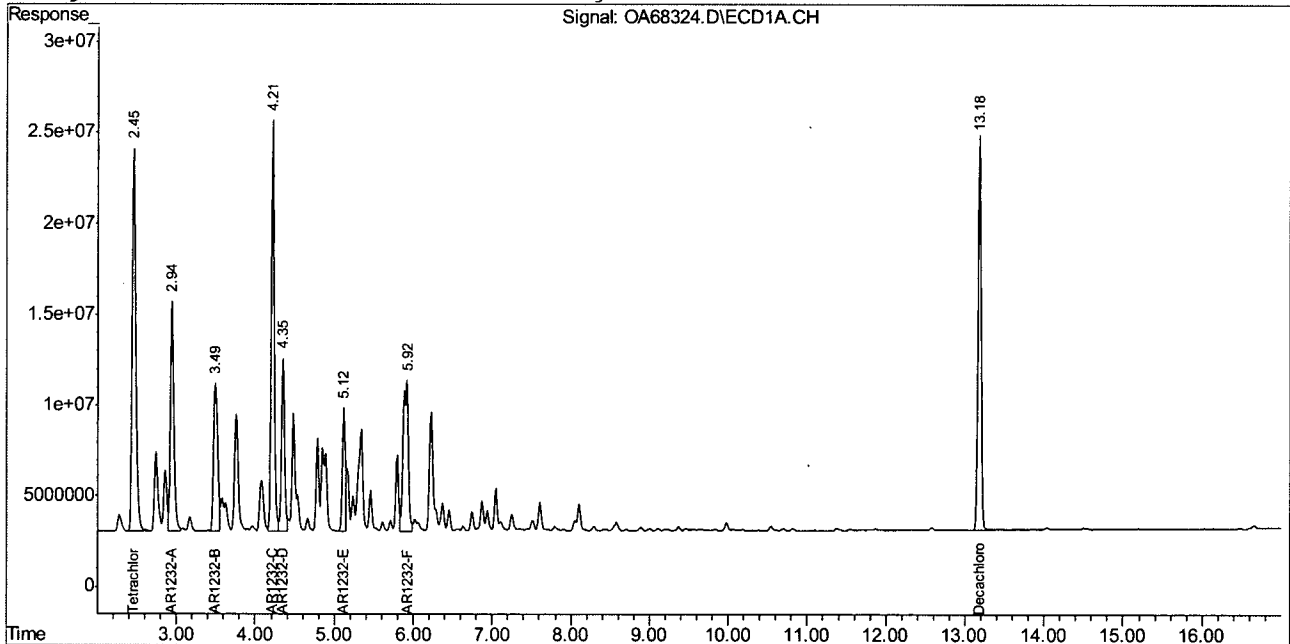
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68324.D PCB2389.M Wed Nov 03 09:34:14 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68324.D\ECD1A.CH Vial: 4
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68324.D\ECD2B.CH
 Acq On : 11-2-10 02:03:10 PM Operator: annaz
 Sample : ic2389-1000 1232 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:04 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.40 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68325.D\ECD1A.CH Vial: 5
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68325.D\ECD2B.CH
 Acq On : 11-2-10 02:22:40 PM Operator: annaz
 Sample : ic2389-1000 1242 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 14:39:49 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	726.2E6	282.5E6	34.829	41.396
Spiked Amount	40.000		Recovery	=	87.07%	103.49%
52) S Decachlorobiphen	13.18	13.04	640.8E6	442.1E6	33.679	41.620
Spiked Amount	40.000		Recovery	=	84.20%	104.05%
Target Compounds						
13) AR1242-A	3.49	3.69	506.9E6	160.7E6	892.750	1066.574
14) AR1242-B	4.21	4.43	1045.7E6	394.9E6	888.182	1051.893
15) AR1242-C	4.35	4.65	435.3E6	179.0E6	900.307	1066.746
16) AR1242-D	4.48	4.82	282.9E6	147.2E6	903.085	1058.040
17) AR1242-E	5.34	5.63	427.0E6	195.8E6	901.833	1070.640
18) AR1242-F	5.91	6.25	737.6E6	157.6E6	874.361	1064.568

10.6.41
10

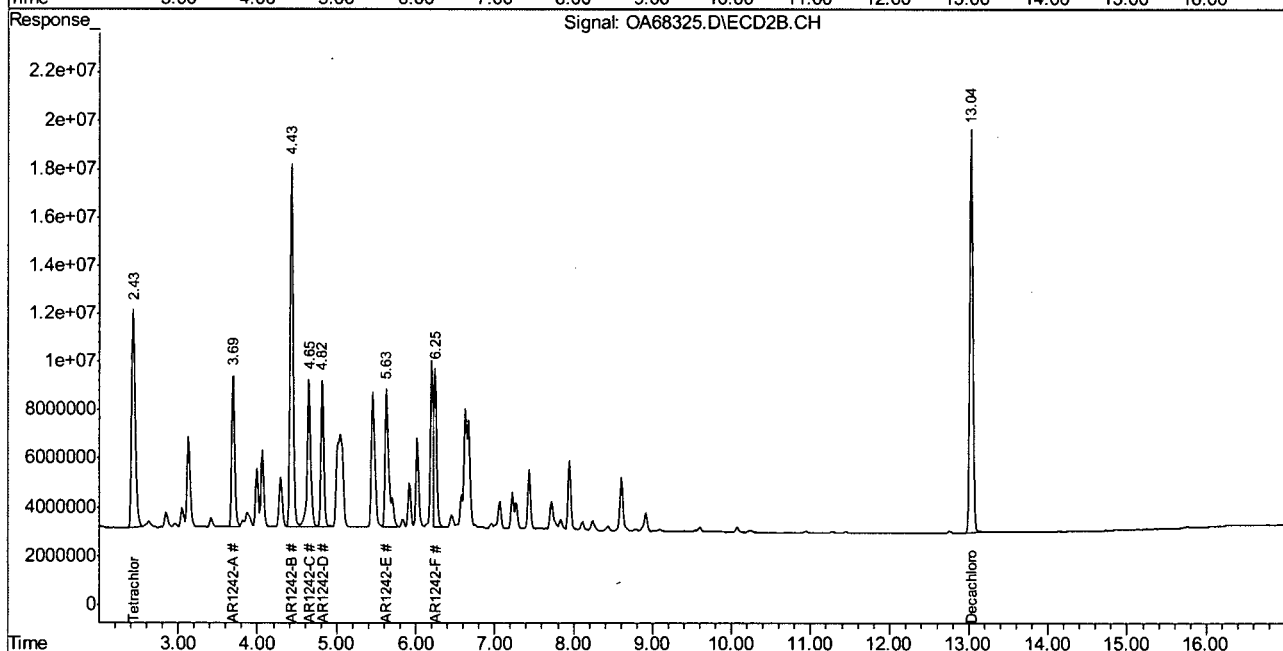
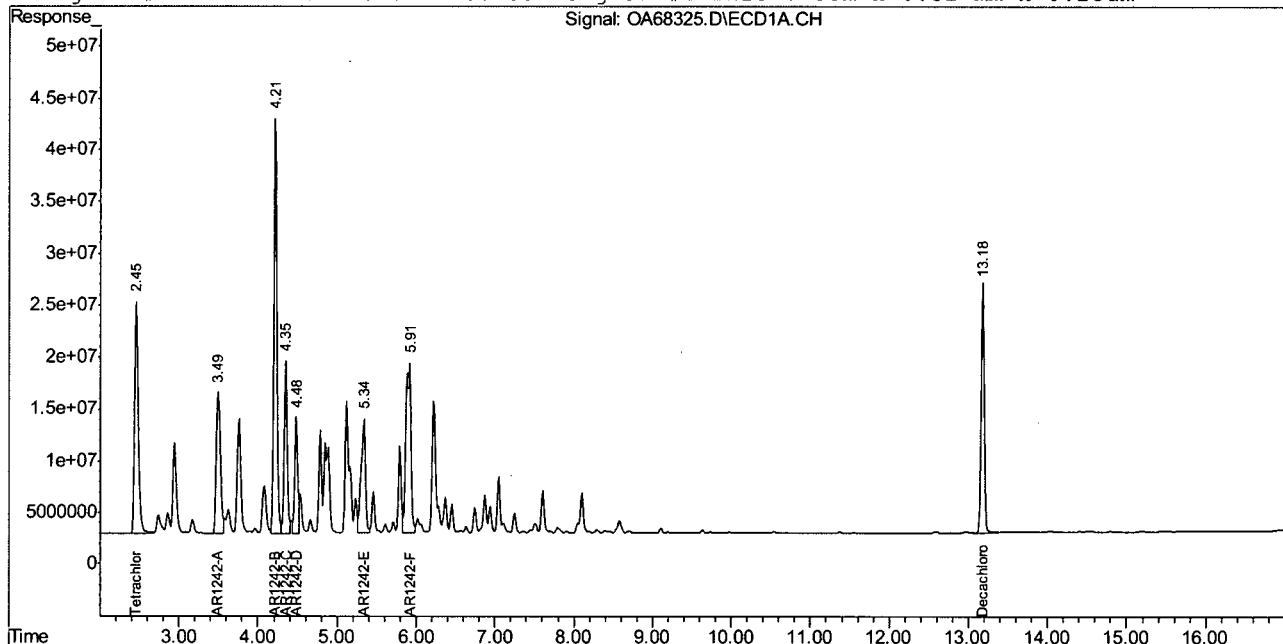
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68325.D PCB2389.M Wed Nov 03 09:34:31 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68325.D\ECD1A.CH Vial: 5
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68325.D\ECD2B.CH
 Acq On : 11-2-10 02:22:40 PM Operator: annaz
 Sample : ic2389-1000 1242 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:05 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.41
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68326.D\ECD1A.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68326.D\ECD2B.CH
Acq On : 11-2-10 02:42:09 PM Operator: annaz
Sample : ic2389-1000 1248 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 02 14:59:14 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Oct 26 10:31:32 2010
Response via : Initial Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. It lists System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1248-A through F) with their respective retention times and response values.

10.6.42 10

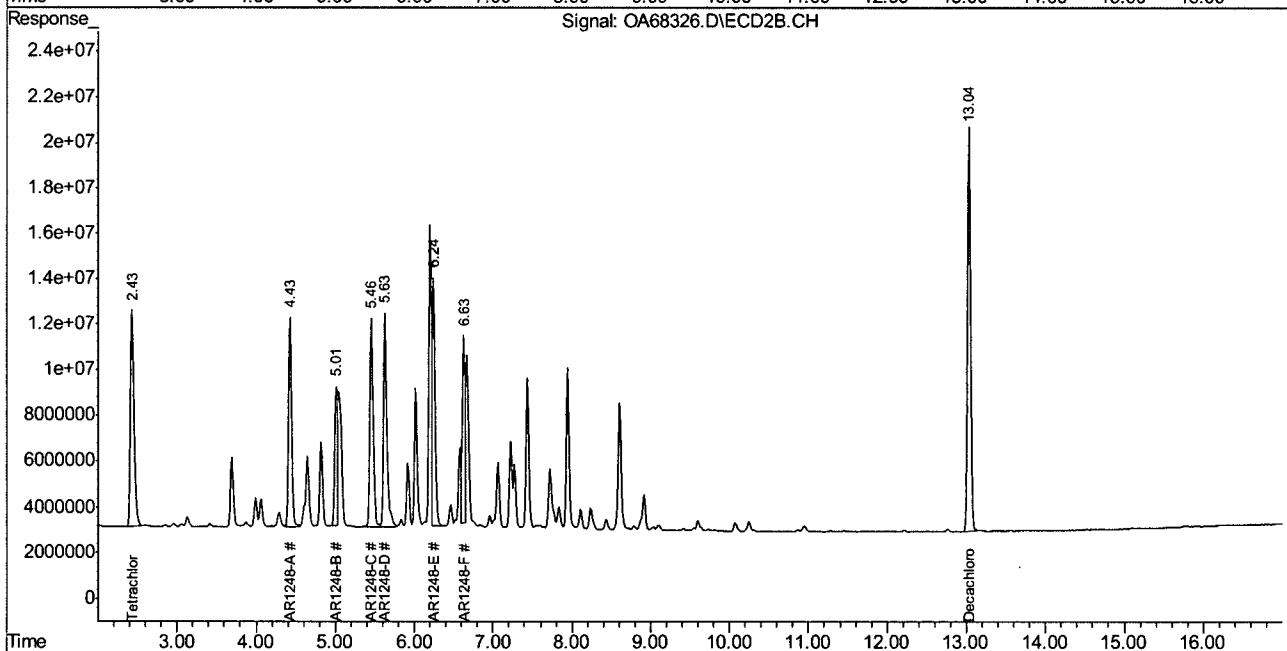
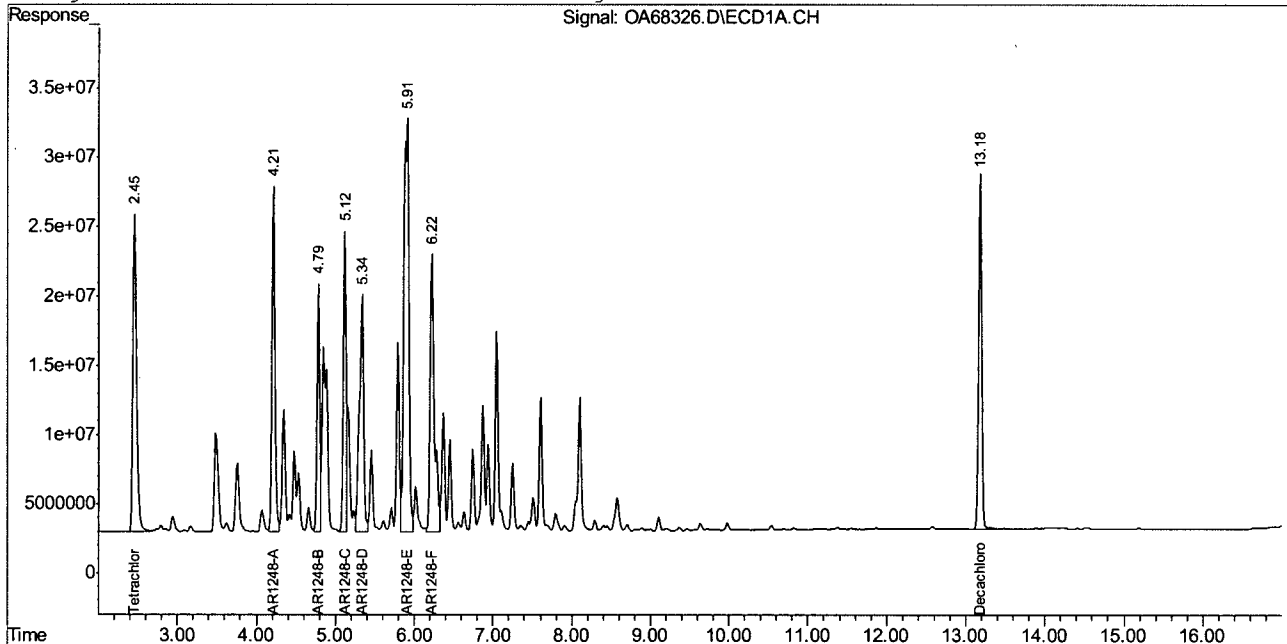
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68326.D PCB2389.M Wed Nov 03 09:34:45 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68326.D\ECD1A.CH Vial: 6
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68326.D\ECD2B.CH
 Acq On : 11-2-10 02:42:09 PM Operator: annaz
 Sample : ic2389-1000 1248 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:06 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.42
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68327.D\ECD1A.CH Vial: 7
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68327.D\ECD2B.CH
 Acq On : 11-2-10 03:01:39 PM Operator: annaz
 Sample : ic2389-1000 1254 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 15:18:48 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	717.8E6	293.1E6	34.426	42.949
Spiked Amount	40.000		Recovery	=	86.06%	107.37%
52) S Decachlorobiphen	13.18	13.04	657.9E6	457.1E6	34.575	43.031
Spiked Amount	40.000		Recovery	=	86.44%	107.58%
Target Compounds						
25) AR1254-A	5.90	6.20	876.0E6	358.7E6	877.947	1047.516
26) AR1254-B	6.37	6.58	656.4E6	267.8E6	876.343	1040.323
27) AR1254-C	6.87	7.22	583.8E6	228.2E6	887.827	1038.917
28) AR1254-D	7.05	7.44	1029.2E6	497.4E6	871.777	1038.140
29) AR1254-E	7.60	7.95	714.7E6	527.4E6	867.530	1037.420
30) AR1254-F	8.05	8.24	671.4E6	315.5E6	878.971	1040.838
31) AR1254-G	8.58	8.92	1046.7E6	625.4E6	864.931	1037.323

10.6.43
10

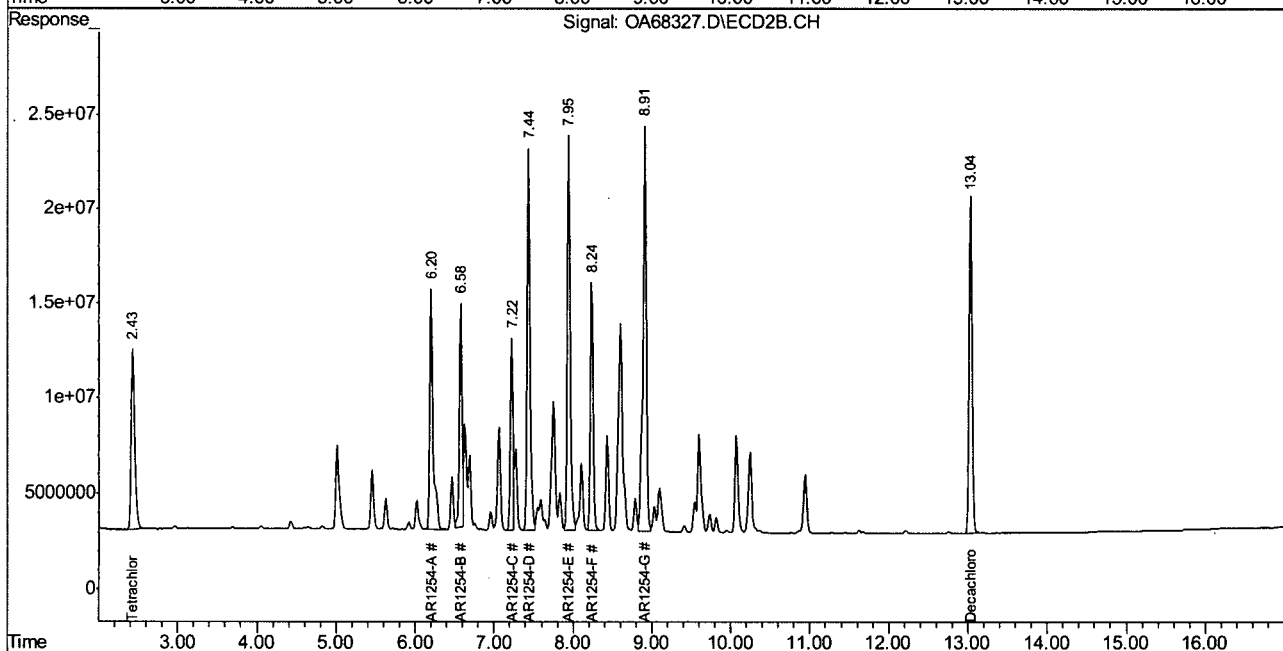
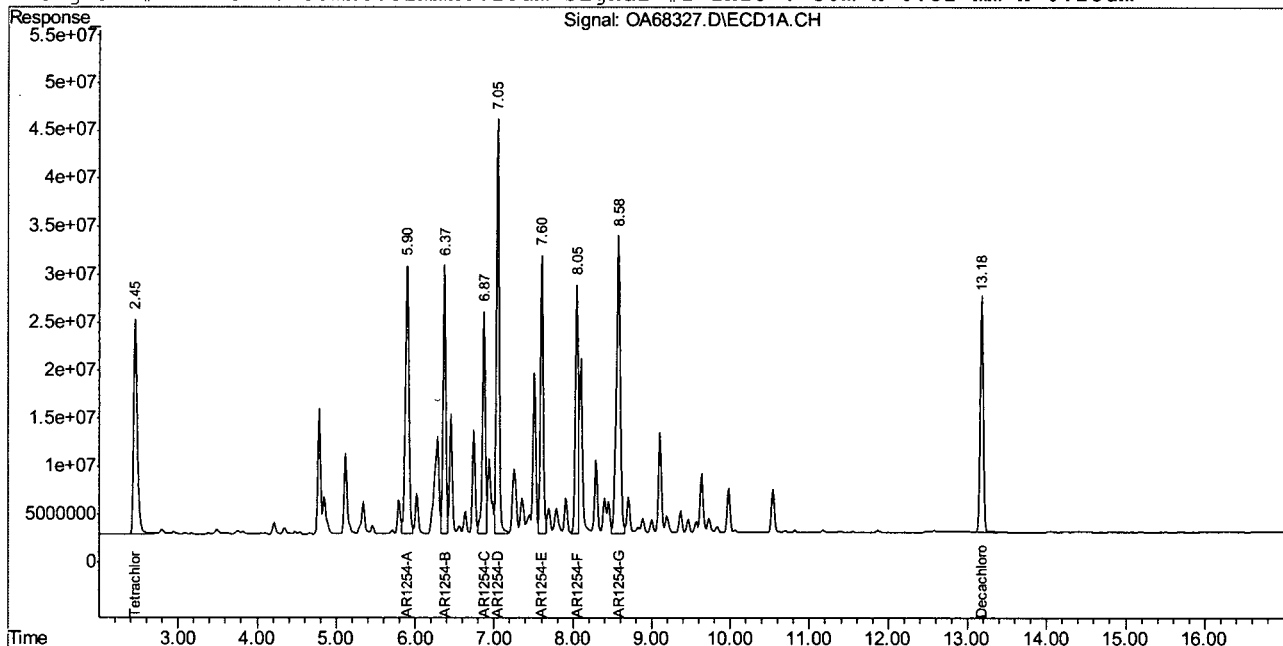
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68327.D PCB2389.M Wed Nov 03 09:35:00 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68327.D\ECD1A.CH Vial: 7
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68327.D\ECD2B.CH
 Acq On : 11-2-10 03:01:39 PM Operator: annaz
 Sample : ic2389-1000 1254 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:08 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.43 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68328.D\ECD1A.CH Vial: 8
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68328.D\ECD2B.CH
 Acq On : 11-2-10 03:21:07 PM Operator: annaz
 Sample : ic2389-1000 1262 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 15:38:16 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	700.3E6	281.2E6	33.587	41.209
Spiked Amount	40.000		Recovery	=	83.97%	103.02%
52) S Decachlorobiphen	13.18	13.04	651.8E6	440.1E6	34.252	41.431
Spiked Amount	40.000		Recovery	=	85.63%	103.58%
Target Compounds						
42) AR1262-A	8.05	8.24	877.8E6	552.7E6	874.731	1042.034
43) AR1262-B	8.89	9.03	1052.7E6	950.8E6	872.528	1033.106
44) AR1262-C	9.98	10.25	2061.5E6	1914.8E6	861.147	1032.843
45) AR1262-D	10.82	10.96	902.6E6	1222.7E6	869.809	1029.726
46) AR1262-E	11.87	12.22	763.3E6	603.5E6	855.753	1037.545

10.6.44
10

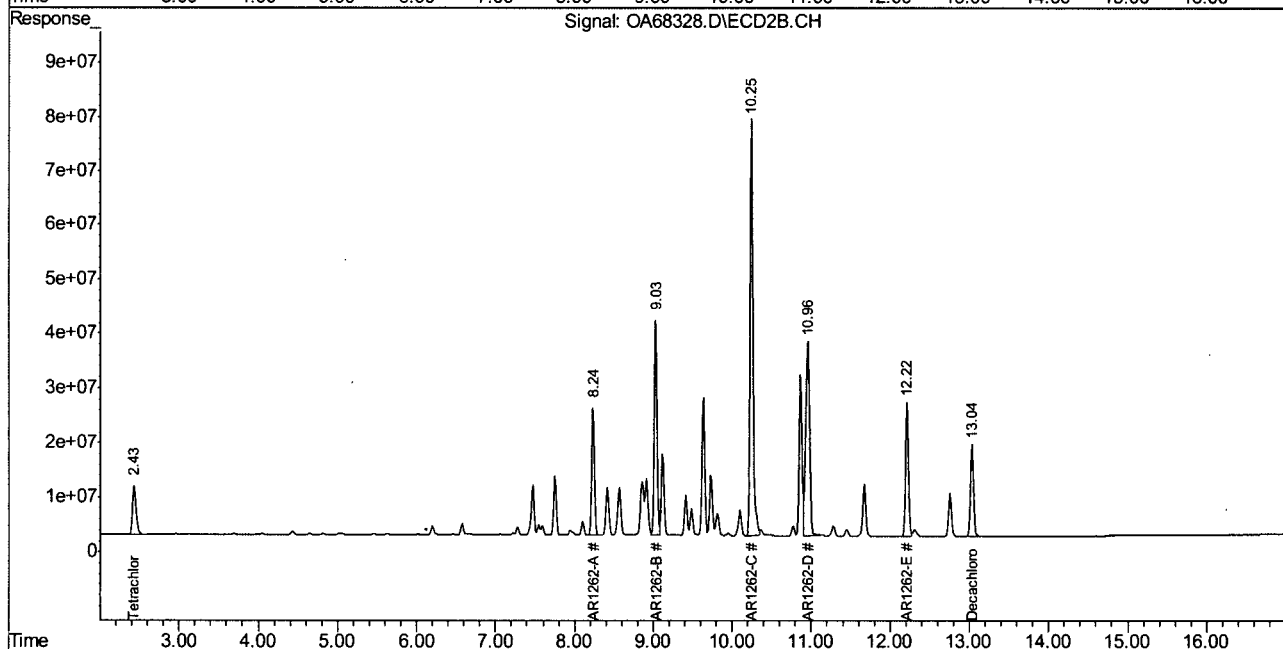
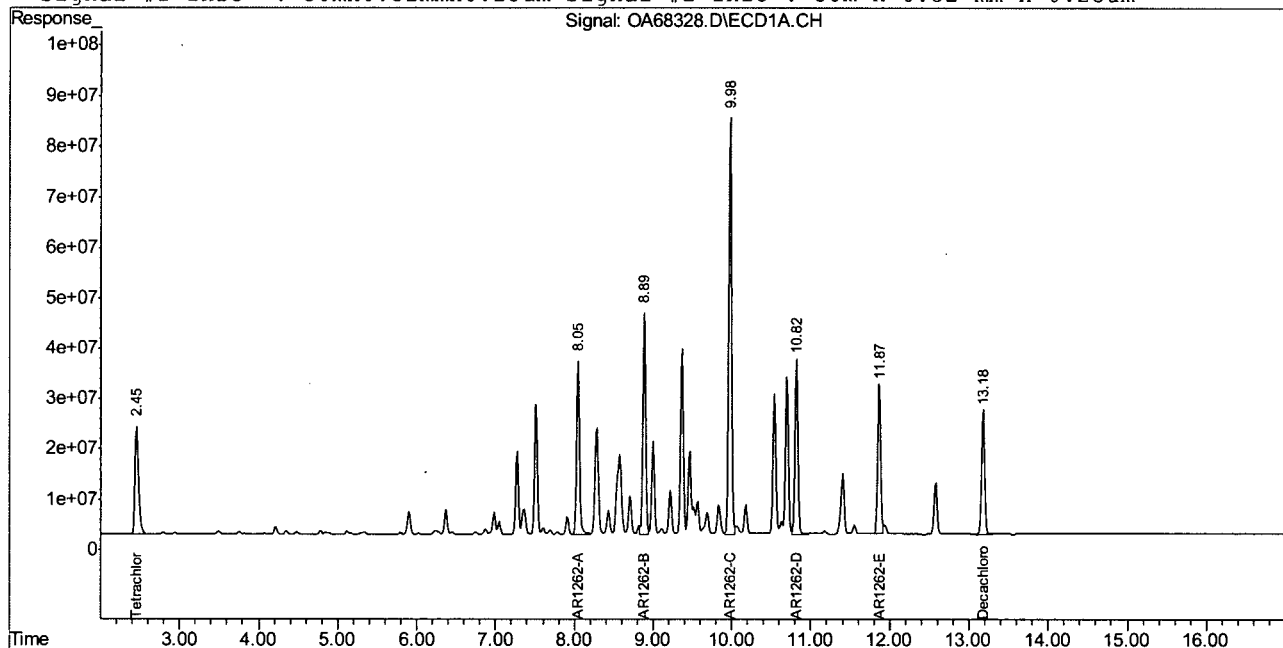
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68328.D PCB2389.M Wed Nov 03 09:35:15 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68328.D\ECD1A.CH Vial: 8
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68328.D\ECD2B.CH
 Acq On : 11-2-10 03:21:07 PM Operator: annaz
 Sample : ic2389-1000 1262 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:09 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.44
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68329.D\ECD1A.CH Vial: 9
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68329.D\ECD2B.CH
 Acq On : 11-2-10 03:40:42 PM Operator: annaz
 Sample : ic2389-1000 1268 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 15:58:06 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	727.5E6	287.6E6	34.889	42.149
Spiked Amount	40.000		Recovery	=	87.22%	105.37%
52) S Decachlorobiphen	13.18	13.04	1568.4E6	1102.0E6	82.426	103.746 #
Spiked Amount	40.000		Recovery	=	206.07%	259.36%
Target Compounds						
47) AR1268-A	10.70	10.87	2292.9E6	2079.2E6	853.130	1042.682
48) AR1268-B	10.82	10.97	2410.1E6	2021.5E6	858.864	1041.361
49) AR1268-C	11.38	11.28	1766.5E6	1522.0E6	850.119	1042.023
50) AR1268-D	11.87	12.22	746.0E6	586.5E6	850.623	1064.512 #
51) AR1268-E	12.58	12.76	5060.6E6	3927.0E6	841.495	1055.621 #

10.6.45 10

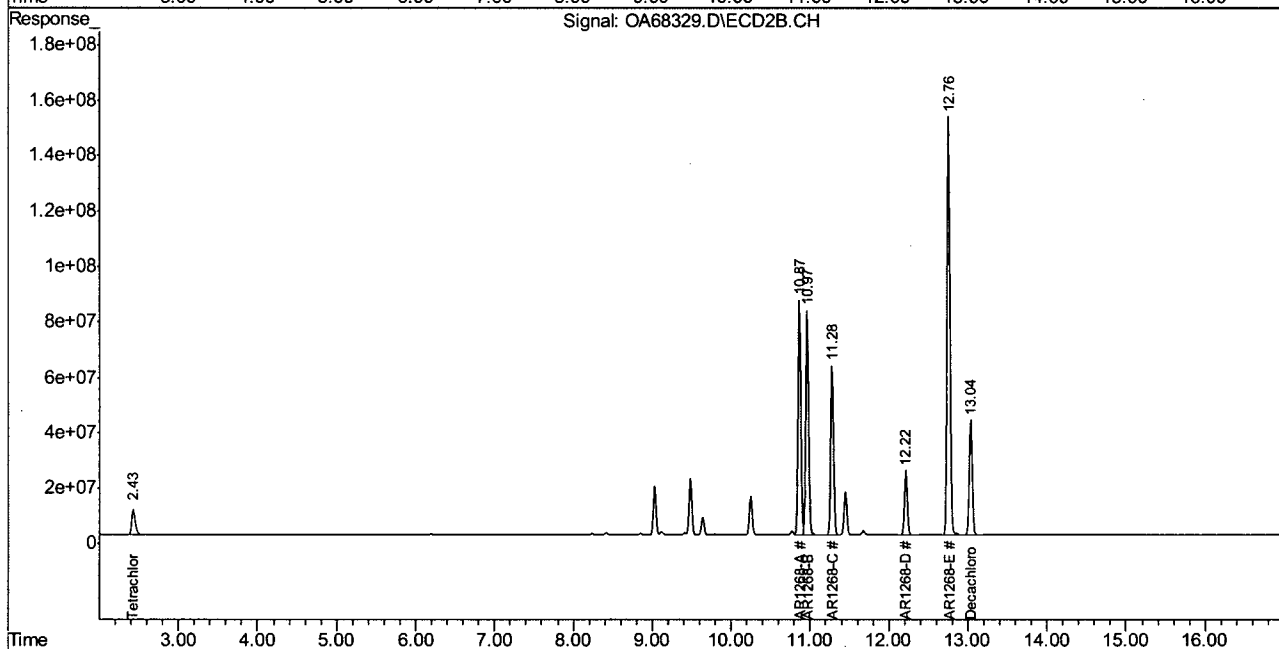
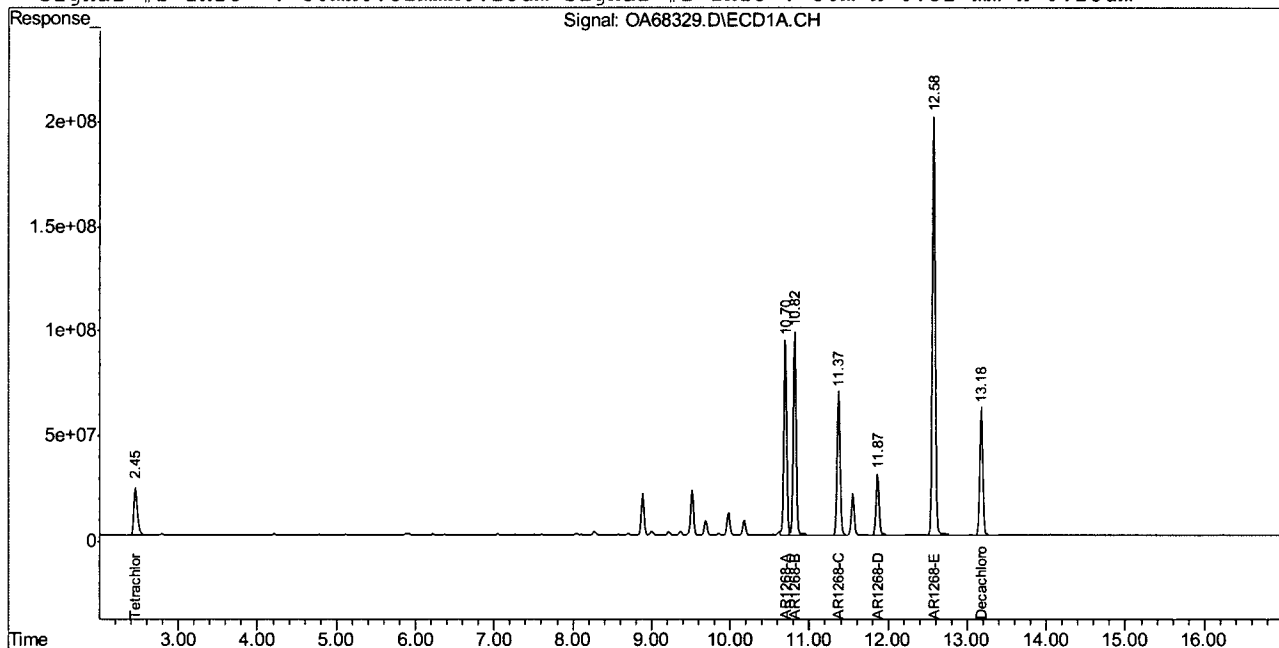
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68329.D PCB2389.M Wed Nov 03 09:35:33 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68329.D\ECD1A.CH Vial: 9
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68329.D\ECD2B.CH
 Acq On : 11-2-10 03:40:42 PM Operator: annaz
 Sample : ic2389-1000 1268 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:10 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.45
 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68330.D\ECD1A.CH Vial: 10
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68330.D\ECD2B.CH
 Acq On : 11-2-10 04:00:12 PM Operator: annaz
 Sample : ic2389-50 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 09:20:45 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	48285768	16371472	2.316	2.399
Spiked Amount	40.000		Recovery	=	5.79%	6.00%
52) S Decachlorobiphen	13.18	13.04	43202852	26690610	2.270	2.513
Spiked Amount	40.000		Recovery	=	5.67%	6.28%
Target Compounds						
32) AR1016-A	3.49	3.69	43971623	11392381	65.397	63.384
33) AR1016-B	4.22	4.43	80430101	28338196	57.270	63.084
34) AR1016-C	4.35	4.65	36176145	13128325	61.101	64.559
35) AR1016-D	5.12	5.46	27581552	12747274	61.967	67.490
36) AR1016-E	5.34	5.63	35684645	13252012	63.791	62.455
37) AR1260-A	8.05	8.24	78145524	40312589	57.966	61.257
38) AR1260-B	8.89	9.03	45650396	35862502	57.688	60.295
39) AR1260-C	9.37	9.64	47129650	27586503	57.331	59.089
40) AR1260-D	9.98	10.25	102.0E6	84631406	52.504	56.755
41) AR1260-E	10.54	10.95	56049296	56198077	55.360	57.707

10.6.46
10

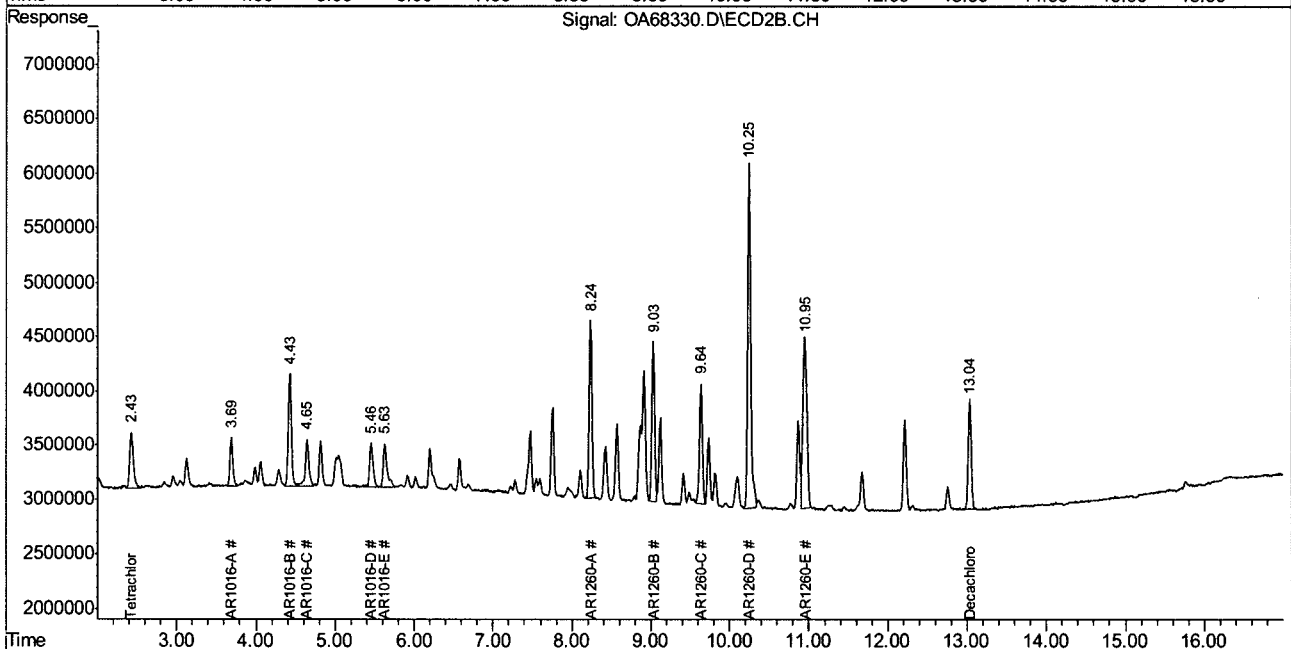
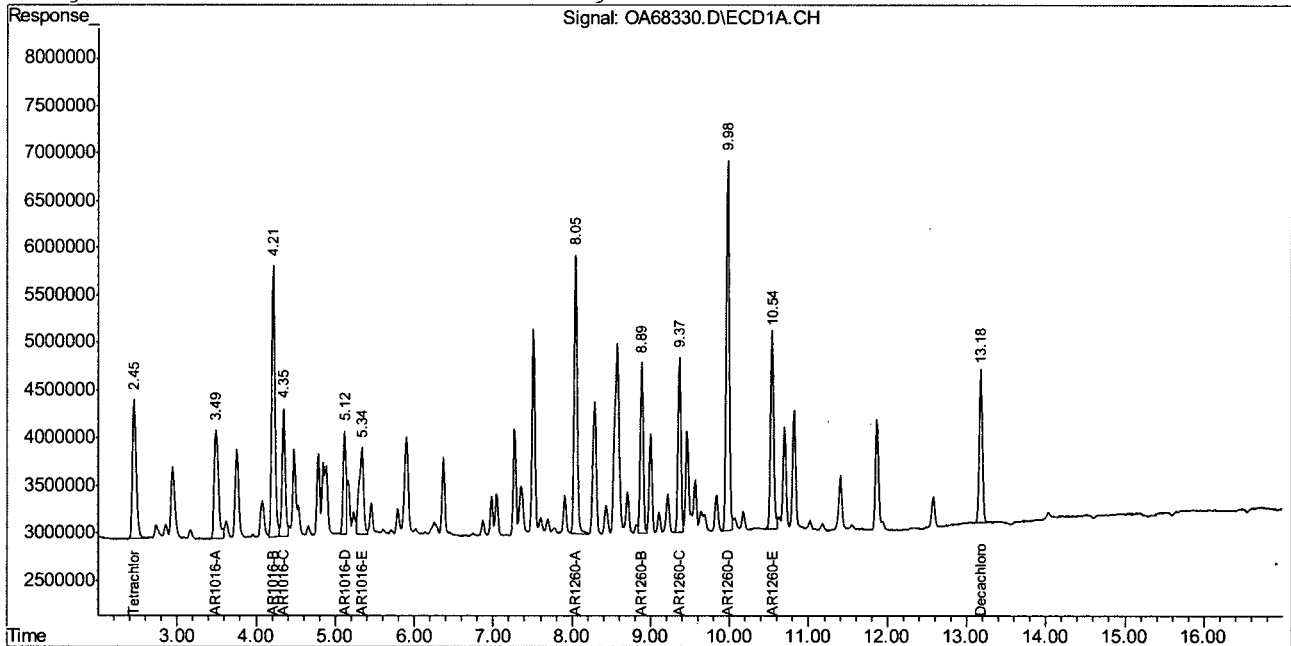
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68330.D PCB2389.M Wed Nov 03 09:36:22 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68330.D\ECD1A.CH Vial: 10
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68330.D\ECD2B.CH
 Acq On : 11-2-10 04:00:12 PM Operator: annaz
 Sample : ic2389-50 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:21 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.46
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68331.D\ECD1A.CH Vial: 11
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68331.D\ECD2B.CH
 Acq On : 11-2-10 04:19:38 PM Operator: annaz
 Sample : ic2389-250 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 09:21:58 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	205.1E6	74098824	9.834	10.859
Spiked Amount	40.000		Recovery	=	24.58%	27.15%
52) S Decachlorobiphen	13.18	13.04	181.0E6	117.6E6	9.510	11.071
Spiked Amount	40.000		Recovery	=	23.77%	27.68%
Target Compounds						
32) AR1016-A	3.49	3.69	179.5E6	49990830	267.026	278.134
33) AR1016-B	4.22	4.43	334.8E6	122.5E6	238.399	272.789
34) AR1016-C	4.35	4.65	148.7E6	56553346	251.144	278.102
35) AR1016-D	5.12	5.46	110.0E6	52370007	247.170	277.270
36) AR1016-E	5.34	5.63	142.7E6	58604022	255.062	276.195
37) AR1260-A	8.05	8.24	318.9E6	177.6E6	236.543	269.824
38) AR1260-B	8.89	9.03	190.1E6	160.9E6	240.289	270.501
39) AR1260-C	9.37	9.64	196.3E6	129.0E6	238.840	276.288
40) AR1260-D	9.98	10.25	443.2E6	391.9E6	228.219	262.812
41) AR1260-E	10.54	10.95	235.3E6	255.7E6	232.364	262.541

10.6.47
10

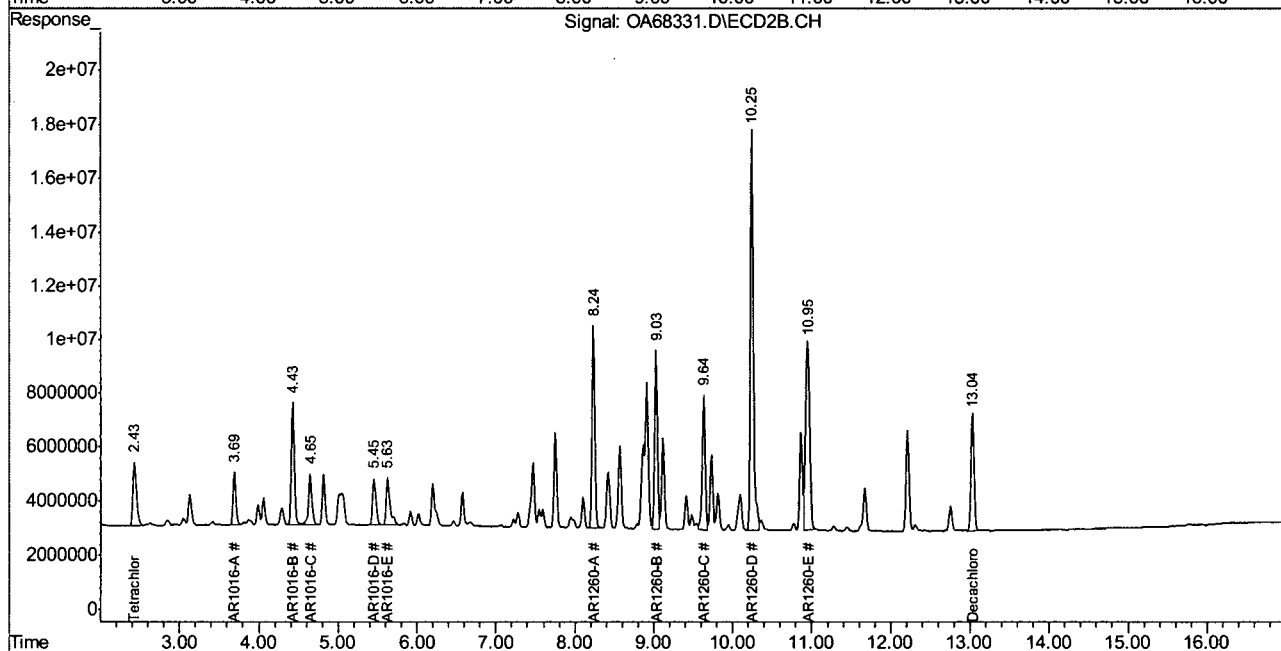
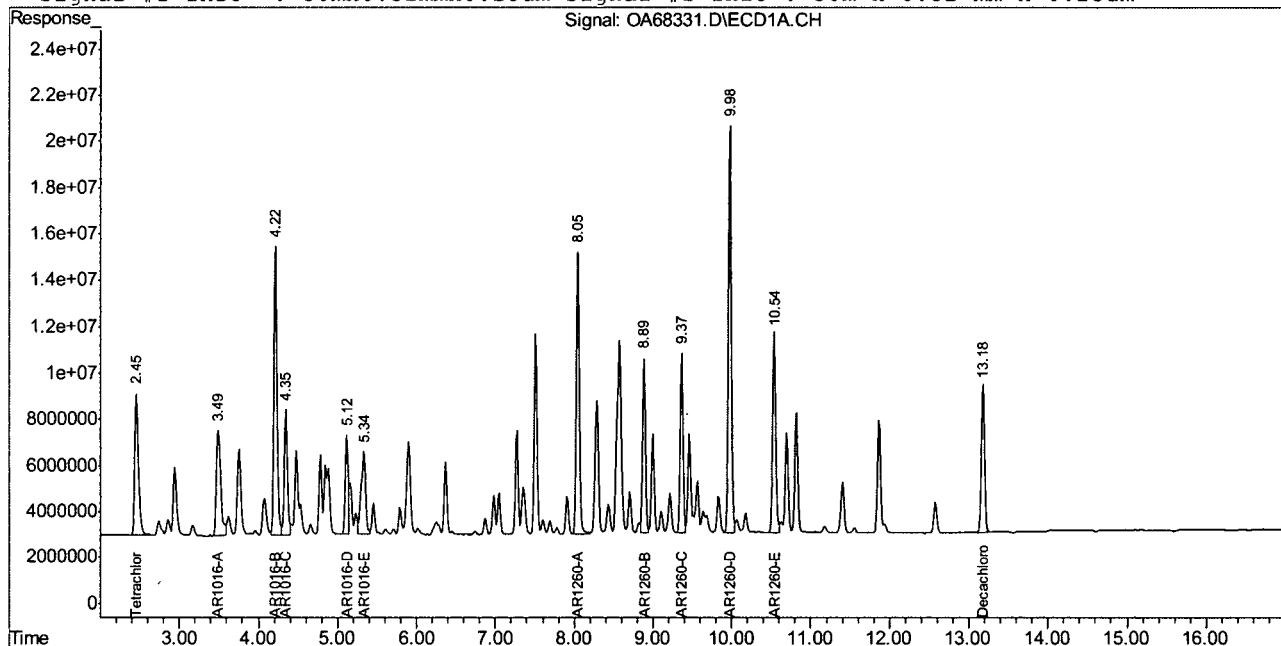
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68331.D PCB2389.M Wed Nov 03 09:36:46 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68331.D\ECD1A.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68331.D\ECD2B.CH
Acq On : 11-2-10 04:19:38 PM Operator: annaz
Sample : ic2389-250 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 3 9:22 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Oct 26 10:31:32 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.47
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68332.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68332.D\ECD2B.CH
 Acq On : 11-2-10 04:39:06 PM Operator: annaz
 Sample : ic2389-500 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 16:56:10 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	381.2E6	140.6E6	18.282	20.609
Spiked Amount	40.000		Recovery	=	45.70%	51.52%
52) S Decachlorobiphen	13.18	13.04	338.9E6	222.3E6	17.811	20.933
Spiked Amount	40.000		Recovery	=	44.53%	52.33%
Target Compounds						
32) AR1016-A	3.49	3.69	329.6E6	96565688	490.220	537.263
33) AR1016-B	4.22	4.43	643.8E6	237.0E6	458.430	527.505
34) AR1016-C	4.35	4.65	277.5E6	109.2E6	468.764	536.824
35) AR1016-D	5.12	5.46	206.4E6	101.0E6	463.667	534.621
36) AR1016-E	5.34	5.63	266.1E6	112.9E6	475.722	531.903
37) AR1260-A	8.05	8.24	608.3E6	345.3E6	451.197	524.705
38) AR1260-B	8.89	9.03	358.0E6	312.3E6	452.347	524.987
39) AR1260-C	9.37	9.64	372.7E6	248.3E6	453.384	531.950
40) AR1260-D	9.98	10.25	871.7E6	786.2E6	448.860	527.267
41) AR1260-E	10.54	10.95	454.9E6	506.1E6	449.297	519.691

10.6.48
10

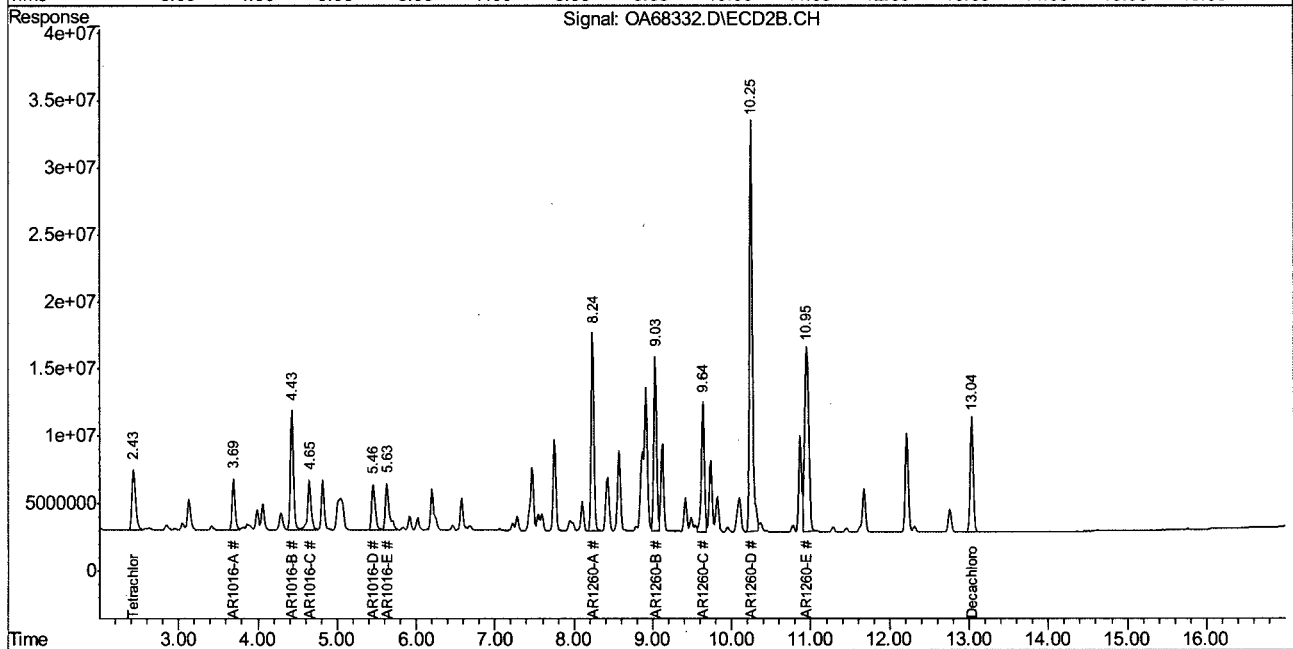
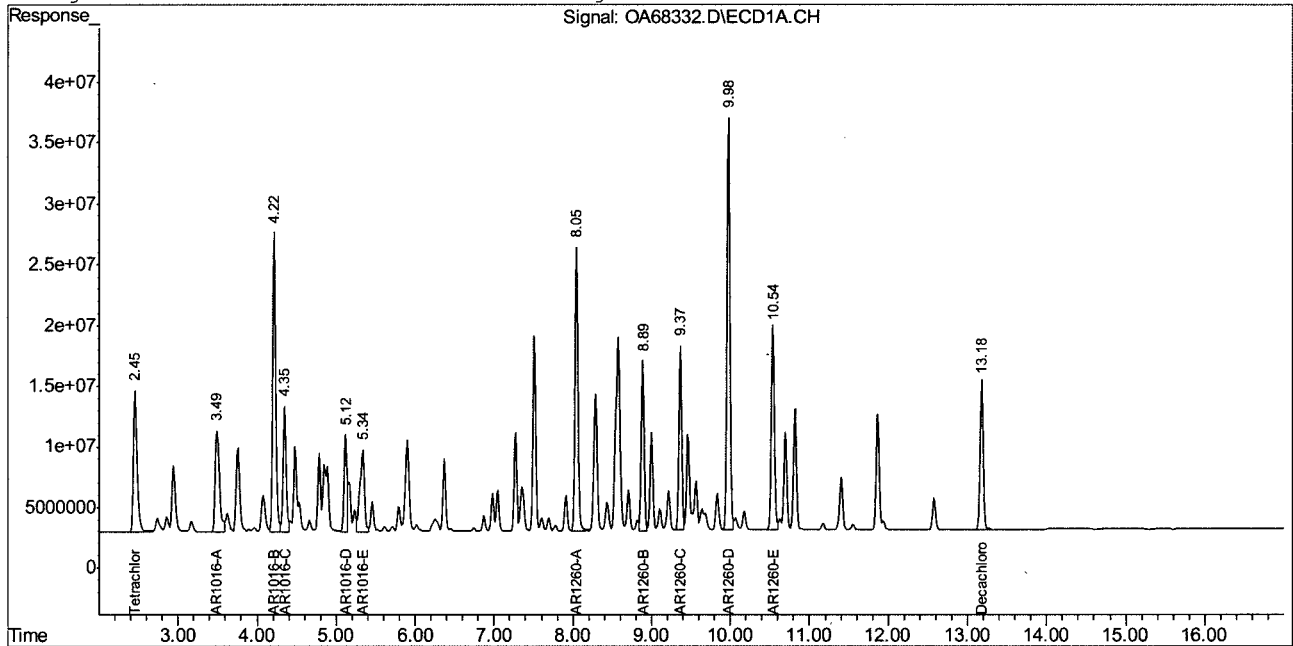
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68332.D PCB2389.M Wed Nov 03 09:37:12 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68332.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68332.D\ECD2B.CH
 Acq On : 11-2-10 04:39:06 PM Operator: annaz
 Sample : ic2389-500 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:23 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.48
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68333.D\ECD1A.CH Vial: 13
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68333.D\ECD2B.CH
Acq On : 11-2-10 04:58:39 PM Operator: annaz
Sample : icc2389-1000 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 02 17:15:51 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Oct 26 10:31:32 2010
Response via : Initial Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. It lists System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1016-A through AR1260-E) with their respective retention times and response values.

10.6.49 10

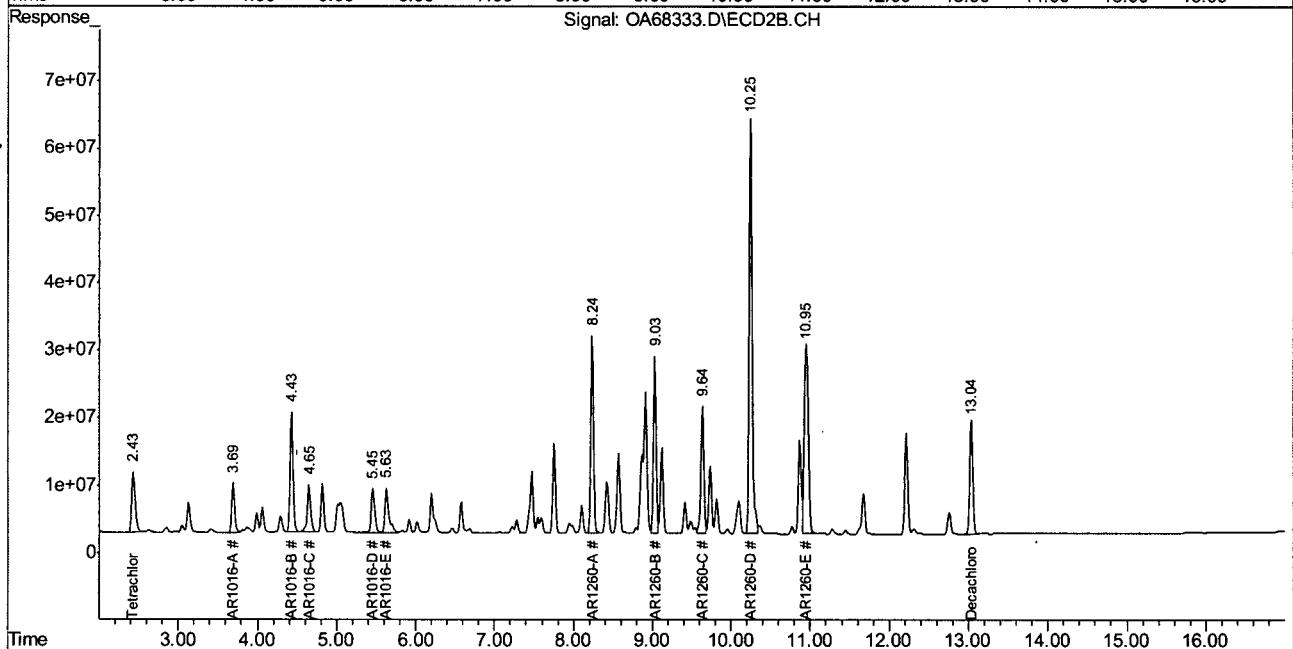
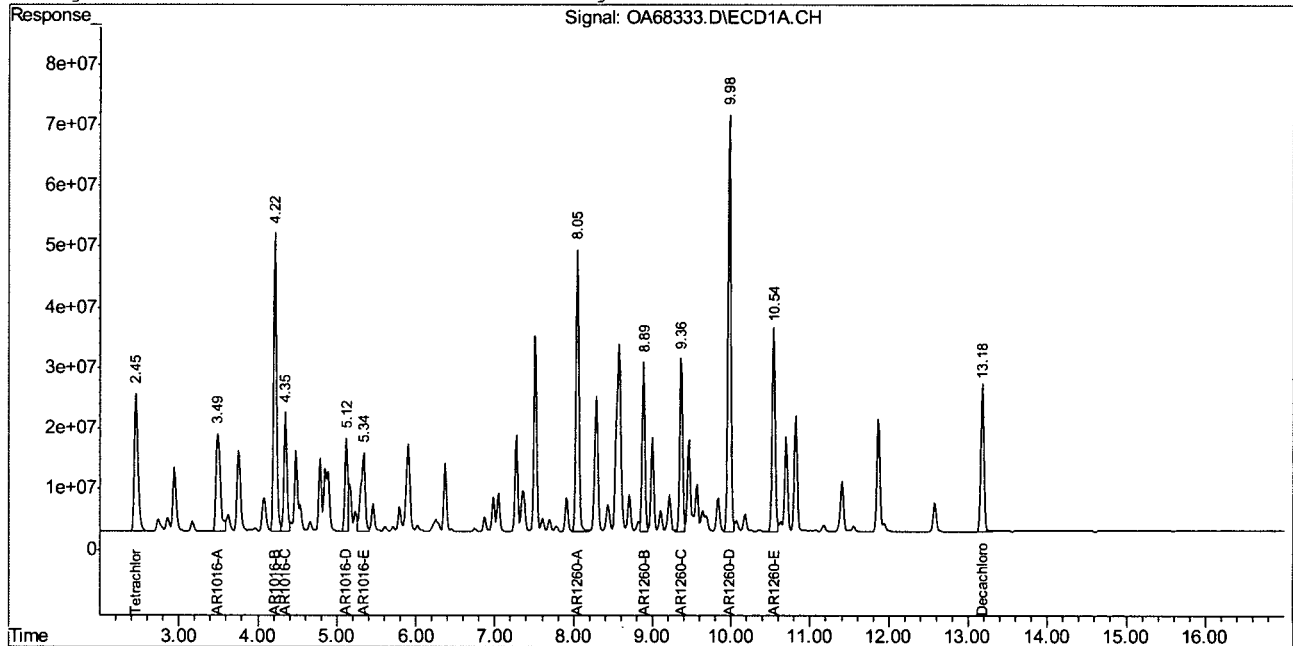
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68333.D PCB2389.M Wed Nov 03 09:36:00 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68333.D\ECD1A.CH Vial: 13
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68333.D\ECD2B.CH
 Acq On : 11-2-10 04:58:39 PM Operator: annaz
 Sample : icc2389-1000 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:12 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.49 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68334.D\ECD1A.CH Vial: 14
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68334.D\ECD2B.CH
 Acq On : 11-2-10 05:18:05 PM Operator: annaz
 Sample : ic2389-2000 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 02 17:35:09 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	1405.9E6	546.4E6	67.424	80.078
Spiked Amount	40.000		Recovery	=	168.56%	200.19%
52) S Decachlorobiphen	13.18	13.04	1236.9E6	859.4E6	65.004	80.902
Spiked Amount	40.000		Recovery	=	162.51%	202.26%
Target Compounds						
32) AR1016-A	3.49	3.69	1080.3E6	347.5E6	1606.716	1933.287
33) AR1016-B	4.21	4.43	2331.2E6	878.9E6	1659.935	1956.591
34) AR1016-C	4.35	4.65	942.5E6	390.7E6	1591.845	1921.193
35) AR1016-D	5.12	5.46	705.2E6	366.2E6	1584.282	1938.768
36) AR1016-E	5.34	5.63	895.5E6	411.6E6	1600.834	1939.740
37) AR1260-A	8.05	8.24	2224.6E6	1297.9E6	1650.121	1972.247
38) AR1260-B	8.89	9.03	1281.3E6	1178.1E6	1619.124	1980.714
39) AR1260-C	9.37	9.64	1349.9E6	927.8E6	1642.076	1987.378
40) AR1260-D	9.98	10.25	3305.3E6	3037.2E6	1702.006	2036.798
41) AR1260-E	10.54	10.96	1678.9E6	1953.2E6	1658.261	2005.617

10.6.50 10

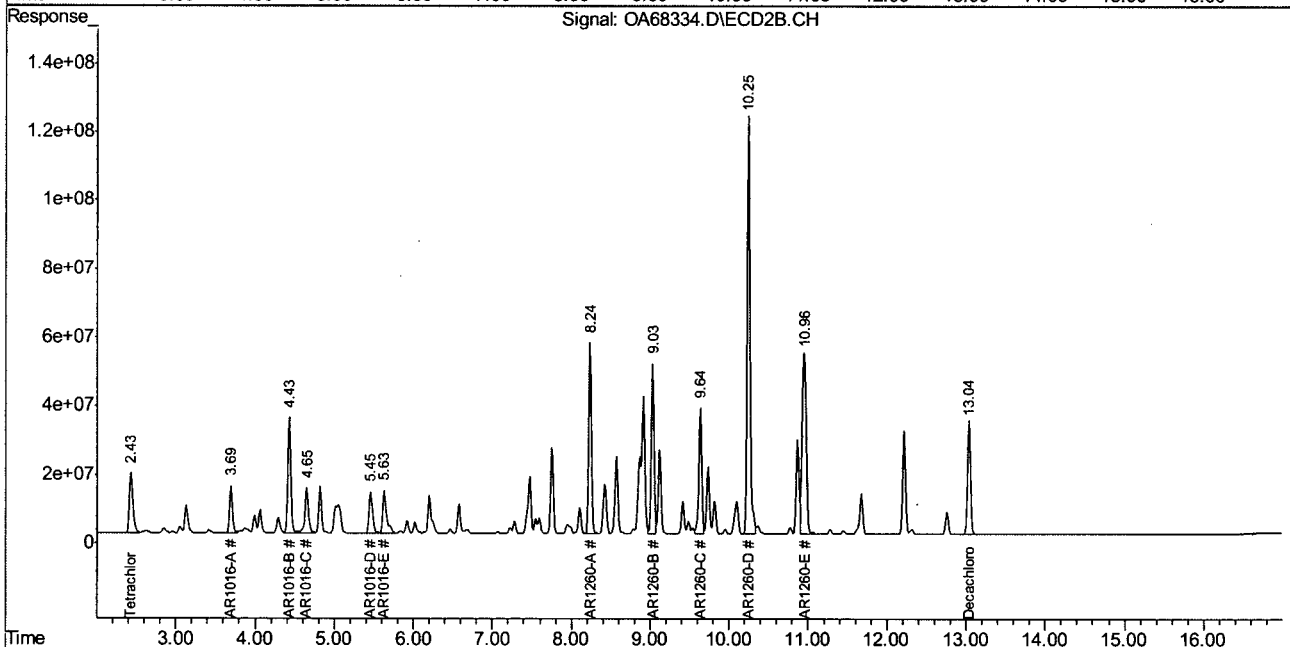
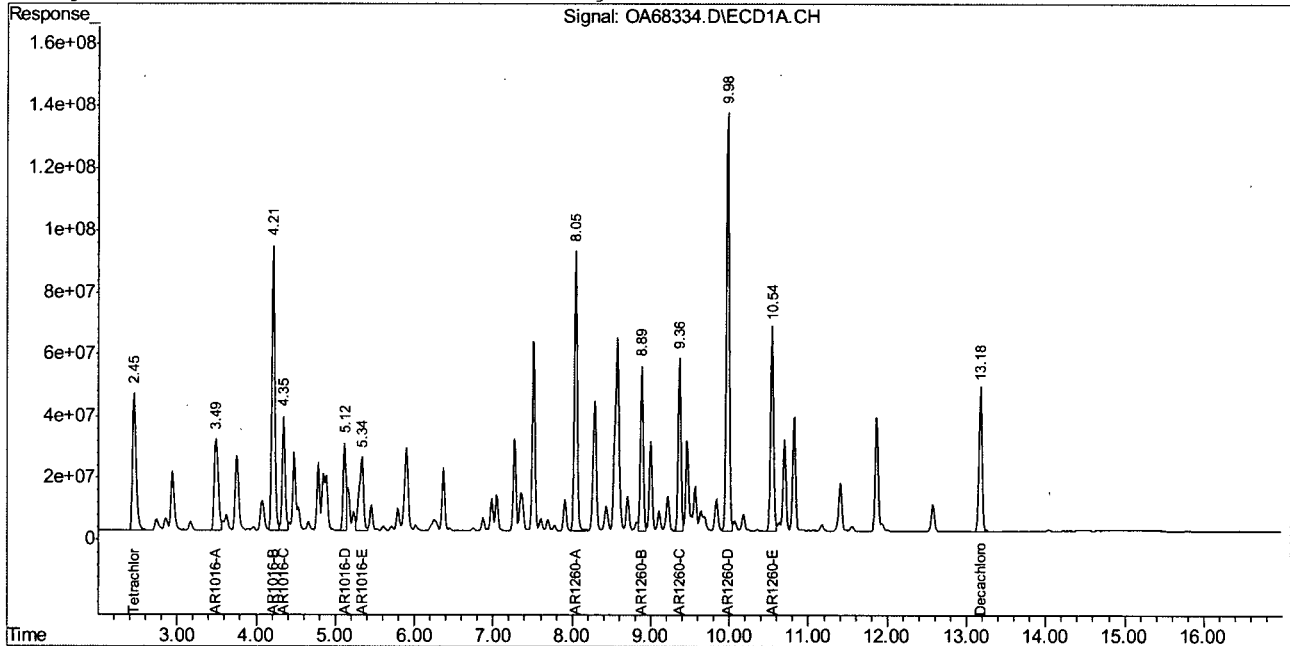
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68334.D PCB2389.M Wed Nov 03 09:37:37 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68334.D\ECD1A.CH Vial: 14
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68334.D\ECD2B.CH
 Acq On : 11-2-10 05:18:05 PM Operator: annaz
 Sample : ic2389-2000 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:24 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.50 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68335.D\ECD1A.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68335.D\ECD2B.CH
Acq On : 11-2-10 '05:37:32 PM Operator: annaz
Sample : ic2389-3000 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 03 09:24:54 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Oct 26 10:31:32 2010
Response via : Initial Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

Table with 7 columns: ID, Name, RT#1, RT#2, Resp#1, Resp#2, ppb. Rows include Tetrachloro-m-xy and Decachlorobiphen with Spiked Amount and Recovery data.

Target Compounds

Table with 7 columns: ID, Name, RT#1, RT#2, Resp#1, Resp#2, ppb. Rows include AR1016-A through AR1260-E.

10.6.51 10

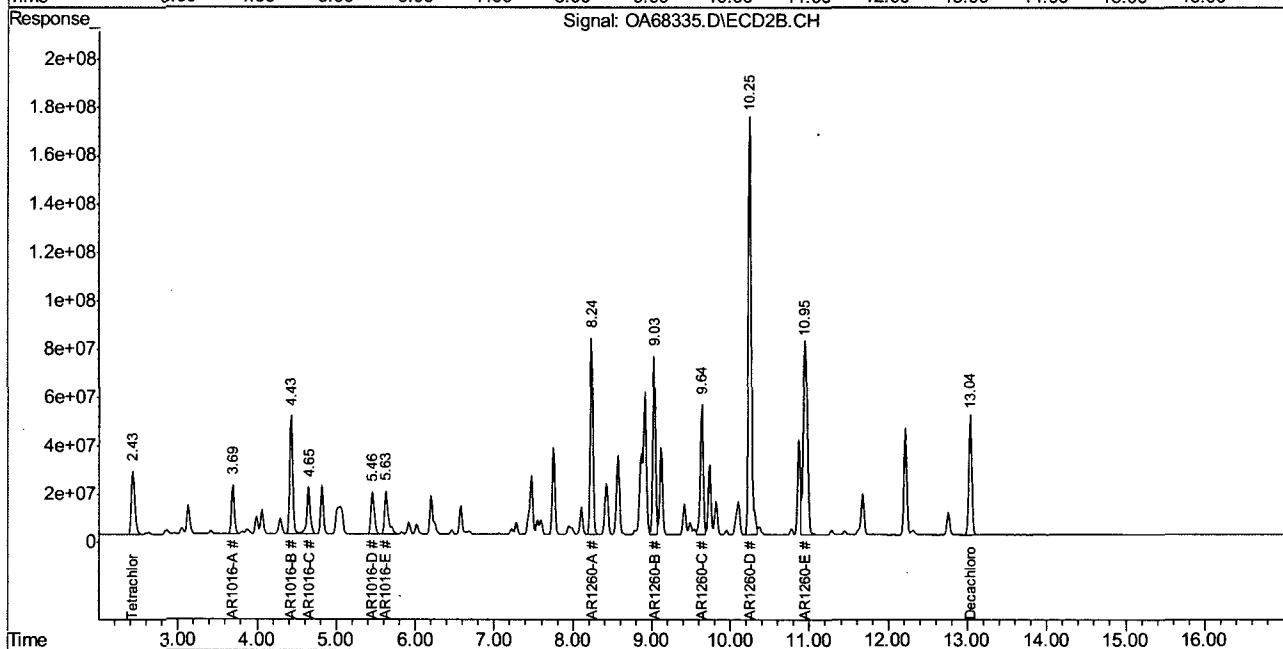
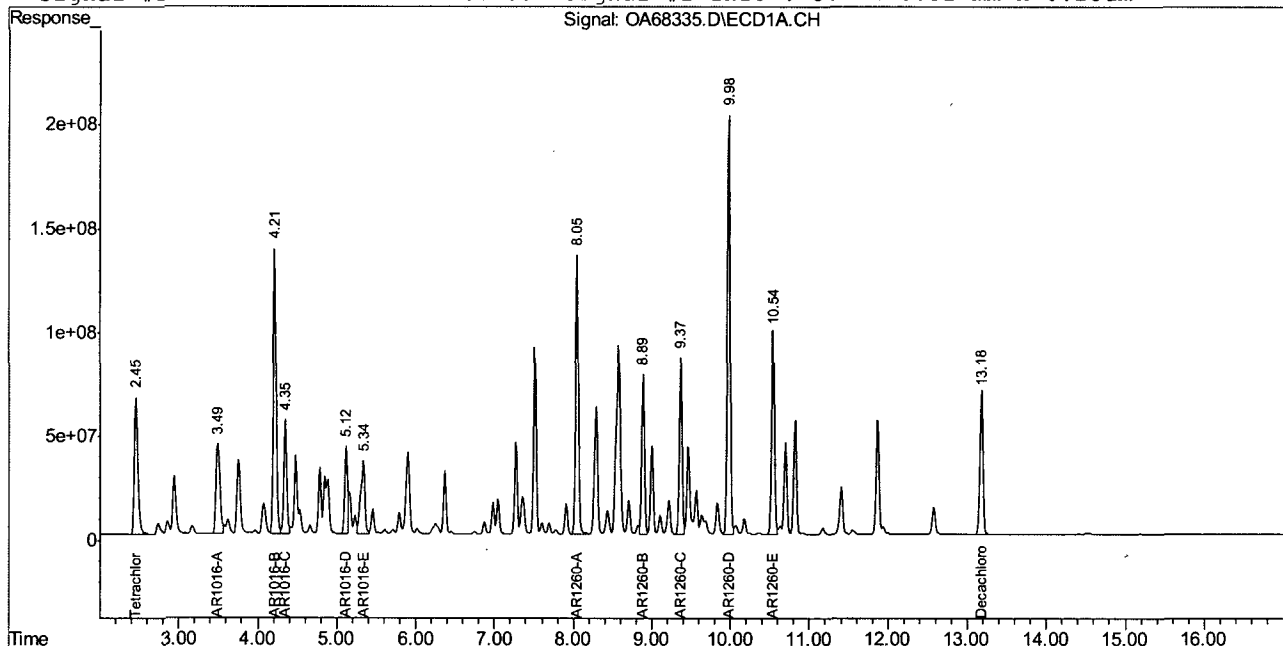
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68335.D PCB2389.M Wed Nov 03 09:37:57 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68335.D\ECD1A.CH Vial: 15
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68335.D\ECD2B.CH
 Acq On : 11-2-10 05:37:32 PM Operator: annaz
 Sample : ic2389-3000 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 3 9:25 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Tue Oct 26 10:31:32 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-1701P Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.51
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68336.D\ECD1A.CH Vial: 16
 Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68336.D\ECD2B.CH
 Acq On : 11-2-10 05:56:59 PM Operator: annaz
 Sample : icv2389-1000 Inst : GCOA
 Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 09:31:54 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Wed Nov 03 09:31:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

Target Compounds

32)	AR1016-A	3.49	3.69	616.7E6	186.0E6	937.762	968.715
33)	AR1016-B	4.21	4.43	1206.5E6	456.4E6	928.969	955.080
34)	AR1016-C	4.35	4.65	501.0E6	209.4E6	905.896	960.789
35)	AR1016-D	5.12	5.46	373.8E6	192.9E6	902.402	944.336
36)	AR1016-E	5.34	5.63	465.2E6	204.3E6	874.824	906.040
37)	AR1260-A	8.05	8.24	1086.0E6	655.1E6	876.854	938.921
38)	AR1260-B	8.89	9.03	656.5E6	598.8E6	907.499	951.106
39)	AR1260-C	9.37	9.64	693.9E6	471.1E6	919.187	950.985
40)	AR1260-D	9.98	10.25	1670.1E6	1541.5E6	949.369	979.521
41)	AR1260-E	10.54	10.95	859.8E6	990.1E6	934.424	969.230

10.6.52 10

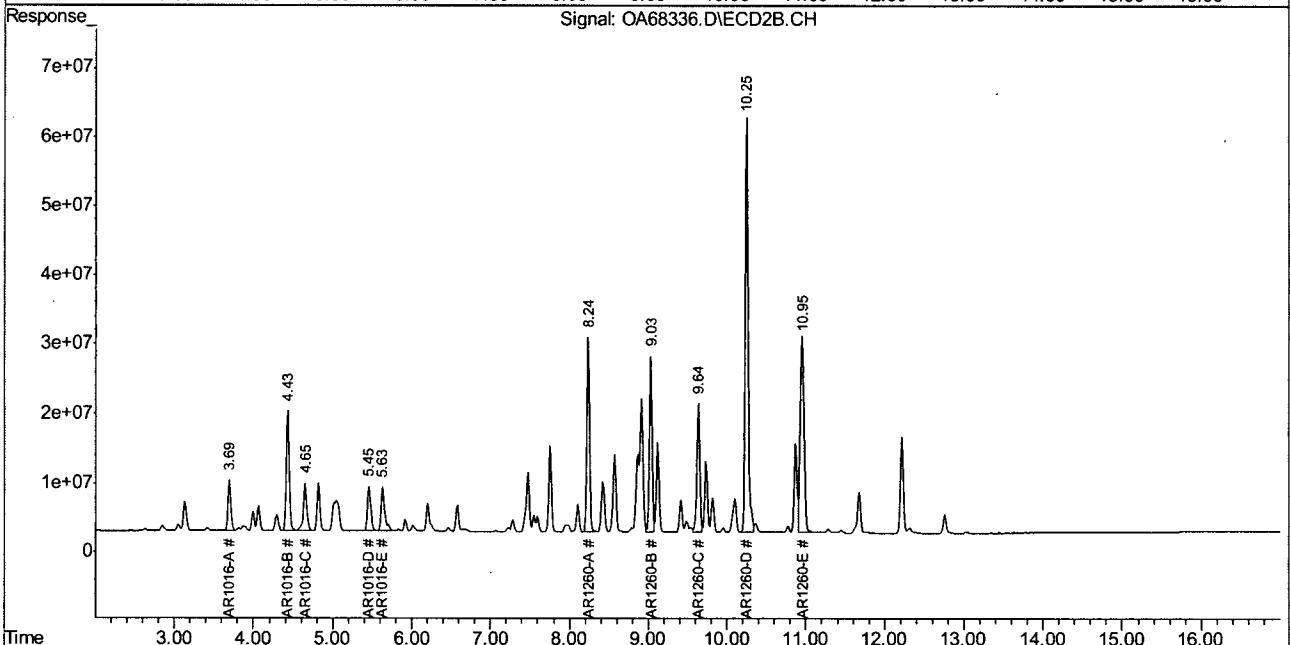
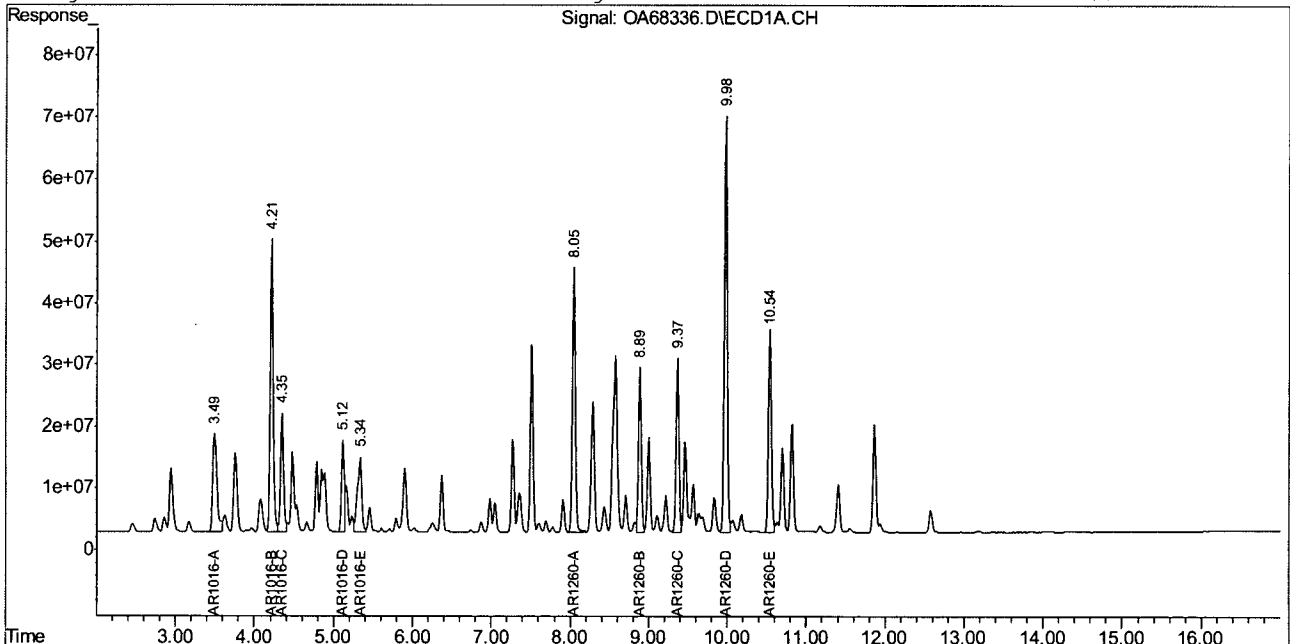
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68336.D PCB2389.M Wed Nov 03 09:38:23 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2389\OA68336.D\ECD1A.CH Vial: 16
Signal #2 : C:\MSDCHEM\1\DATA\2389\OA68336.D\ECD2B.CH
Acq On : 11-2-10 05:56:59 PM Operator: annaz
Sample : icv2389-1000 Inst : GCOA
Misc : OP46466,GOA2389,500,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 3 9:32 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Wed Nov 03 09:31:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.52 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68380.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68380.D\ECD2B.CH
 Acq On : 11-3-10 03:12:28 PM Operator: annaz
 Sample : cc2389-500 Inst : GCOA
 Misc : OP46406,GOA2391,1000,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 03 15:30:32 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Wed Nov 03 09:31:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.42	398.9E6	146.2E6	20.485	20.280
Spiked Amount	40.000		Recovery	=	51.21%	50.70%
52) S Decachlorobiphen	13.18	13.04	344.0E6	227.5E6	19.930	19.922
Spiked Amount	40.000		Recovery	=	49.82%	49.81%
Target Compounds						
32) AR1016-A	3.49	3.69	347.2E6	99084965	527.985	516.186
33) AR1016-B	4.21	4.43	662.7E6	241.9E6	510.260	506.338
34) AR1016-C	4.34	4.65	285.5E6	112.7E6	516.233	517.112
35) AR1016-D	5.11	5.45	217.7E6	103.8E6	525.698	508.009
36) AR1016-E	5.34	5.63	278.7E6	116.5E6	524.128	516.912
37) AR1260-A	8.04	8.24	627.8E6	351.7E6	506.848	504.038
38) AR1260-B	8.88	9.03	369.3E6	317.6E6	510.425	504.362
39) AR1260-C	9.36	9.64	383.9E6	253.6E6	508.483	511.879
40) AR1260-D	9.98	10.25	881.3E6	796.8E6	500.957	506.282
41) AR1260-E	10.54	10.95	450.6E6	515.5E6	489.672	504.612

10.6.53 10

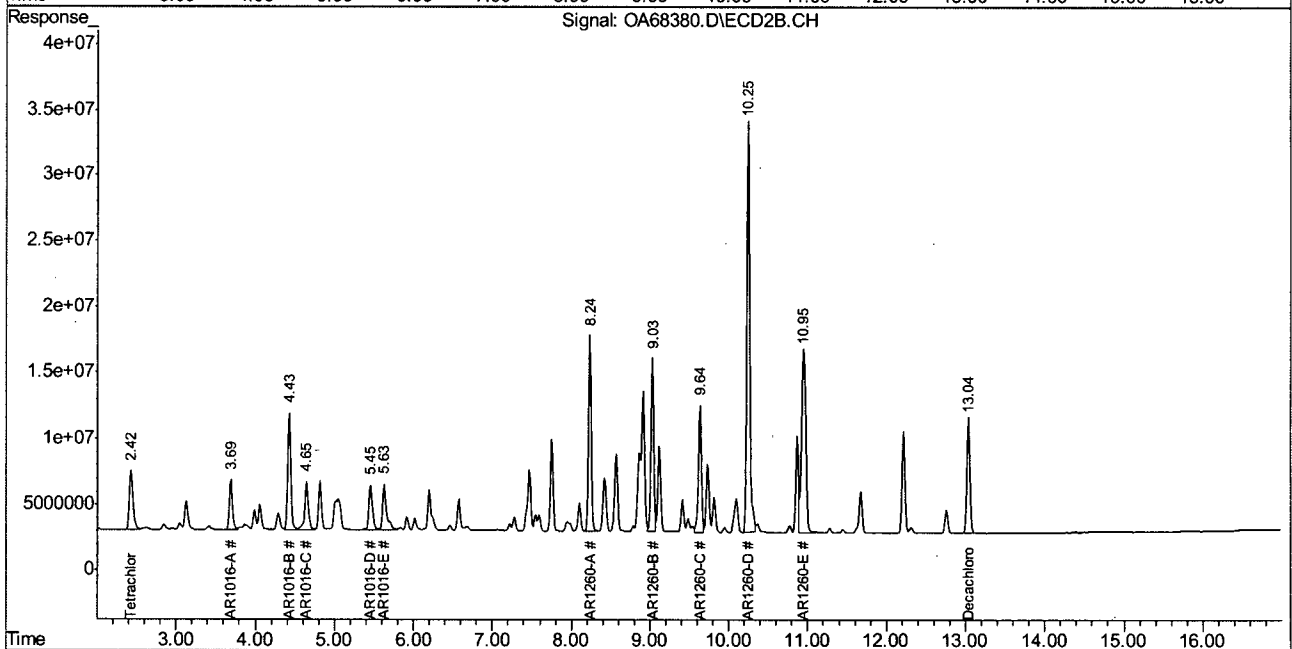
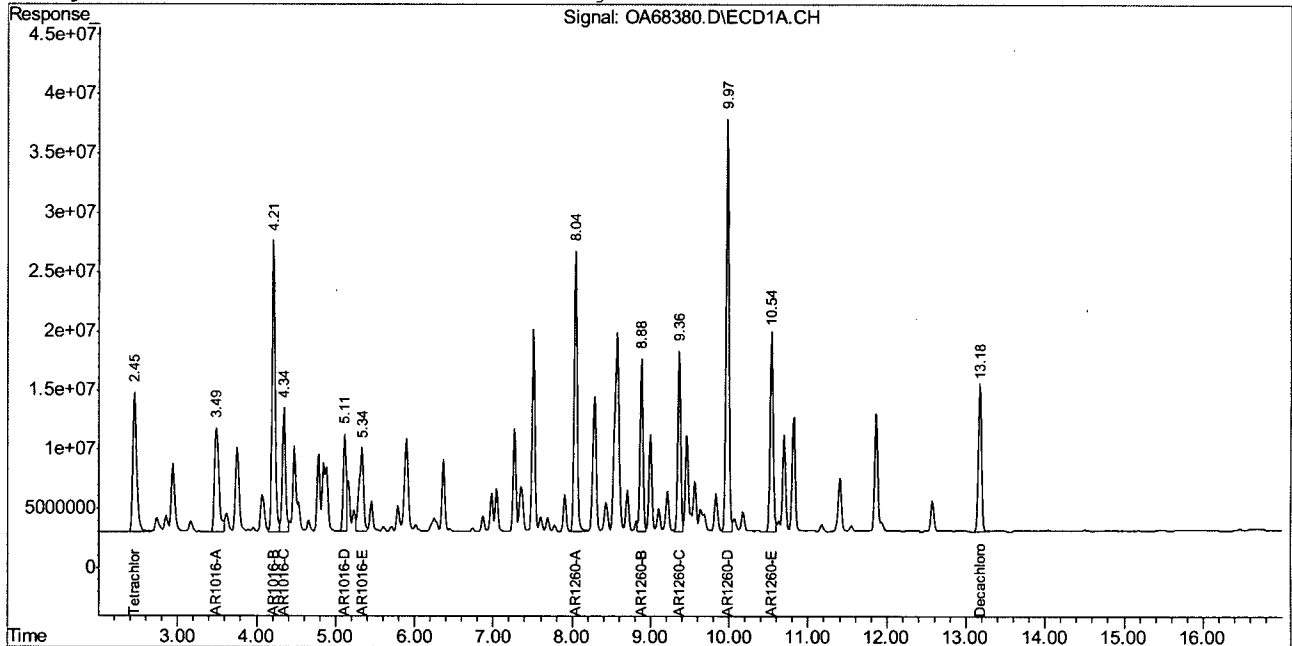
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68380.D PCB2389.M Wed Nov 03 15:31:35 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68380.D\ECD1A.CH Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68380.D\ECD2B.CH
Acq On : 11-3-10 03:12:28 PM Operator: annaz
Sample : cc2389-500 Inst : GCOA
Misc : OP46406,GOA2391,1000,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 3 15:30 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Wed Nov 03 09:31:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.53 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68391.D\ECD1A.CH Vial: 23
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68391.D\ECD2B.CH
 Acq On : 11-3-10 07:30:10 PM Operator: annaz
 Sample : cc2389-1000 Inst : GCOA
 Misc : OP46406,GOA2391,1000,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 04 08:08:32 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Wed Nov 03 09:31:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	770.7E6	287.0E6	39.582	39.823
Spiked Amount	40.000		Recovery	=	98.95%	99.56%
52) S Decachlorobiphen	13.18	13.04	675.0E6	446.1E6	39.112	39.056
Spiked Amount	40.000		Recovery	=	97.78%	97.64%
Target Compounds						
32) AR1016-A	3.49	3.69	628.0E6	190.6E6	954.999	993.066
33) AR1016-B	4.21	4.43	1309.2E6	472.2E6	1008.093	988.230
34) AR1016-C	4.34	4.65	546.6E6	217.6E6	988.414	998.206
35) AR1016-D	5.11	5.45	401.7E6	200.9E6	969.763	983.389
36) AR1016-E	5.34	5.63	518.1E6	225.5E6	974.258	1000.257
37) AR1260-A	8.04	8.24	1236.0E6	689.1E6	997.972	987.594
38) AR1260-B	8.89	9.03	719.4E6	626.4E6	994.399	994.844
39) AR1260-C	9.36	9.64	747.9E6	493.6E6	990.617	996.379
40) AR1260-D	9.97	10.25	1791.1E6	1595.8E6	1018.150	1013.994
41) AR1260-E	10.54	10.95	922.2E6	1034.1E6	1002.196	1012.293

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68391.D PCB2389.M Thu Nov 04 08:09:27 2010 RPT1

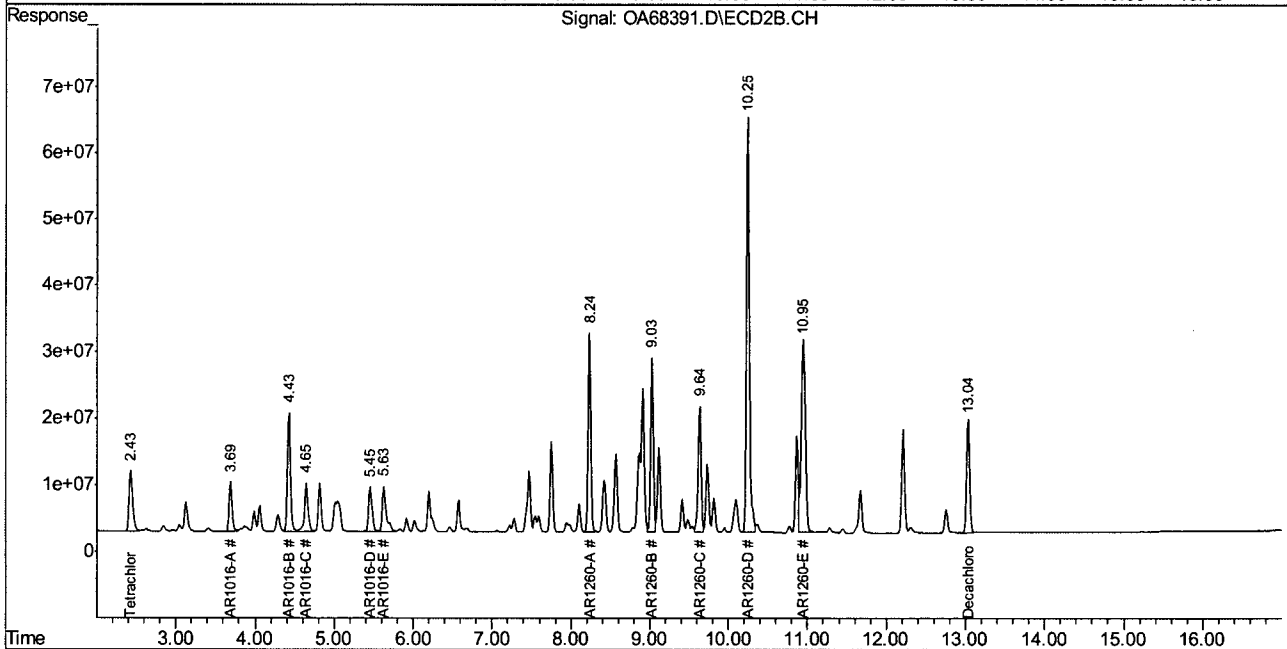
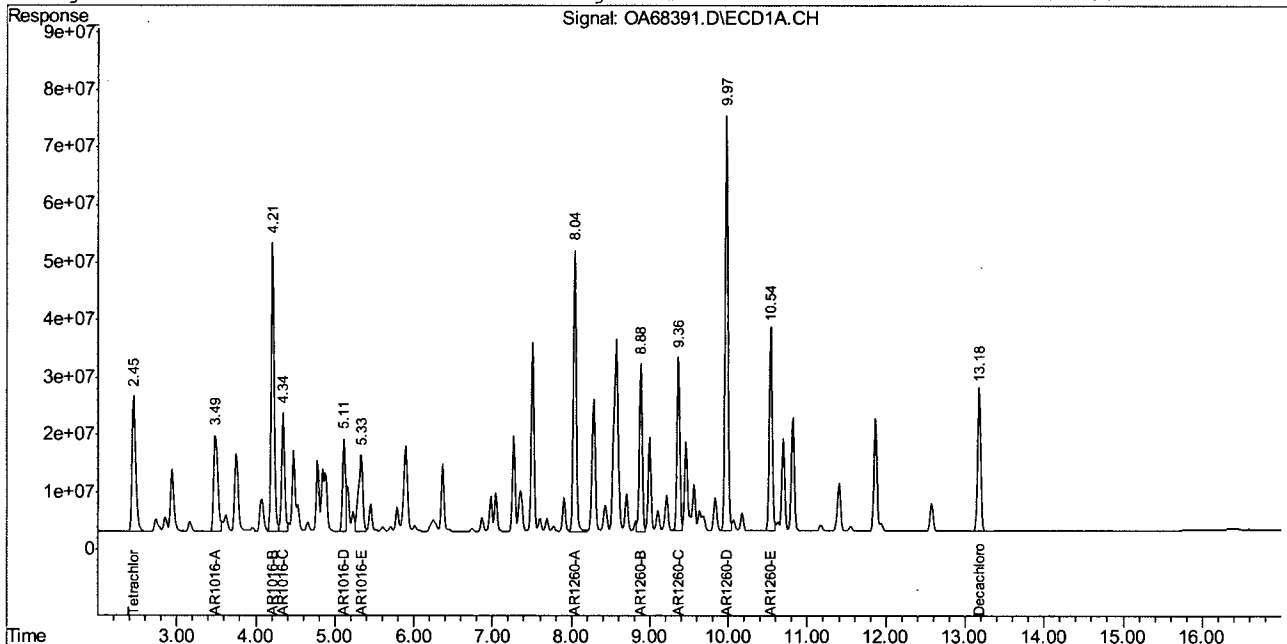
10.6.54 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68391.D\ECD1A.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68391.D\ECD2B.CH
Acq On : 11-3-10 07:30:10 PM Operator: annaz
Sample : cc2389-1000 Inst : GCOA
Misc : OP46406,GOA2391,1000,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 4 8:08 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Wed Nov 03 09:31:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.54 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68397.D\ECD1A.CH Vial: 29
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68397.D\ECD2B.CH
 Acq On : 03 Nov 2010 10:25 pm Operator: annaz
 Sample : cc2389-500 Inst : GCOA
 Misc : OP46323,GOA2391,17.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Nov 04 08:04:31 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
 Title : PCB
 Last Update : Wed Nov 03 09:31:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

1) S Tetrachloro-m-xy	2.45	2.43	408.0E6	150.7E6	20.954	20.908
Spiked Amount	40.000		Recovery	=	52.39%	52.27%
52) S Decachlorobiphen	13.18	13.04	362.3E6	233.5E6	20.996	20.443
Spiked Amount	40.000		Recovery	=	52.49%	51.11%

Target Compounds

32) AR1016-A	3.49	3.69	356.8E6	101.4E6	542.609	528.211
33) AR1016-B	4.21	4.43	682.6E6	248.4E6	525.605	519.922
34) AR1016-C	4.35	4.65	294.3E6	115.0E6	532.271	527.733
35) AR1016-D	5.12	5.45	221.6E6	106.5E6	535.064	521.303
36) AR1016-E	5.34	5.63	285.5E6	119.6E6	536.892	530.356
37) AR1260-A	8.04	8.24	649.8E6	359.2E6	524.659	514.867
38) AR1260-B	8.88	9.03	385.6E6	326.7E6	533.032	518.914
39) AR1260-C	9.36	9.64	401.7E6	260.8E6	532.088	526.313
40) AR1260-D	9.98	10.25	932.2E6	824.4E6	529.920	523.821
41) AR1260-E	10.54	10.95	484.1E6	530.9E6	526.112	519.726

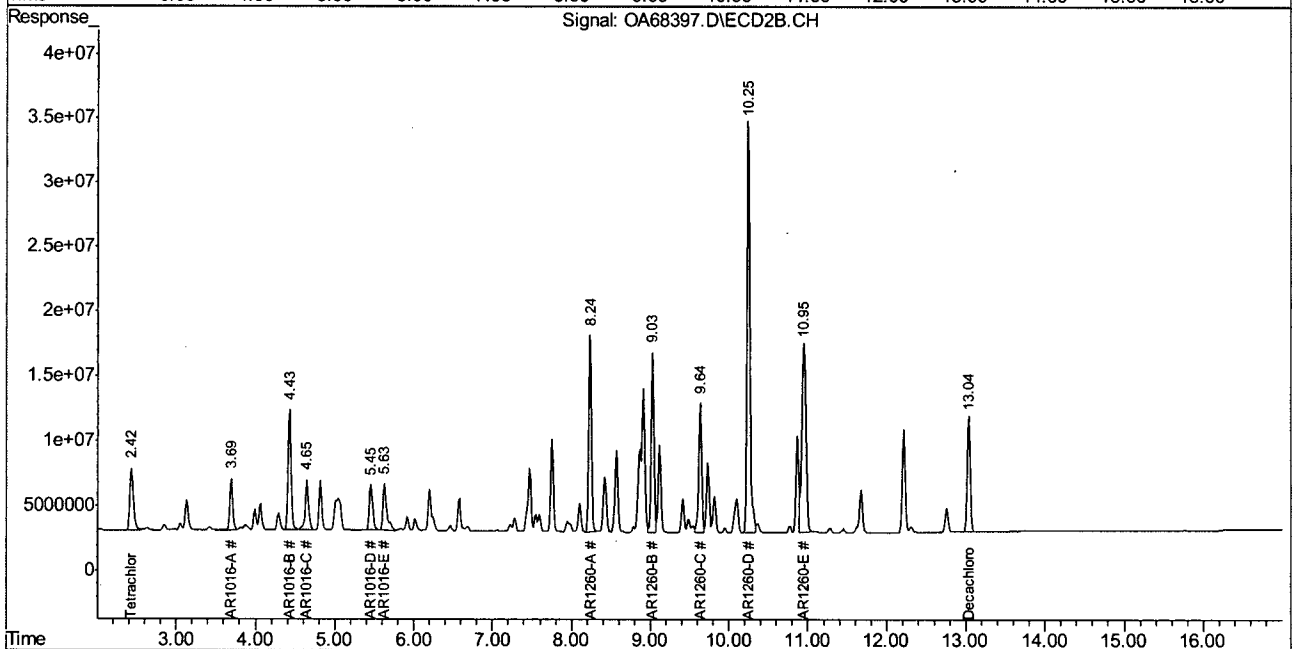
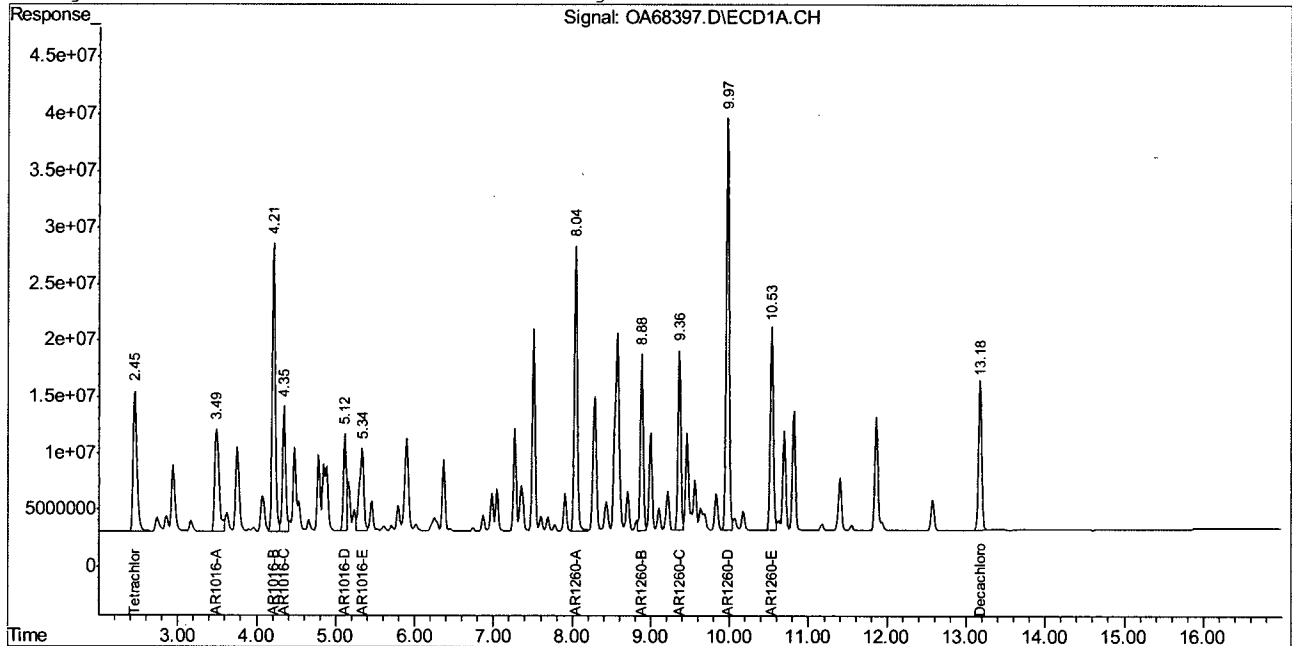
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 OA68397.D PCB2389.M Thu Nov 04 08:06:36 2010 RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68397.D\ECD1A.CH Vial: 29
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68397.D\ECD2B.CH
Acq On : 03 Nov 2010 10:25 pm Operator: annaz
Sample : cc2389-500 Inst : GCOA
Misc : OP46323,GOA2391,17.1,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Nov 4 8:05 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)
Title : PCB
Last Update : Wed Nov 03 09:31:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



10.6.55 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90007.D\ECD1A.CH Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90007.D\ECD2B.CH
 Acq On : 3 May 2010 3:17 pm Operator: toyar
 Sample : ic3143-500 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:51:21 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.13	14.63	2108.3E6	898.5E6	1000.654	1002.565
Spiked Amount	500.000			Recovery	= 200.13%	200.51%

Target Compounds

1) Dalapon	6.12	5.20	338.4E6	155.2E6	99.929	101.594
3) Dicamba	15.40	14.89	1092.5E6	419.2E6	102.575	99.547
4) MCPP	15.71	15.10	138.6E6	62459119	26709.454	23852.561
5) MCPA	15.94	15.44	222.3E6	99252348	26819.776	22356.607
6) Dichloroprop	16.49	15.92	1583.1E6	599.2E6	507.911	490.423
7) 2,4-D	16.83	16.37	1561.9E6	653.0E6	509.808	473.397
8) Pentachloropheno	17.15	16.84	2351.5E6	916.9E6	52.272	52.804
9) 2,4,5-TP	17.95	17.42	1852.6E6	737.3E6	104.280	105.010
10) 2,4,5-T	18.32	17.91	1632.3E6	618.7E6	103.421	92.422
11) 2,4-DB	18.99	18.53	822.9E6	340.2E6	551.116	474.788
12) Dinoseb	20.28	18.89	7671.7E6	2499.3E6	467.724	509.417
13) Picloram	20.11	20.00	10229.2E6	4607.1E6	579.949	542.203

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90007.D HWW3143.M Tue May 04 11:14:28 2010 GCCD

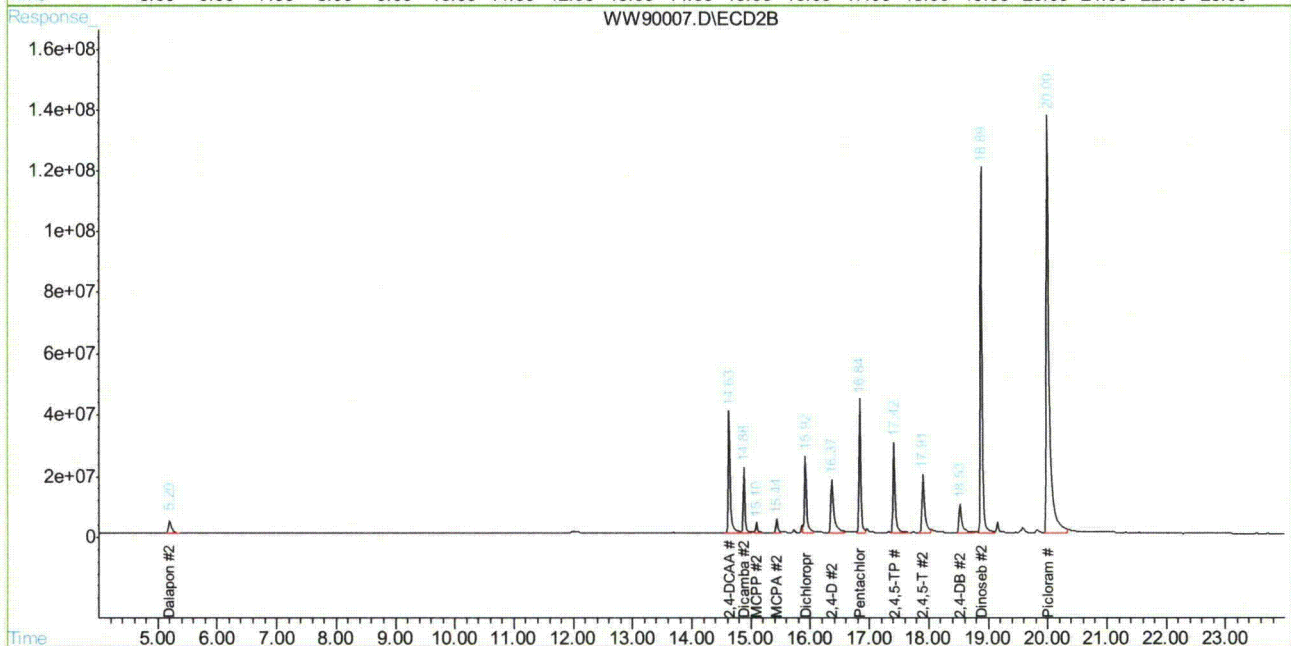
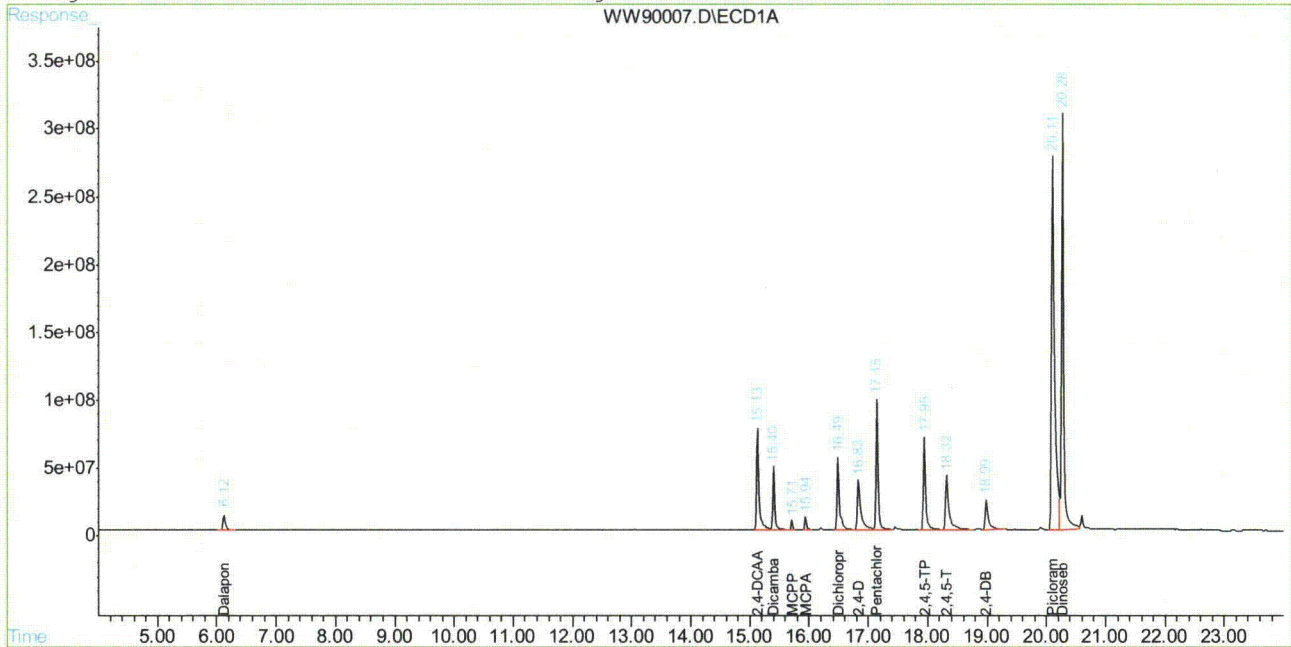
10.6.56
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90007.D\ECD1A.CH Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90007.D\ECD2B.CH
 Acq On : 3 May 2010 3:17 pm Operator: toyar
 Sample : ic3143-500 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:51:21 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.56 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90008.D\ECD1A.CH Vial: 3
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90008.D\ECD2B.CH
 Acq On : 3 May 2010 3:49 pm Operator: toyar
 Sample : ic3143-400 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:54 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:53:22 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.13	14.64	1665.7E6	715.0E6	790.310	796.847
Spiked Amount	500.000		Recovery	=	158.06%	159.37%

Target Compounds

1) Dalapon	6.12	5.20	271.3E6	124.9E6	80.157	81.081
3) Dicamba	15.40	14.89	858.2E6	337.6E6	79.553	80.345
4) MCPP	15.71	15.10	108.6E6	63328933	20239.873	24752.781
5) MCPA	15.94	15.44	180.2E6	84776376	20979.317	20161.804
6) Dichloroprop	16.49	15.92	1261.7E6	480.8E6	401.628	397.373
7) 2,4-D	16.84	16.37	1243.6E6	534.5E6	401.965	398.095
8) Pentachloropheno	17.15	16.84	1841.2E6	709.8E6	40.018	39.762
9) 2,4,5-TP	17.95	17.42	1447.0E6	572.7E6	79.744	79.577
10) 2,4,5-T	18.33	17.91	1275.5E6	473.0E6	79.456	73.439
11) 2,4-DB	19.00	18.53	626.9E6	274.4E6	399.427	392.895
12) Dinoseb	20.28	18.89	6333.0E6	1985.3E6	398.986	400.875
13) Picloram	20.11	20.01	7552.0E6	3542.2E6	396.468	399.995

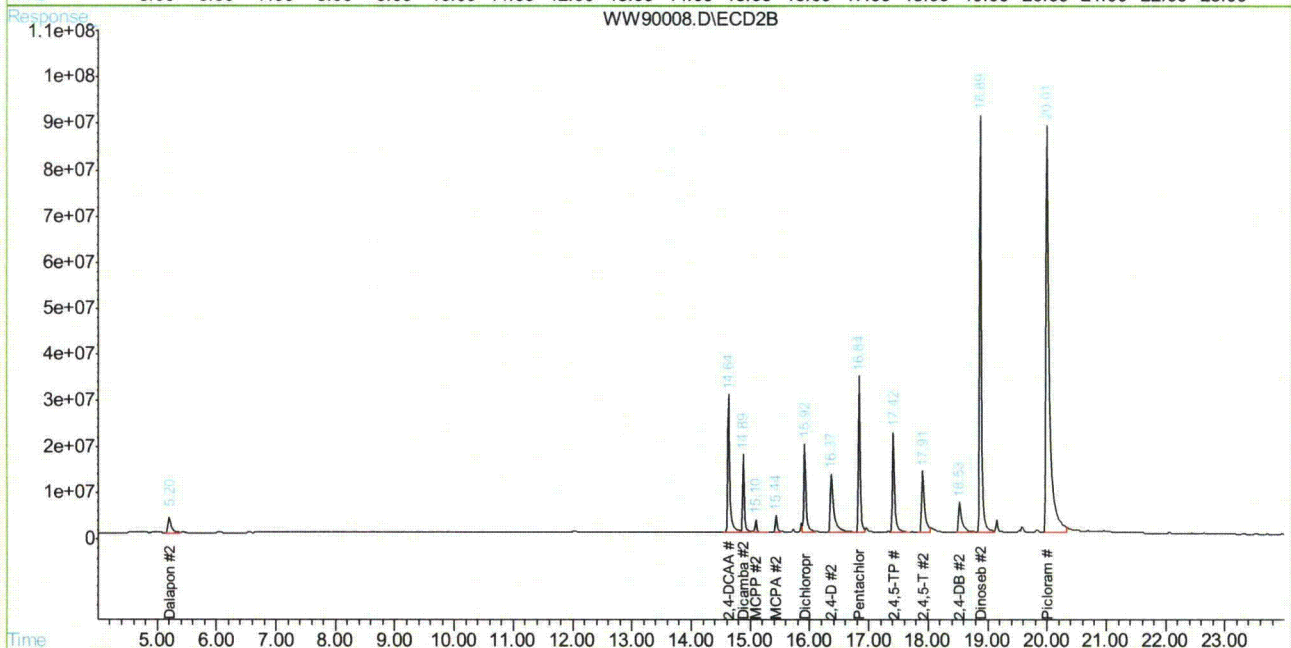
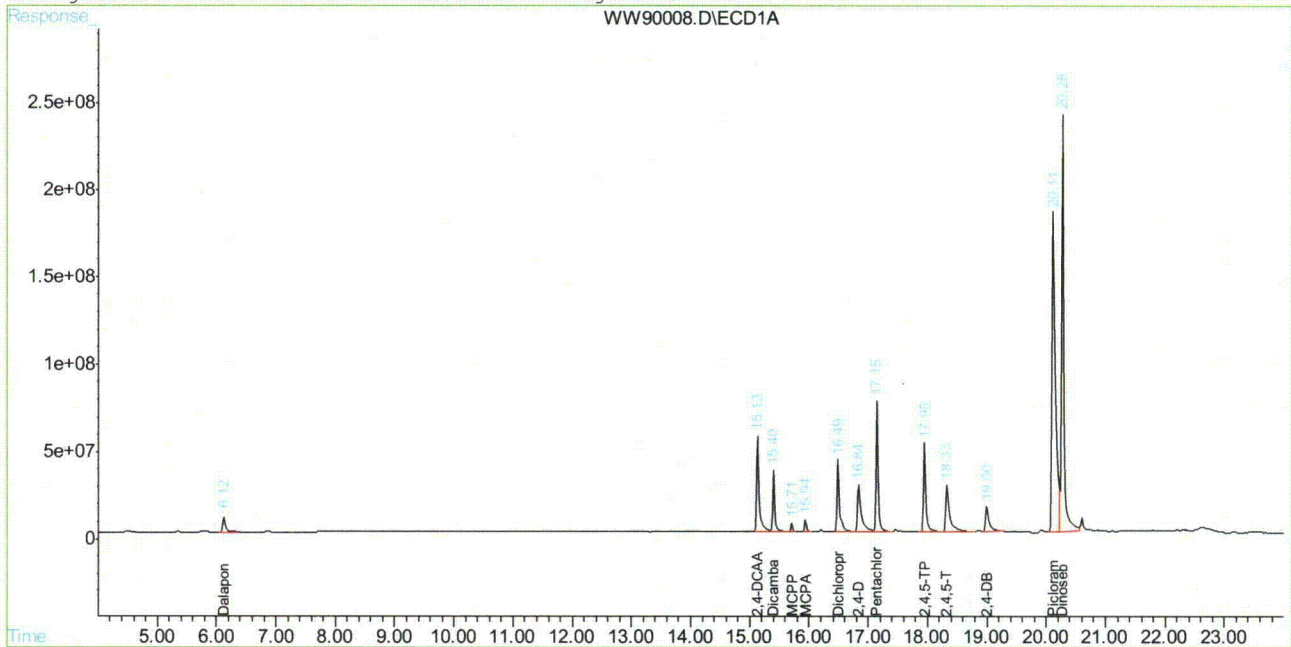
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90008.D HWW3143.M Tue May 04 11:14:40 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90008.D\ECD1A.CH Vial: 3
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90008.D\ECD2B.CH
 Acq On : 3 May 2010 3:49 pm Operator: toyar
 Sample : ic3143-400 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:54 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:53:22 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.57 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD2B.CH
 Acq On : 3 May 2010 4:33 pm Operator: toyar
 Sample : icc3143-300 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:51 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:51:21 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.13	14.64	1264.2E6	537.7E6	600.000	600.000
Spiked Amount	500.000		Recovery	=	120.00%	120.00%

Target Compounds

1) Dalapon	6.12	5.20	203.2E6	91670226	60.000	60.000
3) Dicamba	15.41	14.89	639.1E6	252.7E6	60.000	60.000
4) MCPP	15.71	15.10	77839037	39278248	15000.000	15000.000
5) MCPA	15.94	15.44	124.3E6	66592627	15000.000	15000.000
6) Dichloroprop	16.49	15.92	935.0E6	366.5E6	300.000	300.000
7) 2,4-D	16.84	16.37	919.1E6	413.8E6	300.000	300.000
8) Pentachloropheno	17.15	16.84	1349.6E6	520.9E6	30.000	30.000
9) 2,4,5-TP	17.95	17.42	1065.9E6	421.3E6	60.000	60.000
10) 2,4,5-T	18.33	17.91	947.0E6	401.6E6	60.000	60.000
11) 2,4-DB	19.00	18.54	448.0E6	215.0E6	300.000	300.000
12) Dinoseb	20.28	18.89	4920.7E6	1471.9E6	300.000	300.000
13) Picloram	20.12	20.01	5291.4E6	2549.1E6	300.000	300.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90009.D HWW3143.M Wed May 05 11:38:18 2010 GCCD

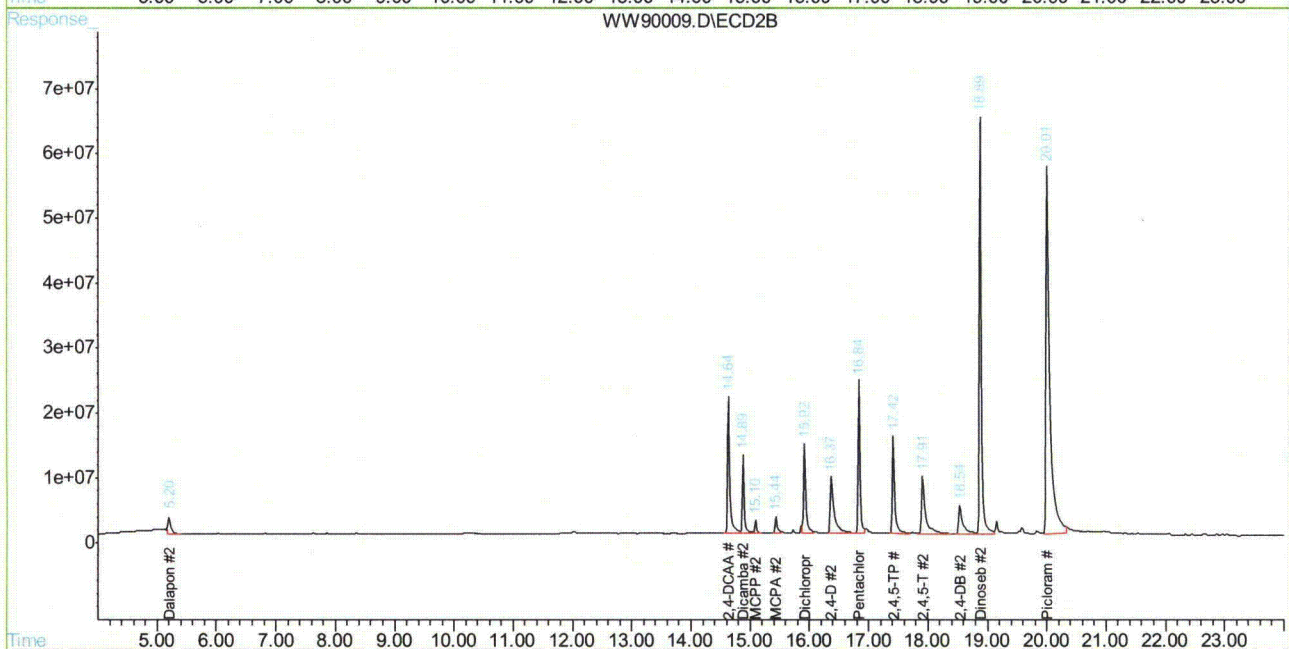
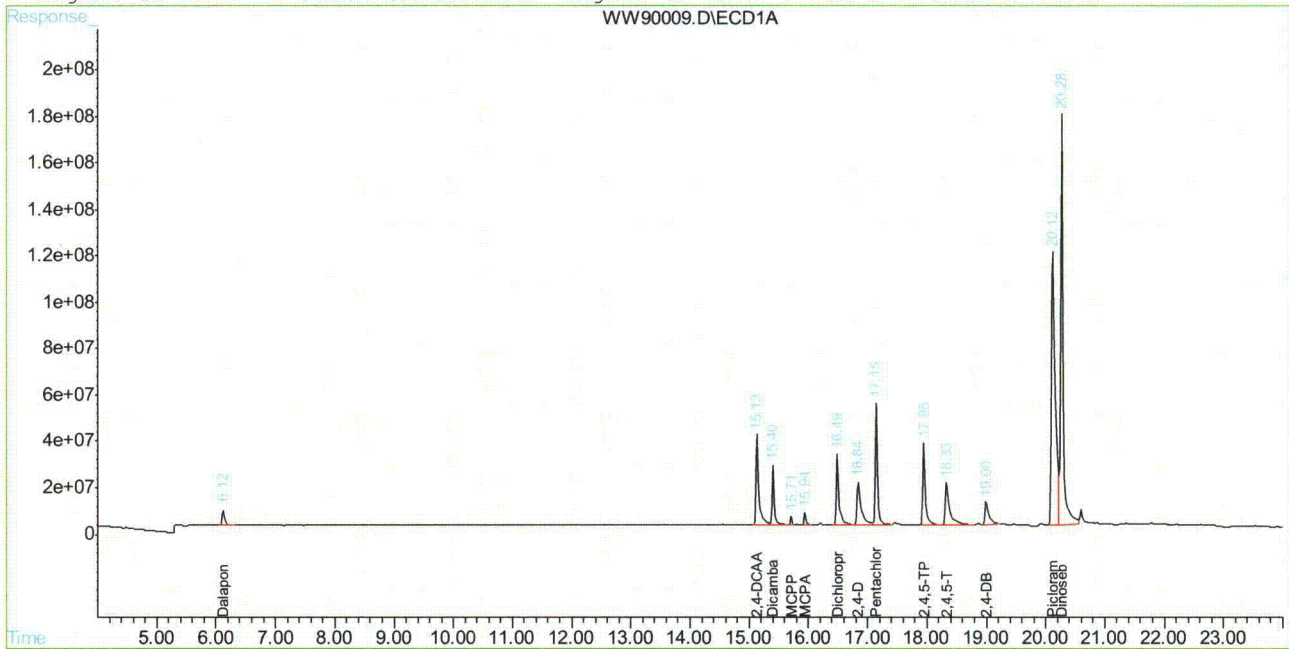
10.6.58 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD2B.CH
 Acq On : 3 May 2010 4:33 pm Operator: toyar
 Sample : icc3143-300 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:51 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:51:21 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

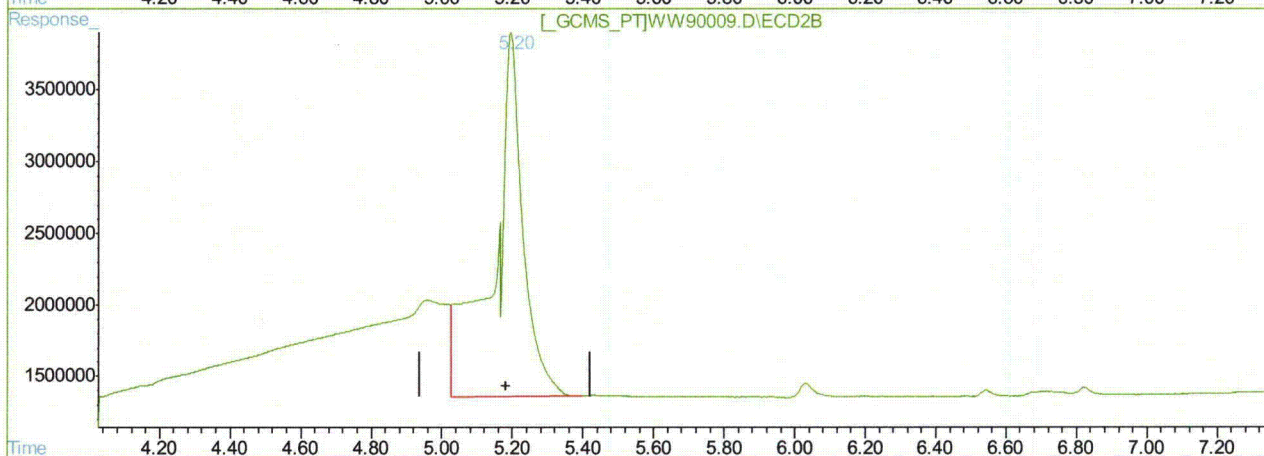
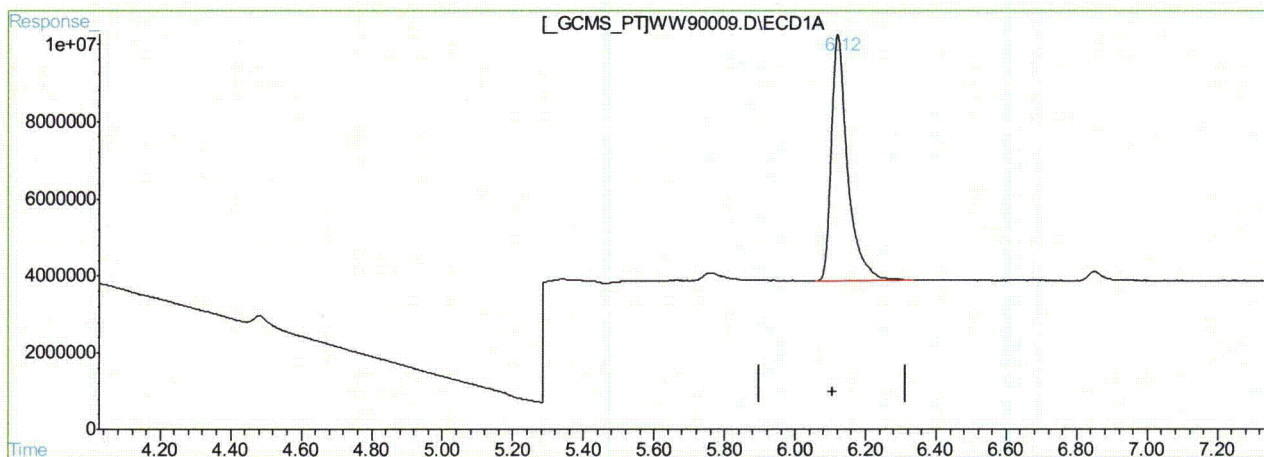


10.6.58 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90009.D\ECD2B.CH
 Acq On : 3 May 2010 4:33 pm Operator: toyar
 Sample : icc3143-300 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 3 16:45 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Apr 30 16:32:04 2010
 Response via : Multiple Level Calibration



QEdit

(1) Dalapon	
6.12min	67.380PPB
response	202872030
(1) Dalapon #2	
5.20min	96.088PPB
response	151532075

(+) = Expected Retention Time
 WW90009.D HWW3143.M Tue May 04 08:40:28 2010 GCCD

10.6.58.1 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90010.D\ECD1A.CH Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90010.D\ECD2B.CH
 Acq On : 3 May 2010 5:04 pm Operator: toyar
 Sample : ic3143-200 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:57 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:54:38 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.14	14.64	882.1E6	372.5E6	420.229	415.621
Spiked Amount	500.000		Recovery	=	84.05%	83.12%

Target Compounds

1) Dalapon	6.12	5.20	139.2E6	65812861	41.111	42.544
3) Dicamba	15.41	14.89	451.2E6	172.5E6	41.907	41.000
4) MCPP	15.71	15.10	56893342	27774346	10558.993	10059.085
5) MCPA	15.95	15.44	106.0E6	50208864	12146.787	11908.727
6) Dichloroprop	16.49	15.93	671.7E6	264.7E6	213.513	219.272
7) 2,4-D	16.85	16.38	647.2E6	285.4E6	208.857	212.879
8) Pentachloropheno	17.15	16.84	920.7E6	341.9E6	20.008	19.192
9) 2,4,5-TP	17.95	17.42	719.2E6	280.9E6	39.678	39.102
10) 2,4,5-T	18.34	17.92	638.1E6	231.2E6	39.836	36.904
11) 2,4-DB	19.01	18.55	306.7E6	148.9E6	195.527	214.484
12) Dinoseb	20.28	18.89	3488.5E6	1004.3E6	219.962	202.645
13) Picloram	20.13	20.02	3208.7E6	1652.9E6	168.948	186.657

10.6.59
10

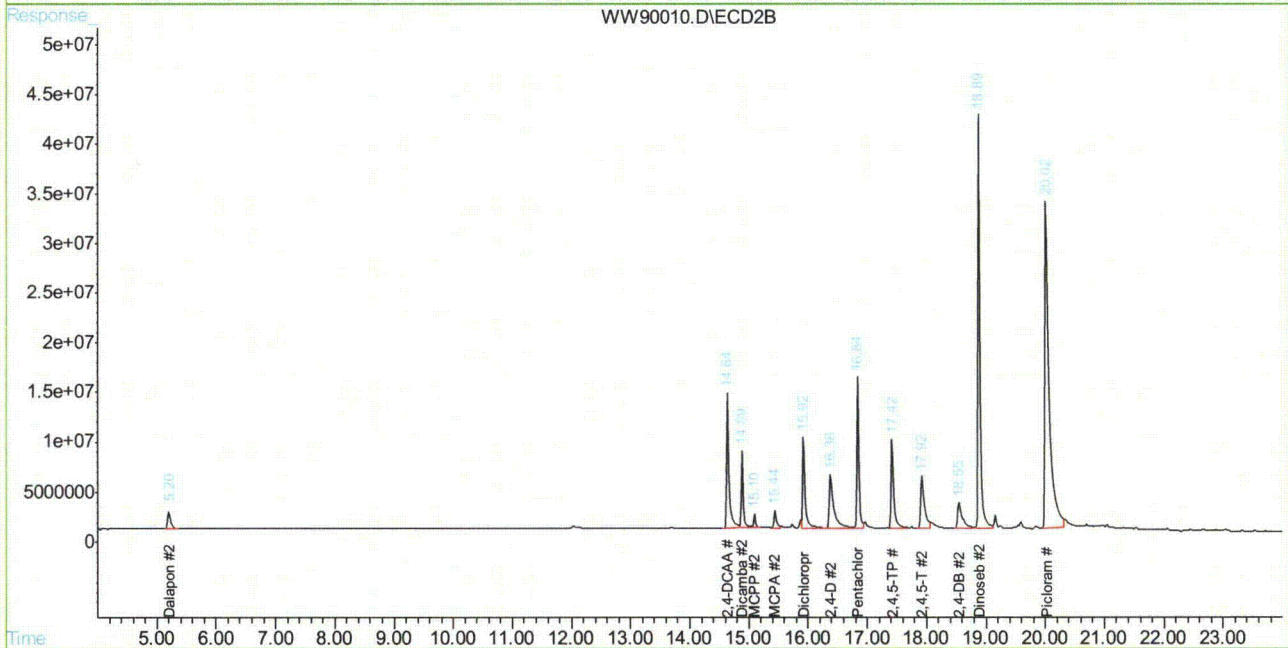
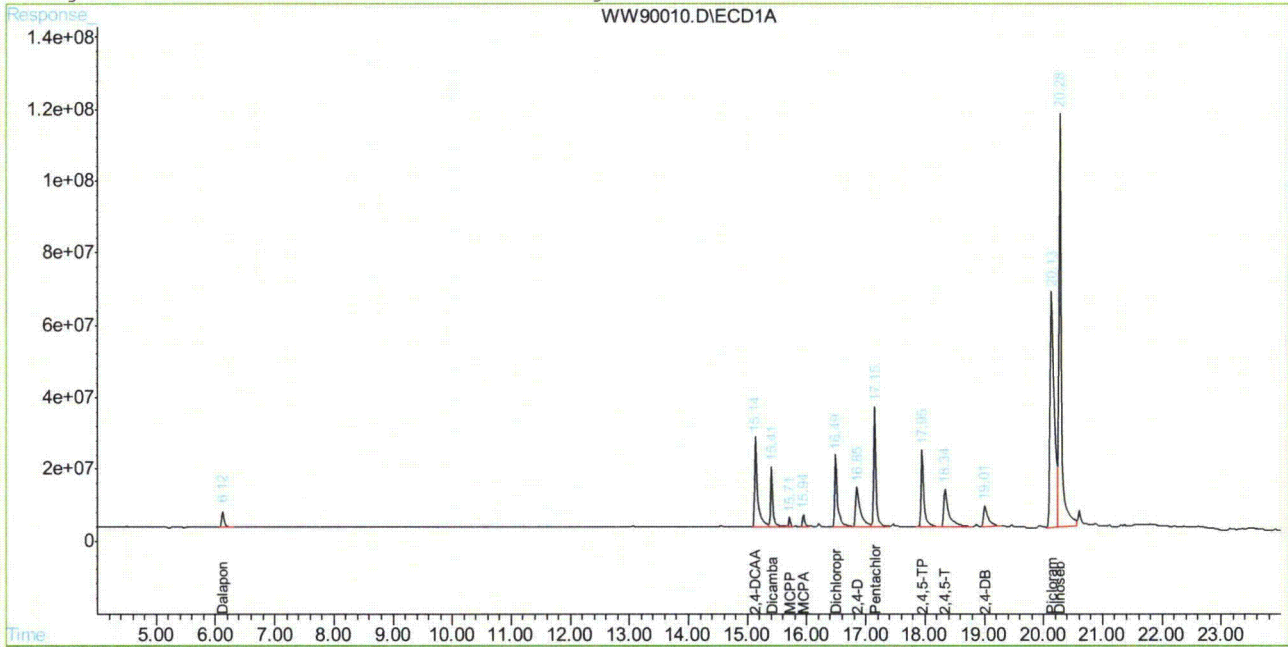
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90010.D HWW3143.M Tue May 04 11:15:07 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90010.D\ECD1A.CH Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90010.D\ECD2B.CH
 Acq On : 3 May 2010 5:04 pm Operator: toyar
 Sample : ic3143-200 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 8:57 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:54:38 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.59 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Owen McKenna
05/13/10 09:39

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD2B.CH
 Acq On : 3 May 2010 5:34 pm Operator: toyar
 Sample : ic3143-100 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:57:50 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB

System Monitoring Compounds						
2) S 2,4-DCAA	15.15	14.65	485.1E6	206.4E6	228.214	228.058
Spiked Amount	500.000		Recovery	=	45.64%	45.61%
Target Compounds						
1) Dalapon	6.12	5.20	75081360	36402271	22.015	23.163
3) Dicamba	15.41	14.89	242.0E6	93552620	22.209	22.096
4) MCPP	15.72	15.10	25861809	15852027	4733.613	5732.689
5) MCPA	15.95	15.45	53836668	30702917	5852.552	6950.565m
6) Dichloroprop	16.50	15.93	353.5E6	158.0E6	110.502	127.804
7) 2,4-D	16.86f	16.39	329.3E6	162.3E6	105.096	119.141
8) Pentachloropheno	17.15	16.85	465.0E6	175.3E6	10.104	9.941
9) 2,4,5-TP	17.95	17.42	379.6E6	148.2E6	20.985	20.743
10) 2,4,5-T	18.35f	17.93	344.9E6	123.4E6	21.556	20.095
11) 2,4-DB	19.02f	18.56f	157.9E6	84579451	101.203	119.650
12) Dinoseb	20.28	18.89	1919.9E6	513.3E6	118.113	103.227
13) Picloram	20.15f	20.03f	1468.7E6	811.6E6	80.452	93.198

10.6.60
10

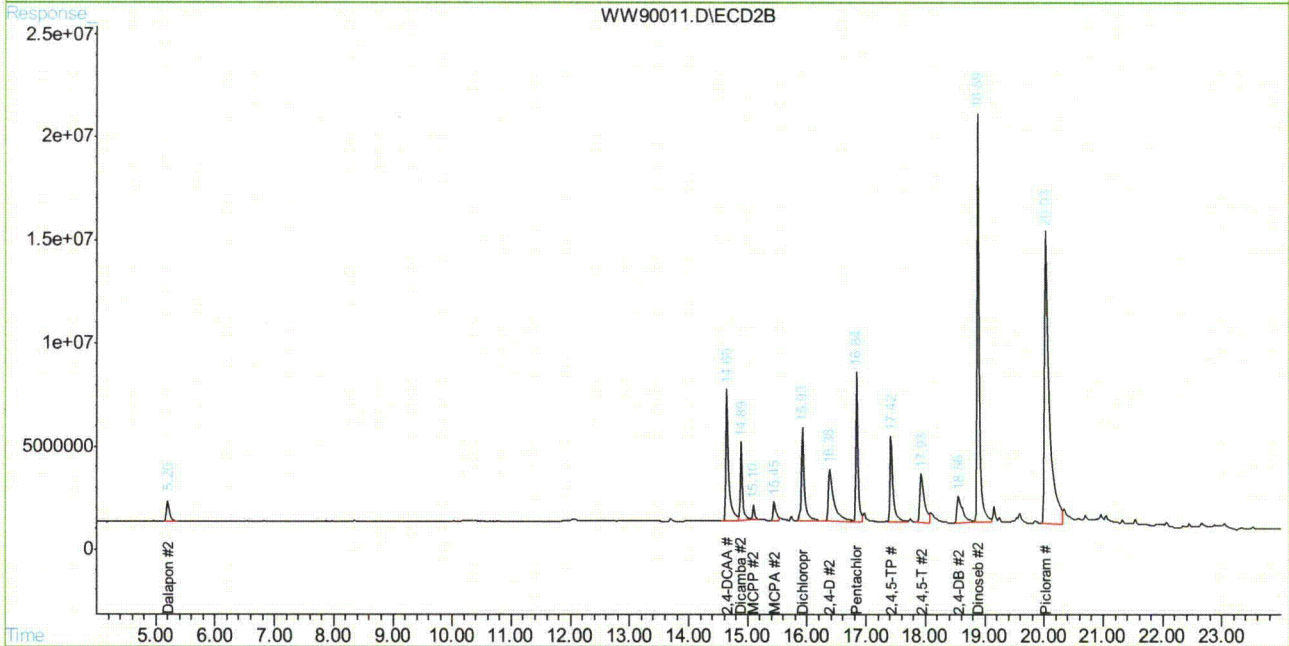
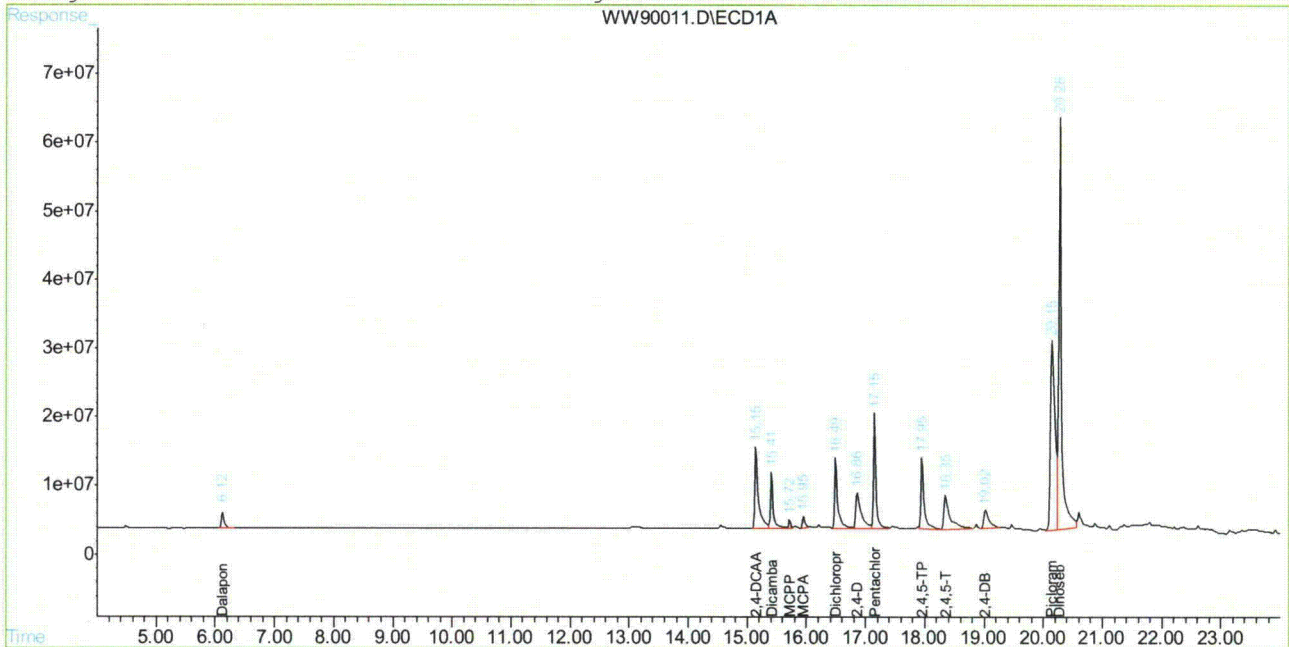
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90011.D HWW3143.M Tue May 04 11:15:21 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD2B.CH
 Acq On : 3 May 2010 5:34 pm Operator: toyar
 Sample : ic3143-100 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 08:57:50 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.60 10

Manual Integration Approval Summary

Sample Number: GWW3143-IC3143 **Method:** SW846 8151
Lab FileID: WW90011.D **Analyst approved:** 05/04/10 11:14 Toya Dagena Raffington
Injection Time: 05/03/10 17:34 **Supervisor approved:** 05/13/10 09:39 Owen McKenna

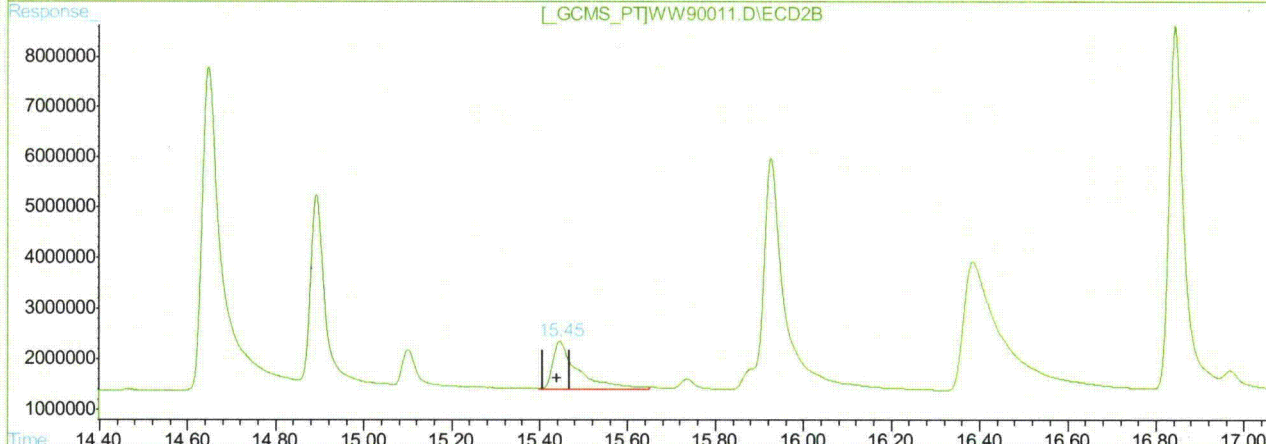
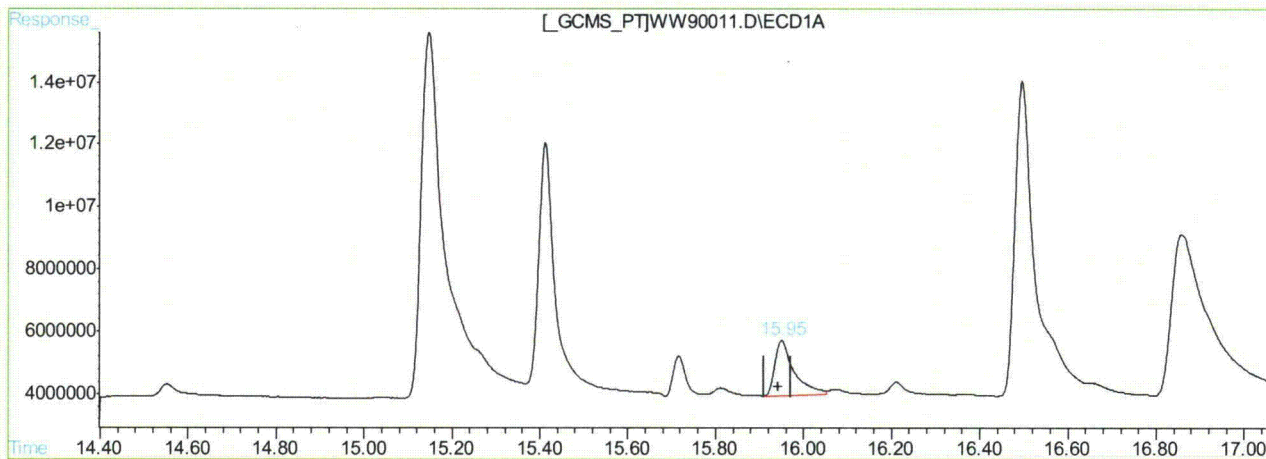
Parameter	CAS	Sig#	R.T. (min.)	Reason
MCPA	94-74-6	2	15.45	Poor instrument integration

10.6.60.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD2B.CH
 Acq On : 3 May 2010 5:34 pm Operator: toyar
 Sample : ic3143-100 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:00 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:07:45 2010
 Response via : Multiple Level Calibration



QEdit

(5) MCPA	
15.95min	5852.552PPB
response	53836668
(5) MCPA #2	
15.45min	8264.022PPB
response	36504888

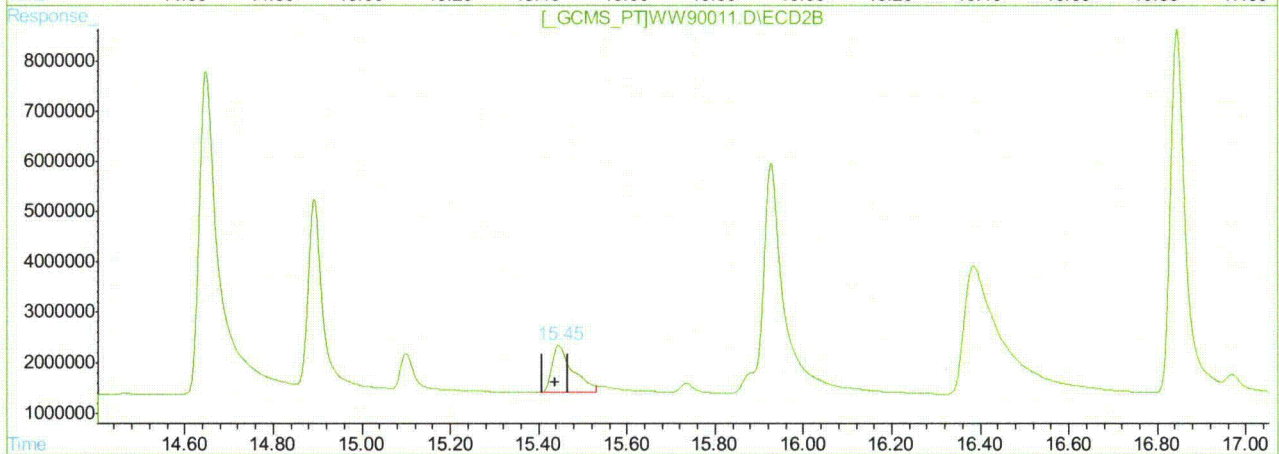
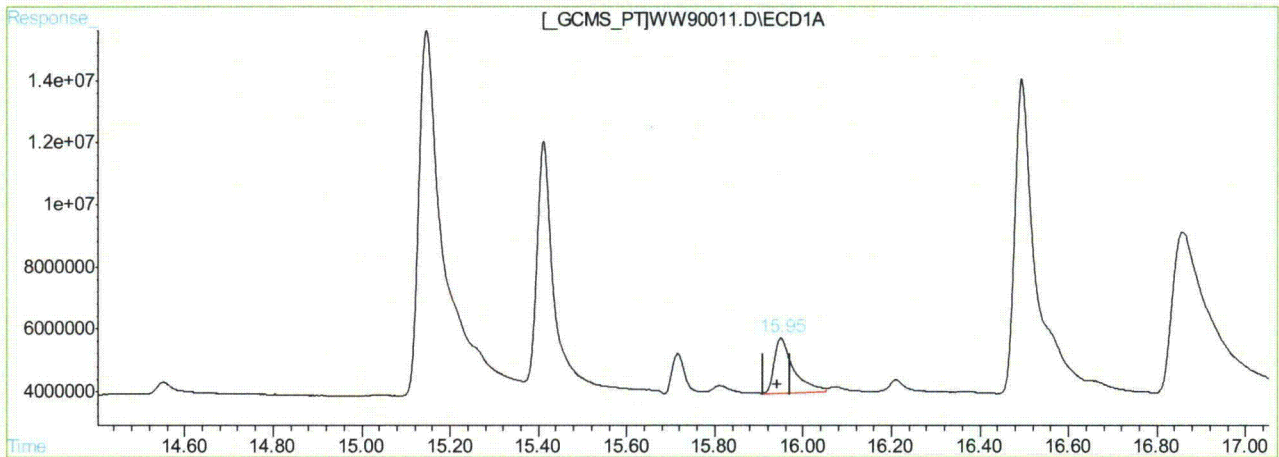
(+) = Expected Retention Time
 WW90011.D HWW3143.M Tue May 04 09:11:00 2010 GCCD

10.6.60.2 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90011.D\ECD2B.CH
 Acq On : 3 May 2010 5:34 pm Operator: toyar
 Sample : ic3143-100 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:17 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 10:51:55 2010
 Response via : Multiple Level Calibration



QEdit

(5) MCPA
 15.95min 5852.552PPB
 response 53836668

(5) MCPA #2
 15.45min 6950.565PPB m
 response 30702917

(+) = Expected Retention Time
 WW90011.D HWW3143.M Tue May 04 11:12:30 2010 GCCD

10.6.60.3
10

Manual Integrations
APPROVED
(compounds with "m" flag)
Owen McKenna
05/13/10 09:39

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
Acq On : 3 May 2010 6:03 pm Operator: toyar
Sample : ic3143-50 Inst : GCWW
Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 9:18 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 09:01:45 2010
Response via : Initial Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound RT#1 RT#2 Resp#1 Resp#2 PPB PPB

System Monitoring Compounds

2) S 2,4-DCAA 15.16 14.66 226.6E6 98816140 103.673 106.222
Spiked Amount 500.000 Recovery = 20.73% 21.24%

Target Compounds

1)	Dalapon	6.12	5.20	34163032	16951695	9.819	10.456
3)	Dicamba	15.42	14.90	116.8E6	46043004	10.485	10.652
4)	MCPFP	15.72	15.11	9526278	10155279	1762.421	3567.963 #
5)	MCPA	15.96	15.45	27435762	16272872	2884.169	3258.447m
6)	Dichloroprop	16.50	15.93	154.7E6	75930904	47.364m	58.174
7)	2,4-D	16.87	16.40	143.0E6	70453125	45.178	49.819
8)	Pentachloropheno	17.16	16.85	209.9E6	73687429	4.551	4.183
9)	2,4,5-TP	17.96	17.43	158.4E6	64549386	8.672	8.969
10)	2,4,5-T	18.36	17.94	104.1E6	52358901	6.406	8.515 #
11)	2,4-DB	19.04	18.57	73165520	34368669	46.789	46.781m
12)	Dinoseb	20.28	18.89	916.6E6	228.0E6	54.417	45.562
13)	Picloram	20.16	20.05	547.4E6	328.0E6	31.204	38.186

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90012.D HWW3143.M Wed May 05 11:37:28 2010 GCCD

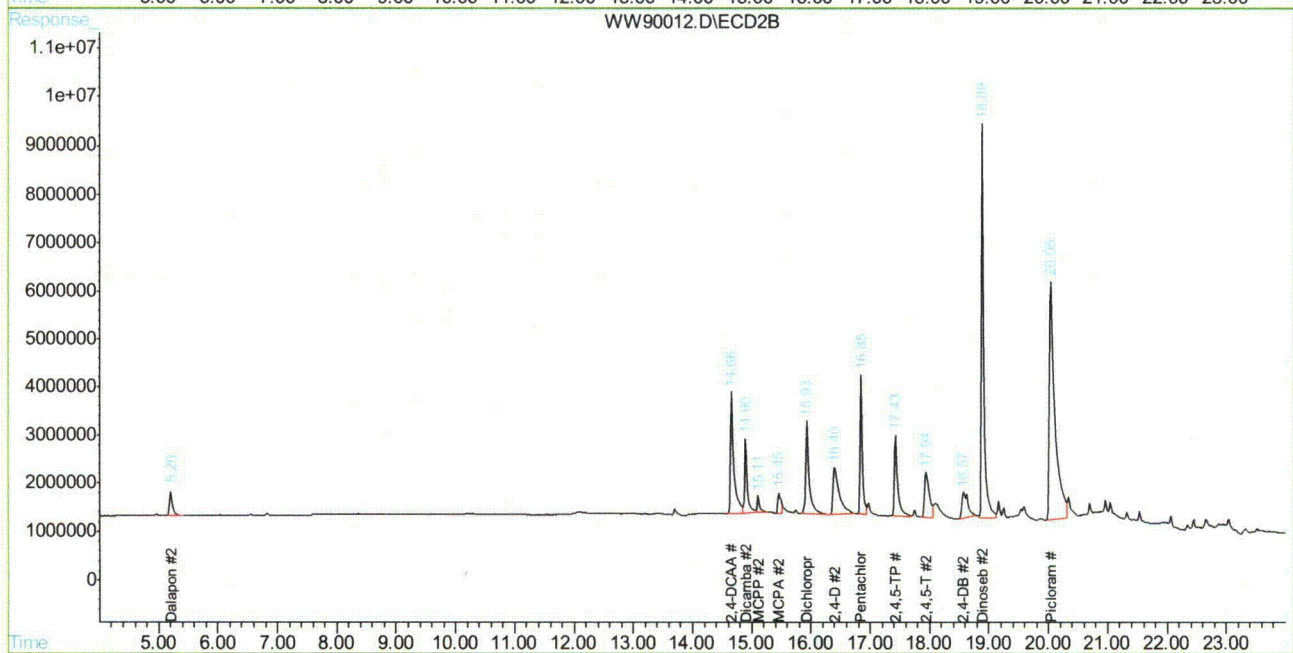
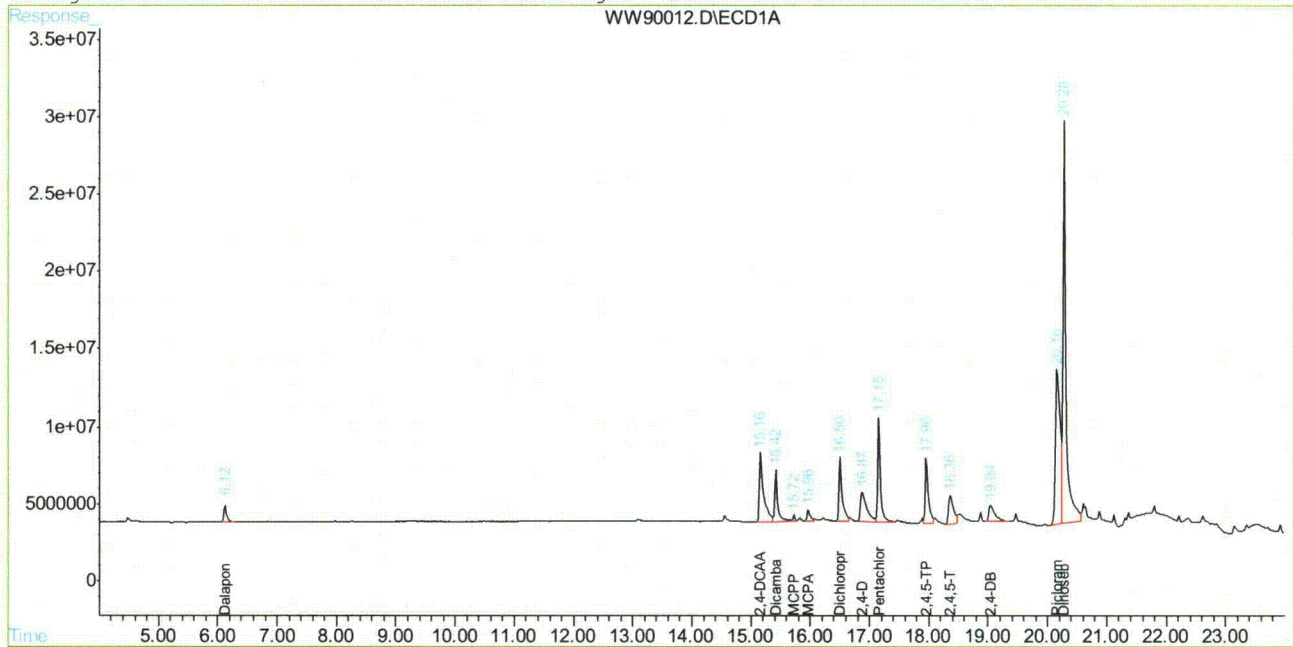
10.6.61
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:18 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:01:45 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

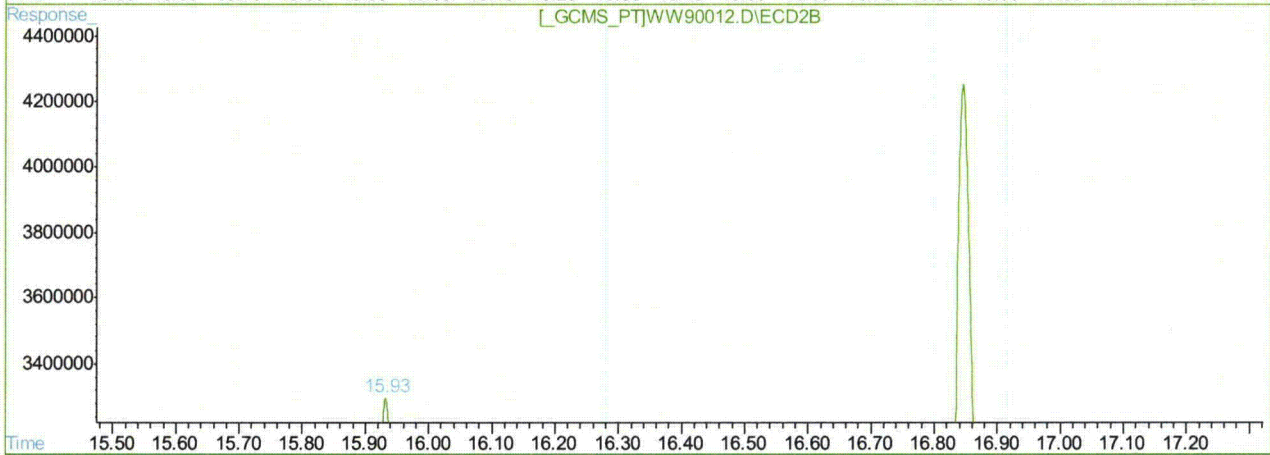
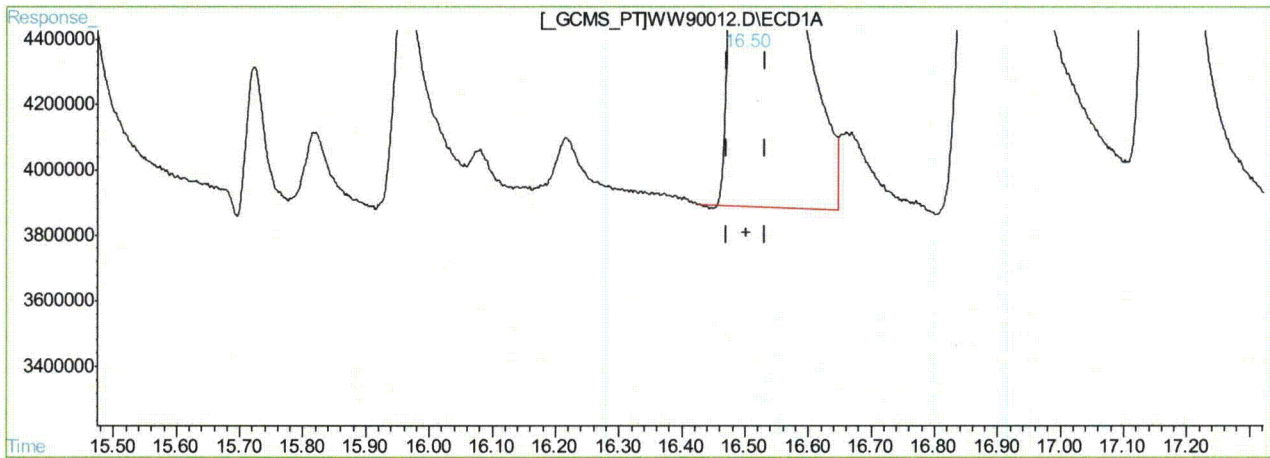


10.6.61 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:06 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:01:45 2010
 Response via : Multiple Level Calibration



QEdit

(6) Dichloroprop	16.50min	46.723PPB
response	152602037	
(6) Dichloroprop #2	15.93min	58.174PPB
response	75930904	

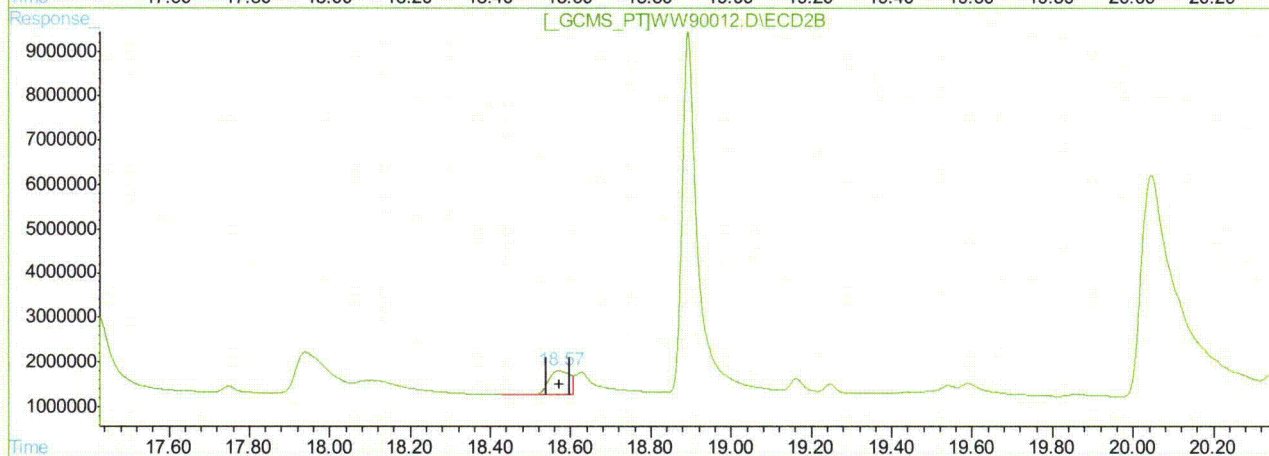
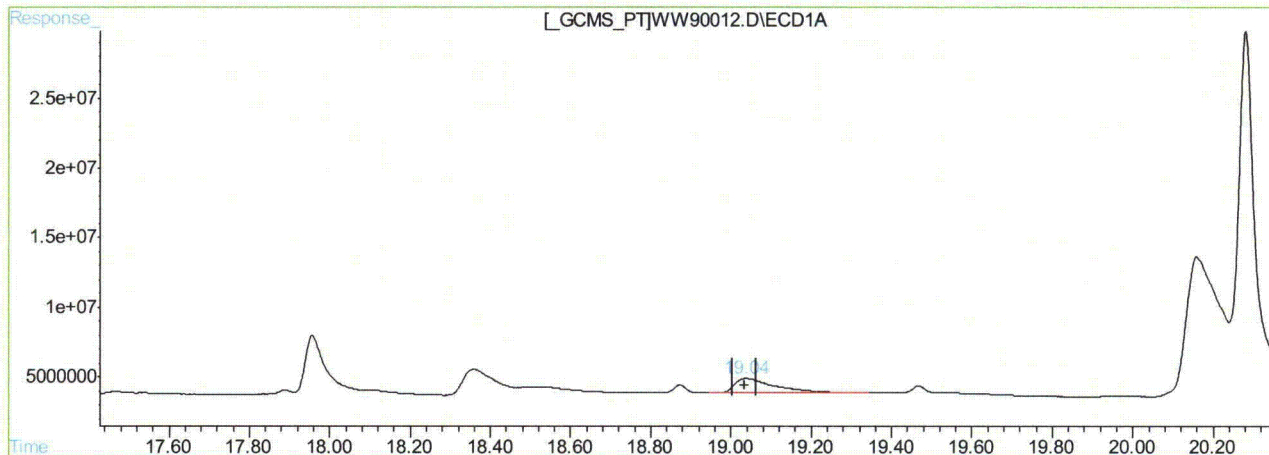
(+) = Expected Retention Time
 WW90012.D HWW3143.M Tue May 04 09:07:05 2010 GCCD

10.6.61.1 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:06 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:01:45 2010
 Response via : Multiple Level Calibration



QEdit

(11) 2,4-DB	19.04min	46.789PPB
response	73165520	
(11) 2,4-DB #2	18.57min	27.176PPB
response	19965488	

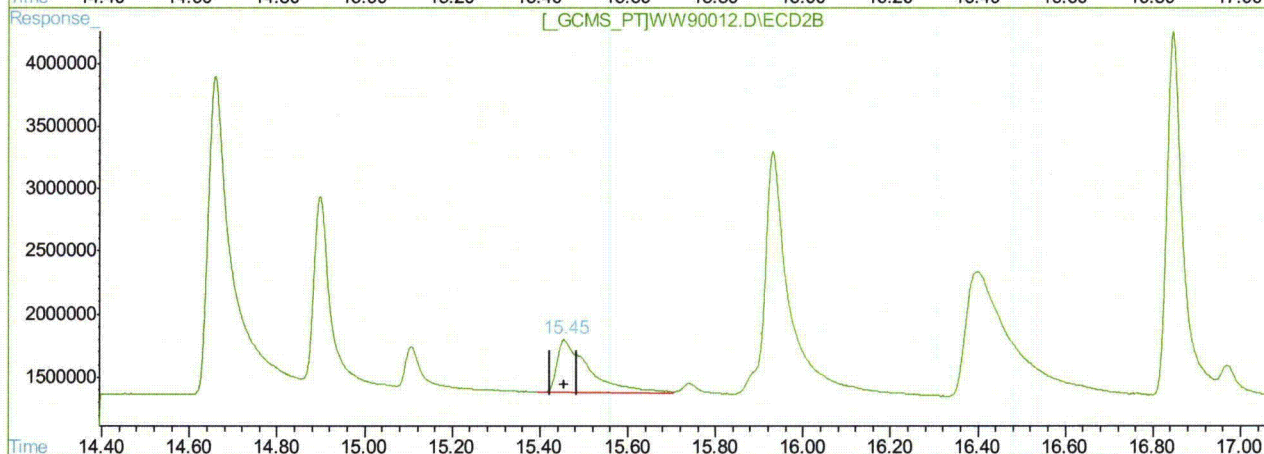
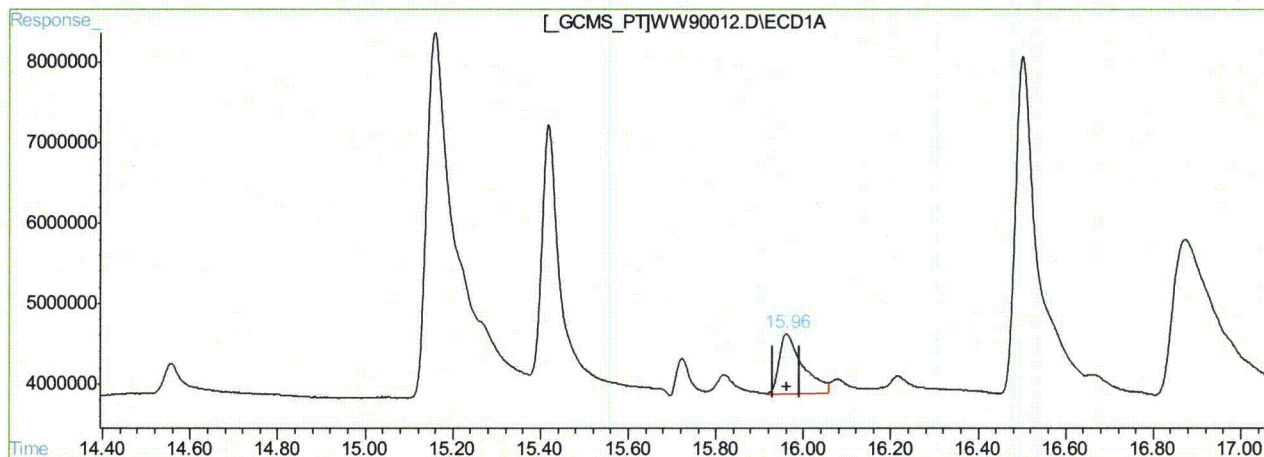
(+) = Expected Retention Time
 WW90012.D HWW3143.M Tue May 04 09:07:29 2010 GCCD

10.6.61.2 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:07 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:11:22 2010
 Response via : Multiple Level Calibration



QEdit

(5) MCPA	
15.96min	2884.169PPB
response	27435762
(5) MCPA #2	
15.46min	4303.851PPB
response	21493679

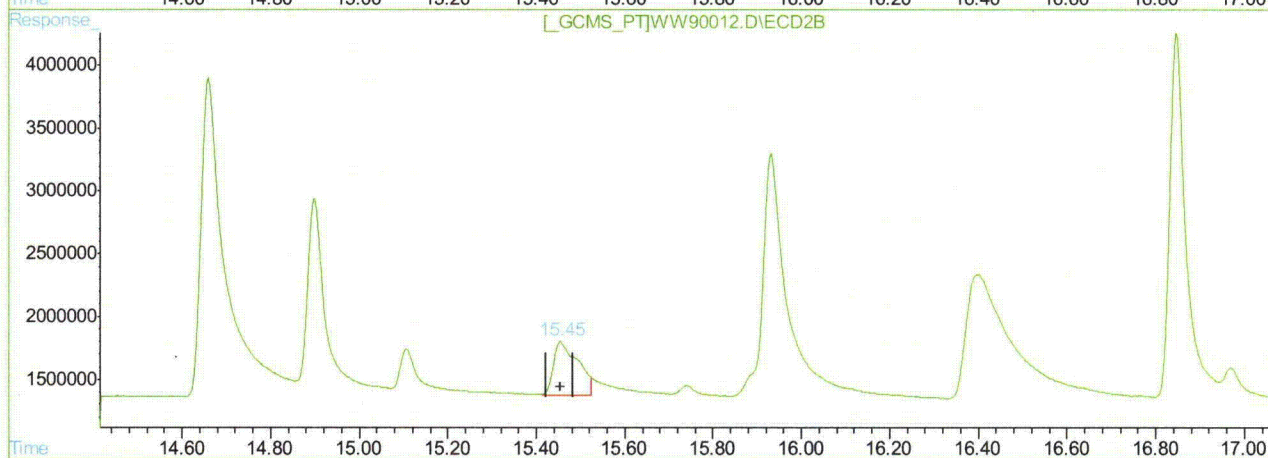
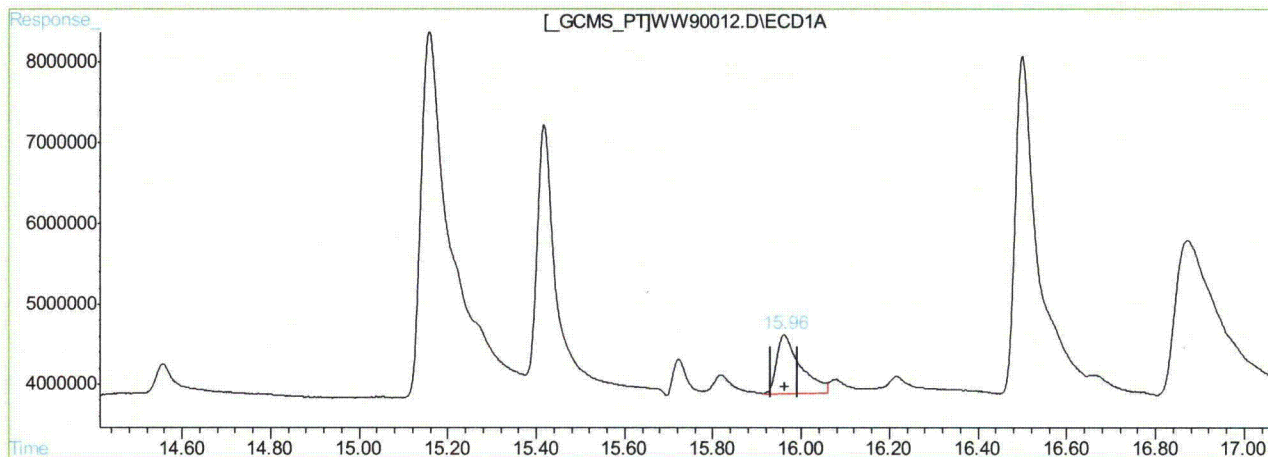
(+) = Expected Retention Time
 WW90012.D HWW3143.M Tue May 04 09:11:41 2010 GCCD

10.6.61.3 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:18 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 10:51:55 2010
 Response via : Multiple Level Calibration



(5) MCPA
 15.96min 2884.169PPB
 response 27435762

(5) MCPA #2
 15.45min 3258.447PPB m
 response 16272872

(+) = Expected Retention Time

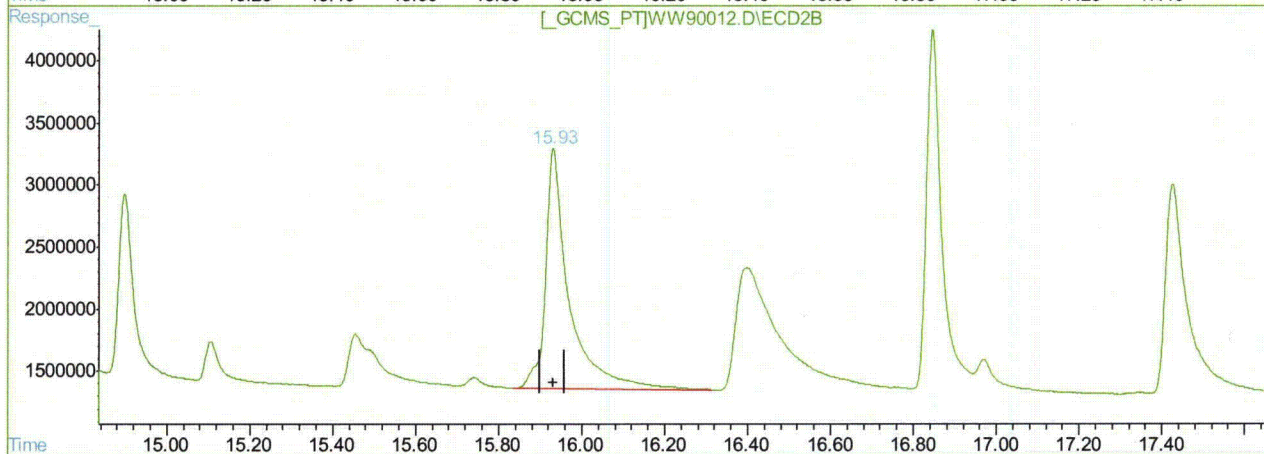
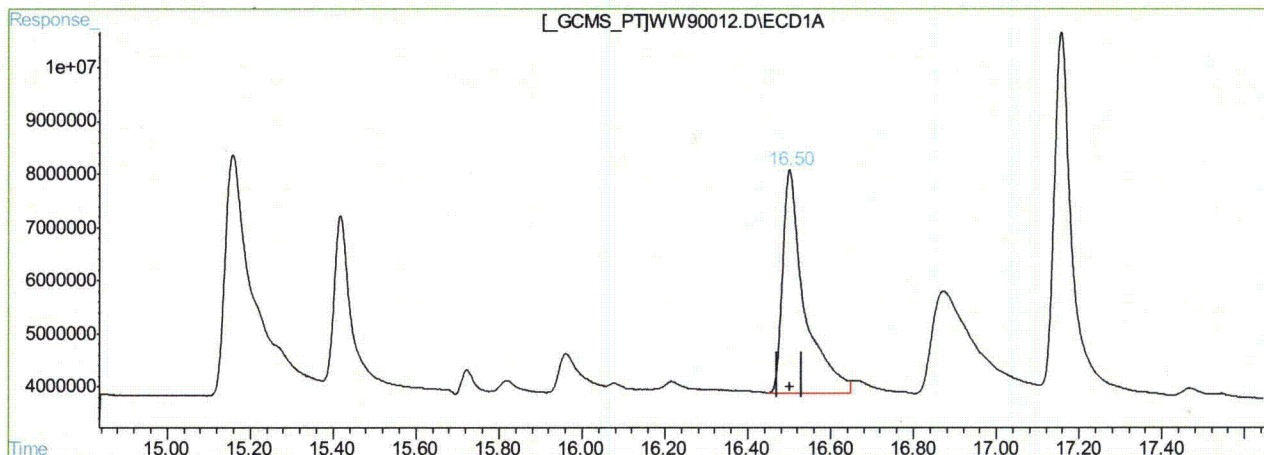
WW90012.D HWW3143.M Tue May 04 11:12:43 2010 GCCD

10.6.61.4 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:18 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 10:51:55 2010
 Response via : Multiple Level Calibration



QEdit

(6) Dichloroprop	
16.50min	47.364PPB m
response	154693042
(6) Dichloroprop #2	
15.93min	58.174PPB
response	75930904

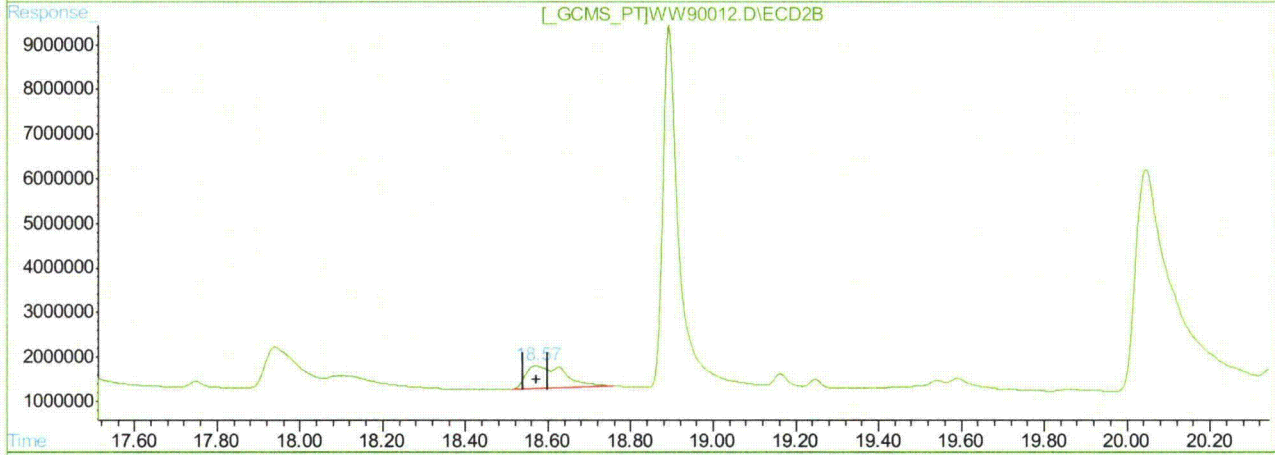
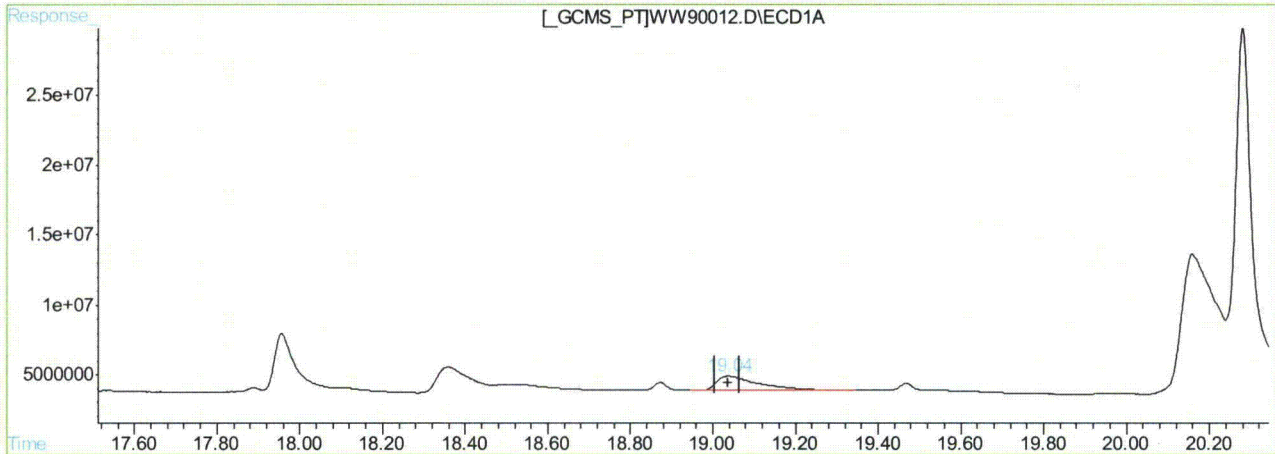
(+) = Expected Retention Time
 WW90012.D HWW3143.M Tue May 04 11:12:55 2010 GCCD

10.6.61.5 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90012.D\ECD2B.CH
 Acq On : 3 May 2010 6:03 pm Operator: toyar
 Sample : ic3143-50 Inst : GCWW
 Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:18 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 10:51:55 2010
 Response via : Multiple Level Calibration



QEdit

(11) 2,4-DB	
19.04min	46.789PPB
response	73165520
(11) 2,4-DB #2	
18.57min	46.781PPB m
response	34368669

(+) = Expected Retention Time
 WW90012.D HWW3143.M Tue May 04 11:13:06 2010 GCCD

10.6.61.6
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD1A.CH Vial: 8
 Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD2B.CH
 Acq On : 3 May 2010 6:34 pm Operator: toyar
 Sample : icv3143-300 Inst : GCWW
 Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: May 4 9:28 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 09:27:47 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.14f	14.64f	1263.4E6	538.9E6	574.552	573.338
Spiked Amount	500.000		Recovery	=	114.91%	114.67%

Target Compounds

1) Dalapon	6.12	5.20	207.1E6	96184844	59.706	58.880
3) Dicamba	15.41	14.89	649.0E6	253.6E6	57.808	58.027
4) MCPPP	15.71	15.10	84430320	40467544	16427.928	13272.897
5) MCPA	15.94f	15.44f	151.2E6	72740454	15496.642	15275.260
6) Dichloroprop	16.49	15.92	741.4E6	320.0E6	229.004	238.701
7) 2,4-D	16.85f	16.37f	614.3E6	532.5E6	197.258	376.751 #
8) Pentachloropheno	17.15	16.84	1462.0E6	589.4E6	32.184	34.395
9) 2,4,5-TP	17.95	17.42	988.6E6	400.3E6	55.342	56.595
10) 2,4,5-T	18.34f	17.92f	951.2E6	397.0E6	62.267	66.205
11) 2,4-DB	19.01f	18.54f	510.6E6	194.5E6	330.060	267.644
12) Dinoseb	20.28	18.89	5440.5E6	1534.1E6	318.309	311.132
13) Picloram	20.13f	20.02f	4150.1E6	2152.7E6	252.404	260.904

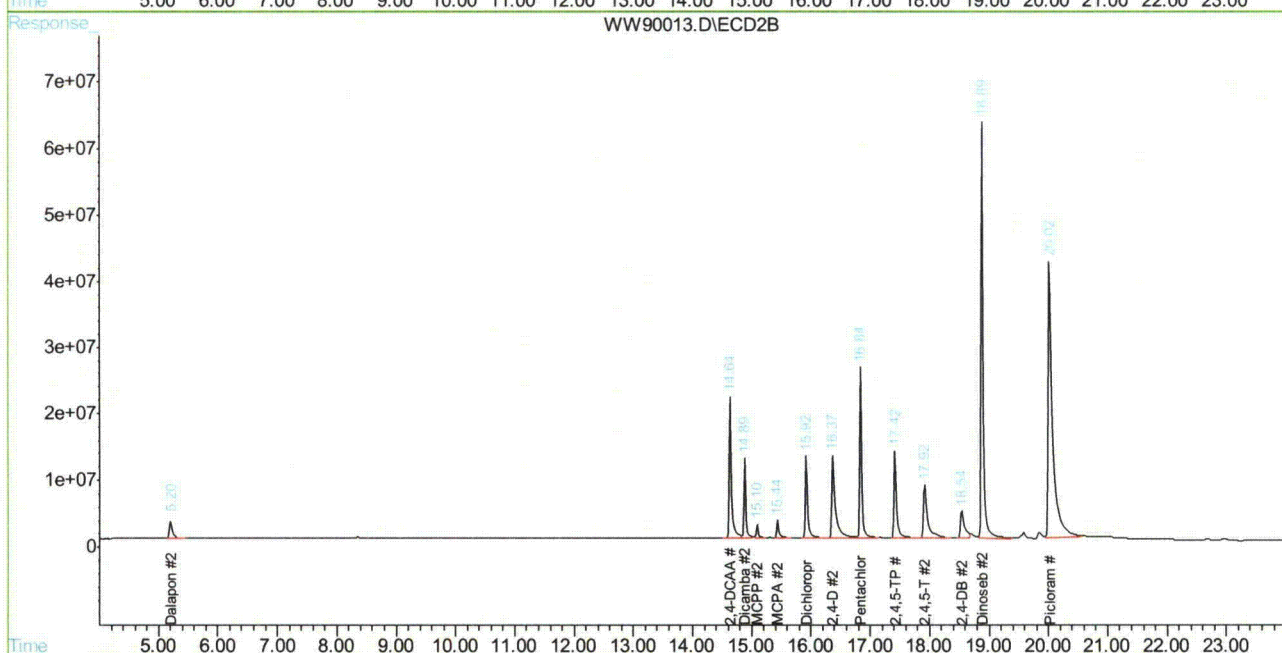
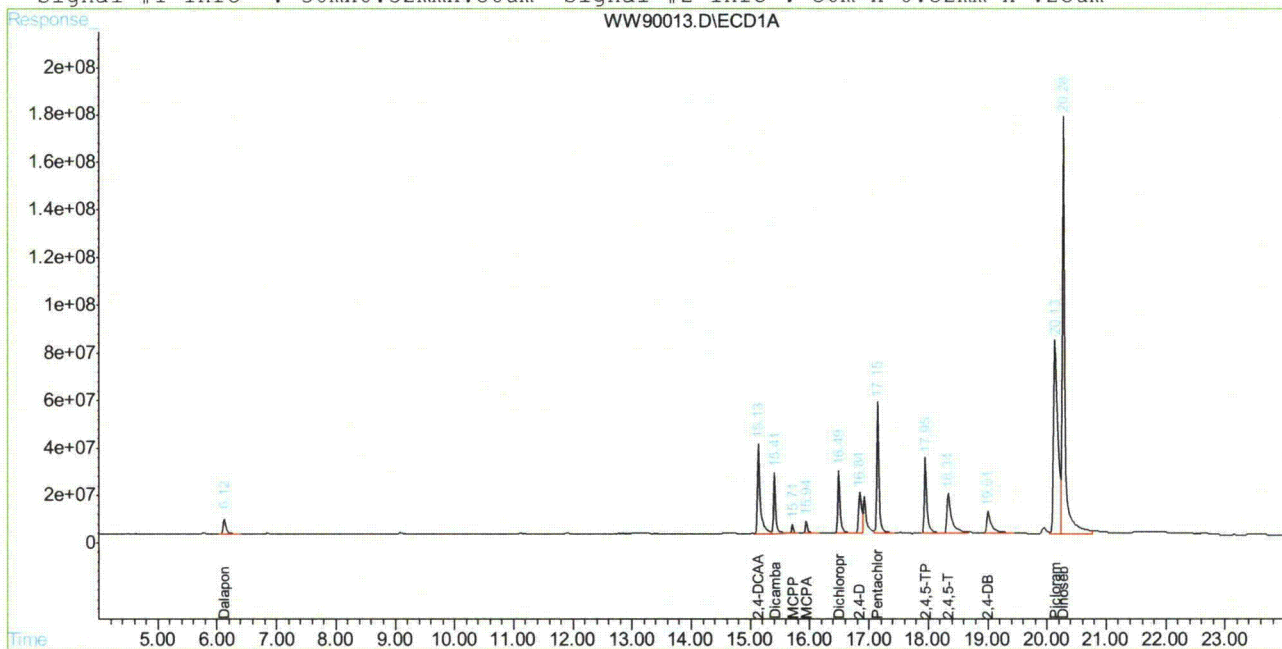
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW90013.D HWW3143.M Tue May 04 11:15:35 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD2B.CH
Acq On : 3 May 2010 6:34 pm Operator: toyar
Sample : icv3143-300 Inst : GCWW
Misc : OP43177,Gww3143,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 9:28 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 09:27:47 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info: 30m x 0.32mm x .25um

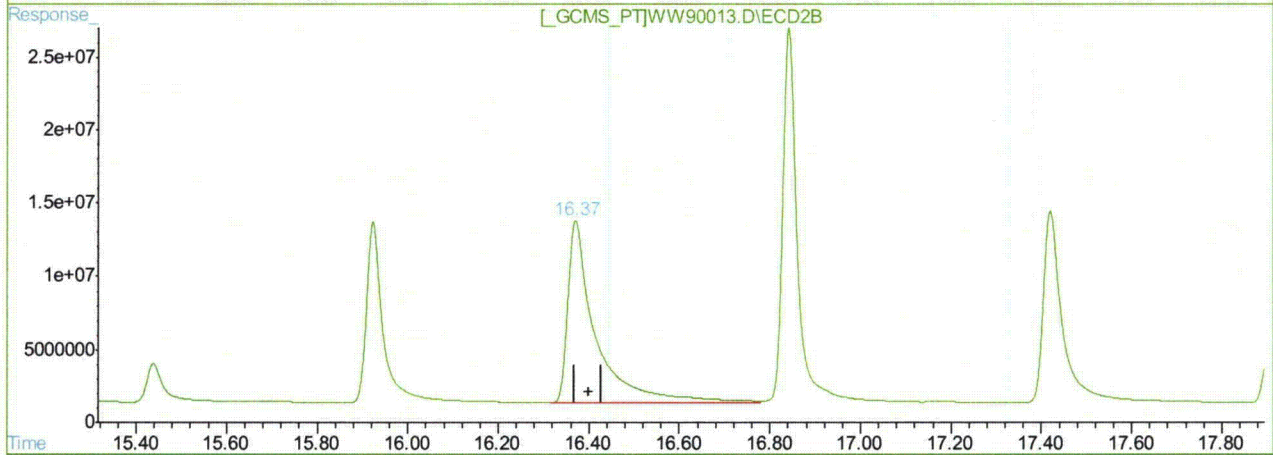
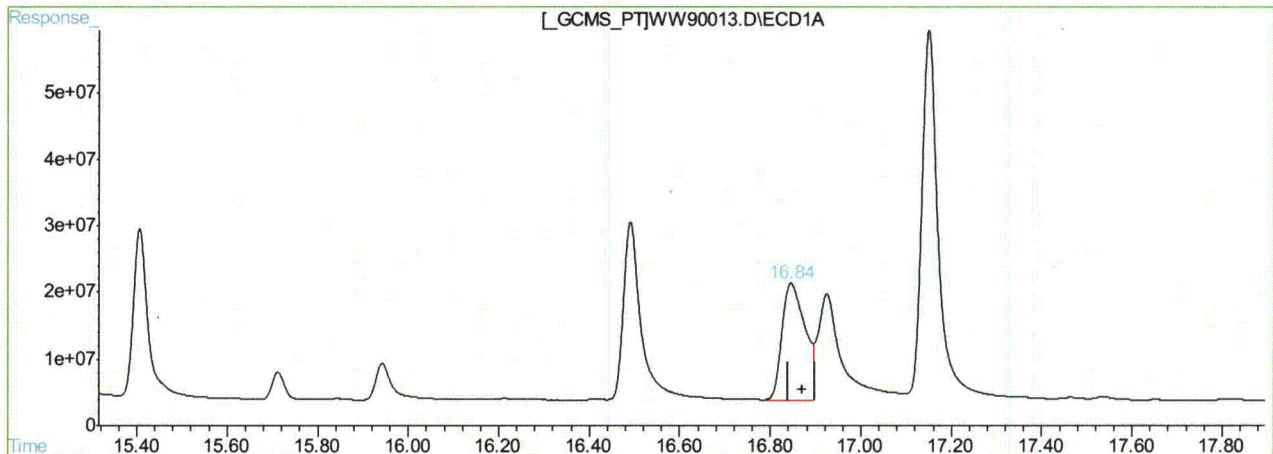


10.6.62 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\GWW3143\WW90013.D\ECD2B.CH
Acq On : 3 May 2010 6:34 pm Operator: toyar
Sample : icv3143-300 Inst : GCWW
Misc : OP43177,Gww3140,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 9:07 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 09:07:45 2010
Response via : Multiple Level Calibration



(7) 2,4-D
16.85min 197.258PPB
response 614299406

(7) 2,4-D #2
16.37min 376.751PPB
response 532473451

(+) = Expected Retention Time
WW90013.D HWW3143.M Tue May 04 09:08:29 2010 GCCD

10.6.62.1
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3144\WW90026.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GWW3144\WW90026.D\ECD2B.CH
Acq On : 4 May 2010 10:18 am Operator: toyar
Sample : ICV3143-300 Inst : GCWW
Misc : OP43346,Gww3144,37.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 17:35 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 14:10:43 2010
Response via : Initial Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

Target Compounds	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
7) 2,4-D	16.88	16.40	922.5E6	427.7E6	296.233	302.621

10.6.63
10

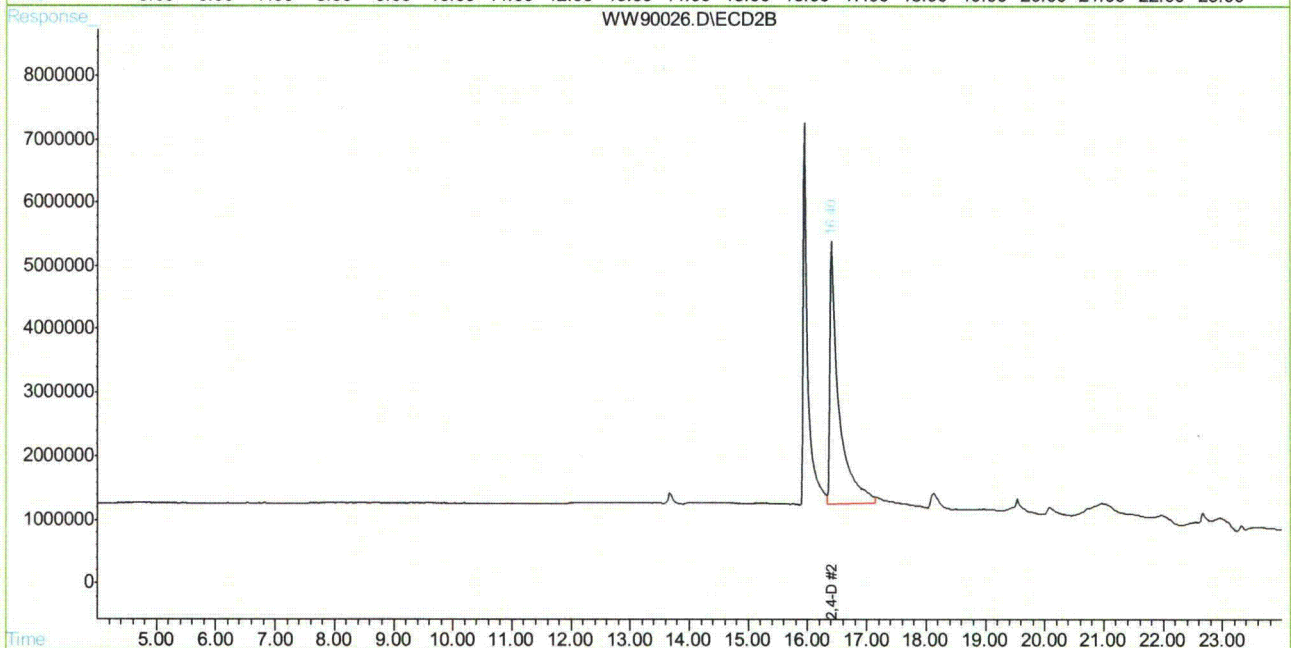
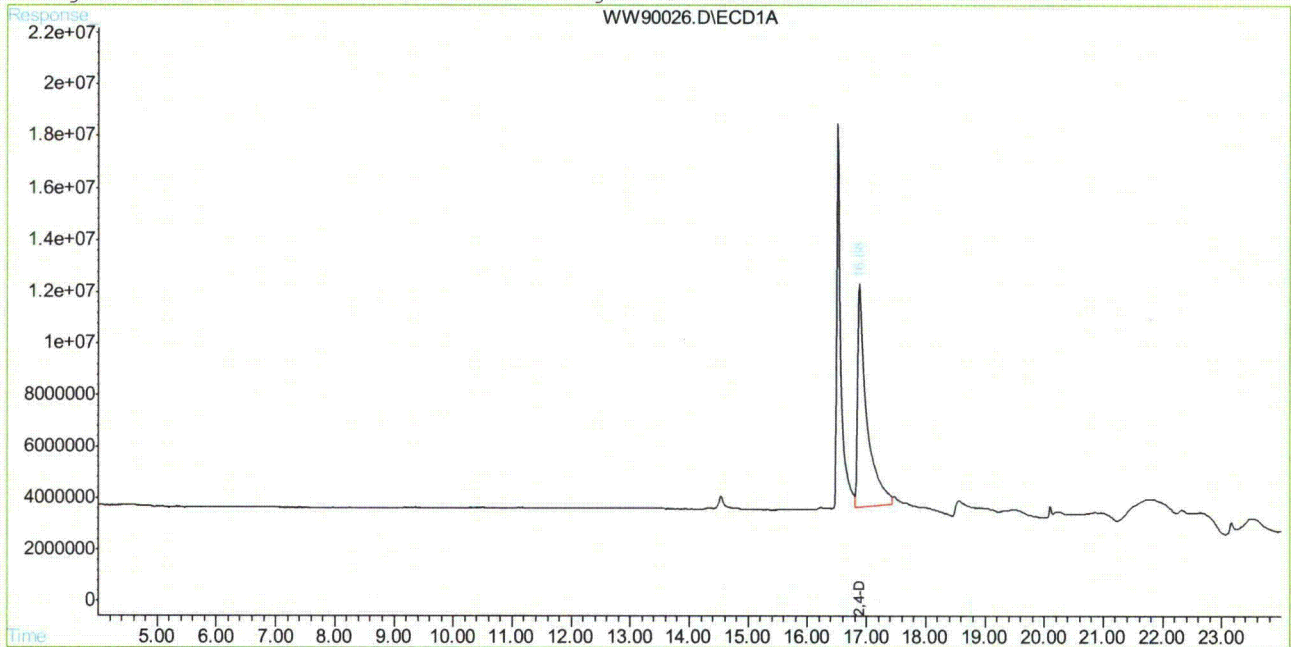
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90026.D HWW3143.M Tue May 04 17:35:54 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3144\WW90026.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GWW3144\WW90026.D\ECD2B.CH
Acq On : 4 May 2010 10:18 am Operator: toyar
Sample : ICV3143-300 Inst : GCWW
Misc : OP43346,Gww3144,37.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 17:35 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 14:10:43 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.63 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3144\WW90038.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\GWW3144\WW90038.D\ECD2B.CH
Acq On : 4 May 2010 5:50 pm Operator: toyar
Sample : icv3143-300 Inst : GCWW
Misc : OP43235,Gww3144,1000,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 18:05 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 18:02:18 2010
Response via : Initial Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound RT#1 RT#2 Resp#1 Resp#2 PPB PPB

System Monitoring Compounds

Target Compounds	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
6) Dichloroprop	16.53	15.97	842.0E6	349.6E6	260.088	260.714

10.6.64
10

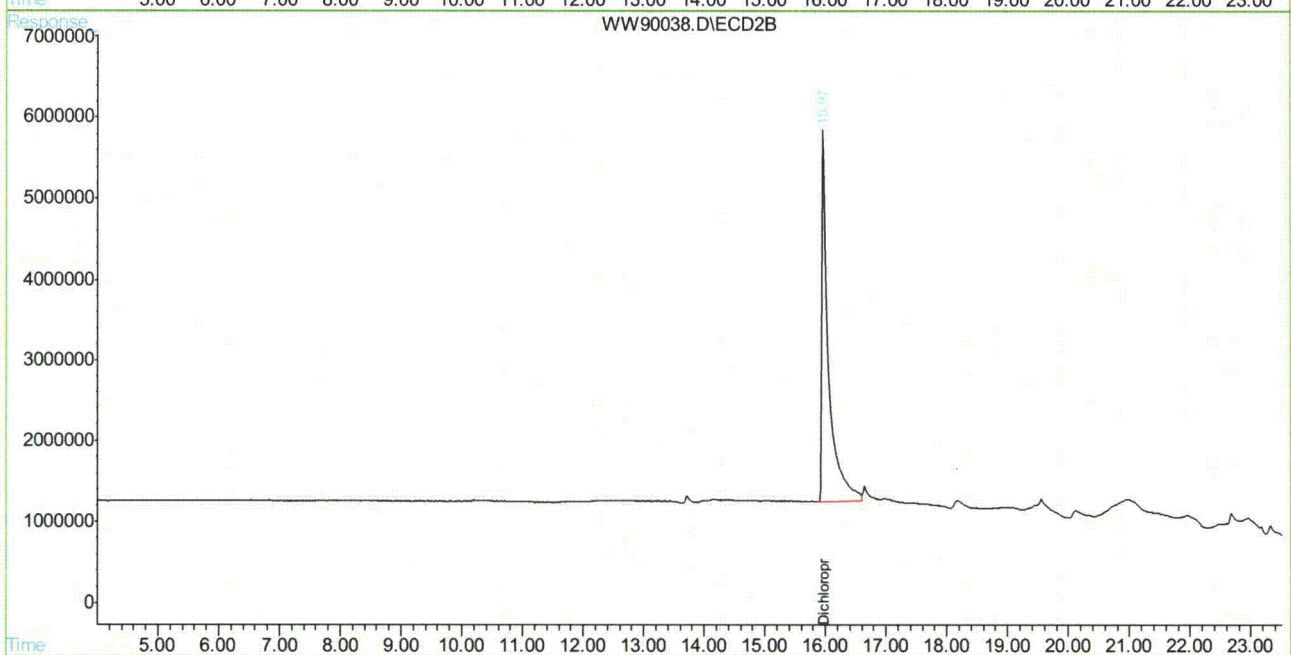
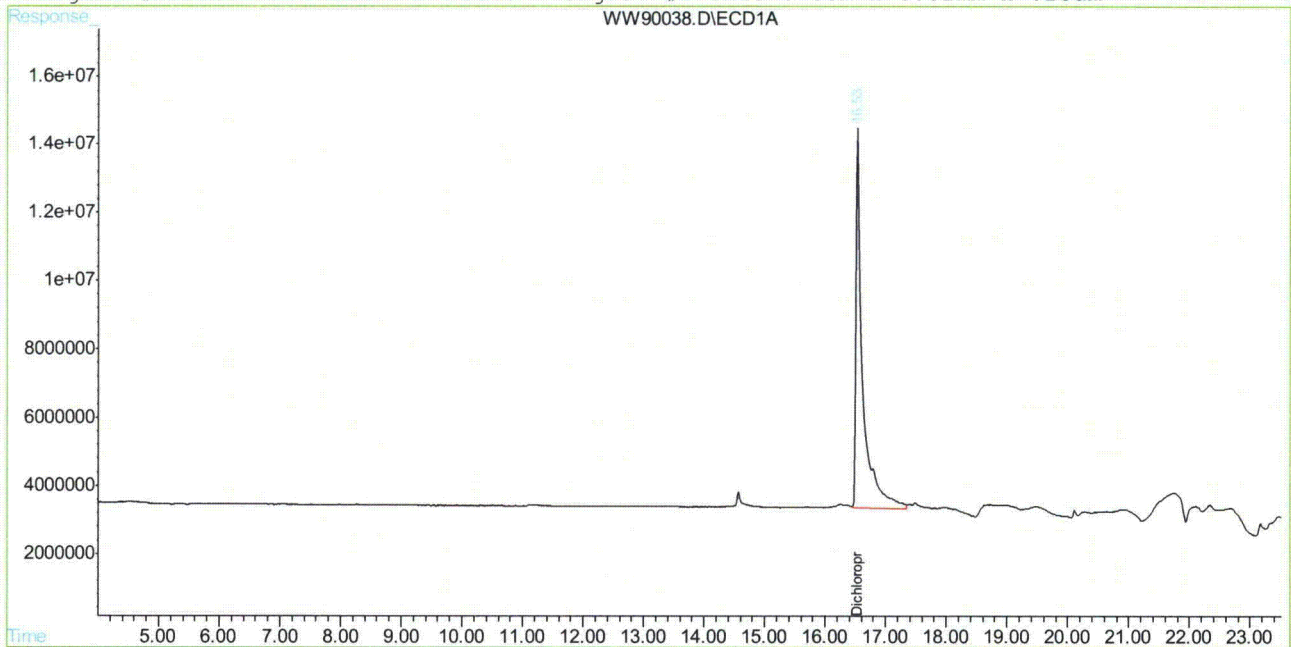
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90038.D HWW3143.M Tue May 04 18:05:42 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3144\WW90038.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\GWW3144\WW90038.D\ECD2B.CH
Acq On : 4 May 2010 5:50 pm Operator: toyar
Sample : icv3143-300 Inst : GCWW
Misc : OP43235,Gww3144,1000,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 4 18:05 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 04 18:02:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.64 10

Manual Integrations
APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
10/20/10 15:54

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD2B.CH
Acq On : 19 Oct 2010 10:35 am Operator: toyar
Sample : cc3143-200 Inst : GCWW
Misc : OP46081,Gww3331,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 19 11:50 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue Oct 19 10:49:56 2010
Response via : Initial Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB

System Monitoring Compounds						
2) S 2,4-DCAA	15.13	14.63	1011.0E6	389.9E6	459.770	414.835
Spiked Amount	500.000		Recovery	=	91.95%	82.97%
Target Compounds						
1) Dalapon	6.09	5.17	149.6E6	61986157	43.132	37.945
3) Dicamba	15.39	14.87	538.1E6	186.5E6	47.932	42.692
4) MCPP	15.69	15.08	52703760	31107601	10254.770	10202.942
5) MCPA	15.93	15.43	116.6E6	59152744	11946.890	12421.885
6) Dichloroprop	16.47	15.91	606.5E6	238.2E6	187.345	177.620
7) 2,4-D	16.87	16.39	603.4E6	275.1E6	193.763	194.673
8) Pentachloropheno	17.13	16.83	1125.1E6	375.2E6	24.769	21.894
9) 2,4,5-TP	17.94	17.41	744.6E6	255.1E6	41.683	36.065
10) 2,4,5-T	18.37	17.95	710.5E6	243.5E6	46.508	40.600
11) 2,4-DB	19.05	18.59	345.9E6	147.0E6	223.613	202.309
12) Dinoseb	20.25	18.88	3450.7E6	885.3E6	201.890m	179.552
13) Picloram	20.22	20.08	366.5E6	705.7E6	22.287m	85.523 #

10.6.65 10

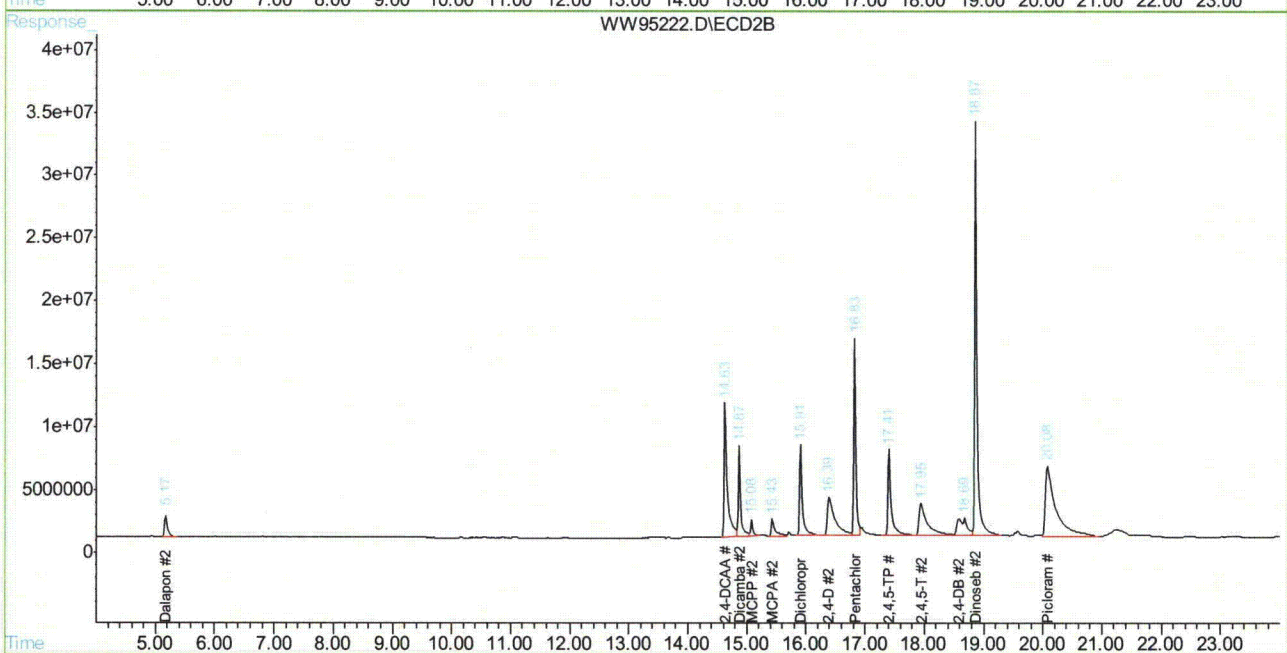
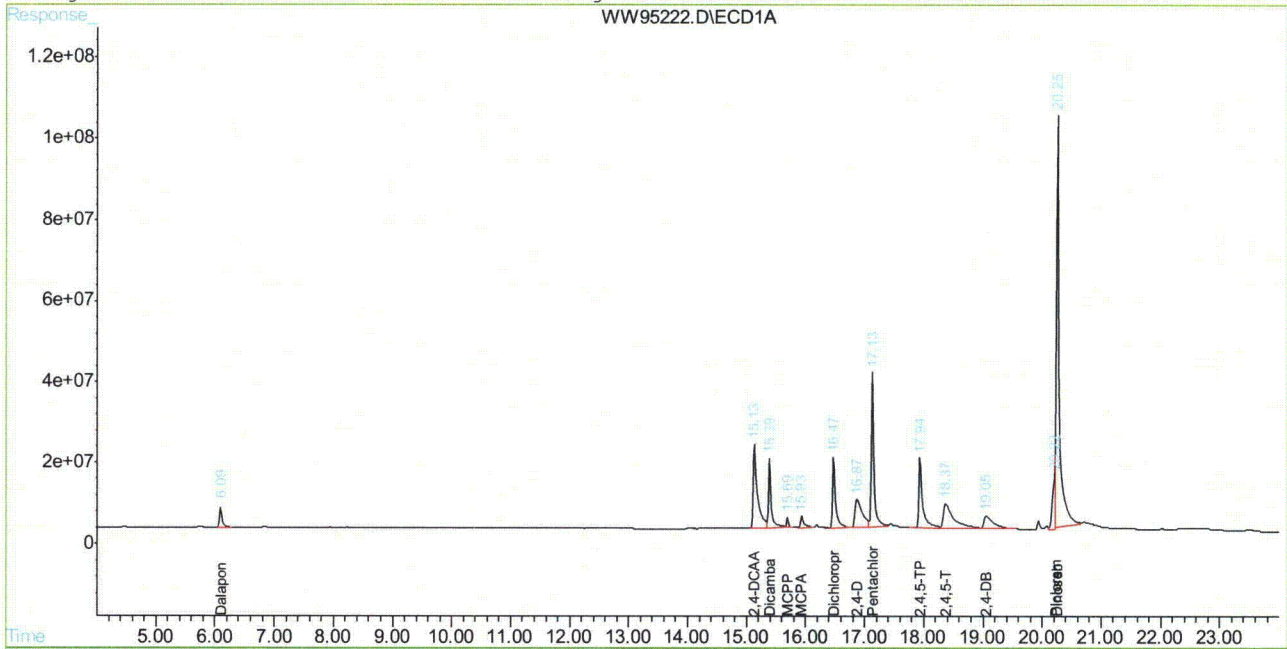
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95222.D HWW3143.M Tue Oct 19 11:51:10 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD2B.CH
 Acq On : 19 Oct 2010 10:35 am Operator: toyar
 Sample : cc3143-200 Inst : GCWW
 Misc : OP46081,Gww3331,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 19 11:50 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue Oct 19 10:49:56 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.65
10

Manual Integration Approval Summary

Sample Number: GWW3331-CC3143 **Method:** SW846 8151
Lab FileID: WW95222.D **Analyst approved:** 10/20/10 10:00 Toya Dagena Raffington
Injection Time: 10/19/10 10:35 **Supervisor approved:** 10/20/10 15:54 Cheng-Hwan Ao

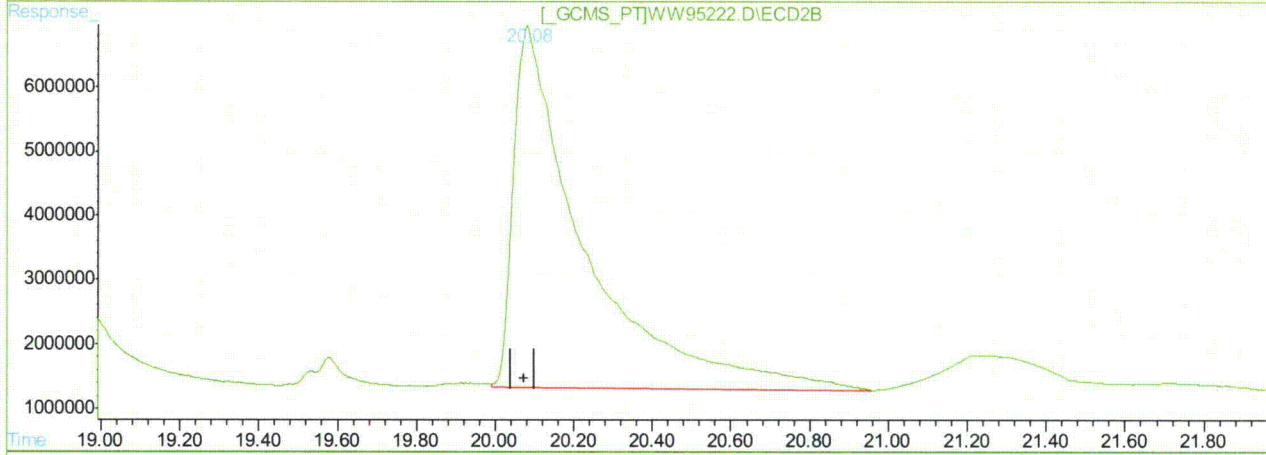
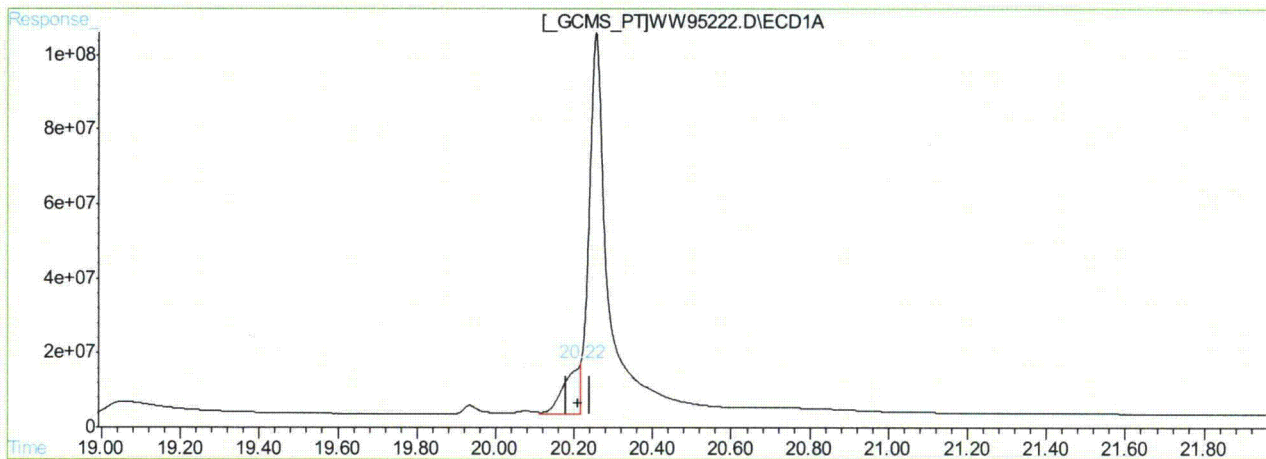
Parameter	CAS	Sig#	R.T. (min.)	Reason
Picloram	1918-02-1	1	20.22	Overlapping peak
Dinoseb	88-85-7	1	20.25	Overlapping peak

10.6.65.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD2B.CH
Acq On : 19 Oct 2010 10:35 am Operator: toyar
Sample : cc3143-200 Inst : GCWW
Misc : OP46081,Gww3331,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 19 10:50 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue Oct 19 11:49:17 2010
Response via : Multiple Level Calibration



(13) Picloram
20.22min 22.287PPB m
response 366452674

(13) Picloram #2
20.08min 85.523PPB
response 705656912

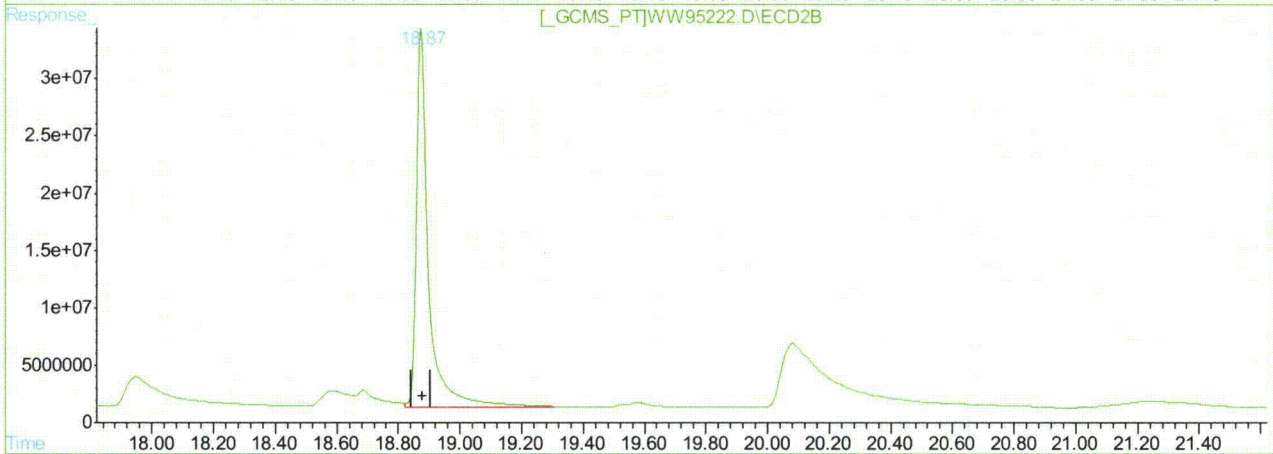
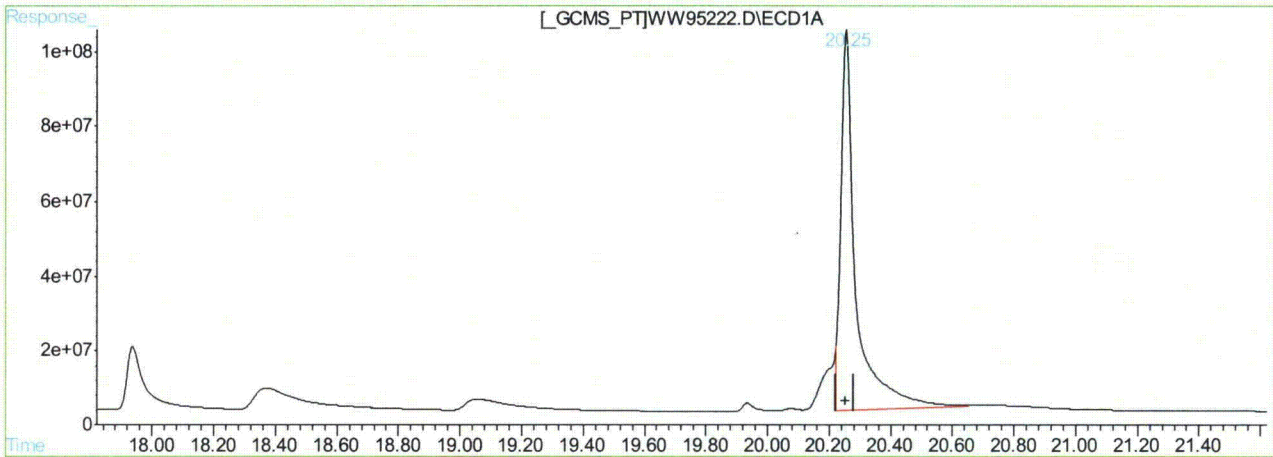
(+) = Expected Retention Time
WW95222.D HWW3143.M Tue Oct 19 11:50:40 2010 GCCD

10.6.65.2
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95222.D\ECD2B.CH
 Acq On : 19 Oct 2010 10:35 am Operator: toyar
 Sample : cc3143-200 Inst : GCWW
 Misc : OP46081,Gww3331,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 19 10:50 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue Oct 19 11:49:17 2010
 Response via : Multiple Level Calibration



QEdit

(12) Dinoseb	
20.25min	201.890PPB m
response	3450696984
(12) Dinoseb #2	
18.88min	179.552PPB
response	885289654

(+) = Expected Retention Time
 WW95222.D HWW3143.M Tue Oct 19 11:50:57 2010 GCCD

10.6.65.3 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95233.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95233.D\ECD2B.CH
 Acq On : 19 Oct 2010 5:15 pm Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 19 17:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue Oct 19 17:40:39 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.13	14.63	1450.9E6	546.4E6	659.799	581.329
Spiked Amount	500.000		Recovery	=	131.96%	116.27%

Target Compounds

1) Dalapon	6.10	5.18	219.5E6	87972560	63.292	53.853
3) Dicamba	15.39	14.87	758.0E6	257.1E6	67.519	58.844
4) MCPP	15.69	15.08	76720782	38176099	14927.853	12521.329
5) MCPA	15.93	15.43	147.7E6	69313987	15143.829	14555.713
6) Dichloroprop	16.47	15.91	867.1E6	326.0E6	267.856	243.108
7) 2,4-D	16.87	16.39	904.4E6	382.8E6	290.417	270.874
8) Pentachloropheno	17.13	16.83	1707.2E6	544.6E6	37.583	31.783
9) 2,4,5-TP	17.94	17.41	1059.8E6	364.9E6	59.329	51.581
10) 2,4,5-T	18.37	17.95	1003.0E6	357.8E6	65.656	59.669
11) 2,4-DB	19.05	18.58	495.4E6	224.7E6	320.233	309.150
12) Dinoseb	20.26	18.88	5751.8E6	1384.2E6	336.519	280.748
13) Picloram	20.21	20.07	753.0E6	1187.2E6	45.799	143.889 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95233.D HWW3143.M Wed Oct 20 08:40:16 2010 GCCD

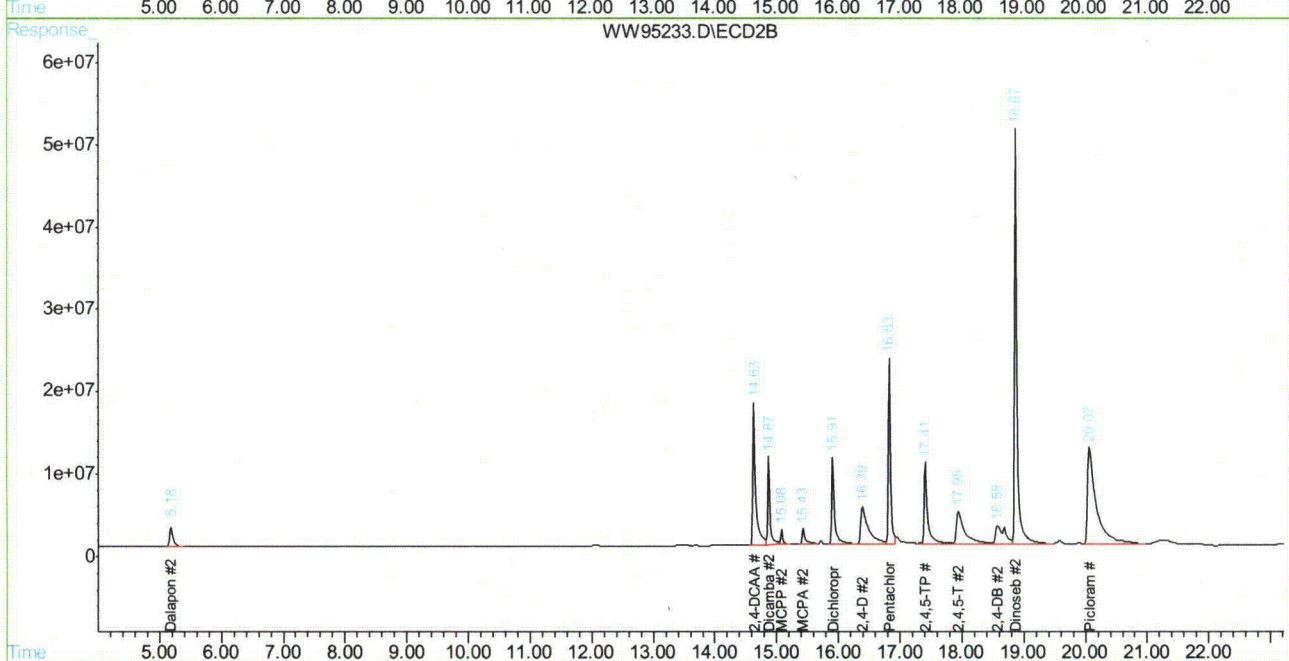
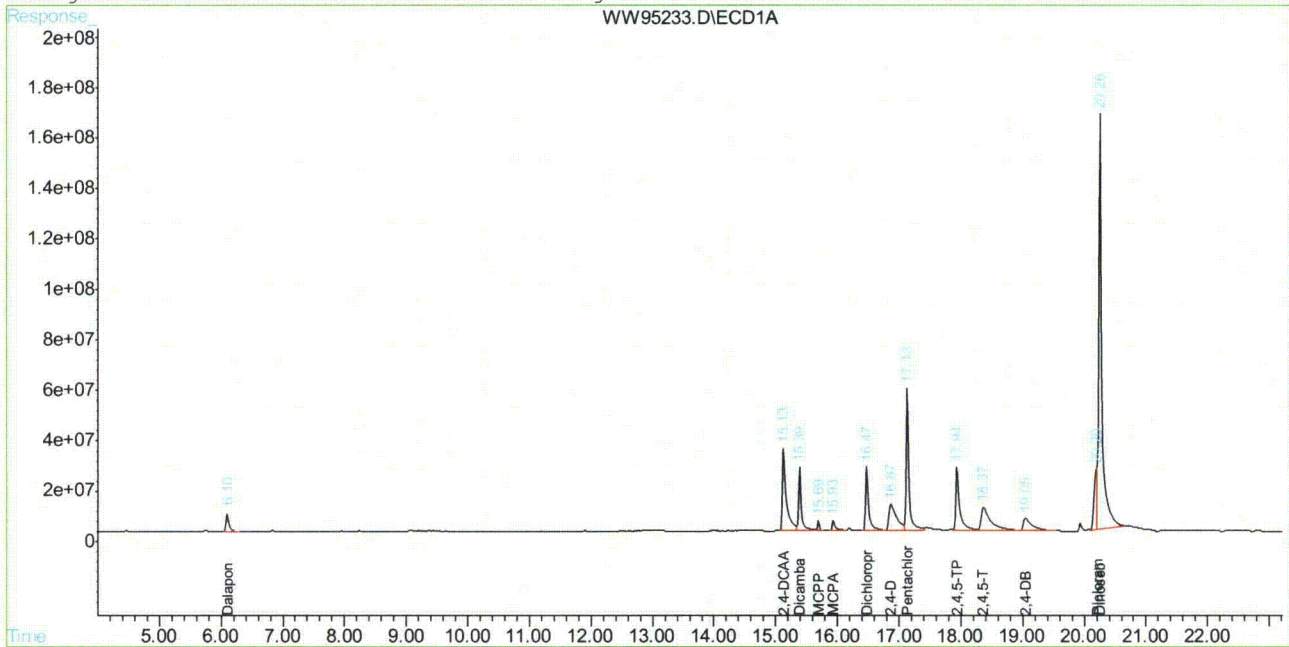
10.6.66 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95233.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95233.D\ECD2B.CH
 Acq On : 19 Oct 2010 5:15 pm Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 19 17:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue Oct 19 17:40:39 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.66 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Owen McKenna
11/01/10 11:33

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD2B.CH
 Acq On : 20 Oct 2010 9:09 am Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46081,Gww3332,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 20 9:43 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Wed Oct 20 09:34:24 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.12	14.62	1480.1E6	552.0E6	673.087	587.268
Spiked Amount	500.000		Recovery	=	134.62%	117.45%

Target Compounds

1) Dalapon	6.08	5.16	225.0E6	90154884	64.872	55.189
3) Dicamba	15.38	14.86	766.6E6	263.2E6	68.282	60.231
4) MCPP	15.68	15.07	83015310	46969209	16152.604	15405.370
5) MCPA	15.92	15.42	163.8E6	79184875	16791.370m	16628.567m
6) Dichloroprop	16.46	15.90	880.5E6	332.7E6	271.971	248.115
7) 2,4-D	16.86	16.38	891.0E6	391.2E6	286.098	276.796
8) Pentachloropheno	17.12	16.82	1668.3E6	556.0E6	36.727	32.447
9) 2,4,5-TP	17.93	17.40	1056.2E6	372.3E6	59.128	52.636
10) 2,4,5-T	18.36	17.94	862.5E6	349.3E6	56.459	58.256
11) 2,4-DB	19.05	18.58	472.5E6	216.6E6	305.409	298.079
12) Dinoseb	20.25	18.87	6084.8E6	1342.8E6	356.003	272.349

10.667 10

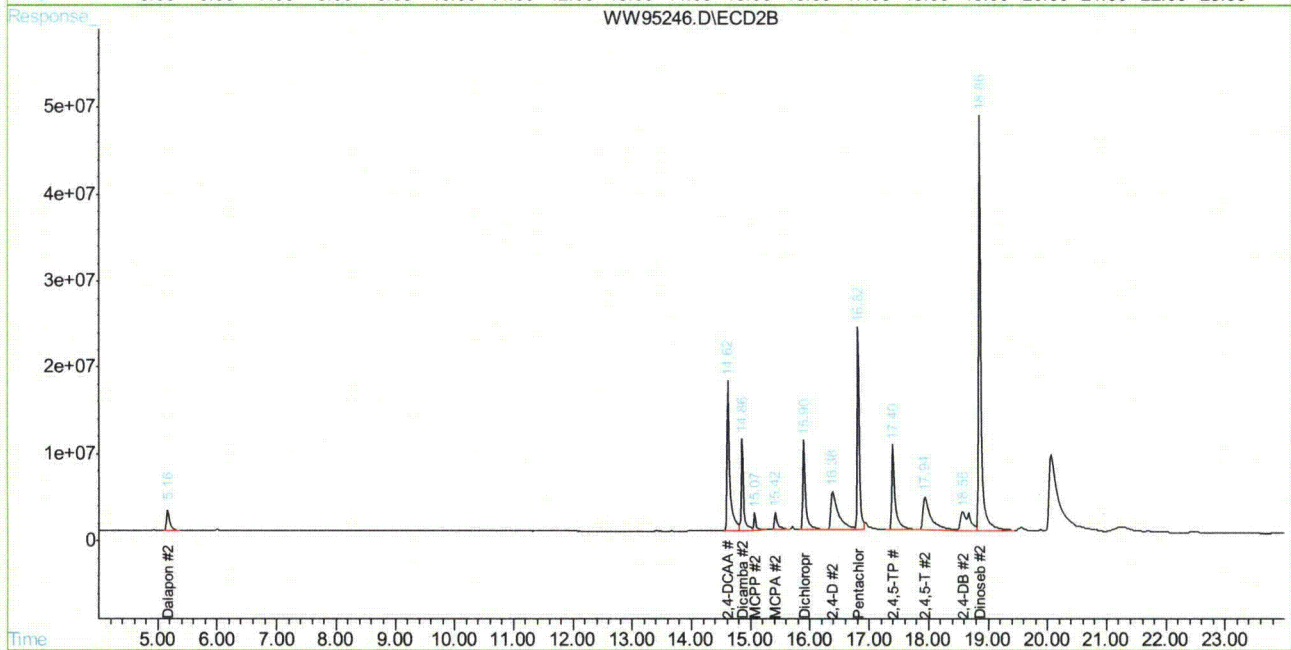
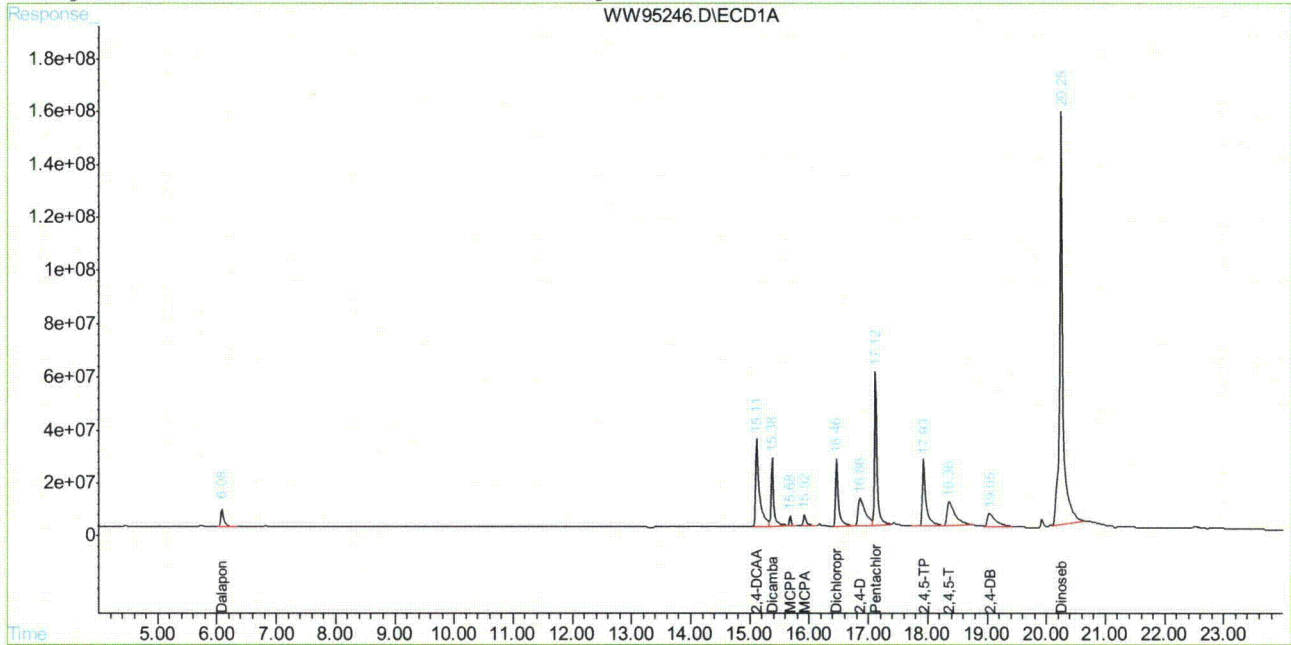
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95246.D HWW3143.M Wed Oct 20 09:43:35 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD2B.CH
 Acq On : 20 Oct 2010 9:09 am Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46081,Gww3332,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 20 9:43 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Wed Oct 20 09:34:24 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info: 30m x 0.32mm x .25um



10.6.67 10

Manual Integration Approval Summary

Sample Number: GWW3332-CC3143 **Method:** SW846 8151
Lab FileID: WW95246.D **Analyst approved:** 10/20/10 14:25 Toya Dagena Raffington
Injection Time: 10/20/10 09:09 **Supervisor approved:** 11/01/10 11:33 Owen McKenna

Parameter	CAS	Sig#	R. T. (min.)	Reason
MCPA	94-74-6	2	15.42	Poorly defined baseline
MCPA	94-74-6	1	15.92	Poorly defined baseline

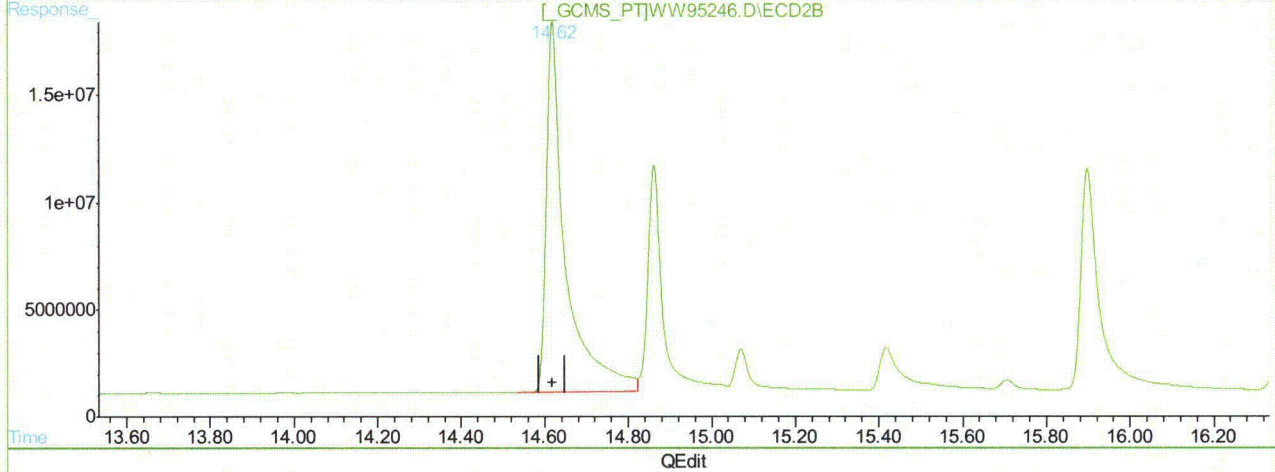
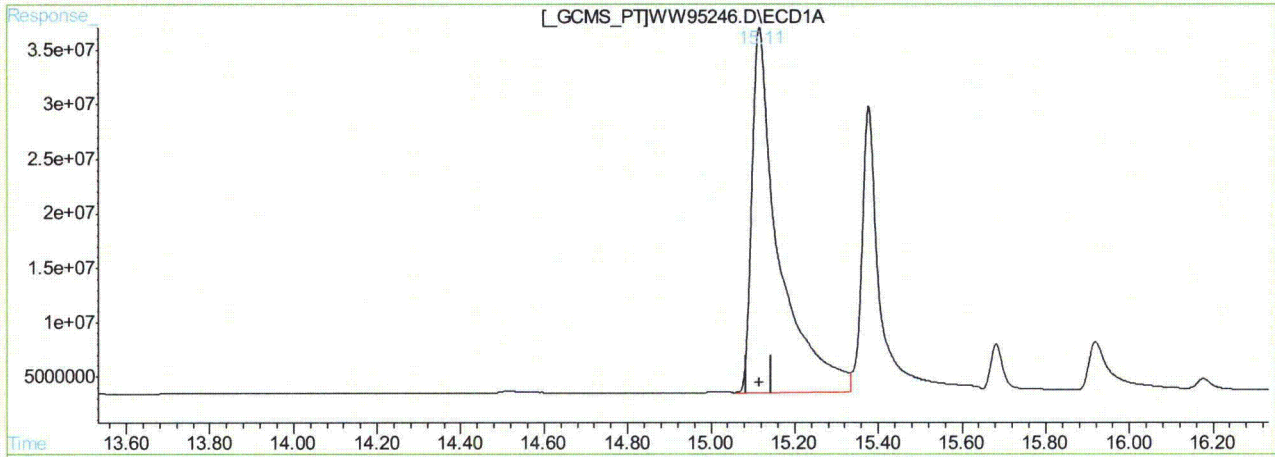
10.6.67.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD2B.CH
Acq On : 20 Oct 2010 9:09 am Operator: toyar
Sample : cc3143-300 Inst : GCWW
Misc : OP46081,Gww3332,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 20 9:34 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Wed Oct 20 09:34:24 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)
15.11min 674.319PPB m
response 1482835792

(2) 2,4-DCAA #2 (S)
14.62min 586.938PPB
response 551677901

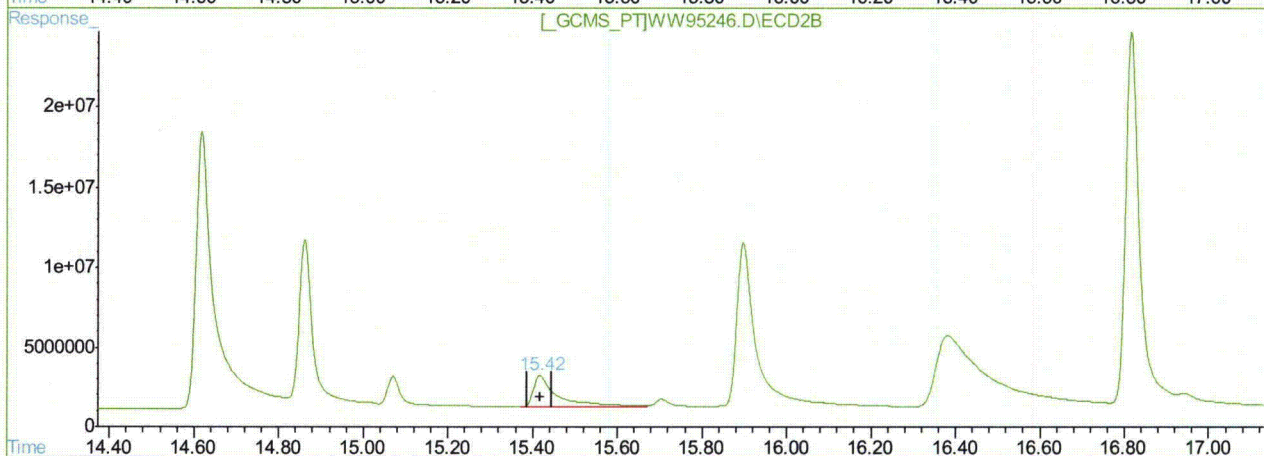
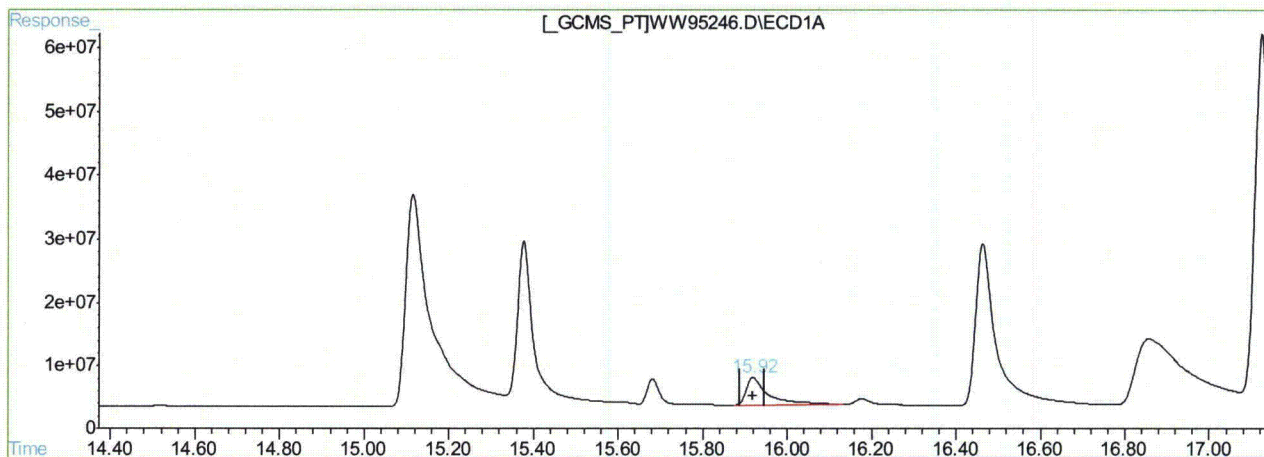
(+) = Expected Retention Time
WW95246.D HWW3143.M Wed Oct 20 09:39:28 2010 GCCD

10.6.67.2
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95246.D\ECD2B.CH
 Acq On : 20 Oct 2010 9:09 am Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46081,Gww3332,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 20 9:42 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Wed Oct 20 09:34:24 2010
 Response via : Multiple Level Calibration



QEdit

(5) MCPA
 15.92min 16791.370PPB m
 response 163819368

(5) MCPA #2
 15.42min 16628.567PPB m
 response 79184875

(+) = Expected Retention Time
 WW95246.D HWW3143.M Wed Oct 20 09:43:24 2010 GCCD

10.6.67.3
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95255.D\ECD1A.CH Vial: 10
 Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95255.D\ECD2B.CH
 Acq On : 20 Oct 2010 1:52 pm Operator: toyar
 Sample : ECC3143-200 Inst : GCWW
 Misc : OP46244,Gww3332,35.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 20 14:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Wed Oct 20 14:17:27 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB

System Monitoring Compounds						
2) S 2,4-DCAA	15.13	14.63	978.5E6	369.0E6	444.982	392.587
Spiked Amount	500.000		Recovery	=	89.00%	78.52%
Target Compounds						
1) Dalapon	6.08	5.17	150.0E6	60686376	43.239	37.149
3) Dicamba	15.38	14.87	523.6E6	179.1E6	46.640	40.980
4) MCPP	15.69	15.08	49421622	31213971	9616.152	10237.830
5) MCPA	15.93	15.43	110.0E6	55373811	11273.079	11628.321
6) Dichloroprop	16.47	15.90	586.3E6	223.6E6	181.105	166.801
7) 2,4-D	16.88	16.40	563.9E6	258.6E6	181.081	182.942
8) Pentachloropheno	17.12	16.82	1090.7E6	349.3E6	24.010	20.382
9) 2,4,5-TP	17.93	17.41	678.7E6	233.7E6	37.993	33.045
10) 2,4,5-T	18.38	17.95	604.3E6	224.5E6	39.556	37.437
11) 2,4-DB	19.07	18.60	315.4E6	137.7E6	203.862	189.402
12) Dinoseb	20.25	18.87	3645.6E6	899.7E6	213.292	182.482

10.6.68 10

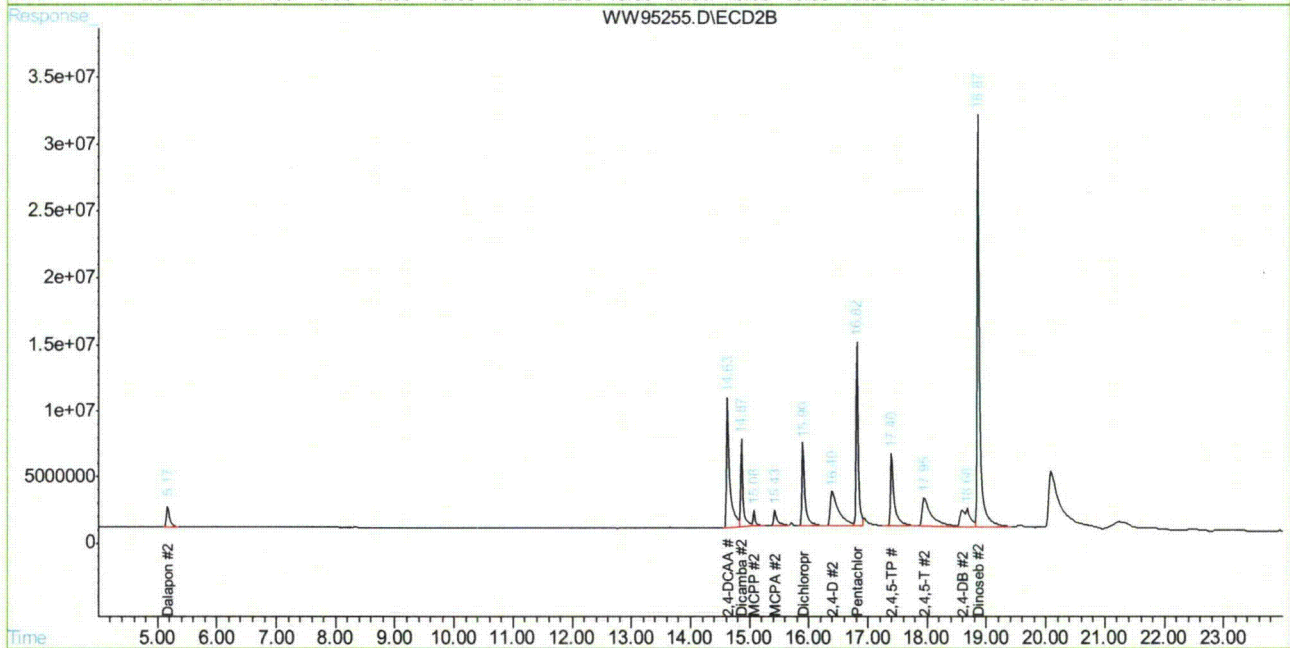
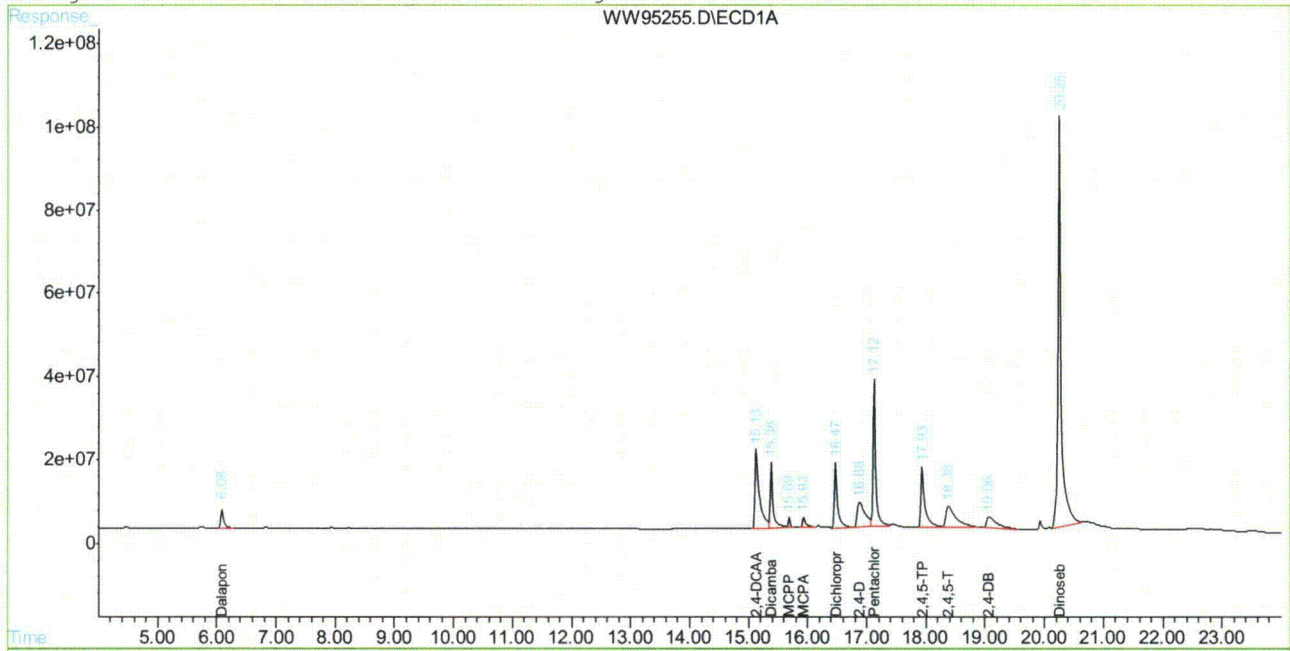
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95255.D HWW3143.M Wed Oct 20 14:22:36 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95255.D\ECD1A.CH Vial: 10
 Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95255.D\ECD2B.CH
 Acq On : 20 Oct 2010 1:52 pm Operator: toyar
 Sample : ECC3143-200 Inst : GCWW
 Misc : OP46244,Gww3332,35.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 20 14:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Wed Oct 20 14:17:27 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.68 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Jessica Reitan-Chu
10/27/10 17:04

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD2B.CH
 Acq On : 21 Oct 2010 4:24 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46267,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 21 16:43 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Oct 21 16:42:18 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.14	14.64	1027.9E6	392.0E6	467.418	417.008
Spiked Amount	500.000		Recovery	=	93.48%	83.40%

Target Compounds

1) Dalapon	6.09	5.17	155.4E6	63354552	44.812	38.783
3) Dicamba	15.39	14.88	549.2E6	190.6E6	48.922	43.624
4) MCPP	15.70	15.09	53108209	35611831	10333.466	11680.278
5) MCPA	15.94	15.44	116.0E6	58874491	11885.531	12363.452
6) Dichloroprop	16.48	15.91	616.9E6	240.4E6	190.549	179.310
7) 2,4-D	16.88	16.41	594.5E6	277.6E6	190.915	196.428
8) Pentachloropheno	17.14	16.83	1154.1E6	377.6E6	25.407	22.035
9) 2,4,5-TP	17.94	17.42	721.7E6	253.3E6	40.402m	35.806m
10) 2,4,5-T	18.39	17.97	652.0E6	234.8E6	42.679	39.160m
11) 2,4-DB	19.08	18.61	319.1E6	134.5E6	206.286	185.047
12) Dinoseb	20.26	18.88	3771.2E6	914.4E6	220.644	185.461

10.6.69 10

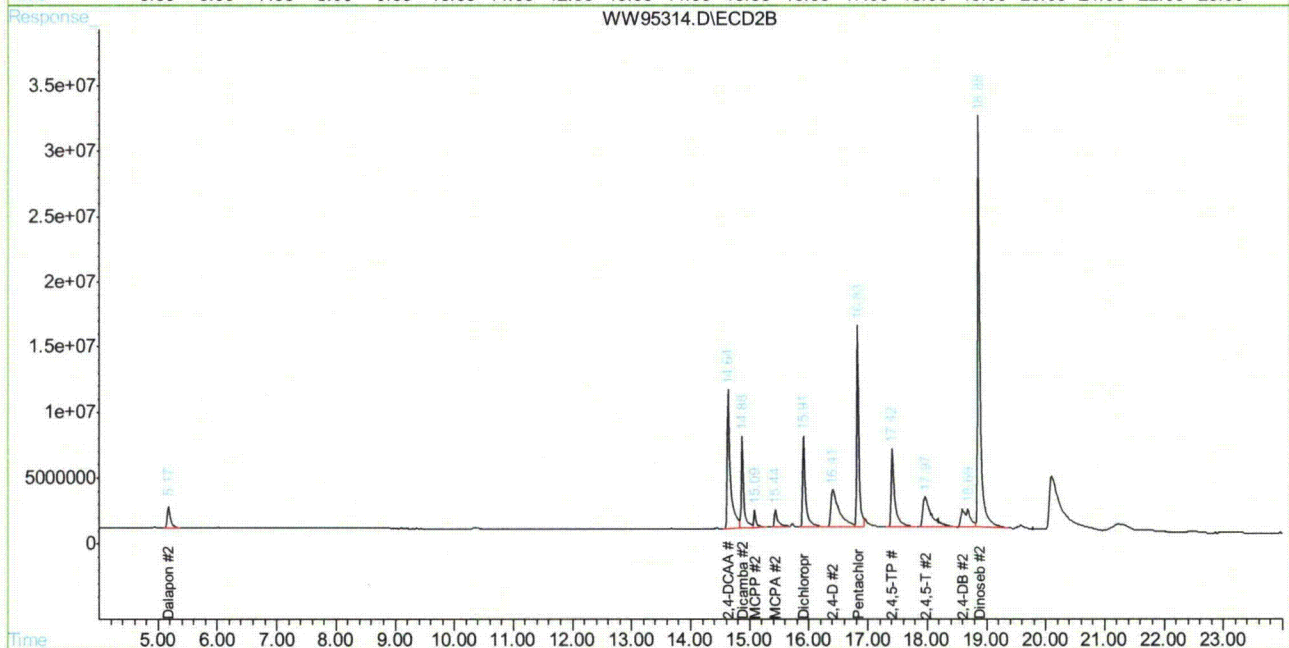
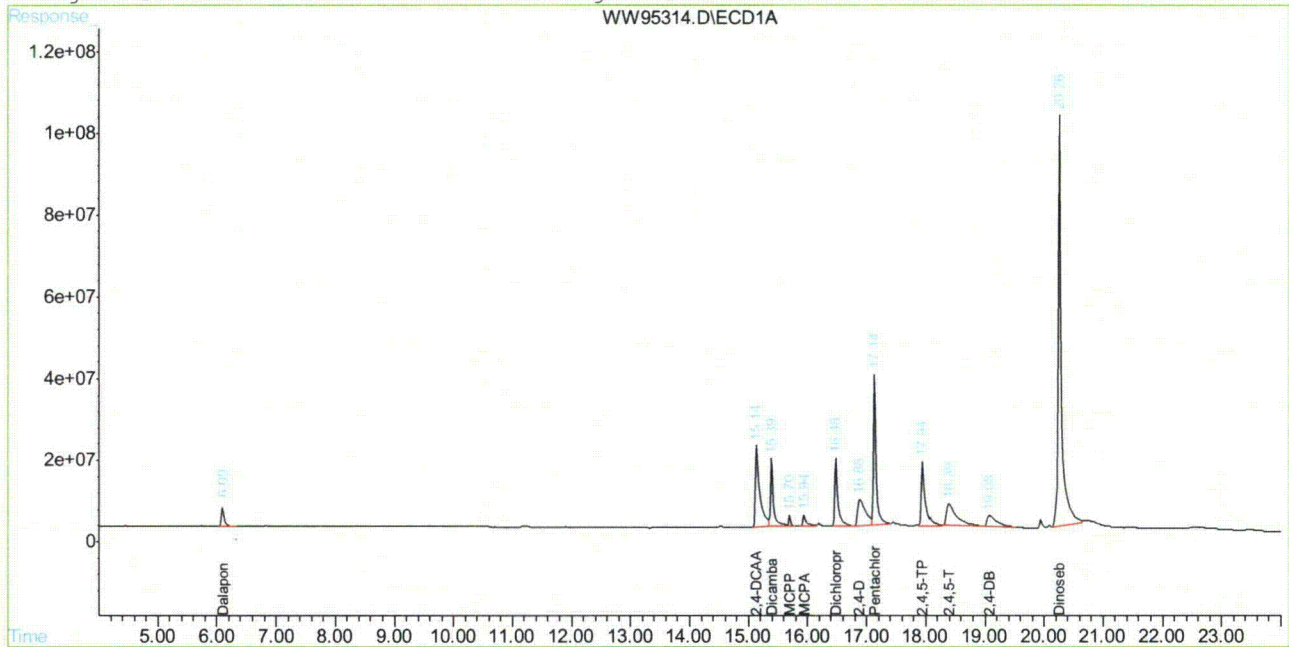
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95314.D HWW3143.M Thu Oct 21 16:44:24 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD2B.CH
 Acq On : 21 Oct 2010 4:24 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46267,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 21 16:43 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Oct 21 16:42:18 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.69 10

Manual Integration Approval Summary

Sample Number: GWW3334-CC3143 **Method:** SW846 8151
Lab FileID: WW95314.D **Analyst approved:** 10/25/10 16:20 Toya Dagena Raffington
Injection Time: 10/21/10 16:24 **Supervisor approved:** 10/27/10 17:04 Jessica Reitan-Chu

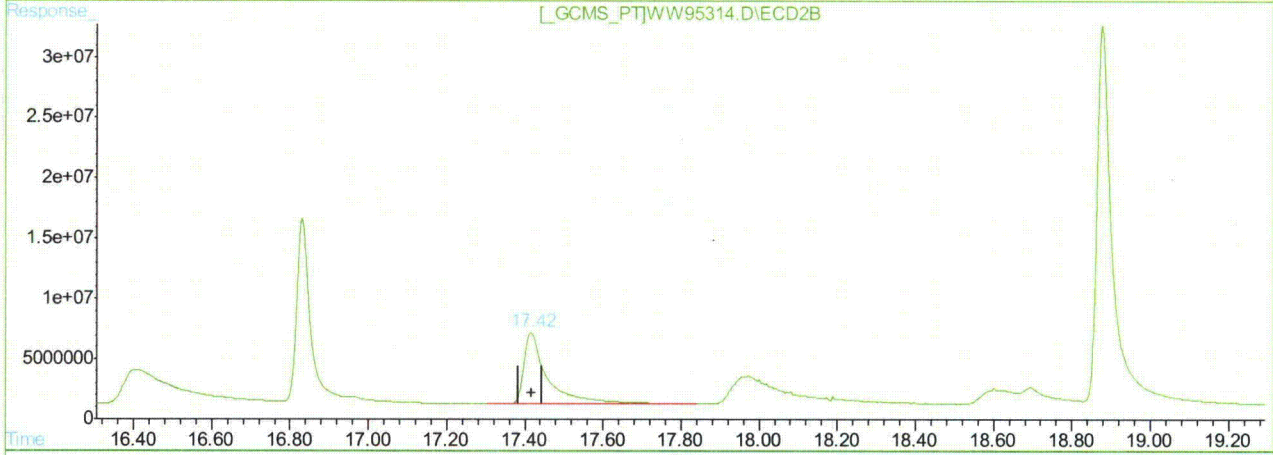
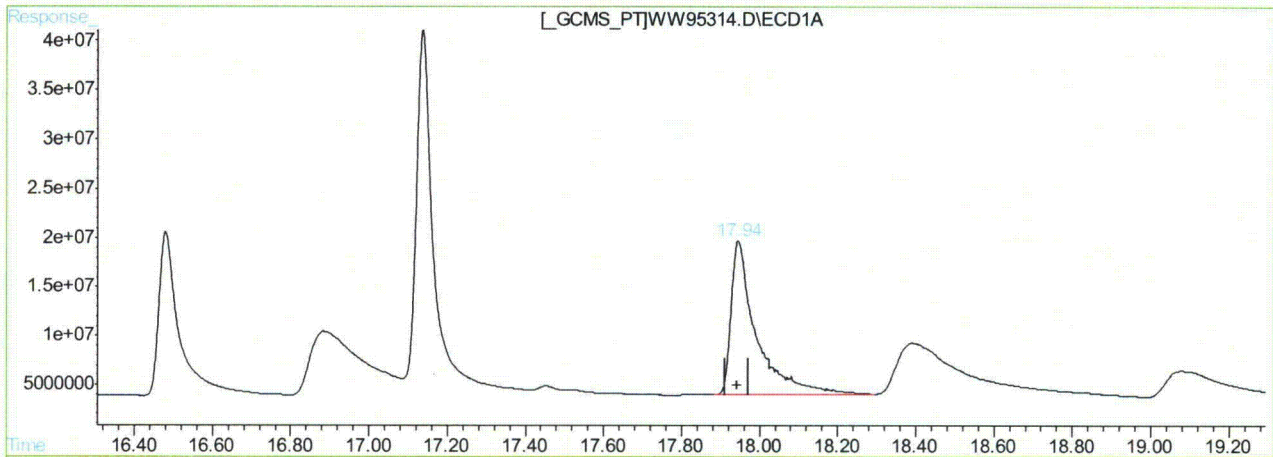
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4,5-TP (Silvex)	93-72-1	2	17.42	Poorly defined baseline
2,4,5-TP (Silvex)	93-72-1	1	17.94	Poorly defined baseline
2,4,5-T	93-76-5	2	17.97	Poorly defined baseline

10.6.69.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD2B.CH
Acq On : 21 Oct 2010 4:24 pm Operator: toyar
Sample : CC3143-200 Inst : GCWW
Misc : OP46267,Gww3334,100,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 21 16:43 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Oct 21 16:42:18 2010
Response via : Multiple Level Calibration



(9) 2,4,5-TP
17.94min 40.402PPB m
response 721717317

(9) 2,4,5-TP #2
17.42min 35.806PPB m
response 253277283

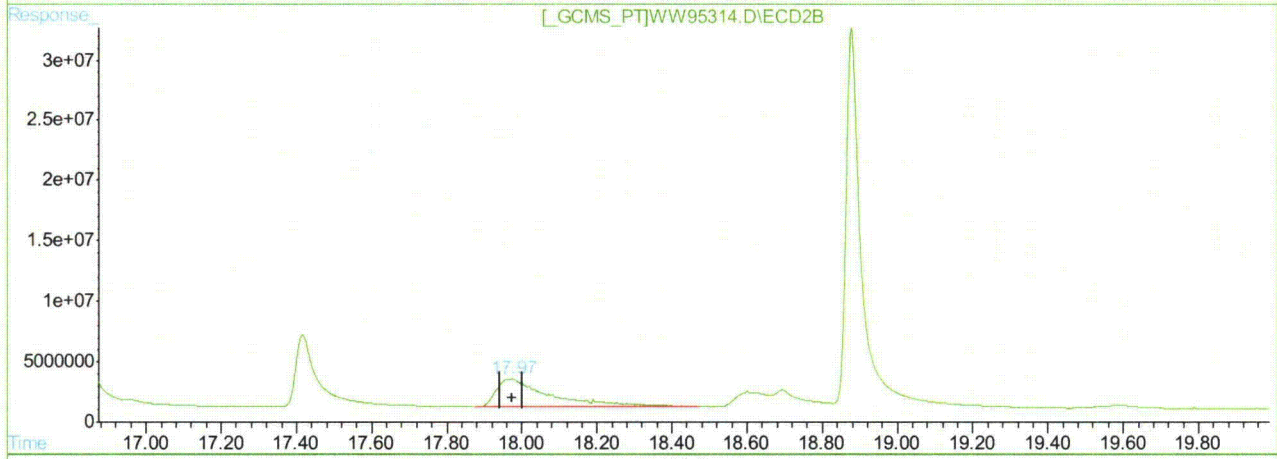
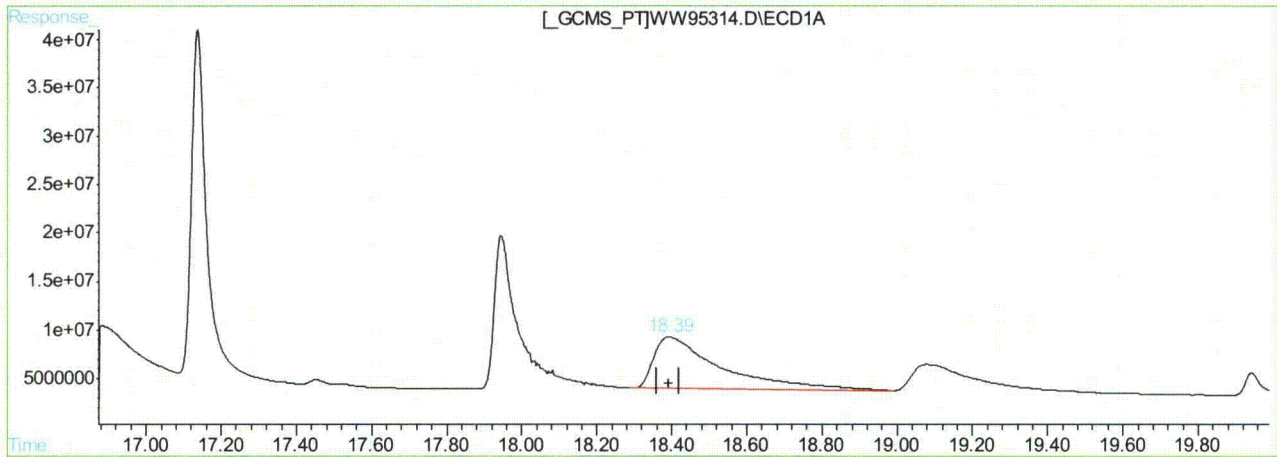
(+) = Expected Retention Time
WW95314.D HWW3143.M Thu Oct 21 16:44:07 2010 GCCD

10.6.69.2
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95314.D\ECD2B.CH
Acq On : 21 Oct 2010 4:24 pm Operator: toyar
Sample : CC3143-200 Inst : GCWW
Misc : OP46267,Gww3334,100,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 21 16:43 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Oct 21 16:42:18 2010
Response via : Multiple Level Calibration



QEdit

(10) 2,4,5-T
18.39min 42.679PPB
response 651981955
(10) 2,4,5-T #2
17.97min 39.160PPB m
response 234833529

(+) = Expected Retention Time
WW95314.D HWW3143.M Thu Oct 21 16:44:11 2010 GCCD

10.6.69.3 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95325.D\ECD1A.CH Vial: 23
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95325.D\ECD2B.CH
 Acq On : 21 Oct 2010 10:26 pm Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 9:09 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 09:09:39 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.13	14.63	1536.3E6	584.2E6	698.628	621.568
Spiked Amount	500.000		Recovery	=	139.73%	124.31%

Target Compounds

1) Dalapon	6.09	5.17	232.2E6	93484160	66.941	57.227
3) Dicamba	15.39	14.87	816.9E6	280.4E6	72.766	64.173
4) MCPP	15.69	15.08	96566816	51554651	18789.372	16909.343
5) MCPA	15.93	15.43	169.1E6	82199831	17329.858	17261.698
6) Dichloroprop	16.47	15.91	912.4E6	360.3E6	281.842	268.751
7) 2,4-D	16.88	16.40	898.4E6	425.7E6	288.491	301.222
8) Pentachloropheno	17.13	16.83	1751.1E6	600.6E6	38.549	35.051
9) 2,4,5-TP	17.94	17.41	1145.4E6	423.2E6	64.117	59.828
10) 2,4,5-T	18.39	17.96	1084.8E6	401.6E6	71.013	66.977
11) 2,4-DB	19.07	18.60	546.6E6	235.8E6	353.320	324.380
12) Dinoseb	20.26	18.88	6485.9E6	1465.5E6	379.468	297.222

10.6.70 10

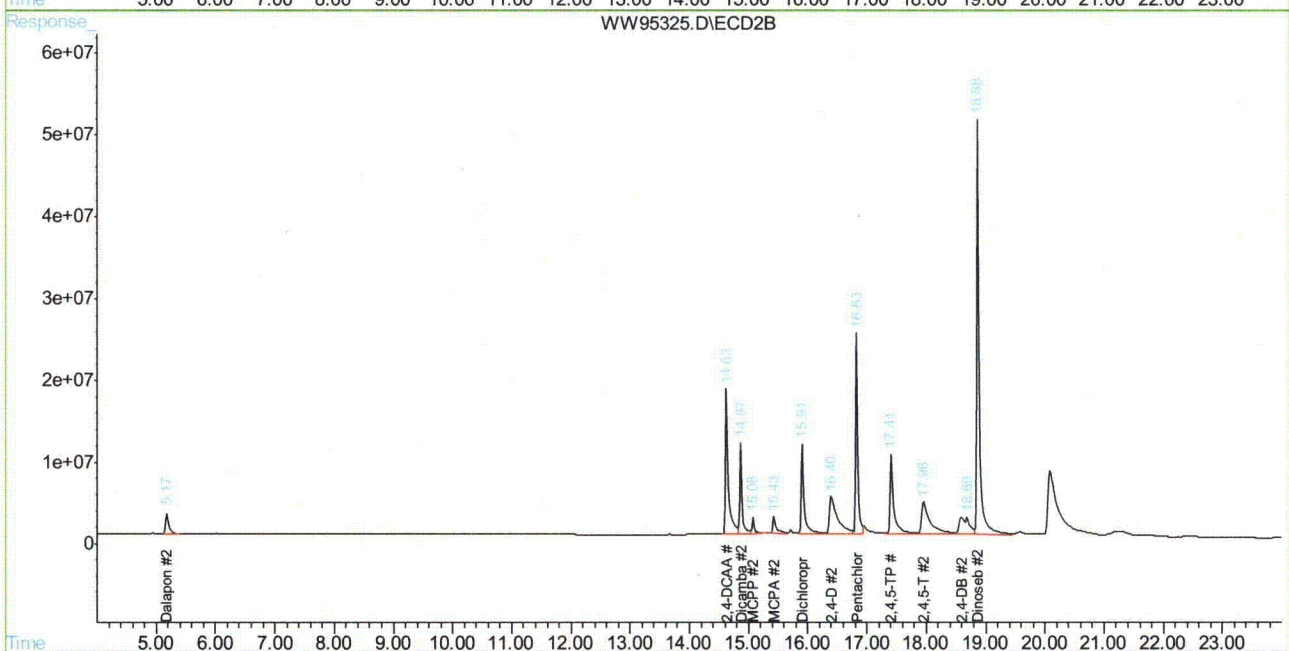
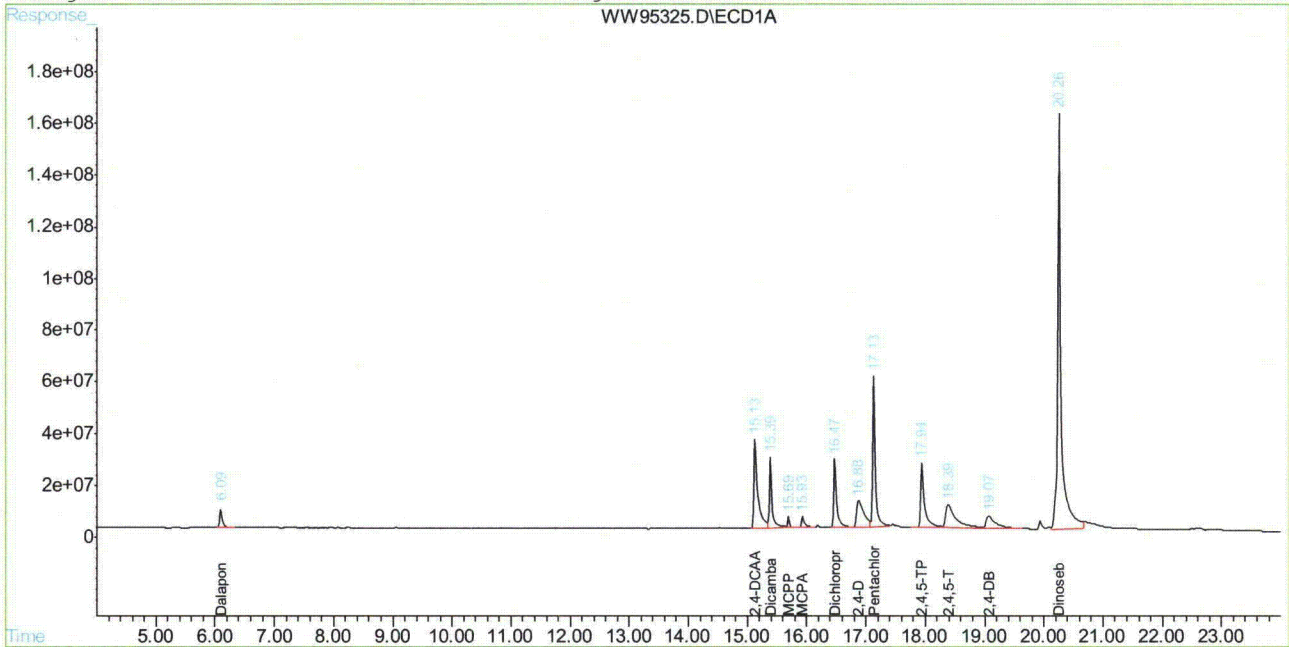
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95325.D HWW3143.M Fri Oct 22 09:10:05 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95325.D\ECD1A.CH Vial: 23
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95325.D\ECD2B.CH
 Acq On : 21 Oct 2010 10:26 pm Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 9:09 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 09:09:39 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.70 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95336.D\ECD1A.CH Vial: 34
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95336.D\ECD2B.CH
 Acq On : 22 Oct 2010 4:44 am Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46107,Gww3334,730,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 8:38 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 08:37:31 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB

System Monitoring Compounds						
2) S 2,4-DCAA	15.14	14.64	981.7E6	375.0E6	446.405	398.980
Spiked Amount	500.000		Recovery	=	89.28%	79.80%
Target Compounds						
1) Dalapon	6.09	5.17	150.6E6	61844194	43.427	37.858
3) Dicamba	15.39	14.88	533.8E6	184.3E6	47.545	42.178
4) MCPP	15.70	15.08	50953331	34070839	9914.183	11174.850
5) MCPA	15.94	15.44	113.3E6	56736346	11610.917	11914.449
6) Dichloroprop	16.48	15.91	590.3E6	229.5E6	182.348	171.164
7) 2,4-D	16.90	16.41	541.7E6	259.1E6	173.933	183.318
8) Pentachloropheno	17.13	16.83	1113.3E6	359.2E6	24.509	20.960
9) 2,4,5-TP	17.95	17.42	715.5E6	240.3E6	40.053	33.976
10) 2,4,5-T	18.41	17.97	698.3E6	232.6E6	45.709	38.793
11) 2,4-DB	19.10	18.69	352.9E6	136.8E6	228.123	188.187
12) Dinoseb	20.26	18.88	3804.4E6	922.0E6	222.585	186.991

10.6.71 10

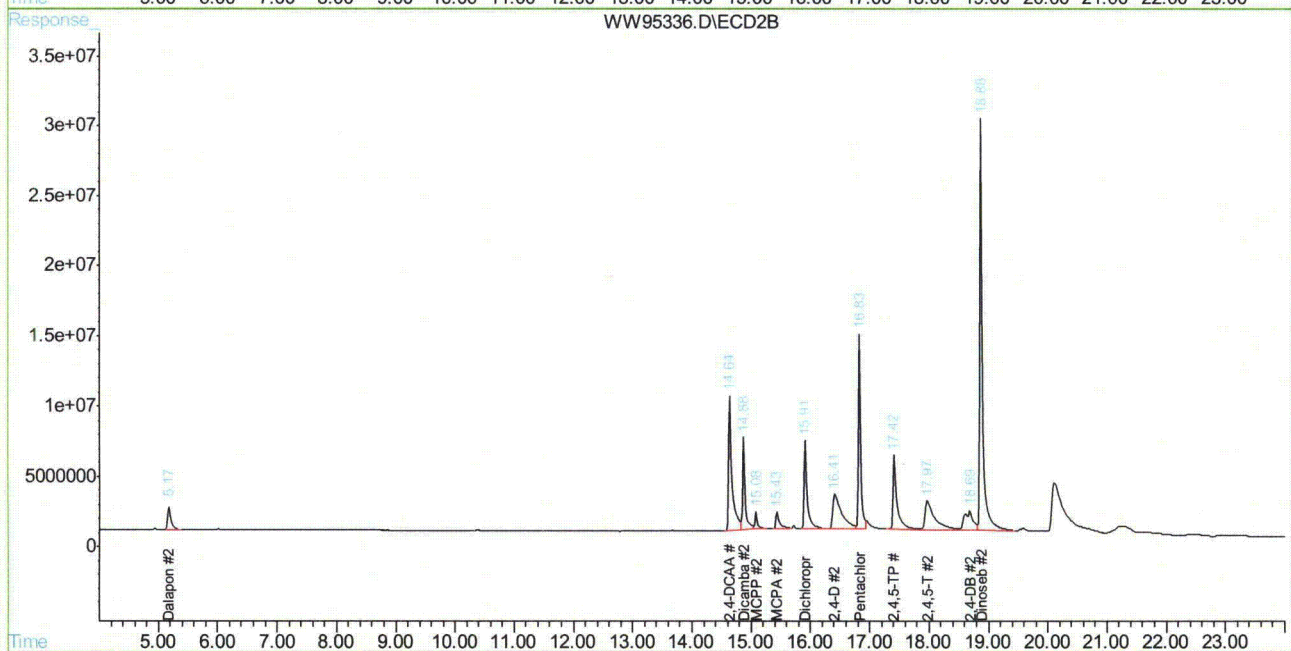
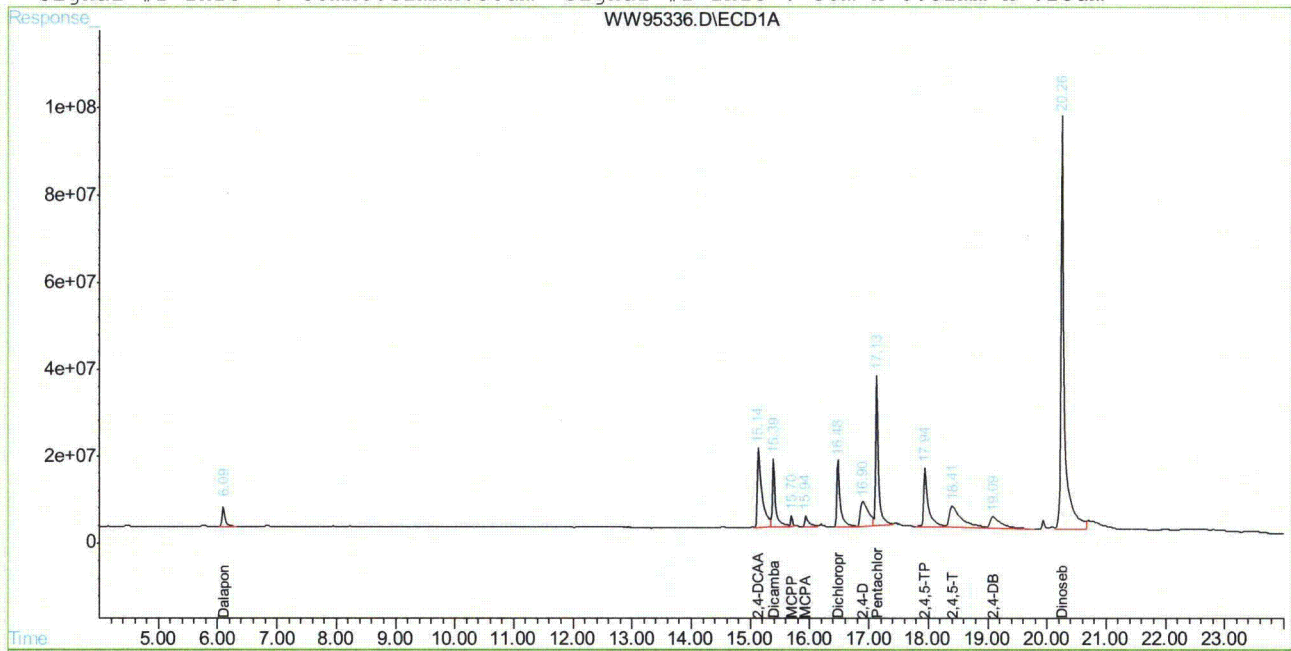
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95336.D HWW3143.M Mon Oct 25 16:20:58 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95336.D\ECD1A.CH Vial: 34
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95336.D\ECD2B.CH
 Acq On : 22 Oct 2010 4:44 am Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46107,Gww3334,730,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 8:38 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 08:37:31 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.71 10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Jessica Reitan-Chu
10/27/10 17:06

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD1A.CH Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD2B.CH
 Acq On : 22 Oct 2010 2:35 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46286,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 15:11 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 15:09:59 2010
 Response via : Initial Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

2) S 2,4-DCAA	15.14	14.64	975.9E6	373.1E6	443.811	396.908
Spiked Amount	500.000		Recovery	=	88.76%	79.38%

Target Compounds

1) Dalapon	6.09	5.17	151.6E6	61673440	43.710	37.754
3) Dicamba	15.39	14.88	537.3E6	182.6E6	47.858	41.785
4) MCPPP	15.70	15.08	56350654	32928364	10964.360	10800.131
5) MCPA	15.94	15.43	111.5E6	56282149	11425.825	11819.069
6) Dichloroprop	16.48	15.91	593.3E6	227.0E6	183.277m	169.336
7) 2,4-D	16.90	16.41	568.5E6	253.1E6	182.566	179.065
8) Pentachloropheno	17.14	16.83	1206.7E6	355.4E6	26.564	20.739
9) 2,4,5-TP	17.95	17.42	679.3E6	232.4E6	38.026m	32.855
10) 2,4,5-T	18.40	17.98	674.7E6	232.1E6	44.166m	38.702
11) 2,4-DB	19.10	18.62	392.5E6	131.1E6	253.708	180.336 #
12) Dinoseb	20.26	18.88	3511.8E6	905.4E6	205.467	183.633

10.6.72 10

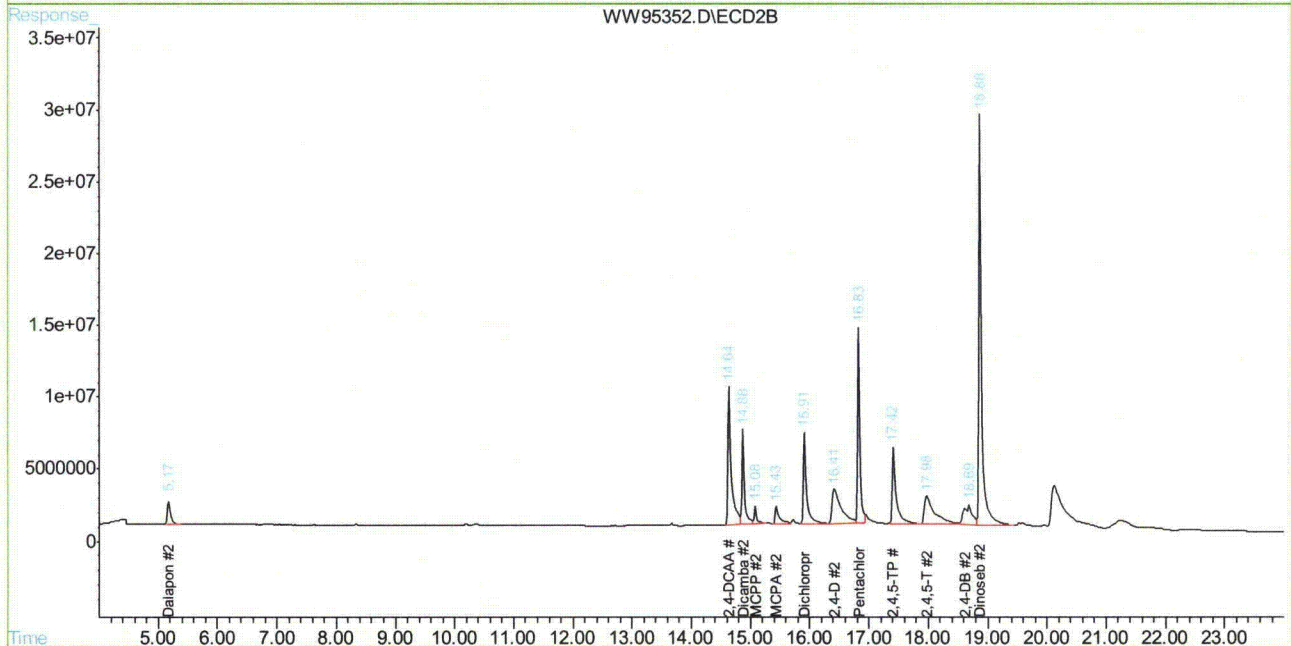
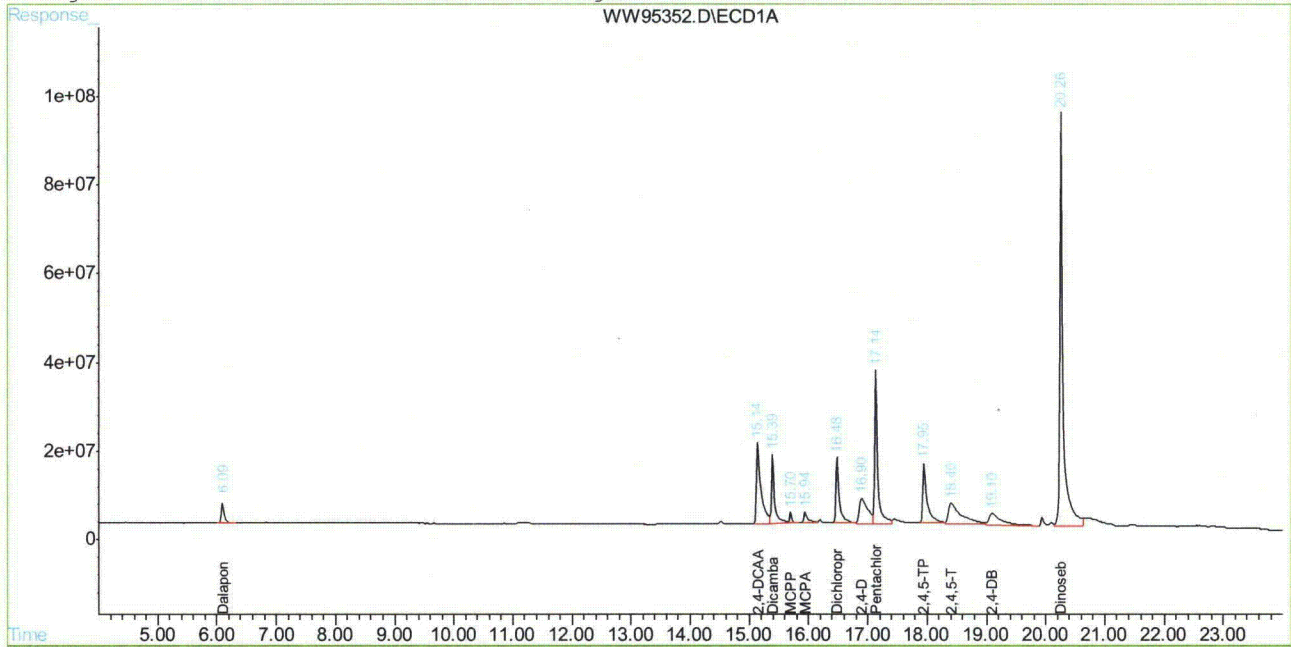
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95352.D HWW3143.M Fri Oct 22 15:12:08 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD1A.CH Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD2B.CH
 Acq On : 22 Oct 2010 2:35 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46286,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 15:11 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 15:09:59 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



10.6.72 10

Manual Integration Approval Summary

Sample Number: GWW3334-CC3143 **Method:** SW846 8151
Lab FileID: WW95352.D **Analyst approved:** 10/25/10 16:20 Toya Dagena Raffington
Injection Time: 10/22/10 14:35 **Supervisor approved:** 10/27/10 17:06 Jessica Reitan-Chu

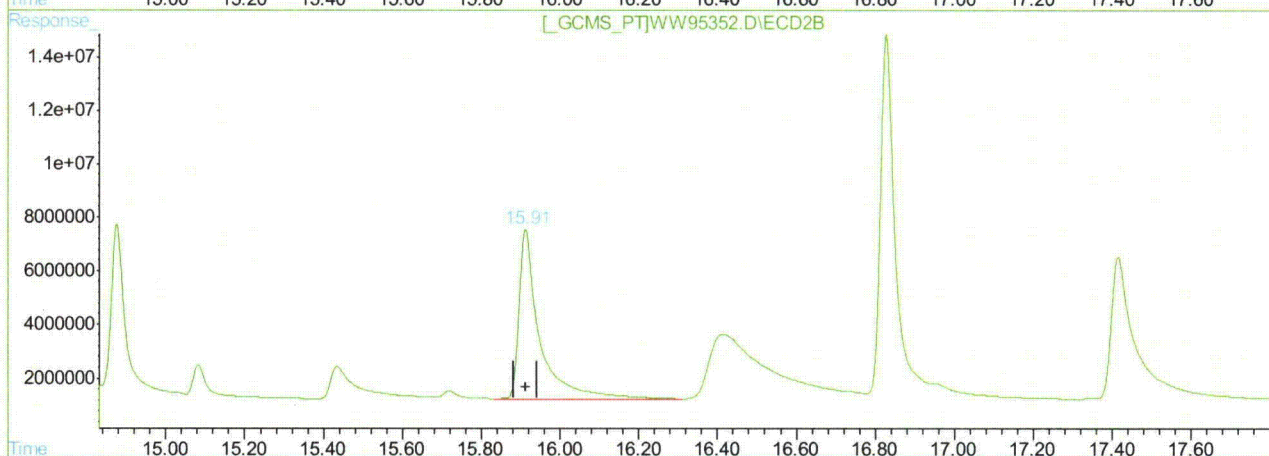
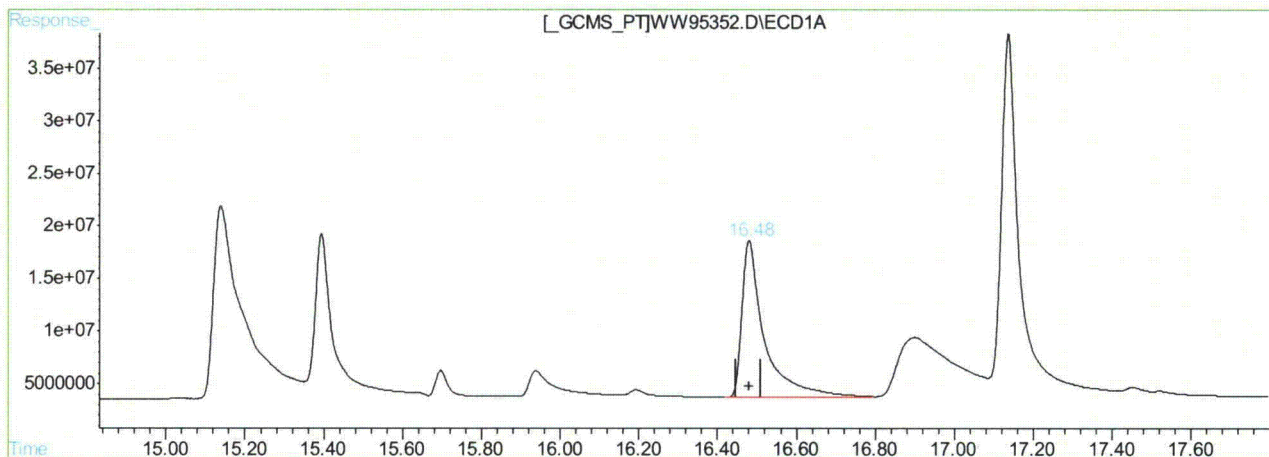
Parameter	CAS	Sig#	R. T. (min.)	Reason
Dichloroprop	120-36-5	1	16.48	Poorly defined baseline
2,4,5-TP (Silvex)	93-72-1	1	17.95	Poorly defined baseline
2,4,5-T	93-76-5	1	18.40	Poorly defined baseline

10.6.72.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD1A.CH Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD2B.CH
 Acq On : 22 Oct 2010 2:35 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46286,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 15:11 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 15:09:59 2010
 Response via : Multiple Level Calibration



QEdit

(6) Dichloroprop	
16.48min	183.277PPB m
response	593334418
(6) Dichloroprop #2	
15.91min	169.336PPB
response	227045528

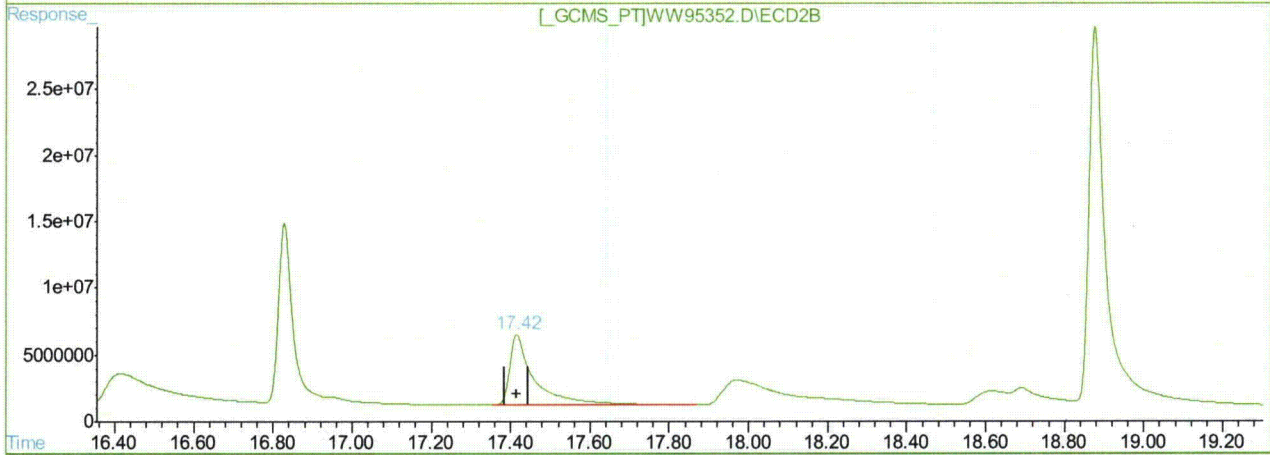
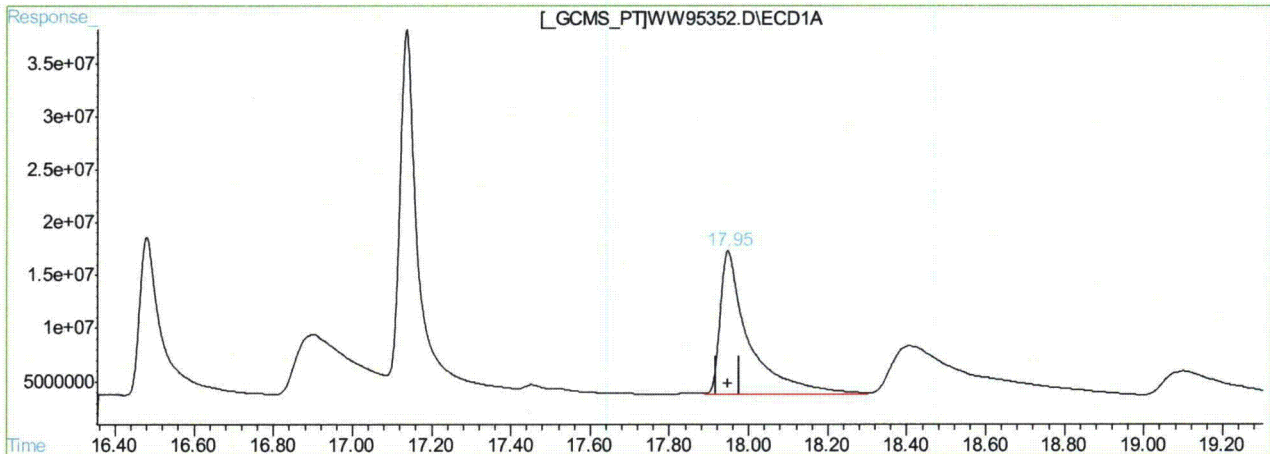
(+) = Expected Retention Time
 WW95352.D HWW3143.M Fri Oct 22 15:11:41 2010 GCCD

10.6.72.2
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD1A.CH Vial: 50
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD2B.CH
Acq On : 22 Oct 2010 2:35 pm Operator: toyar
Sample : CC3143-200 Inst : GCWW
Misc : OP46286,Gww3334,100,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 22 15:11 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 22 15:09:59 2010
Response via : Multiple Level Calibration



QEdit

(9) 2,4,5-TP
17.95min 38.026PPB m
response 679272577
(9) 2,4,5-TP #2
17.42min 32.855PPB
response 232402890

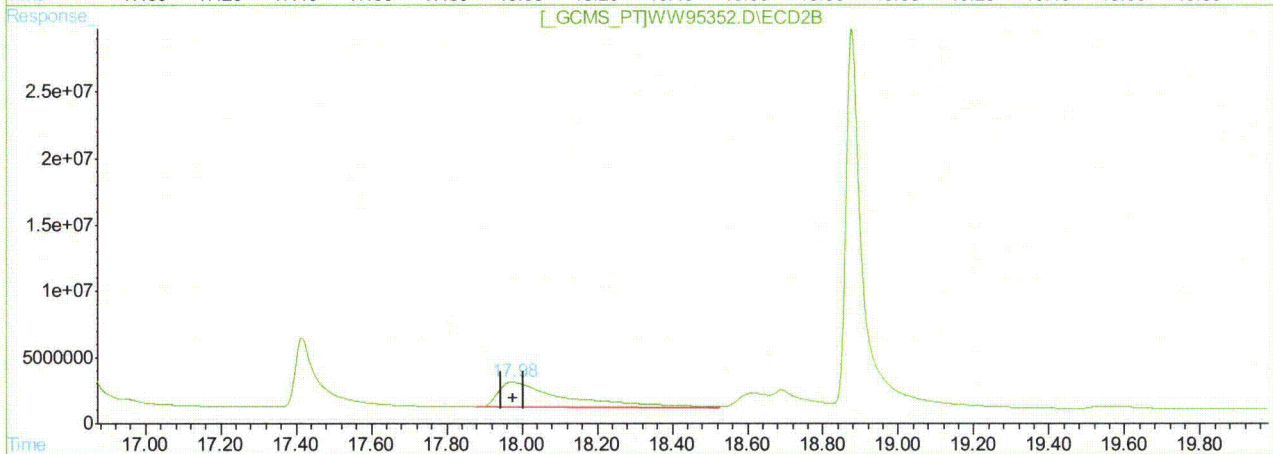
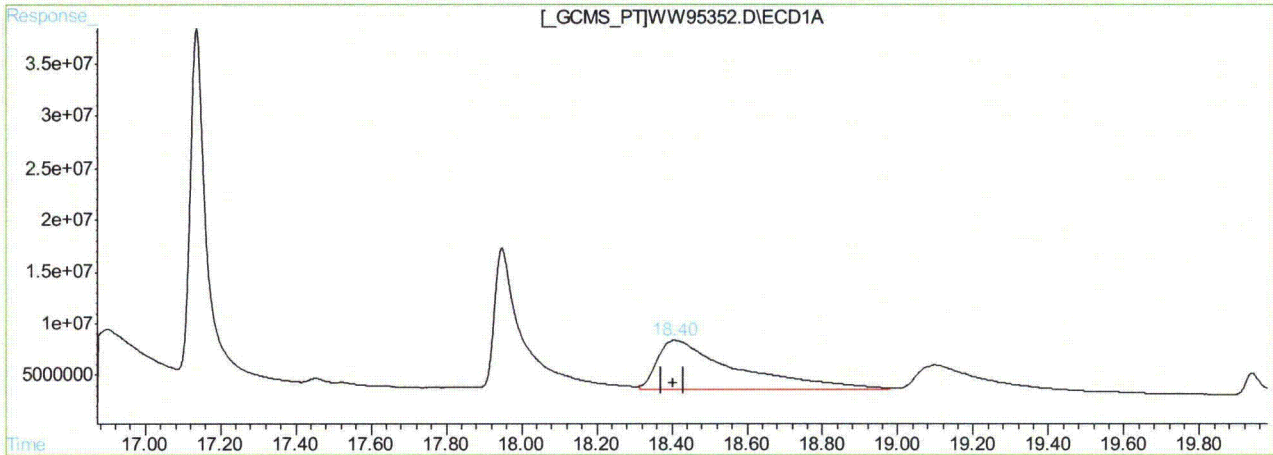
(+) = Expected Retention Time
WW95352.D HWW3143.M Fri Oct 22 15:11:47 2010 GCCD

10.6.72.3 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD1A.CH Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95352.D\ECD2B.CH
 Acq On : 22 Oct 2010 2:35 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46286,Gww3334,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 22 15:11 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 22 15:09:59 2010
 Response via : Multiple Level Calibration



(10) 2,4,5-T
 18.40min 44.166PPB m
 response 674683478

(10) 2,4,5-T #2
 17.98min 38.702PPB
 response 232089486

(+) = Expected Retention Time
 WW95352.D HWW3143.M Fri Oct 22 15:11:51 2010 GCCD

10.6.72.4
10

Manual Integrations
APPROVED
 (compounds with "m" flag)
Owen McKenna
 10/26/10 11:54

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
 Acq On : 25 Oct 2010 4:26 pm Operator: annaz
 Sample : ic3901-1000 1221 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:37 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	855.4E6	299.7E6	44.628m	44.937
Spiked Amount	40.000		Recovery	=	111.57%	112.34%
51) S Decachlorobiphen	9.65	11.61	1122.8E6	379.0E6	48.539	44.151
Spiked Amount	40.000		Recovery	=	121.35%	110.38%
Target Compounds						
2) AR1221-A	1.77	2.36	149.0E6	48269884	1034.115	960.315
3) AR1221-B	2.37	3.23	163.5E6	63766353	881.803m	951.276
4) AR1221-C	2.55	3.49	552.5E6	158.6E6	934.779m	942.334
5) AR1221-D	2.93	4.02	40576214	27710178	962.869	958.829
6) AR1221-E	3.46	4.66	71320806	29213320	851.649	897.227

10.6.73
10

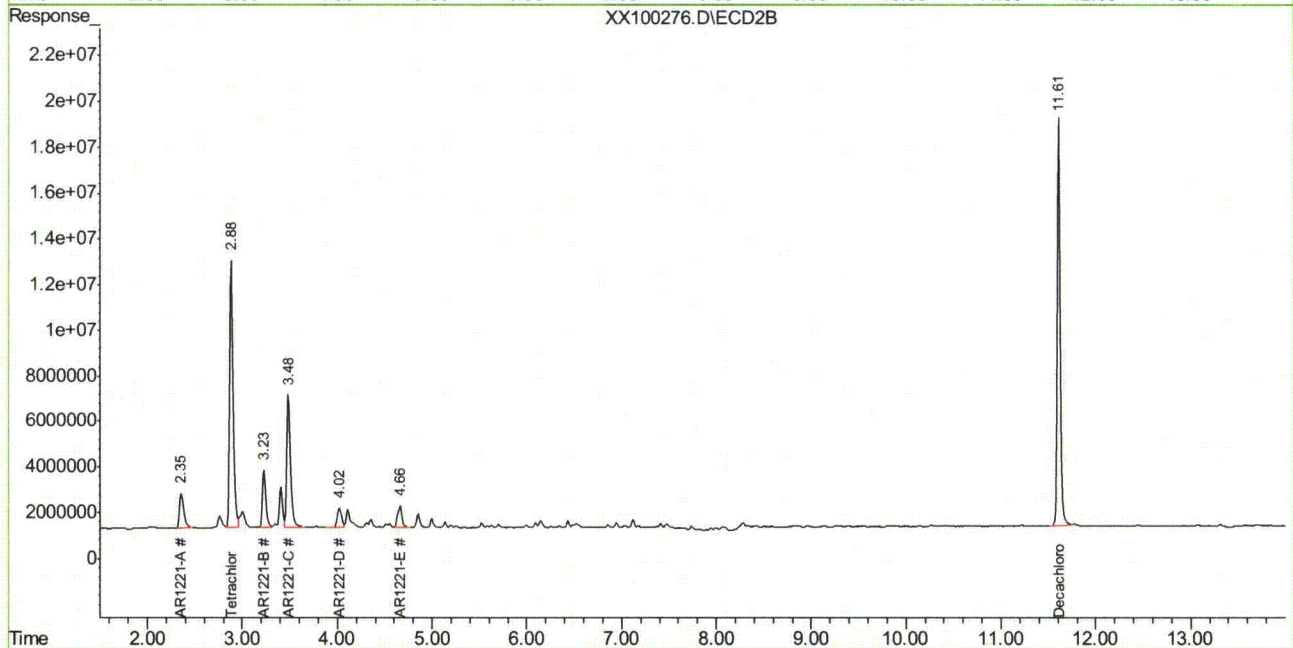
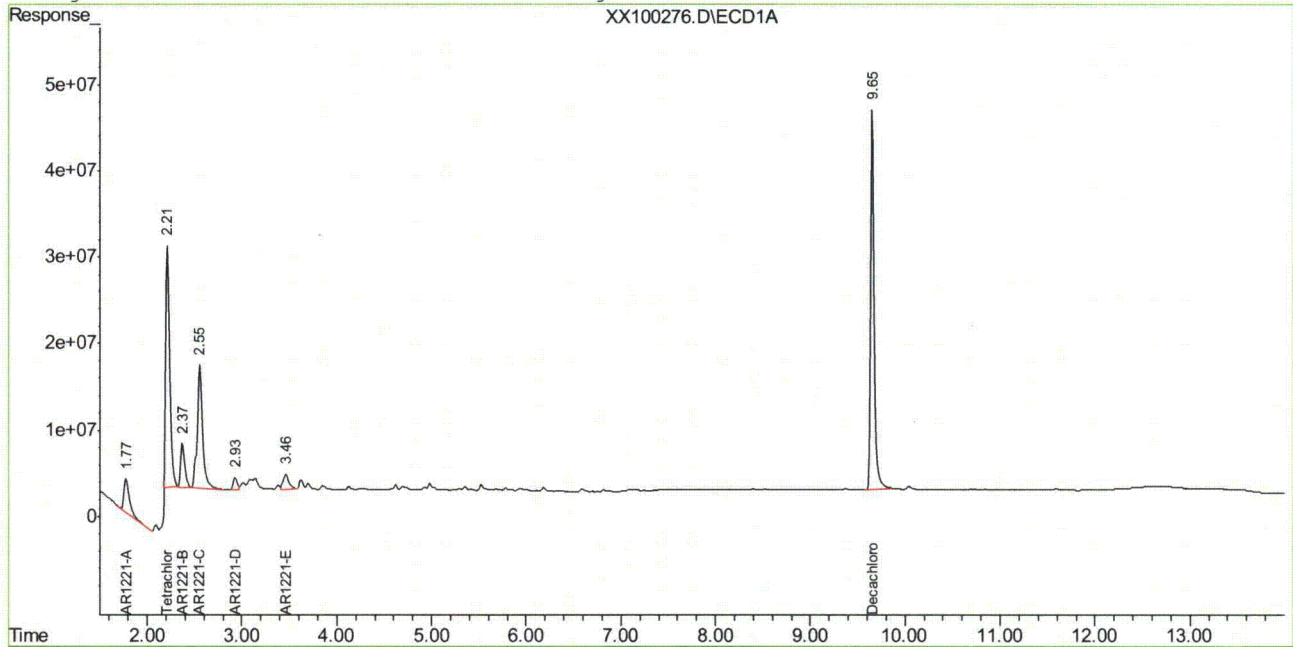
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100276.D PCB3901.M Tue Oct 26 11:17:55 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
Acq On : 25 Oct 2010 4:26 pm Operator: annaz
Sample : ic3901-1000 1221 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:37 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.73 10

Manual Integration Approval Summary

Sample Number: GXX3901-IC3901 **Method:** SW846 8082
Lab FileID: XX100276.D **Analyst approved:** 10/26/10 11:42 Anna Zuk
Injection Time: 10/25/10 16:26 **Supervisor approved:** 10/26/10 11:54 Owen McKenna

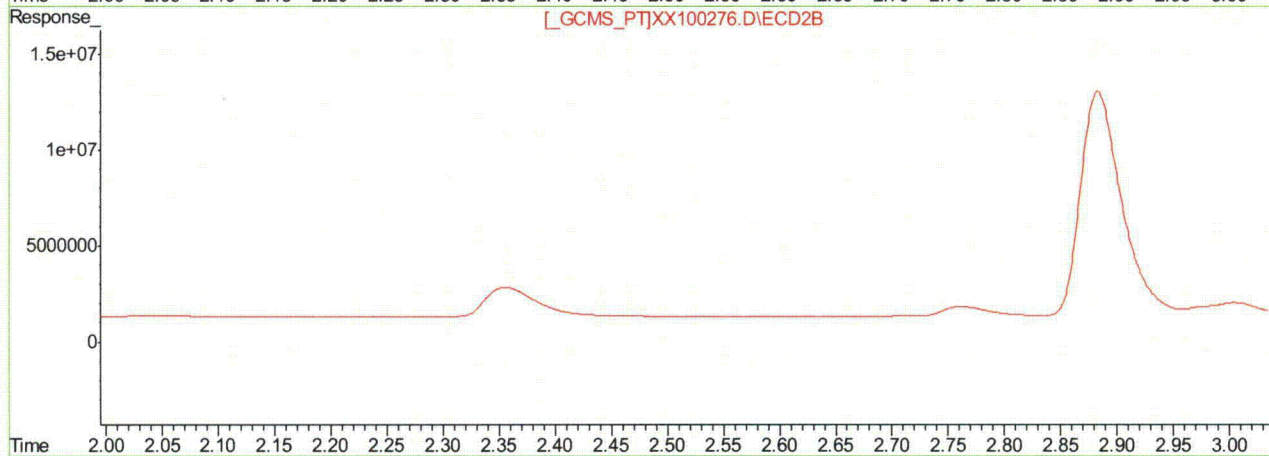
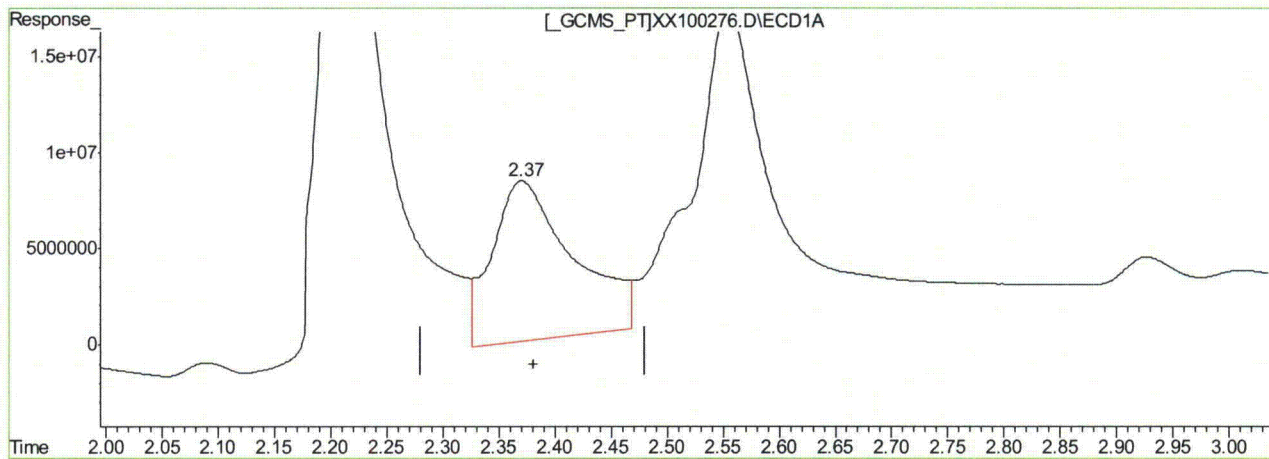
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	2.21	Poorly defined baseline
AR1221-B		1	2.37	Poorly defined baseline
AR1221-C		1	2.55	Poorly defined baseline

10.6.73.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
Acq On : 25 Oct 2010 4:26 pm Operator: annaz
Sample : ic3901-1000 1221 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration



QEdit

(3) AR1221-B
2.37min 2259.316PPB
response 418884545
(3) AR1221-B #2
3.23min 951.276PPB
response 63766353

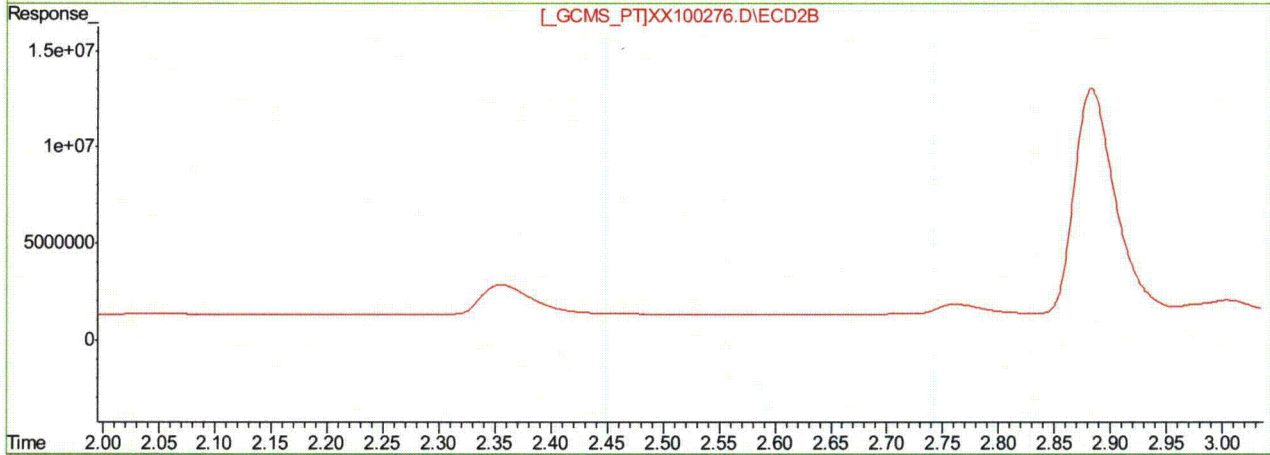
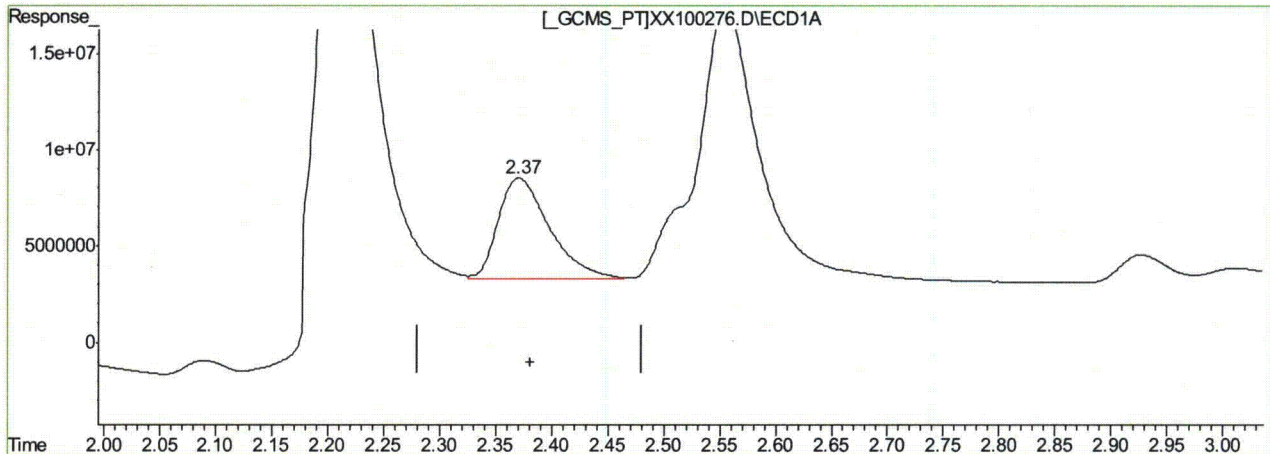
(+) = Expected Retention Time
XX100276.D PCB3901.M Tue Oct 26 10:36:35 2010 GCXX

10.6.73.2
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
 Acq On : 25 Oct 2010 4:26 pm Operator: annaz
 Sample : ic3901-1000 1221 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration



QEdit

(3) AR1221-B
2.37min 881.803PPB m
response 163489171
(3) AR1221-B #2
3.23min 951.276PPB
response 63766353

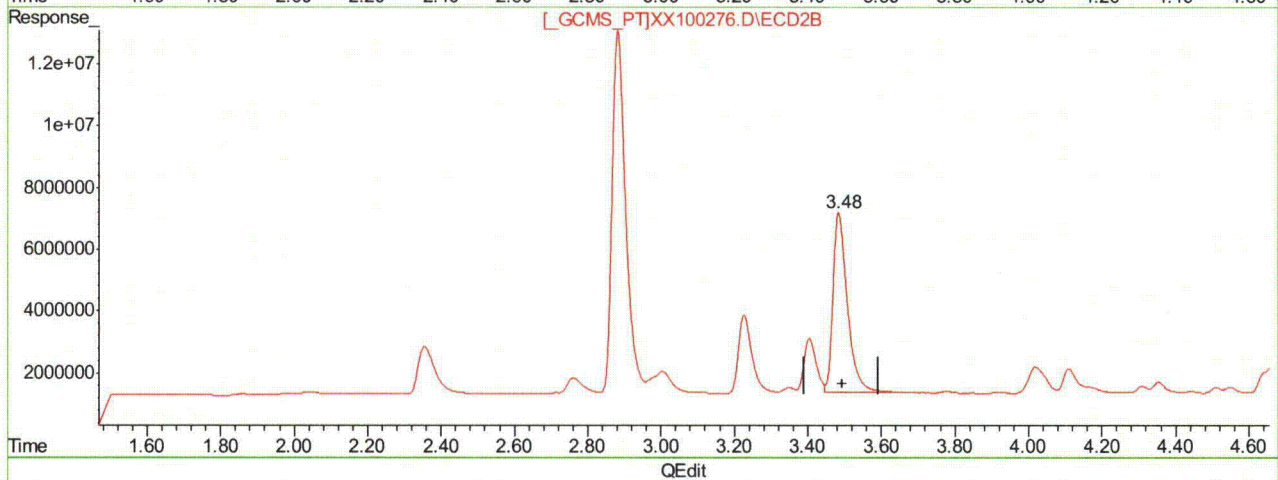
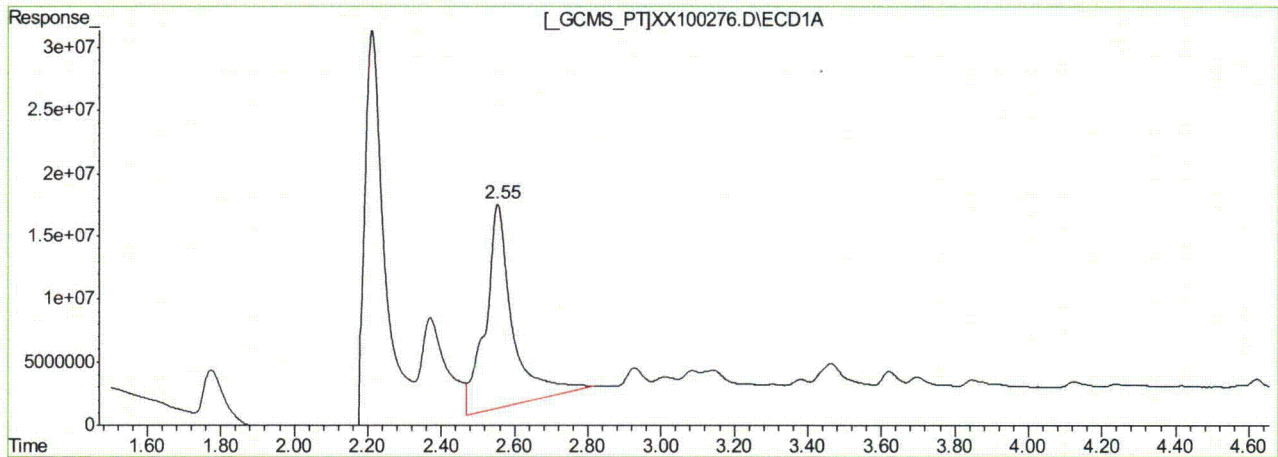
(+) = Expected Retention Time
 XX100276.D PCB3901.M Tue Oct 26 10:36:38 2010 GCXX

10.6.73.3 10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
Acq On : 25 Oct 2010 4:26 pm Operator: annaz
Sample : ic3901-1000 1221 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration



(4) AR1221-C
2.55min 1384.869PPB
response 818507931

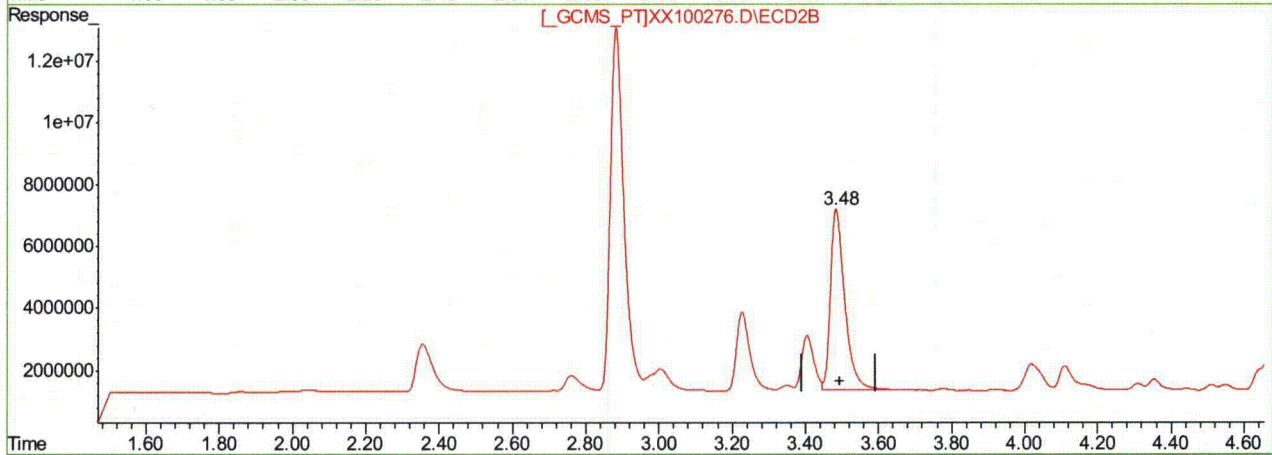
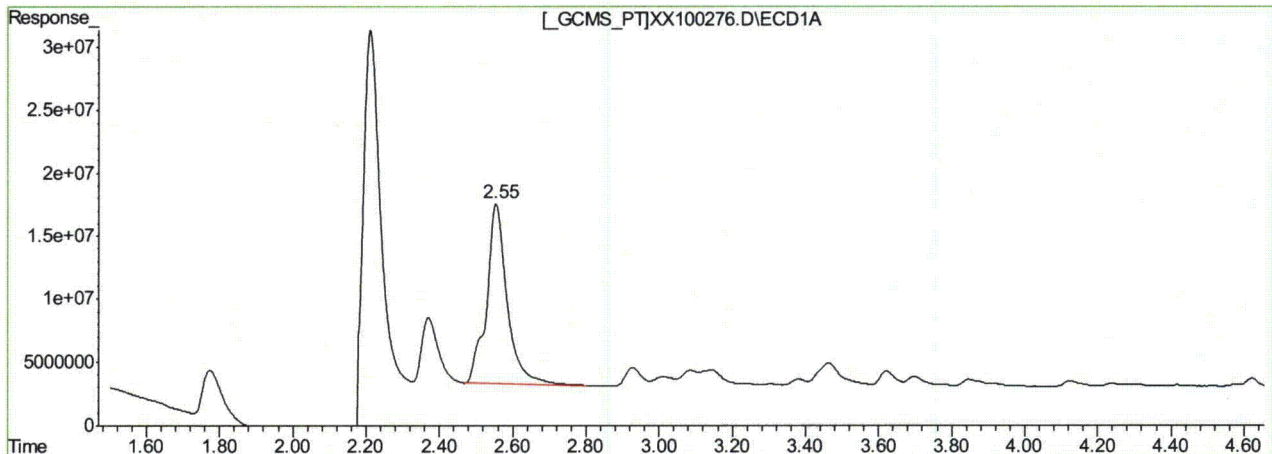
(4) AR1221-C #2
3.49min 942.334PPB
response 158588566

(+) = Expected Retention Time
XX100276.D PCB3901.M Tue Oct 26 10:36:42 2010 GCXX

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
Acq On : 25 Oct 2010 4:26 pm Operator: annaz
Sample : ic3901-1000 1221 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration



QEdit

(4) AR1221-C
2.55min 934.779PPB m
response 552488254
(4) AR1221-C #2
3.49min 942.334PPB
response 158588566

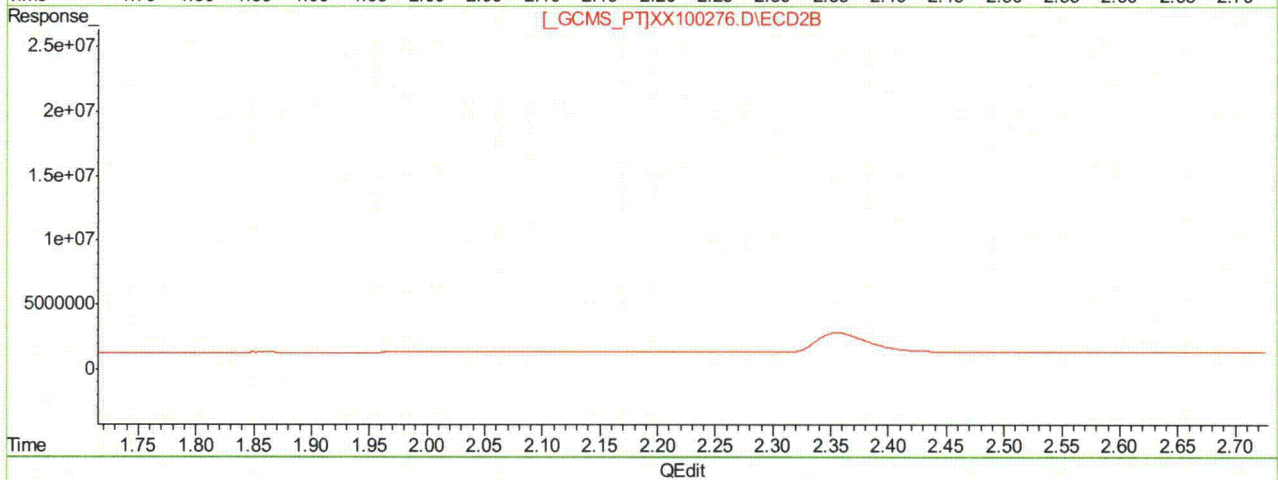
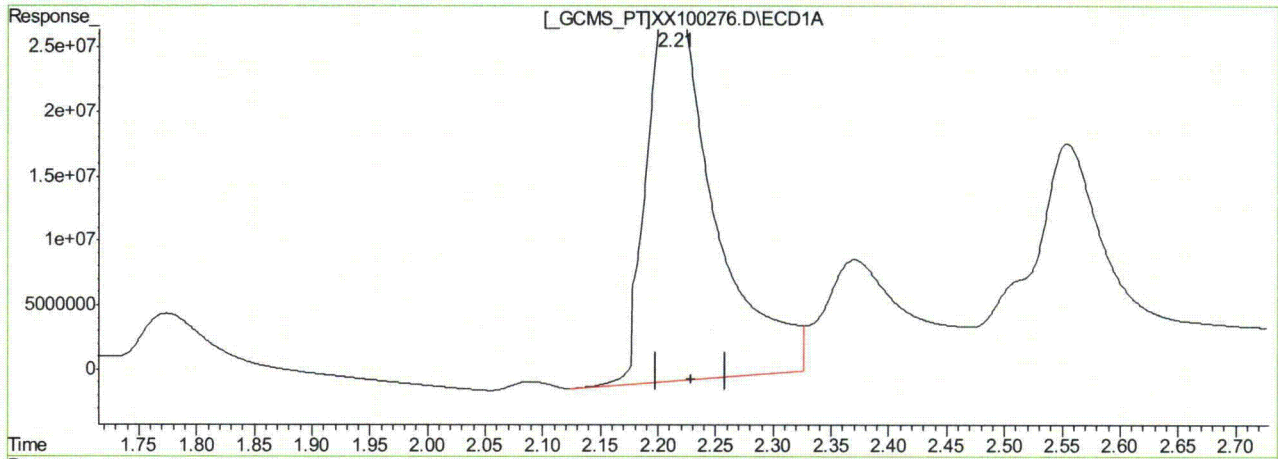
(+) = Expected Retention Time
XX100276.D PCB3901.M Tue Oct 26 10:36:47 2010 GCXX

10.6.73.5
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
Acq On : 25 Oct 2010 4:26 pm Operator: annaz
Sample : ic3901-1000 1221 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration



Retention Time (min)	Concentration (ppb)	Response
2.21	64.017	1227003274
2.28	44.937	299688632

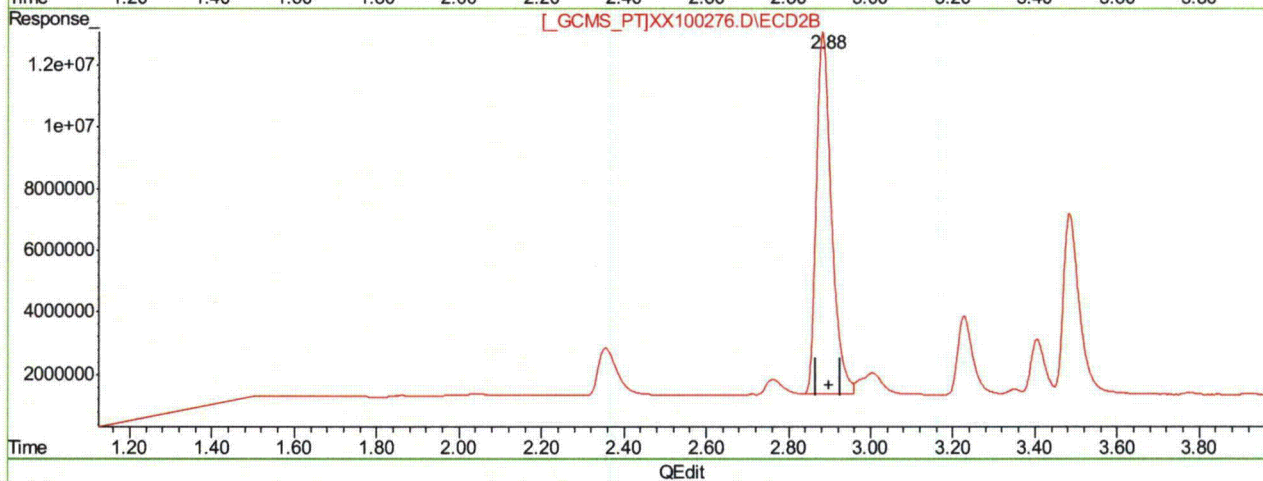
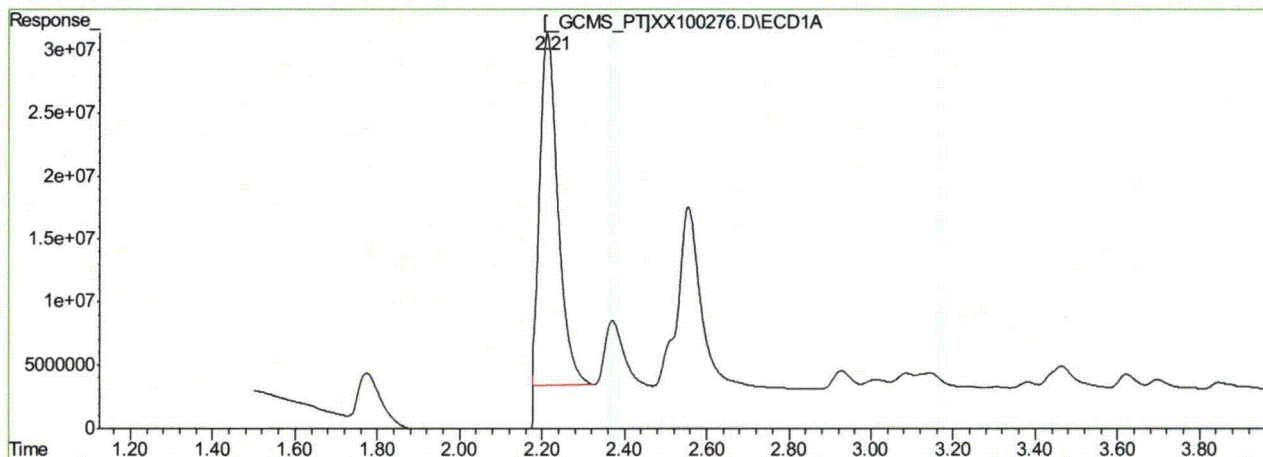
(+) = Expected Retention Time
XX100276.D PCB3901.M Tue Oct 26 10:36:53 2010 GCXX

10.6.73.6
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD1A.CH Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100276.D\ECD2B.CH
 Acq On : 25 Oct 2010 4:26 pm Operator: annaz
 Sample : ic3901-1000 1221 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:36 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration



(1) Tetrachloro-m-xylene (S)
 2.21min 44.628ppb m
 response 855369797

(1) Tetrachloro-m-xylene #2 (S)
 2.88min 44.937ppb
 response 299688632

(+) = Expected Retention Time
 XX100276.D PCB3901.M Tue Oct 26 10:37:03 2010 GCXX

10.6.73.7
10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100277.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100277.D\ECD2B.CH
Acq On : 25 Oct 2010 4:48 pm Operator: annaz
Sample : ic3901-1000 1232 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:39 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. Rows include System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1232-A through E).

10.6.74 10

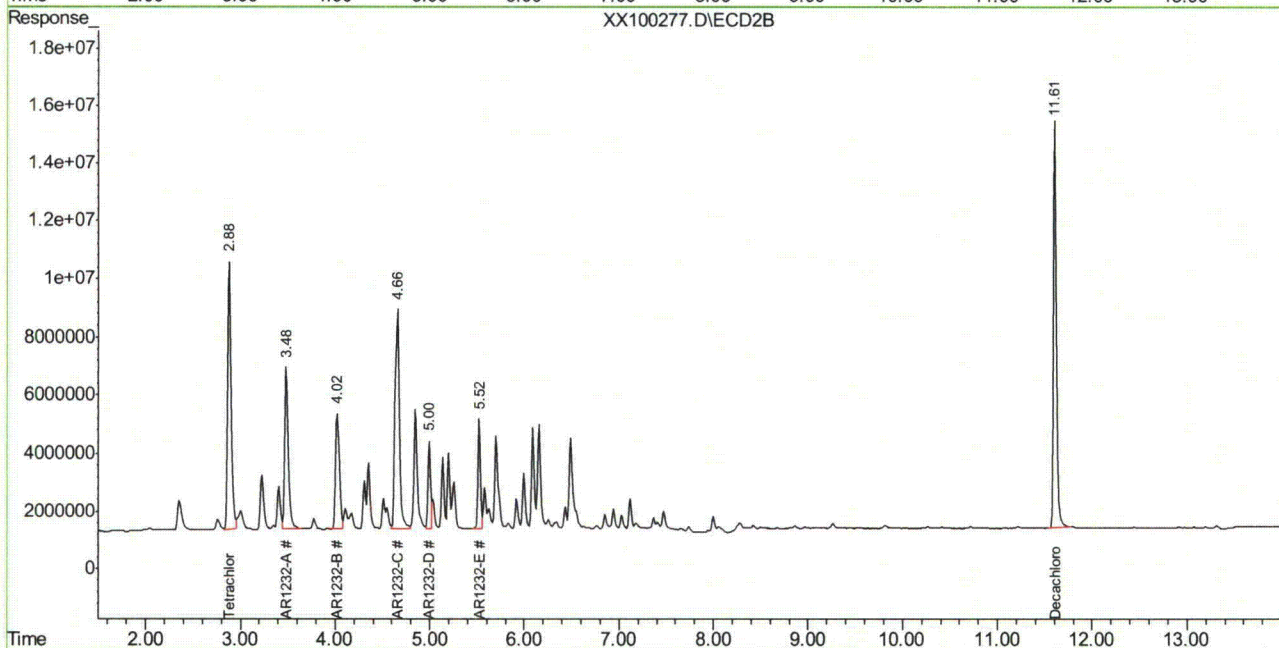
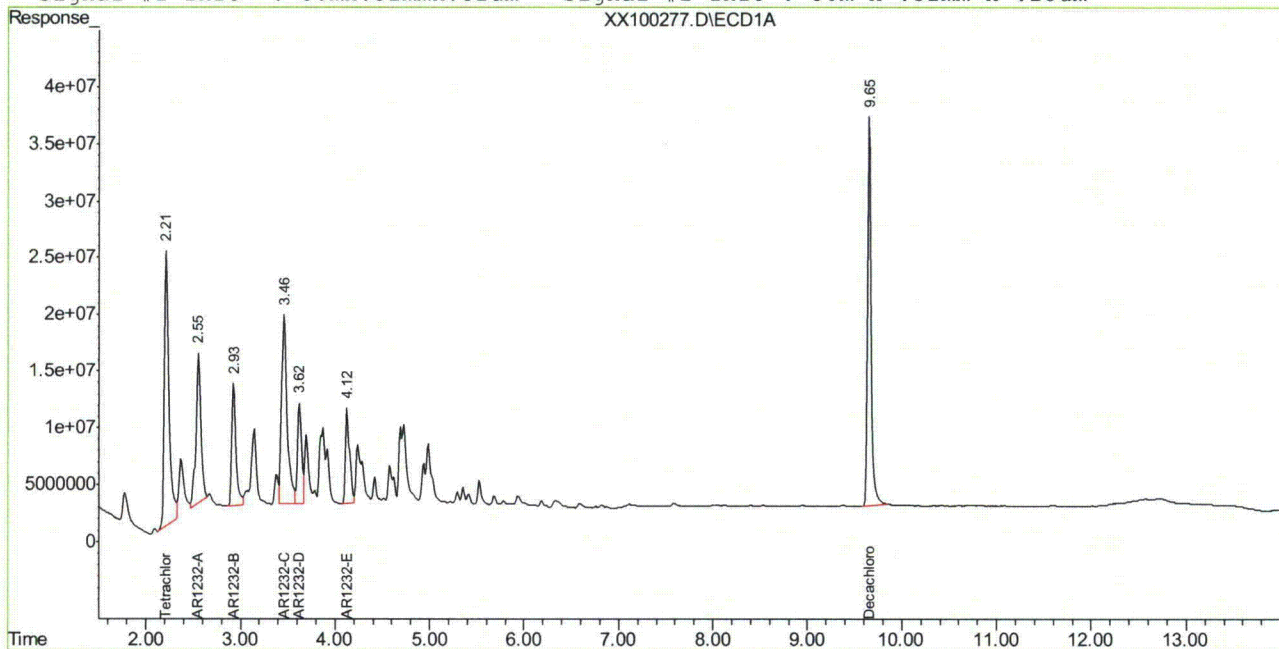
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100277.D PCB3901.M Tue Oct 26 11:19:17 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100277.D\ECD1A.CH Vial: 3
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100277.D\ECD2B.CH
 Acq On : 25 Oct 2010 4:48 pm Operator: annaz
 Sample : ic3901-1000 1232 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:39 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.74 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100278.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100278.D\ECD2B.CH
Acq On : 25 Oct 2010 5:09 pm Operator: annaz
Sample : ic3901-1000 1242 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:41 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. Rows include System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1242-A through E).

10.6.75 10

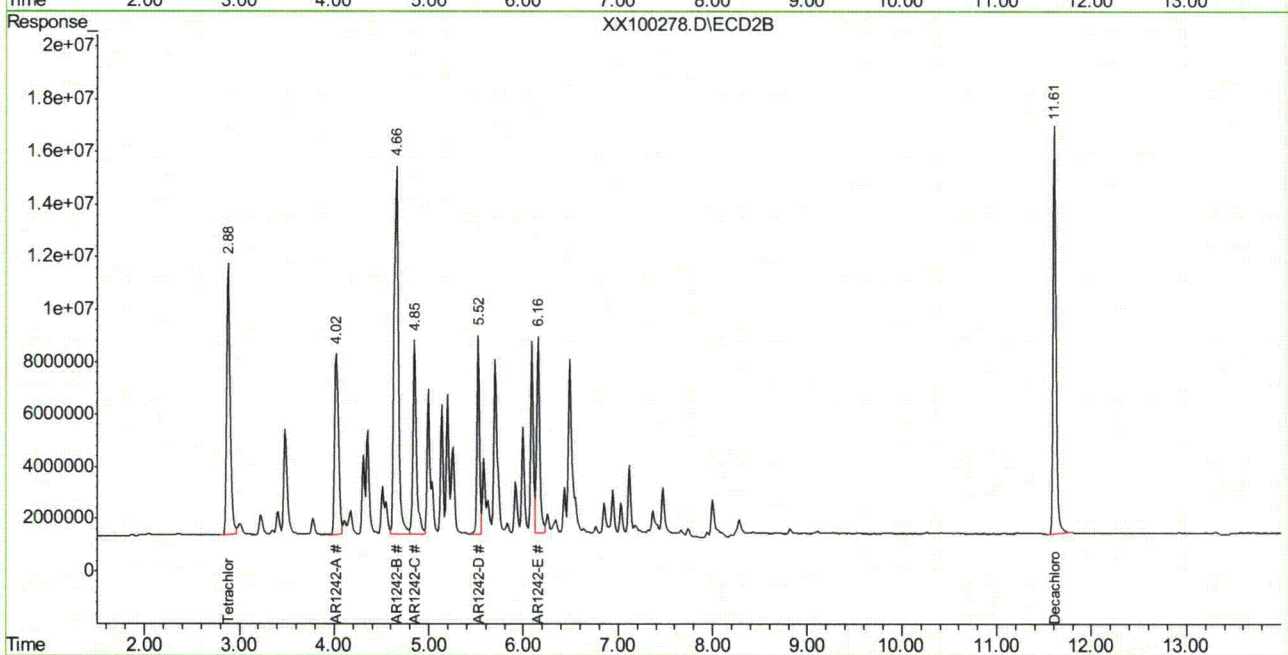
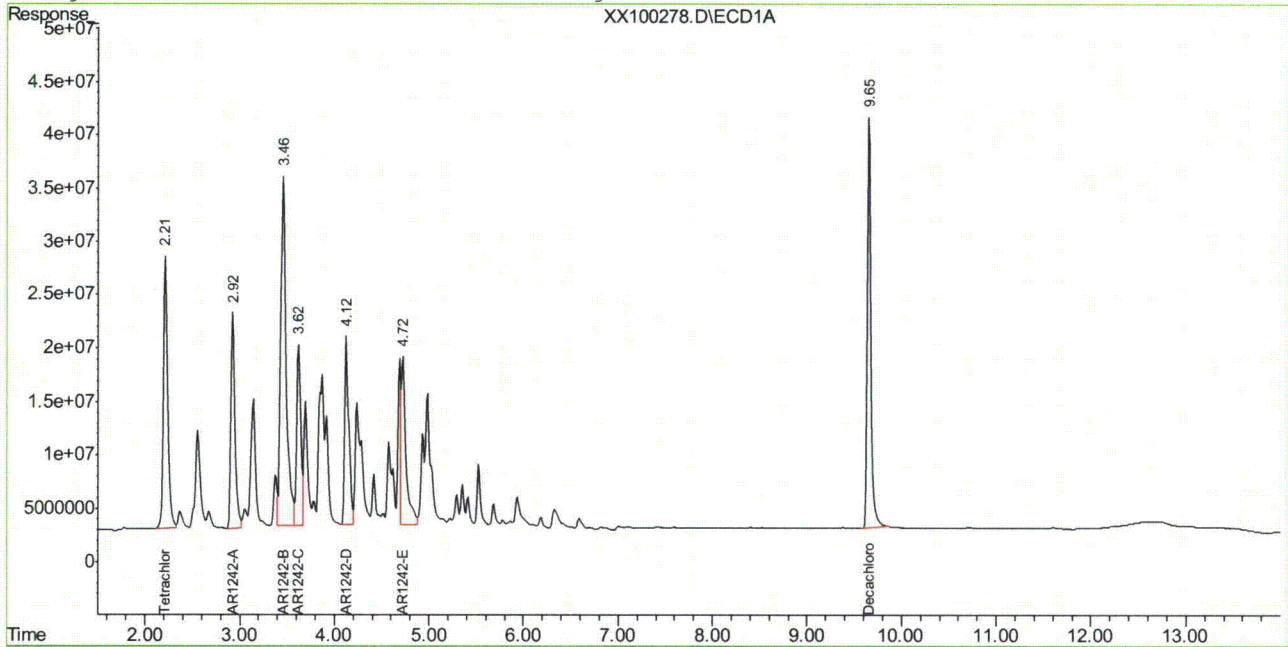
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100278.D PCB3901.M Tue Oct 26 11:19:41 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100278.D\ECD1A.CH Vial: 4
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100278.D\ECD2B.CH
 Acq On : 25 Oct 2010 5:09 pm Operator: annaz
 Sample : ic3901-1000 1242 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:41 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.75 10

Manual Integrations
APPROVED
(compounds with "m" flag)
Owen McKenna
10/26/10 11:54

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD2B.CH
Acq On : 25 Oct 2010 5:24 pm Operator: annaz
Sample : ic3901-1000 1248 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 10:49 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	812.2E6	275.3E6	42.376	41.277
Spiked Amount	40.000		Recovery	=	105.94%	103.19%
51) S Decachlorobiphen	9.65	11.61	1035.5E6	343.9E6	44.768	40.069
Spiked Amount	40.000		Recovery	=	111.92%	100.17%
Target Compounds						
17) AR1248-A	2.92	4.02	275.6E6	95392574	1008.534	974.553
18) AR1248-B	3.46	4.66	819.4E6	269.4E6	972.410	962.284
19) AR1248-C	3.85	5.14	849.6E6	163.5E6	982.544m	976.242
20) AR1248-D	4.12	5.52	840.4E6	219.5E6	983.168	976.918
21) AR1248-E	4.24	5.70	478.5E6	249.2E6	972.580	978.931
22) AR1248-F	4.72	6.16	848.7E6	304.9E6	988.302	968.927
23) AR1248-G	4.98	6.49	611.8E6	333.6E6	962.426	932.096

10.6.76
10

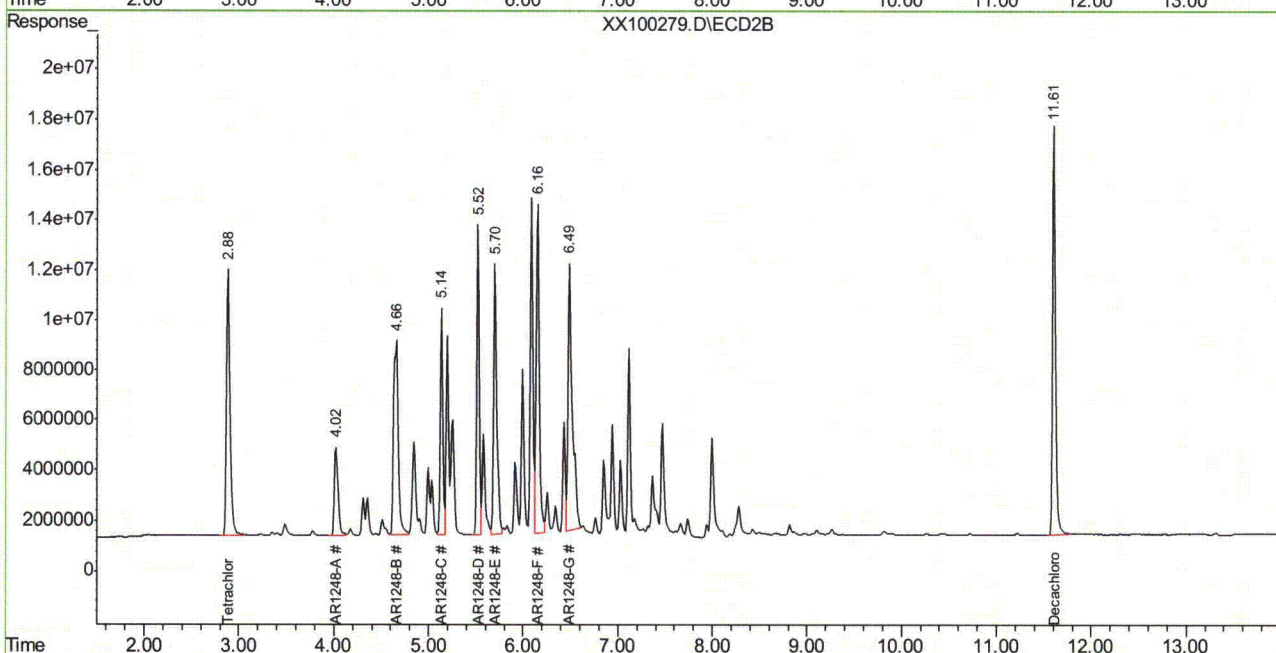
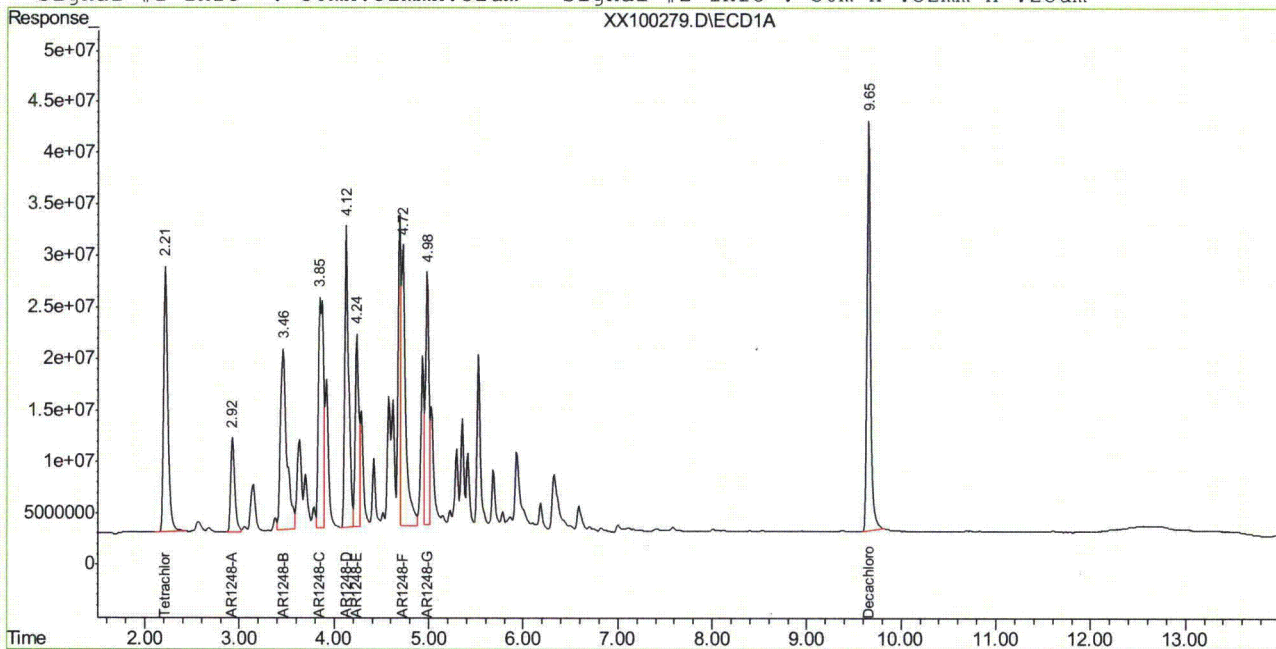
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100279.D PCB3901.M Tue Oct 26 11:20:17 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD1A.CH Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD2B.CH
 Acq On : 25 Oct 2010 5:24 pm Operator: annaz
 Sample : ic3901-1000 1248 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:49 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.76 10

Manual Integration Approval Summary

Sample Number: GXX3901-IC3901 **Method:** SW846 8082
Lab FileID: XX100279.D **Analyst approved:** 10/26/10 11:42 Anna Zuk
Injection Time: 10/25/10 17:24 **Supervisor approved:** 10/26/10 11:54 Owen McKenna

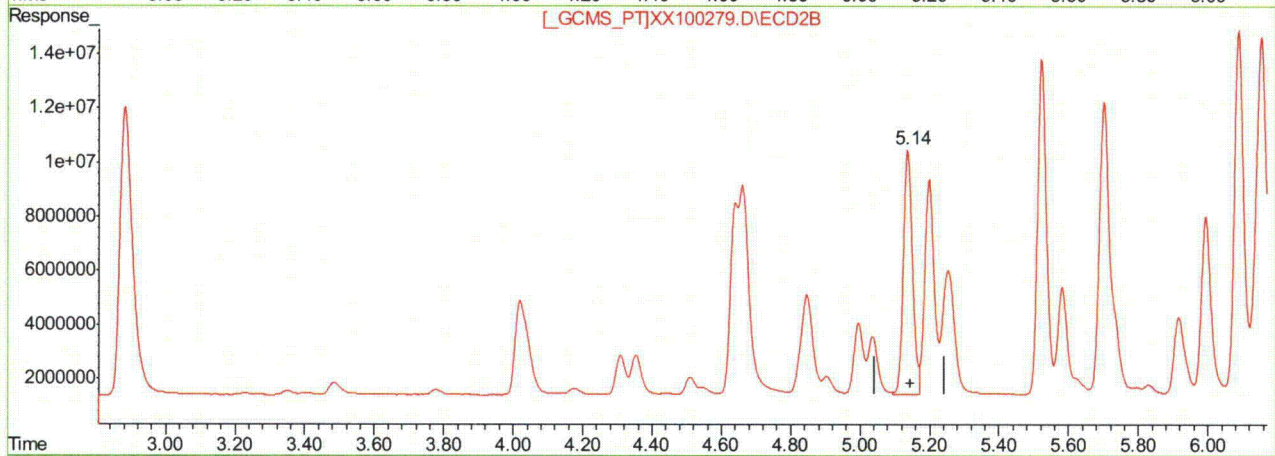
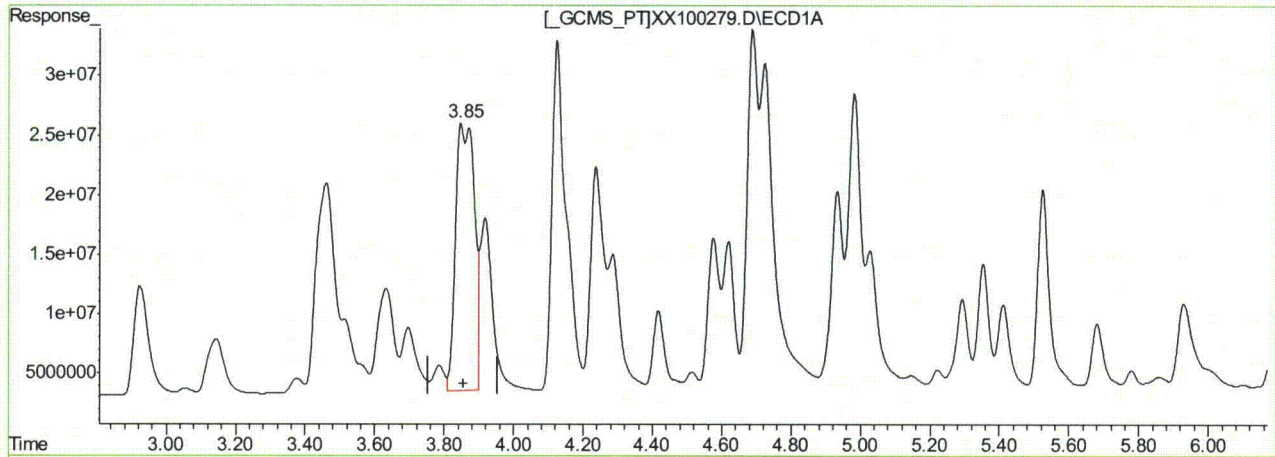
Parameter	CAS	Sig#	R.T. (min.)	Reason
AR1248-C		1	3.85	Poorly defined baseline

10.6.76.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD1A.CH Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100279.D\ECD2B.CH
 Acq On : 25 Oct 2010 5:24 pm Operator: annaz
 Sample : ic3901-1000 1248 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:48 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration



Time QEdit

(19) AR1248-C

3.85min 982.544PPB m

response 849608091

(19) AR1248-C #2

5.14min 976.242PPB

response 163527770

(+) = Expected Retention Time
 XX100279.D PCB3901.M Tue Oct 26 10:49:19 2010 GCXX

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100280.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100280.D\ECD2B.CH
 Acq On : 25 Oct 2010 5:46 pm Operator: annaz
 Sample : ic3901-1000 1254 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:51 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	793.0E6	264.9E6	41.376	39.720
Spiked Amount	40.000		Recovery	=	103.44%	99.30%
51) S Decachlorobiphen	9.65	11.61	1031.6E6	337.1E6	44.596	39.276
Spiked Amount	40.000		Recovery	=	111.49%	98.19%
Target Compounds						
24) AR1254-A	4.62	6.14	707.0E6	258.4E6	973.387	950.915
25) AR1254-B	4.98	6.43	877.7E6	279.4E6	963.230	936.846
26) AR1254-C	5.35	6.85	710.0E6	120.9E6	977.985	959.833
27) AR1254-D	5.52	6.94	1251.1E6	223.2E6	969.328	940.910
28) AR1254-E	5.93	7.47	1005.5E6	318.6E6	973.182	947.460
29) AR1254-F	6.18	7.99	940.9E6	246.2E6	1004.221	903.751
30) AR1254-G	6.58	8.28	1324.3E6	443.4E6	978.432	905.503

10.6.77
10

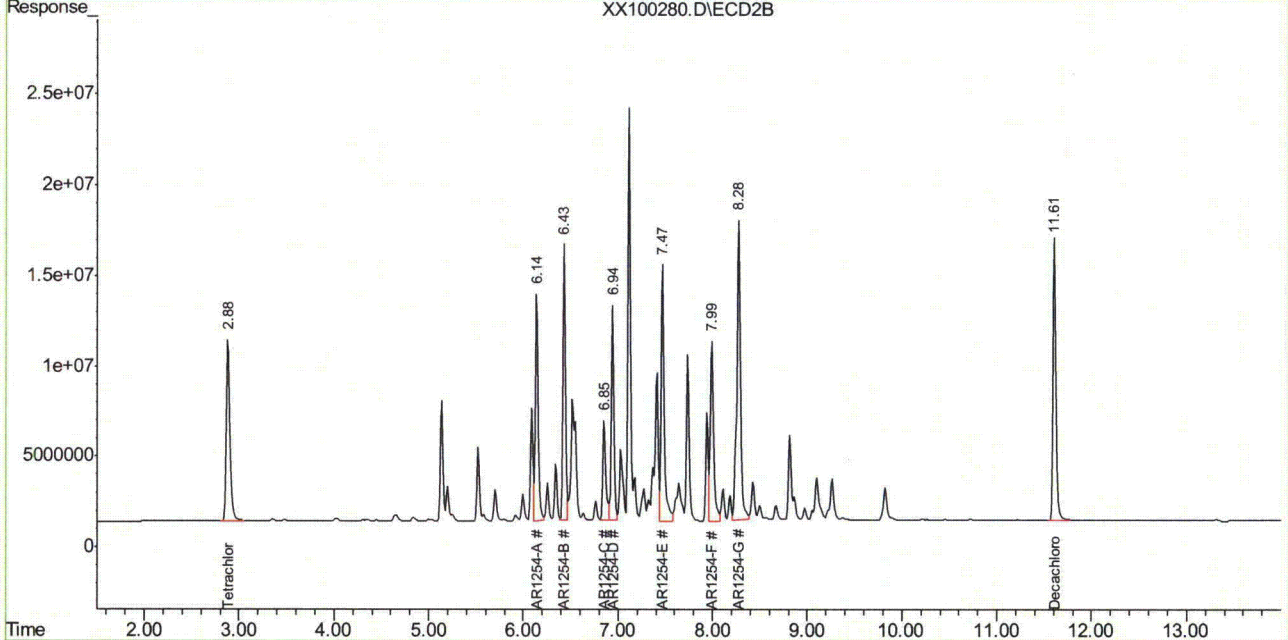
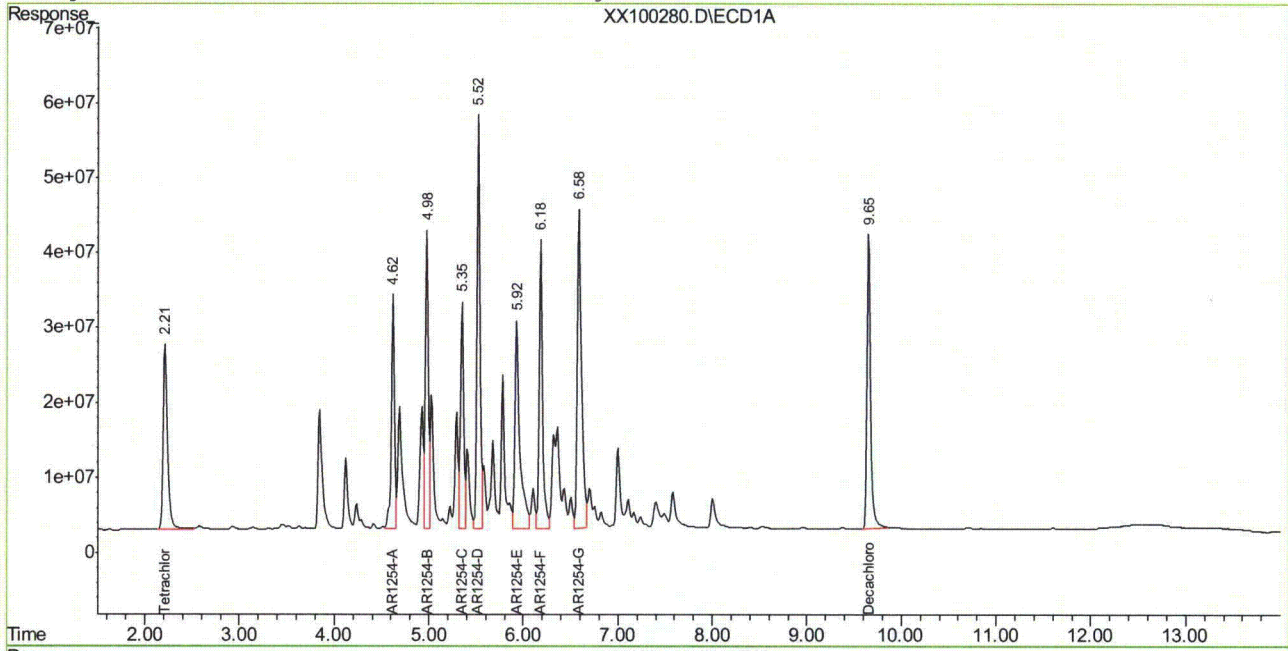
 (f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100280.D PCB3901.M Tue Oct 26 11:20:39 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100280.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100280.D\ECD2B.CH
 Acq On : 25 Oct 2010 5:46 pm Operator: annaz
 Sample : ic3901-1000 1254 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:51 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.77 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100281.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100281.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:07 pm Operator: annaz
 Sample : ic3901-1000 1262 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:52 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	754.5E6	252.8E6	39.366	37.912
Spiked Amount	40.000		Recovery	=	98.41%	94.78%
51) S Decachlorobiphen	9.65	11.61	986.1E6	321.1E6	42.631	37.403
Spiked Amount	40.000		Recovery	=	106.58%	93.51%
Target Compounds						
31) AR1262-A	6.18	7.74	983.4E6	314.6E6	956.751	936.110
32) AR1262-B	6.75	8.42	1378.7E6	473.8E6	968.064	946.411
33) AR1262-C	7.11	8.87	1274.1E6	426.5E6	962.170	946.520
34) AR1262-D	7.58	9.26	3134.4E6	932.1E6	996.489	955.216
35) AR1262-E	8.05	9.81	1196.5E6	657.2E6	1042.621	961.846

10.678 10

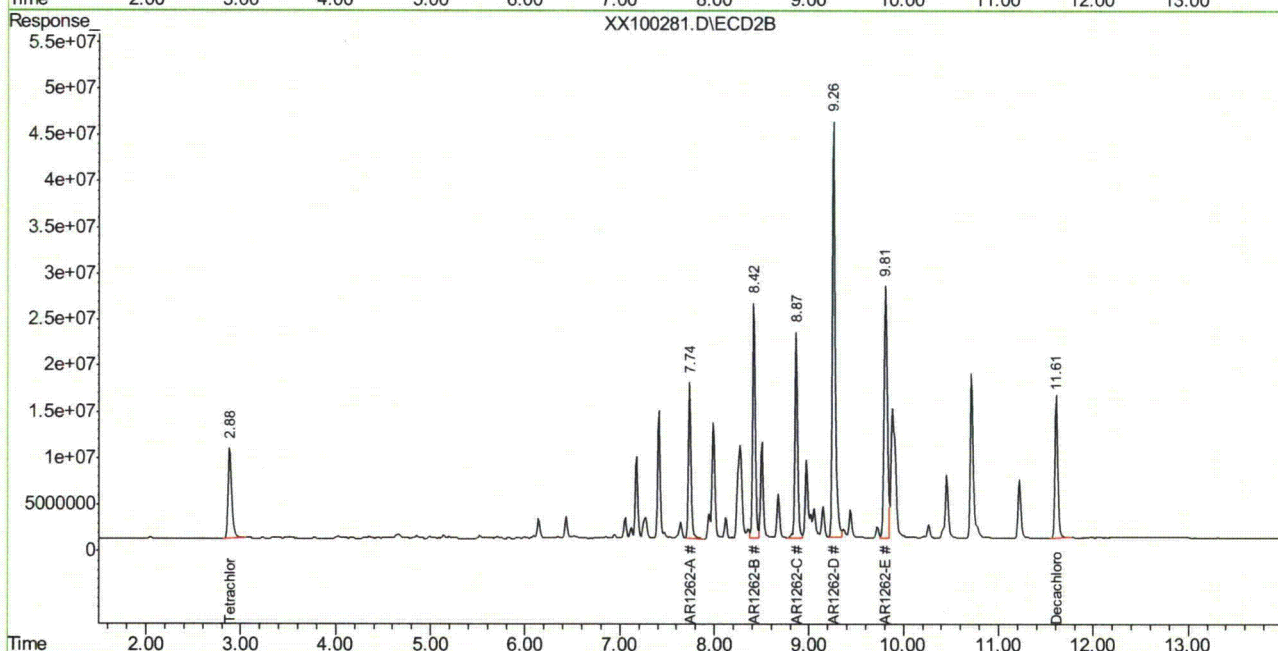
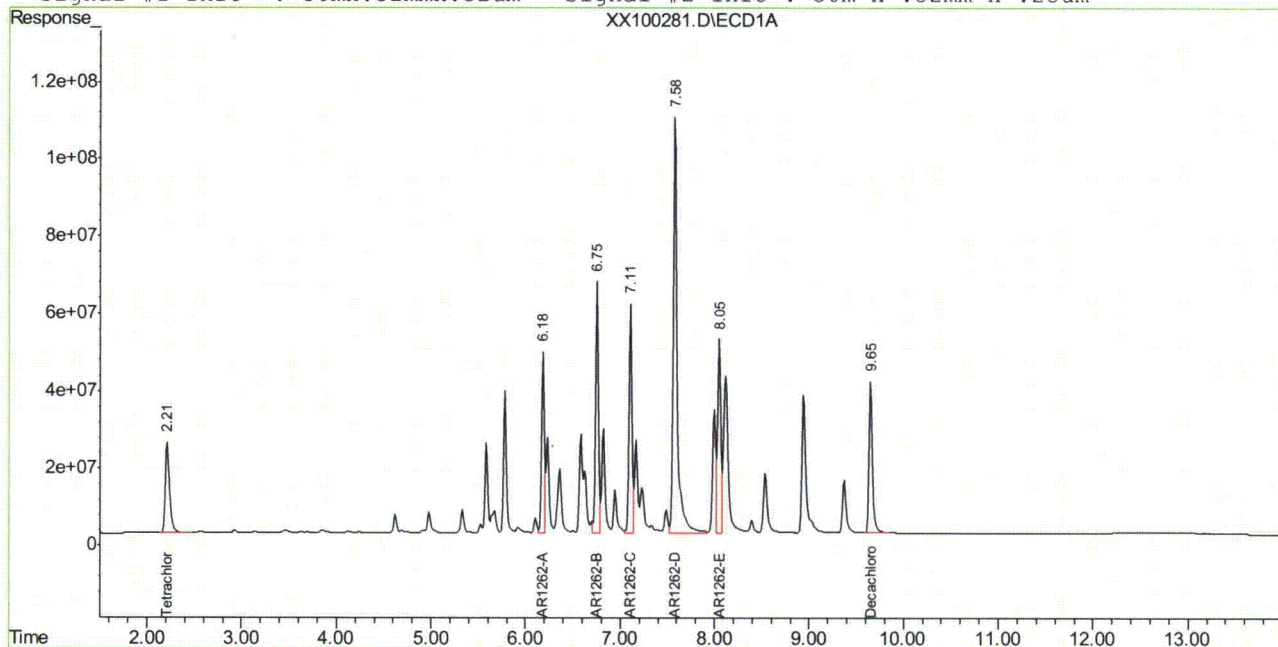
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100281.D PCB3901.M Tue Oct 26 11:21:00 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100281.D\ECD1A.CH Vial: 7
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100281.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:07 pm Operator: annaz
 Sample : ic3901-1000 1262 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:52 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.78 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100282.D\ECD1A.CH Vial: 8
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100282.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:29 pm Operator: annaz
 Sample : ic3901-1000 1268 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:52 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	800.0E6	264.2E6	41.741	39.619
Spiked Amount	40.000		Recovery	=	104.35%	99.05%
51) S Decachlorobiphen	9.65	11.61	2638.3E6	820.2E6	114.058	95.549
Spiked Amount	40.000		Recovery	=	285.15%	238.87%
Target Compounds						
36) AR1268-A	8.05	9.81	3115.6E6	1137.8E6	1012.099	985.379
37) AR1268-B	8.11	9.88	3986.2E6	1310.6E6	1055.201	993.919
38) AR1268-C	8.39	10.27	2662.0E6	963.2E6	1044.027	991.128
39) AR1268-D	8.94	10.72	1017.1E6	368.9E6	1056.011	982.598
40) AR1268-E	9.37	11.22	8575.5E6	2823.3E6	1060.609	989.282

10.6.79 10

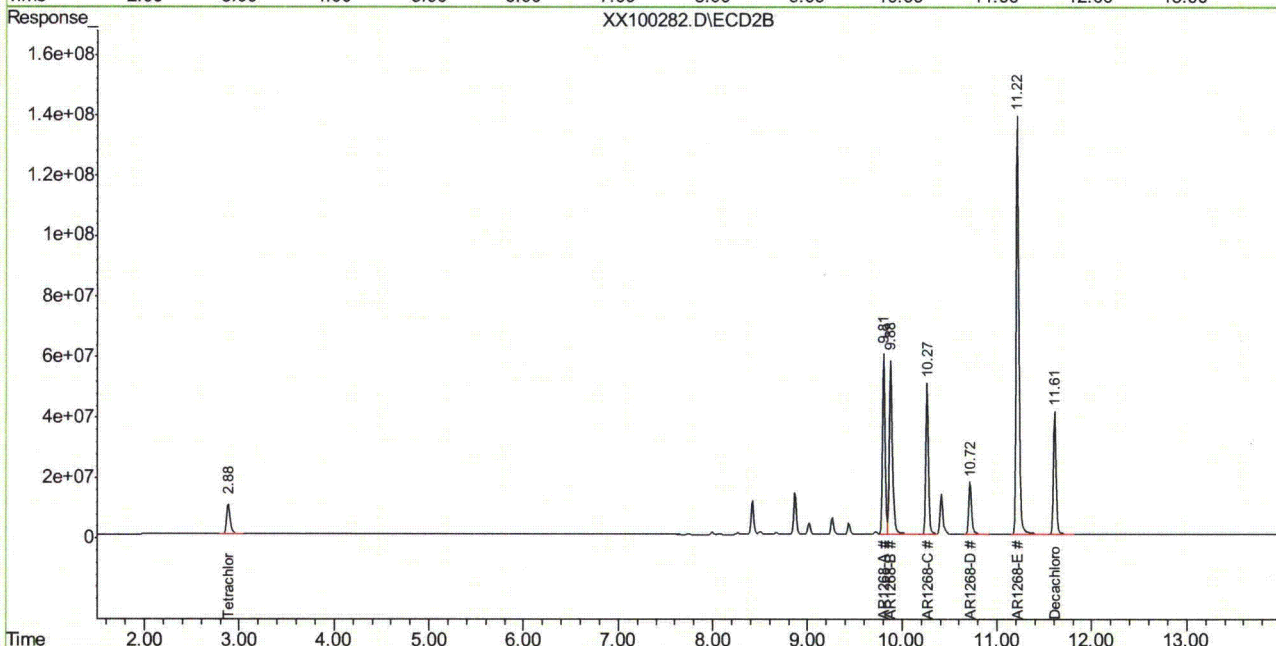
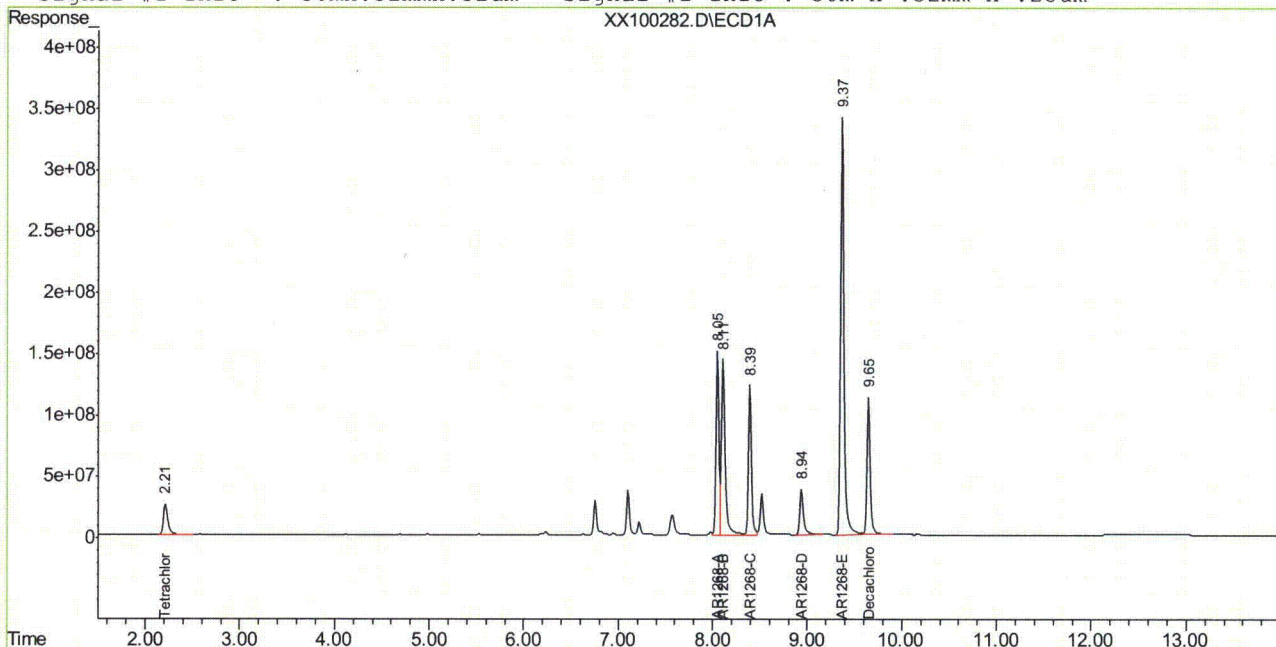
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100282.D PCB3901.M Tue Oct 26 11:21:22 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100282.D\ECD1A.CH Vial: 8
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100282.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:29 pm Operator: annaz
 Sample : ic3901-1000 1268 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 10:52 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.79 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100283.D\ECD1A.CH Vial: 9
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100283.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:51 pm Operator: annaz
 Sample : ic3901-50 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:08 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	38101209	13145412	1.988	1.971
Spiked Amount	40.000		Recovery	=	4.97%	4.93%
51) S Decachlorobiphen	9.65	11.61	52571026	18401528	2.273	2.144
Spiked Amount	40.000		Recovery	=	5.68%	5.36%
Target Compounds						
41) AR1016-A	2.56	3.48	21824753	6875583	58.336	56.208
42) AR1016-B	2.93	4.02	39033779	13719649	54.814	55.429
43) AR1016-C	3.46	4.66	76041026	28970632	48.786	53.089
44) AR1016-D	3.62	5.00	30679974	6889315	51.653	49.985
45) AR1016-E	4.12	5.52	32376436	8776734	50.188	52.542
46) AR1260-A	6.59	8.28	73004162	39429162	46.576	68.577
47) AR1260-B	6.75	8.42	43053841	20186522	44.903	58.110
48) AR1260-C	7.11	8.87	53989115	18132954	55.551	55.290
49) AR1260-D	7.59	9.27	123.9E6	39348264	50.954	50.044
50) AR1260-E	8.01	9.82	35038912	26680250	37.459	49.673

10.6.80 10

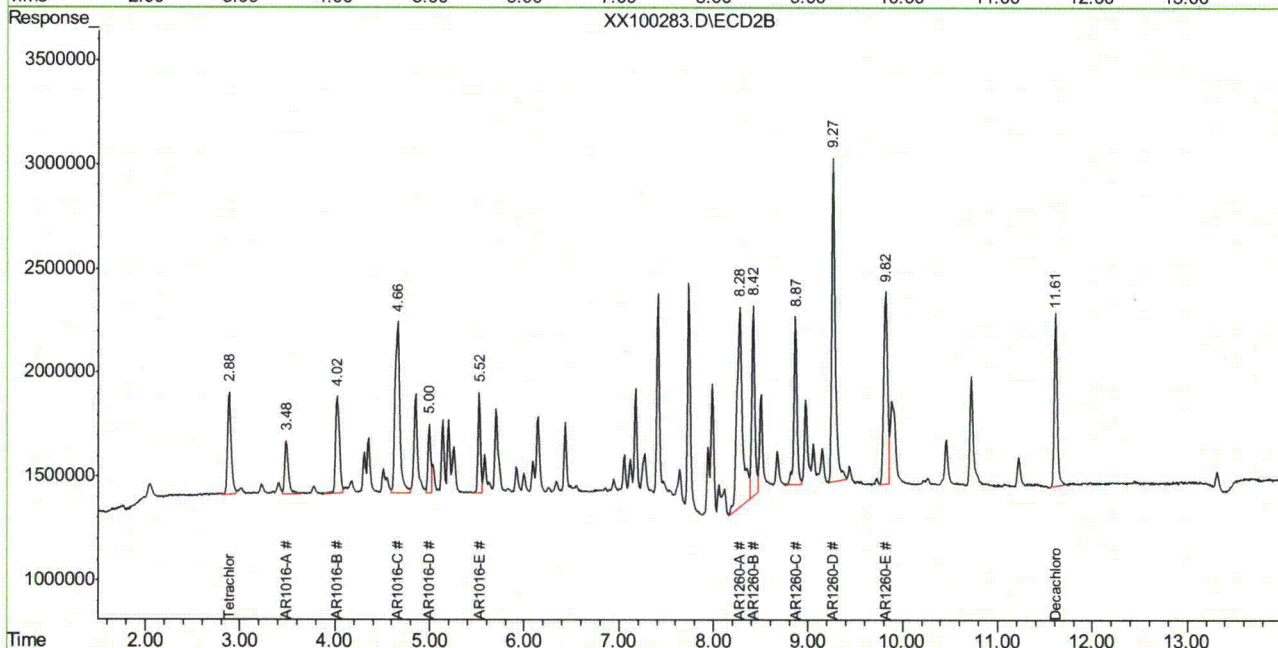
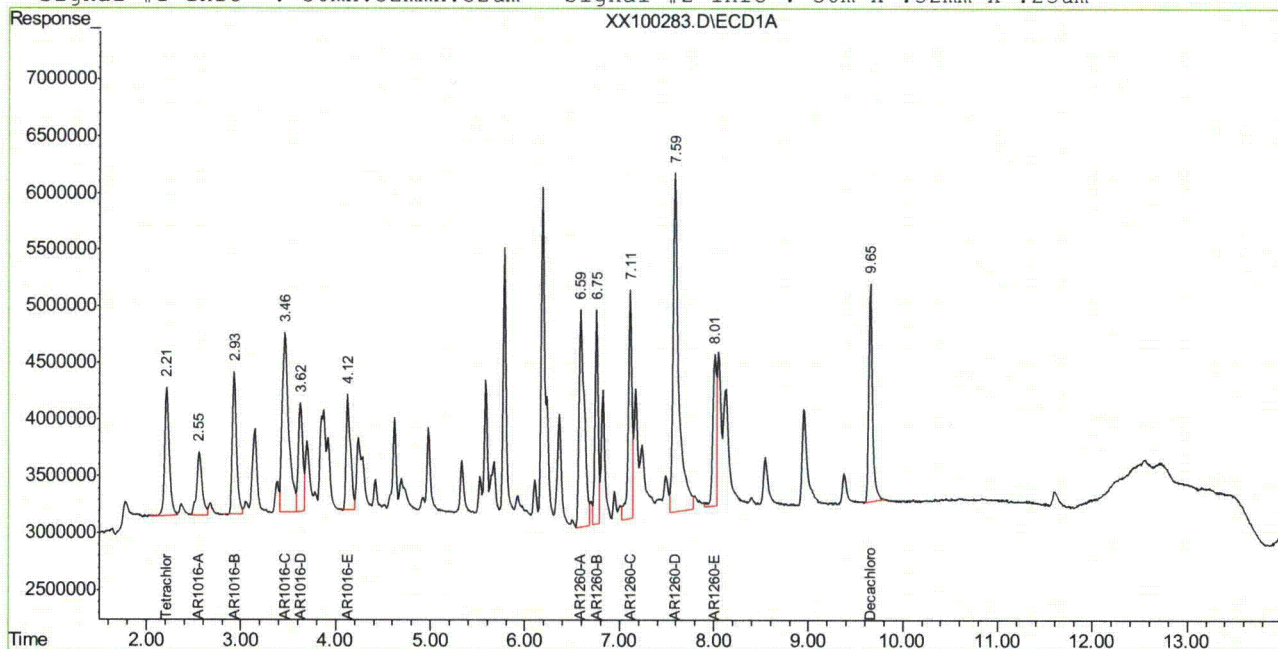
 (f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100283.D PCB3901.M Tue Oct 26 11:22:52 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100283.D\ECD1A.CH Vial: 9
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100283.D\ECD2B.CH
 Acq On : 25 Oct 2010 6:51 pm Operator: annaz
 Sample : ic3901-50 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:08 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



XX100283.D PCB3901.M Tue Oct 26 11:22:53 2010 GCXX Page 2

10.6.80 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100284.D\ECD1A.CH Vial: 10
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100284.D\ECD2B.CH
 Acq On : 25 Oct 2010 7:12 pm Operator: annaz
 Sample : ic3901-250 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	186.3E6	61685580	9.720	9.249
Spiked Amount	40.000		Recovery	=	24.30%	23.12%
51) S Decachlorobiphen	9.65	11.61	258.1E6	85733283	11.159	9.988
Spiked Amount	40.000		Recovery	=	27.90%	24.97%
Target Compounds						
41) AR1016-A	2.55	3.48	98987012	30615711	264.584	250.285
42) AR1016-B	2.92	4.02	178.3E6	59965519	250.319	242.267
43) AR1016-C	3.46	4.66	370.7E6	128.8E6	237.848	235.964
44) AR1016-D	3.62	5.00	146.9E6	30640551	247.309	222.310
45) AR1016-E	4.12	5.52	158.2E6	40183971	245.253	240.561
46) AR1260-A	6.59	8.28	367.3E6	139.0E6	234.315	241.753
47) AR1260-B	6.75	8.42	214.0E6	83870798	223.203	241.433
48) AR1260-C	7.11	8.87	225.7E6	79199604	232.208	241.491
49) AR1260-D	7.58	9.26	606.9E6	189.4E6	249.522	240.867
50) AR1260-E	8.00	9.82	197.3E6	127.9E6	210.877	238.066

10.6.81
10

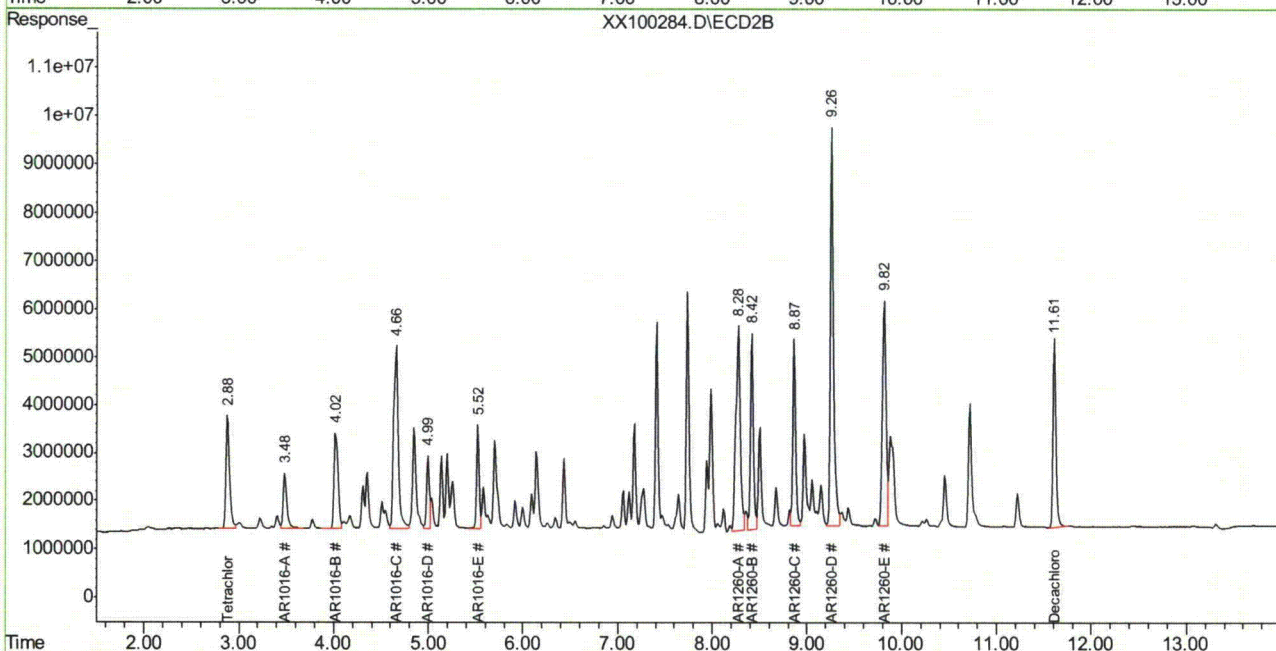
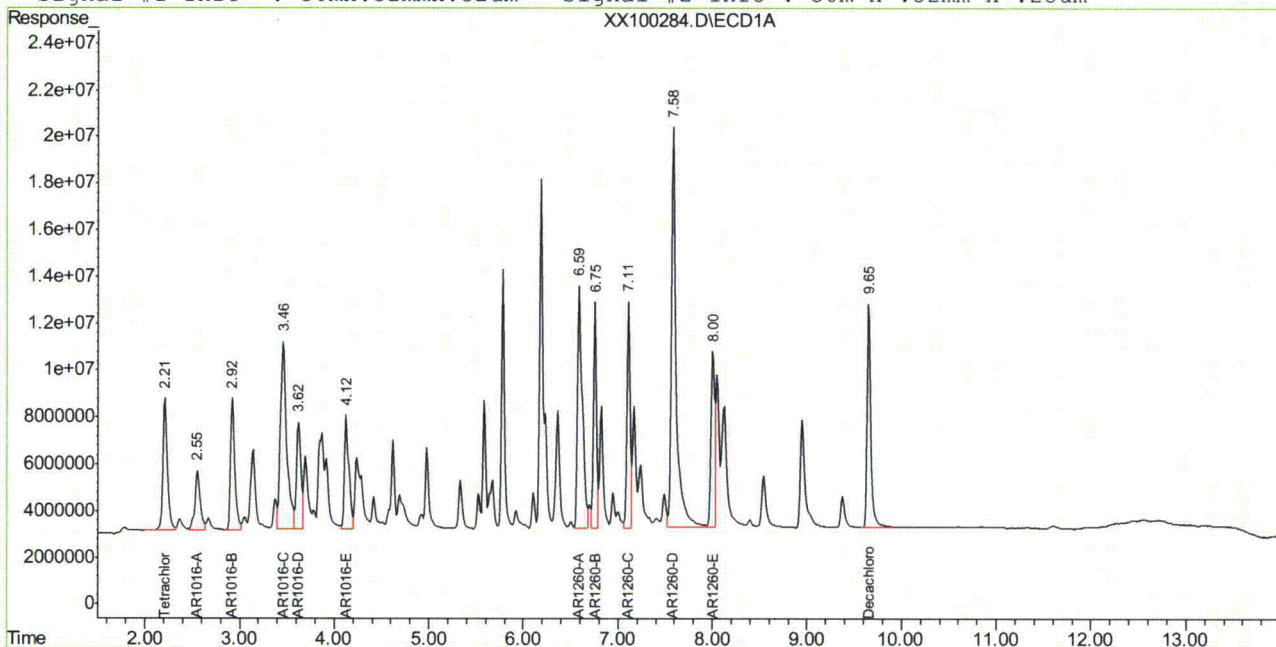
 (f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100284.D PCB3901.M Tue Oct 26 11:23:25 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100284.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100284.D\ECD2B.CH
Acq On : 25 Oct 2010 7:12 pm Operator: annaz
Sample : ic3901-250 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 11:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.81 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100285.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100285.D\ECD2B.CH
Acq On : 25 Oct 2010 7:27 pm Operator: annaz
Sample : ic3901-500 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 11:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. It lists System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1016-A through AR1260-E) with their respective retention times and response values.

10.6.82

10

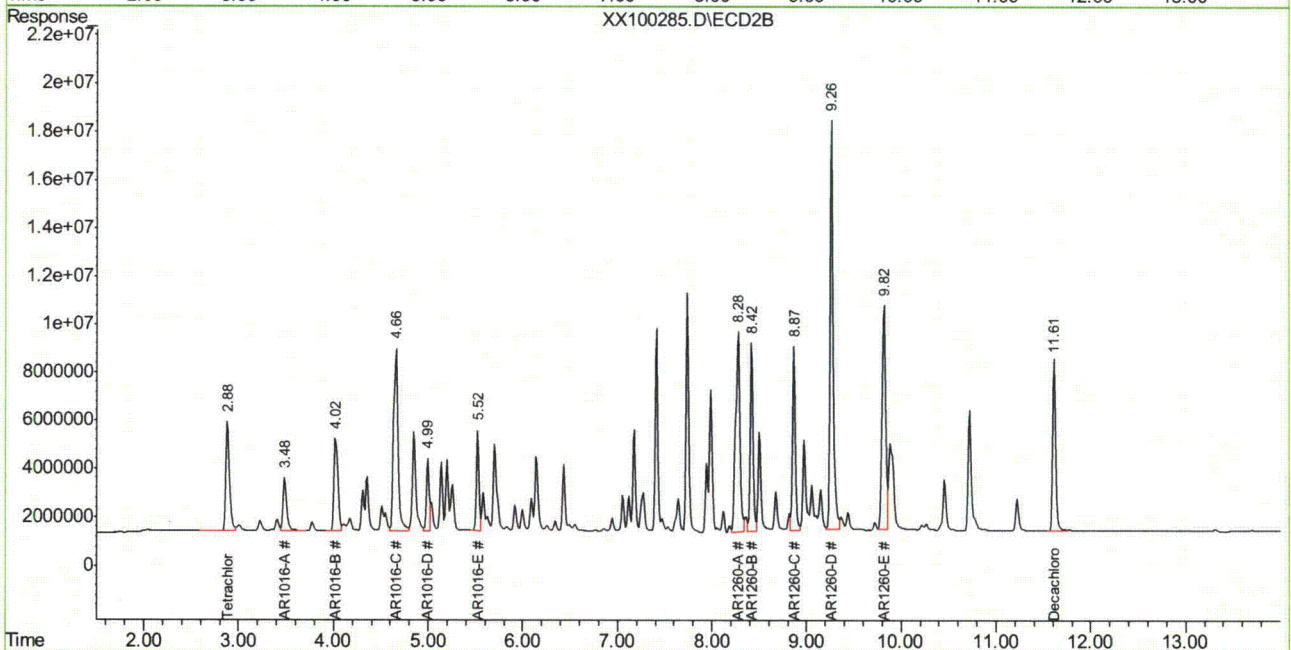
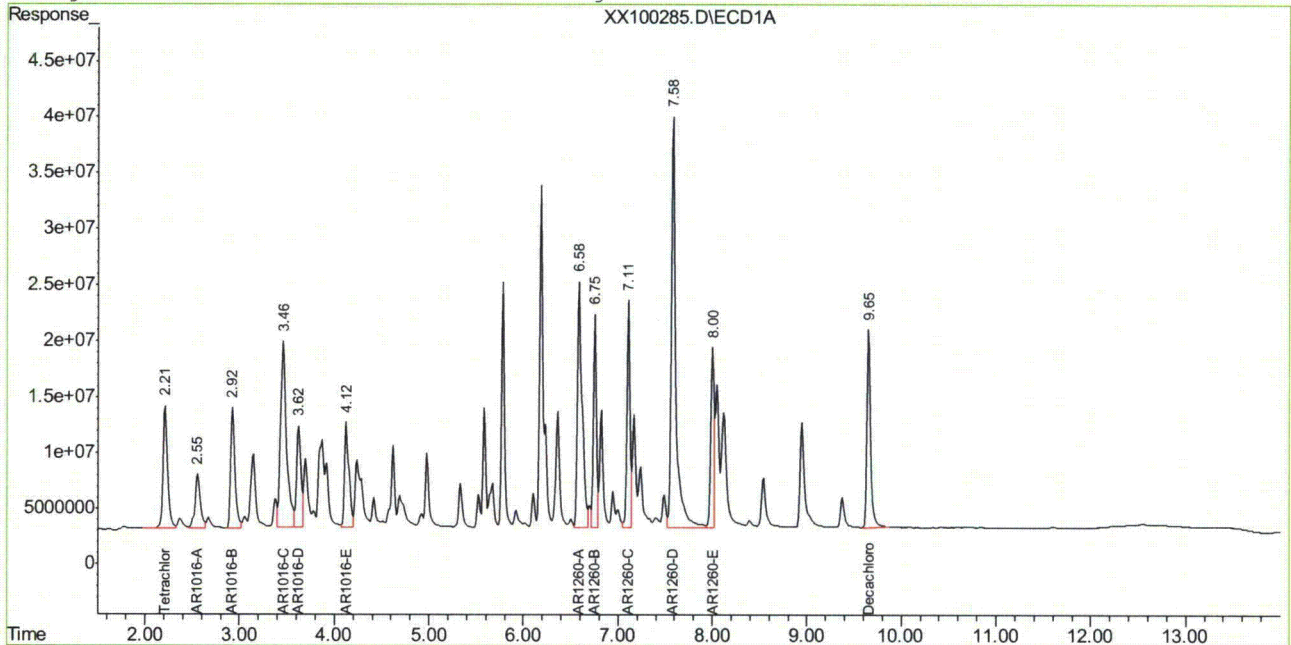
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100285.D PCB3901.M Tue Oct 26 11:23:54 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100285.D\ECD1A.CH Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100285.D\ECD2B.CH
 Acq On : 25 Oct 2010 7:27 pm Operator: annaz
 Sample : ic3901-500 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



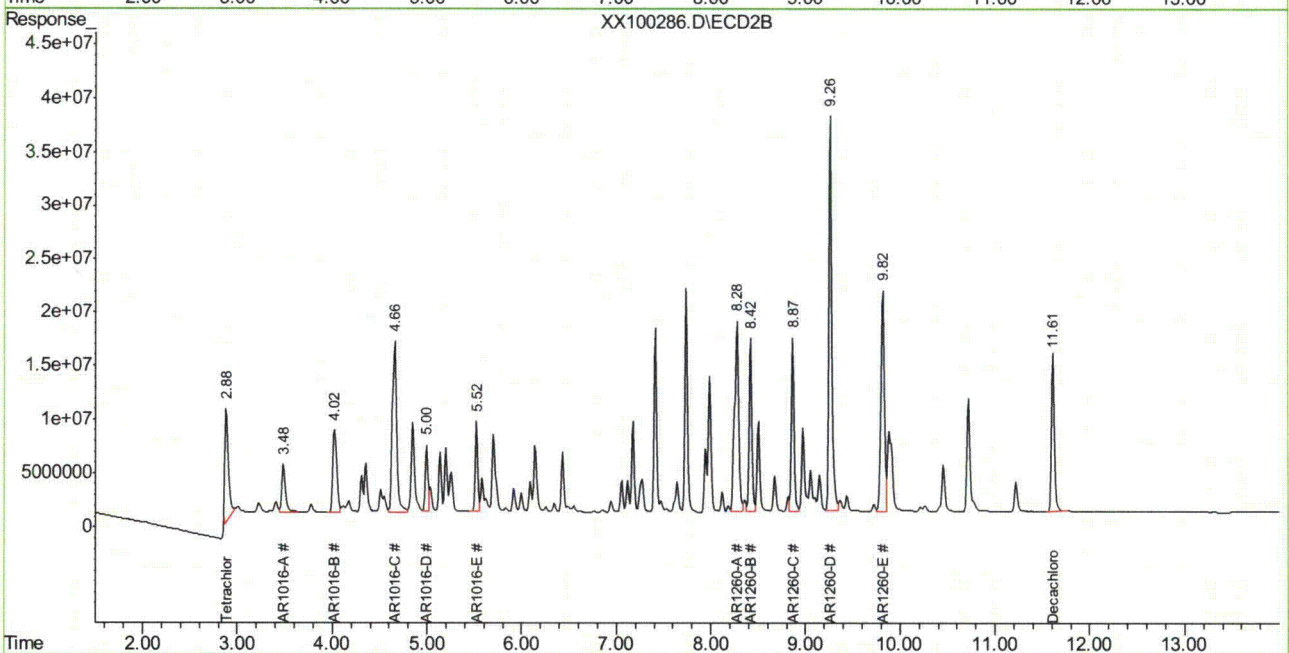
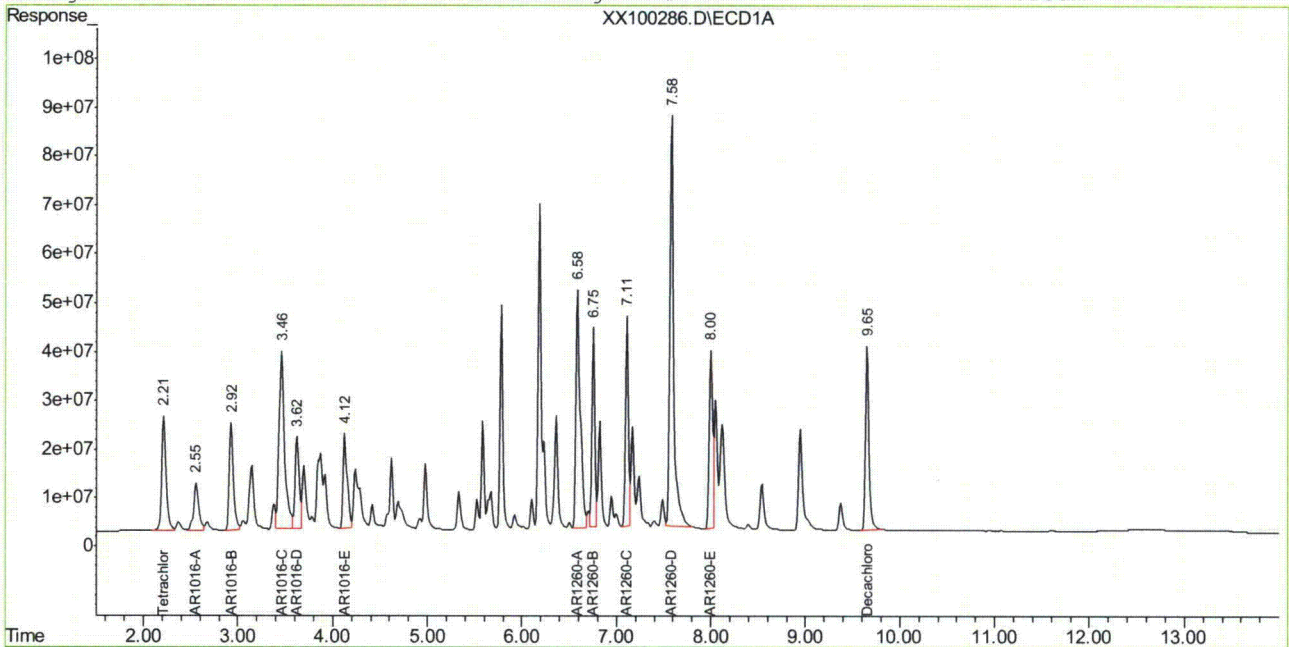
10.6.82 10

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD2B.CH
 Acq On : 25 Oct 2010 7:48 pm Operator: annaz
 Sample : icc3901-1000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:00 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



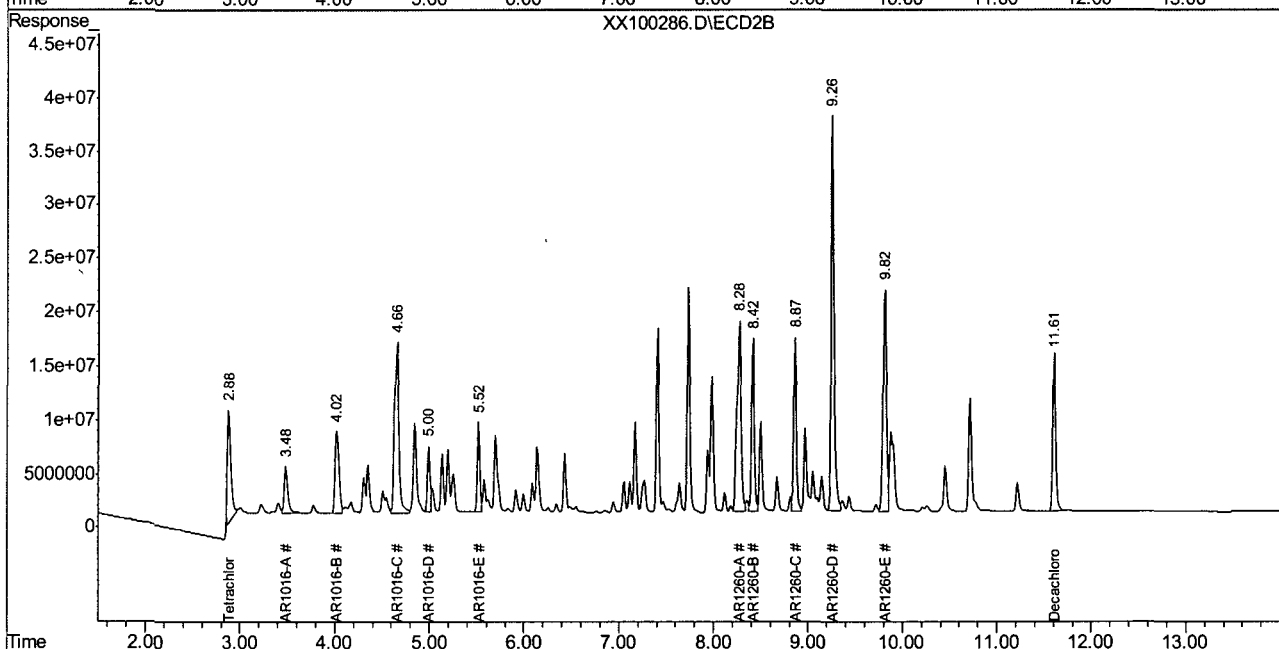
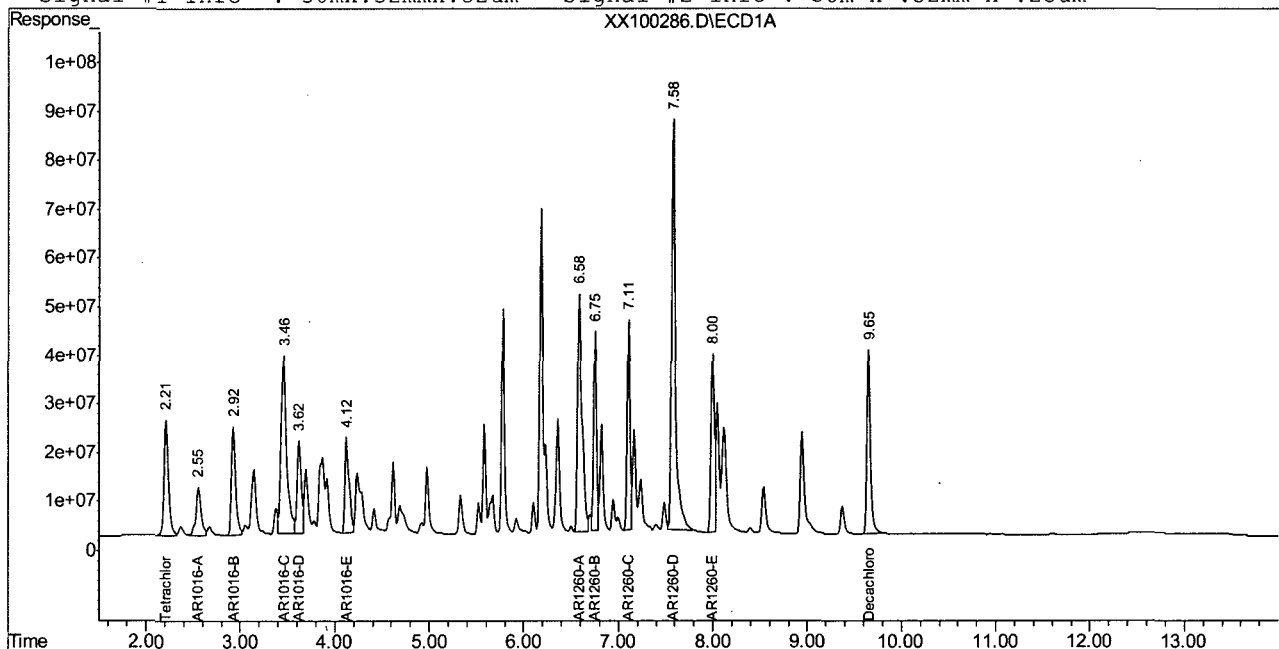
10.6.83 10

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD2B.CH
 Acq On : 25 Oct 2010 7:48 pm Operator: annaz
 Sample : icc3901-1000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:00 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.83 10

Manual Integration Approval Summary

Sample Number: GXX3901-ICC3901 **Method:** SW846 8082
Lab FileID: XX100286.D **Analyst approved:** 10/26/10 11:42 Anna Zuk
Injection Time: 10/25/10 19:48 **Supervisor approved:** 10/26/10 11:54 Owen McKenna

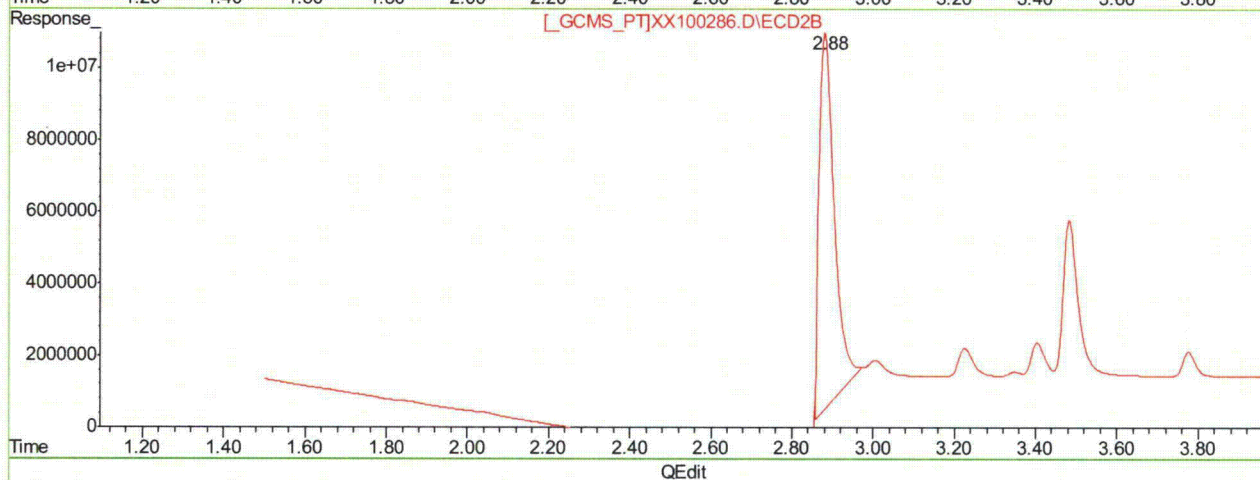
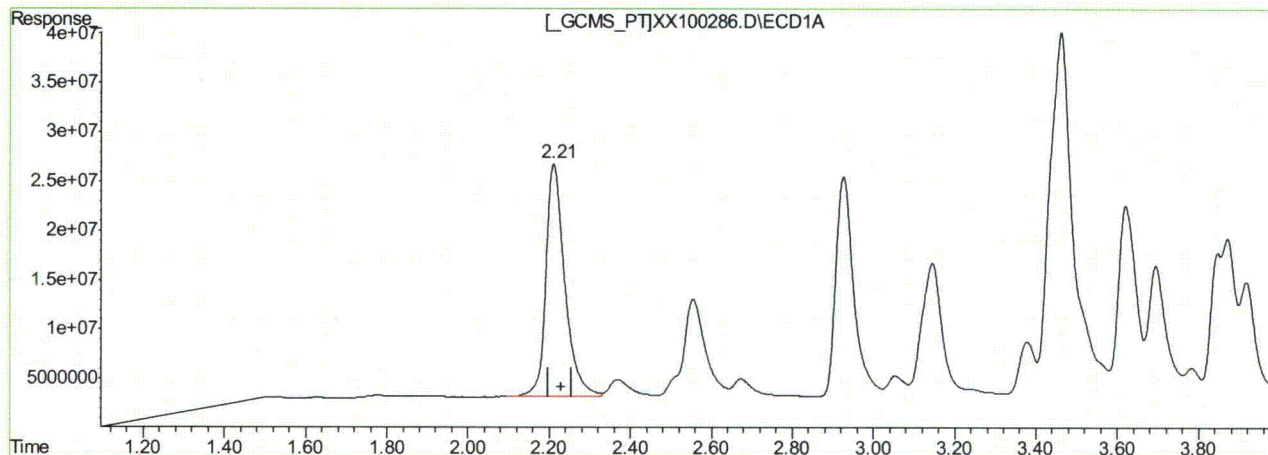
Parameter	CAS	Sig#	R. T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	2	2.88	Poorly defined baseline

10.6.83.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100286.D\ECD2B.CH
 Acq On : 25 Oct 2010 7:48 pm Operator: annaz
 Sample : icc3901-1000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:00 2010 Quant Results File: PCB3901.RES

Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration



(1) Tetrachloro-m-xylene (S)

2.21min 40.119ppb

response 768945967

(1) Tetrachloro-m-xylene #2 (S)

2.88min 40.447ppb m

response 269746226

(+) = Expected Retention Time

XX100286.D PCB3901.M Tue Oct 26 11:00:29 2010

GCXX

10.6.83.2 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100287.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100287.D\ECD2B.CH
Acq On : 25 Oct 2010 8:10 pm Operator: annaz
Sample : ic3901-2000 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 11:13 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 11:31:41 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Table with 7 columns: Compound, RT#1, RT#2, Resp#1, Resp#2, ppb, ppb. Rows include System Monitoring Compounds (Tetrachloro-m-xy, Decachlorobiphen) and Target Compounds (AR1016-A through AR1260-E).

10.6.84 10

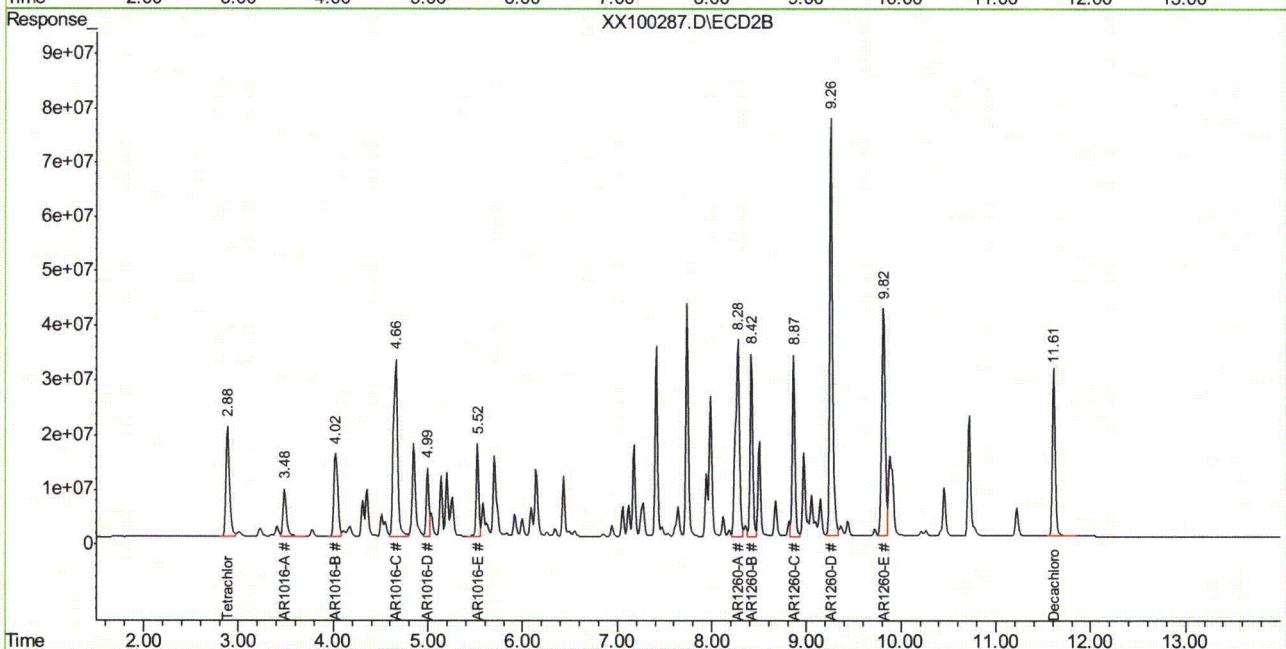
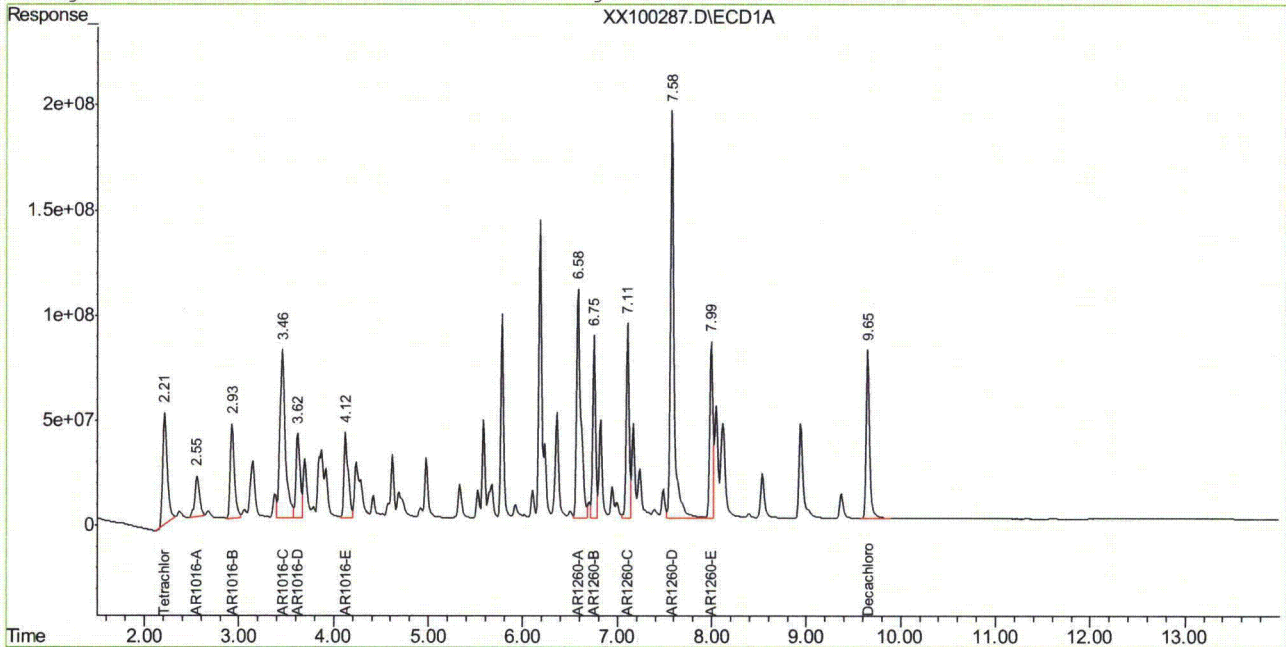
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100287.D PCB3901.M Tue Oct 26 11:24:31 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100287.D\ECD1A.CH Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100287.D\ECD2B.CH
 Acq On : 25 Oct 2010 8:10 pm Operator: annaz
 Sample : ic3901-2000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:13 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.684 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100288.D\ECD1A.CH Vial: 14
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100288.D\ECD2B.CH
 Acq On : 25 Oct 2010 8:32 pm Operator: annaz
 Sample : ic3901-3000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:14 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.89	2455.7E6	801.6E6	128.124	120.193
Spiked Amount	40.000		Recovery	=	320.31%	300.48%
51) S Decachlorobiphen	9.65	11.61	3064.7E6	965.5E6	132.490	112.482
Spiked Amount	40.000		Recovery	=	331.23%	281.21%
Target Compounds						
41) AR1016-A	2.56	3.49	1100.6E6	332.1E6	2941.808	2714.996
42) AR1016-B	2.93	4.02	2092.0E6	665.7E6	2937.744	2689.596
43) AR1016-C	3.46	4.66	4913.7E6	1543.5E6	3152.460	2828.495
44) AR1016-D	3.62	5.00	1817.1E6	364.5E6	3059.228	2644.264
45) AR1016-E	4.12	5.52	1907.3E6	465.2E6	2956.632	2784.717
46) AR1260-A	6.58	8.28	5152.0E6	1638.2E6	3286.890	2849.270
47) AR1260-B	6.75	8.42	2805.8E6	938.8E6	2926.278	2702.442
48) AR1260-C	7.11	8.87	3035.8E6	954.6E6	3123.611	2910.794
49) AR1260-D	7.58	9.26	8153.0E6	2381.8E6	3352.218	3029.270
50) AR1260-E	7.99	9.82	3179.1E6	1625.6E6	3398.649	3026.593

10.6.85 10

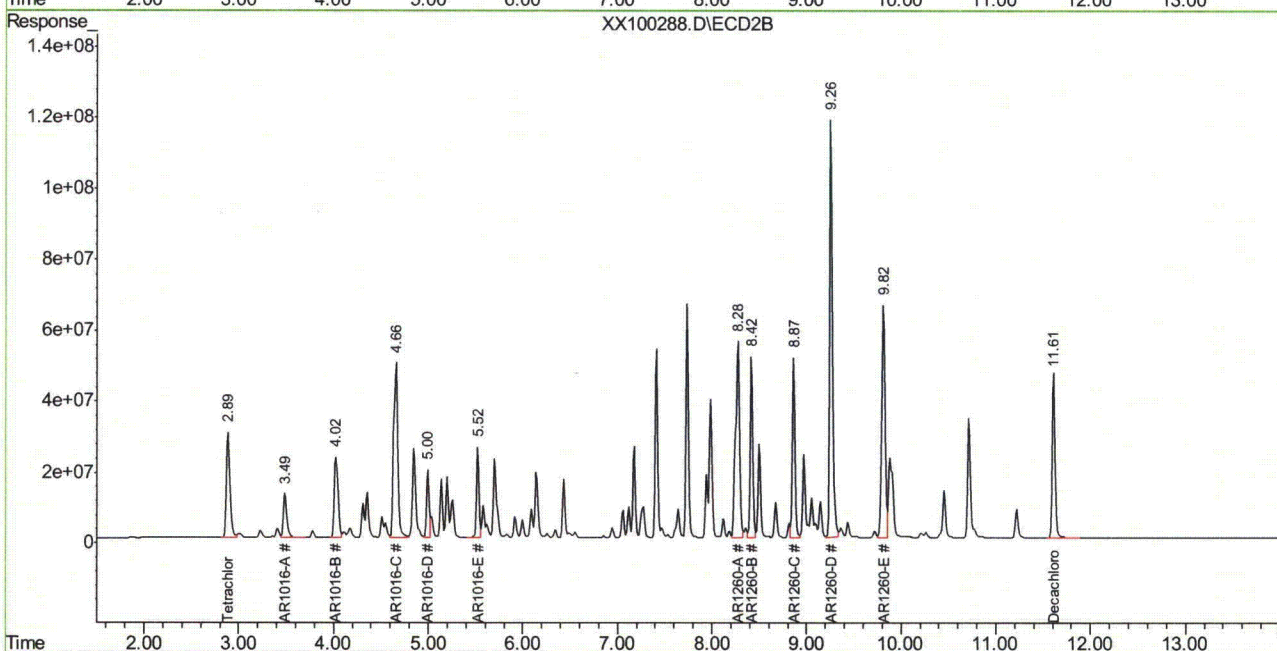
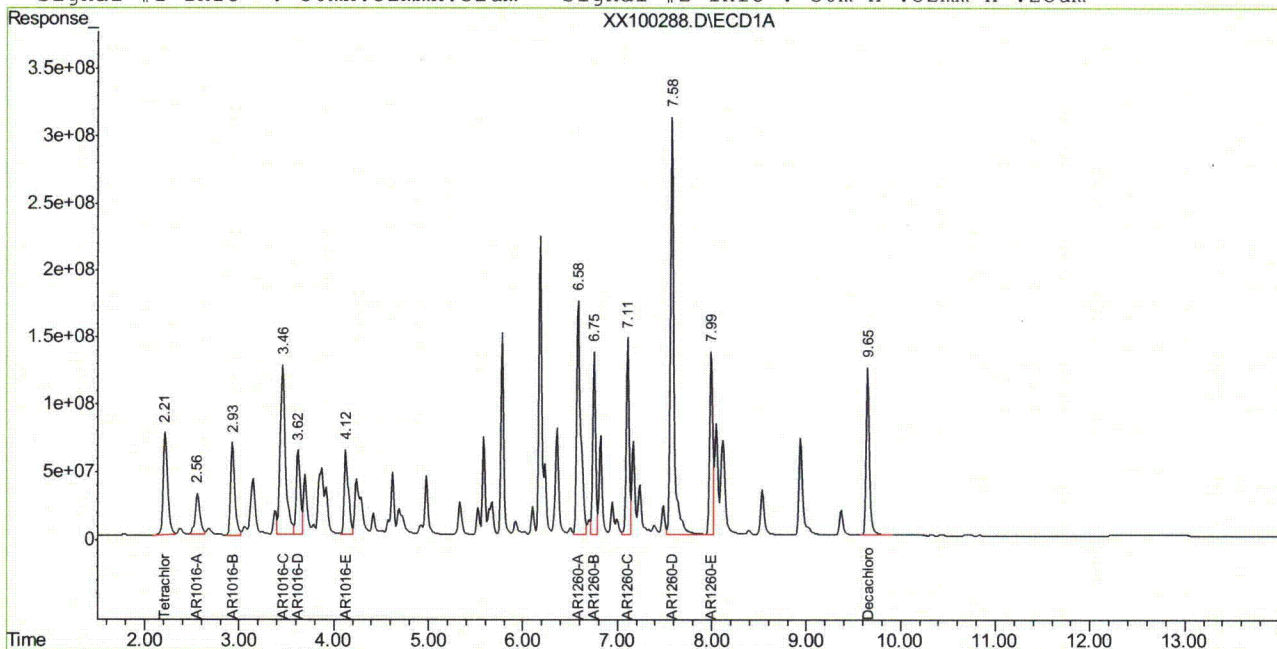
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100288.D PCB3901.M Tue Oct 26 11:25:01 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100288.D\ECD1A.CH Vial: 14
 Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100288.D\ECD2B.CH
 Acq On : 25 Oct 2010 8:32 pm Operator: annaz
 Sample : ic3901-3000 Inst : GCXX
 Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 26 11:14 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 11:31:41 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.85 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100289.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100289.D\ECD2B.CH
Acq On : 25 Oct 2010 8:53 pm Operator: annaz
Sample : icv3901-1000 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 11:27 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 11:24:49 2010
Response via : Initial Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

Target Compounds

41)	AR1016-A	2.55	3.48	370.5E6	117.6E6	972.048	991.167
42)	AR1016-B	2.93	4.02	692.2E6	226.8E6	975.179	964.051
43)	AR1016-C	3.46	4.66	1508.8E6	505.4E6	981.029	971.091
44)	AR1016-D	3.62	5.00	567.1E6	118.3E6	960.754	958.515
45)	AR1016-E	4.12	5.52	589.2E6	154.0E6	944.078	972.703
46)	AR1260-A	6.58	8.28	1483.2E6	501.9E6	949.827	864.369
47)	AR1260-B	6.75	8.42	865.5E6	305.9E6	981.093	923.098
48)	AR1260-C	7.11	8.87	917.6E6	310.0E6	952.030	961.731
49)	AR1260-D	7.58	9.26	2492.5E6	773.7E6	988.519	997.757
50)	AR1260-E	8.00	9.82	901.6E6	505.9E6	1019.848	967.145

10.6.86
10

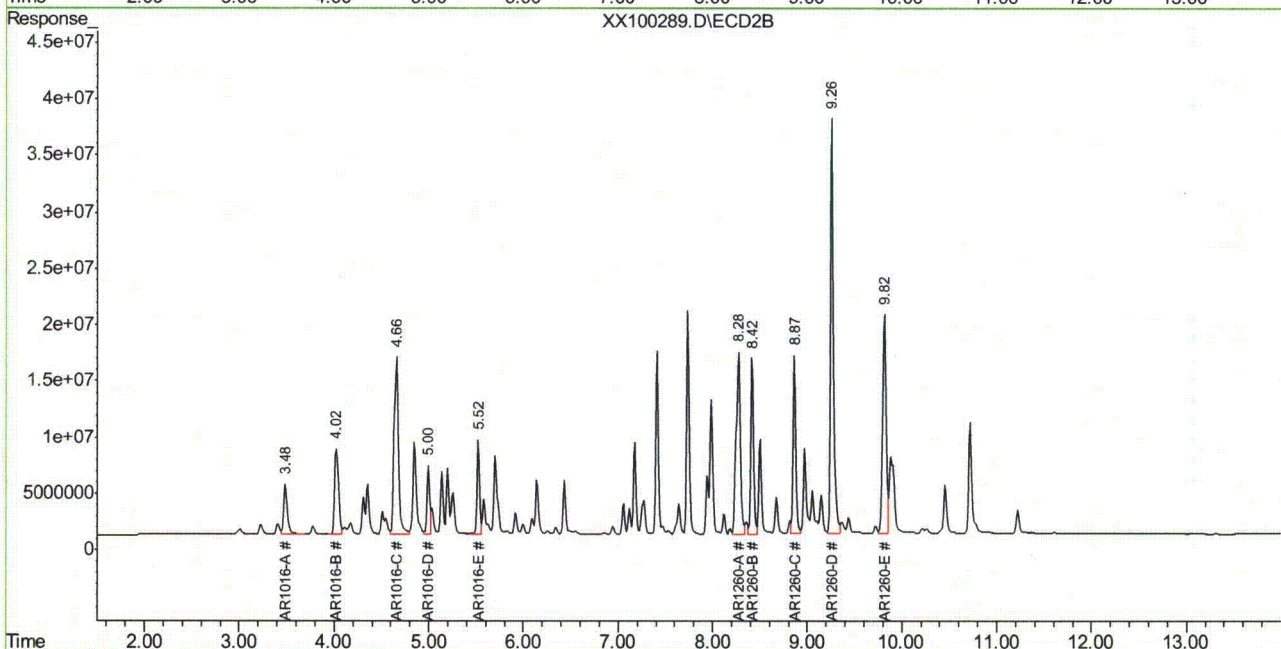
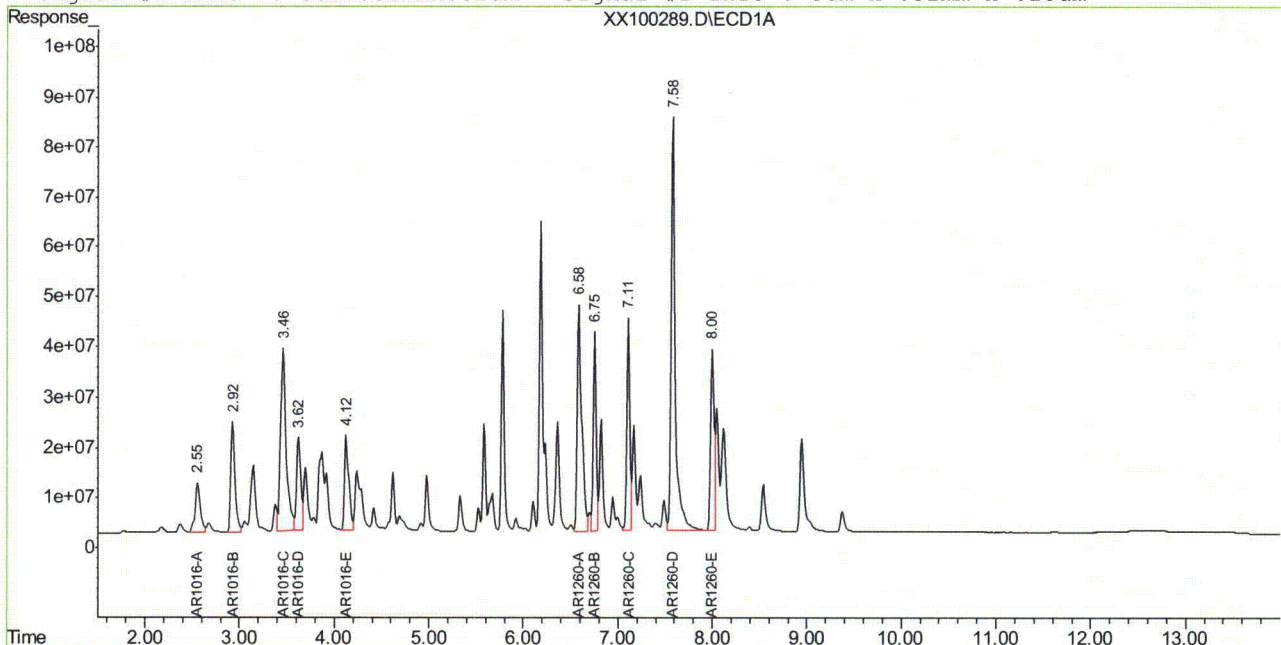
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100289.D PCB3901.M Tue Oct 26 11:28:08 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3901\XX100289.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GXX3901\XX100289.D\ECD2B.CH
Acq On : 25 Oct 2010 8:53 pm Operator: annaz
Sample : icv3901-1000 Inst : GCXX
Misc : OP46308,GXX3901,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 26 11:27 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 26 11:24:49 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.86 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100602.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100602.D\ECD2B.CH
 Acq On : 3 Nov 2010 9:17 am Operator: annaz
 Sample : cc3901-500 Inst : GCXX
 Misc : OP46456,GXX3909,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 3 9:39 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Tue Nov 02 16:58:43 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.87	339.5E6	114.5E6	17.264	17.666
Spiked Amount	40.000		Recovery	=	43.16%	44.16%
51) S Decachlorobiphen	9.64	11.60	445.0E6	154.5E6	17.637	18.696
Spiked Amount	40.000		Recovery	=	44.09%	46.74%
Target Compounds						
41) AR1016-A	2.55	3.47	178.9E6	51804426	469.288	436.595
42) AR1016-B	2.92	4.01	316.3E6	109.0E6	445.618	463.128
43) AR1016-C	3.46	4.65	688.0E6	237.1E6	447.376	455.473
44) AR1016-D	3.62	4.98	268.8E6	55351165	455.432	448.379
45) AR1016-E	4.12	5.51	293.0E6	73627655	469.449	464.952
46) AR1260-A	6.58	8.27	751.1E6	263.0E6	480.999	452.871
47) AR1260-B	6.75	8.41	424.0E6	156.0E6	480.566	470.684
48) AR1260-C	7.10	8.85	449.0E6	151.8E6	465.877	470.966
49) AR1260-D	7.57	9.25	1133.7E6	376.5E6	449.609	485.479
50) AR1260-E	7.99	9.81	444.0E6	254.3E6	502.236	486.136

10.6.87
10

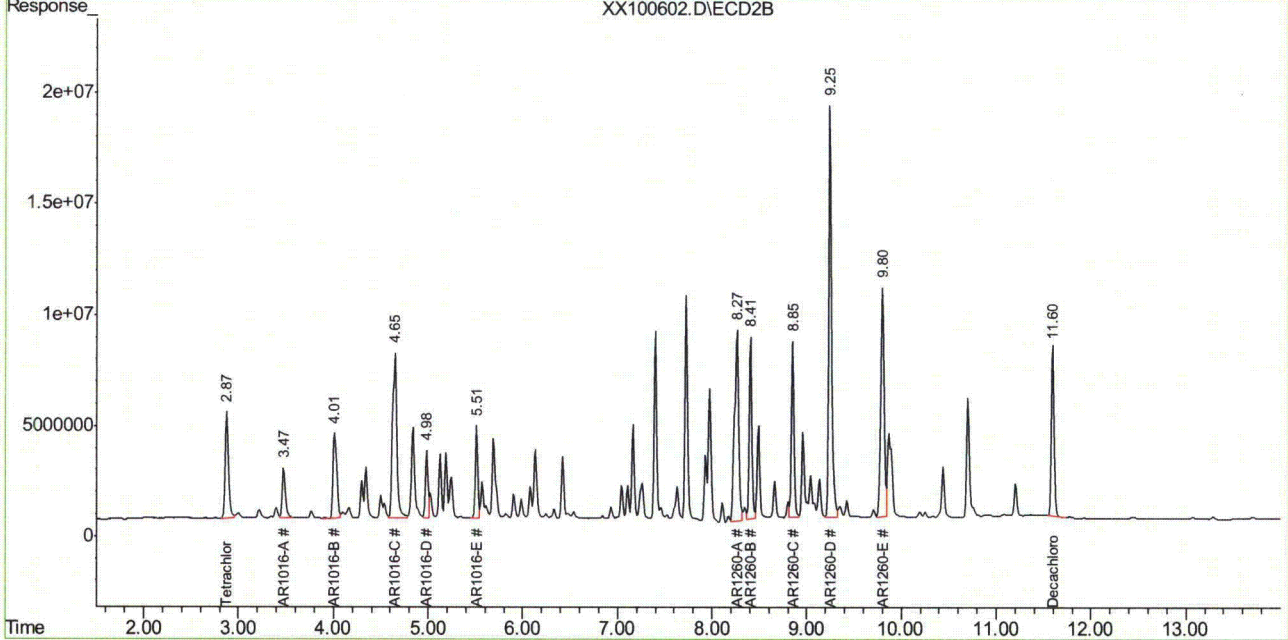
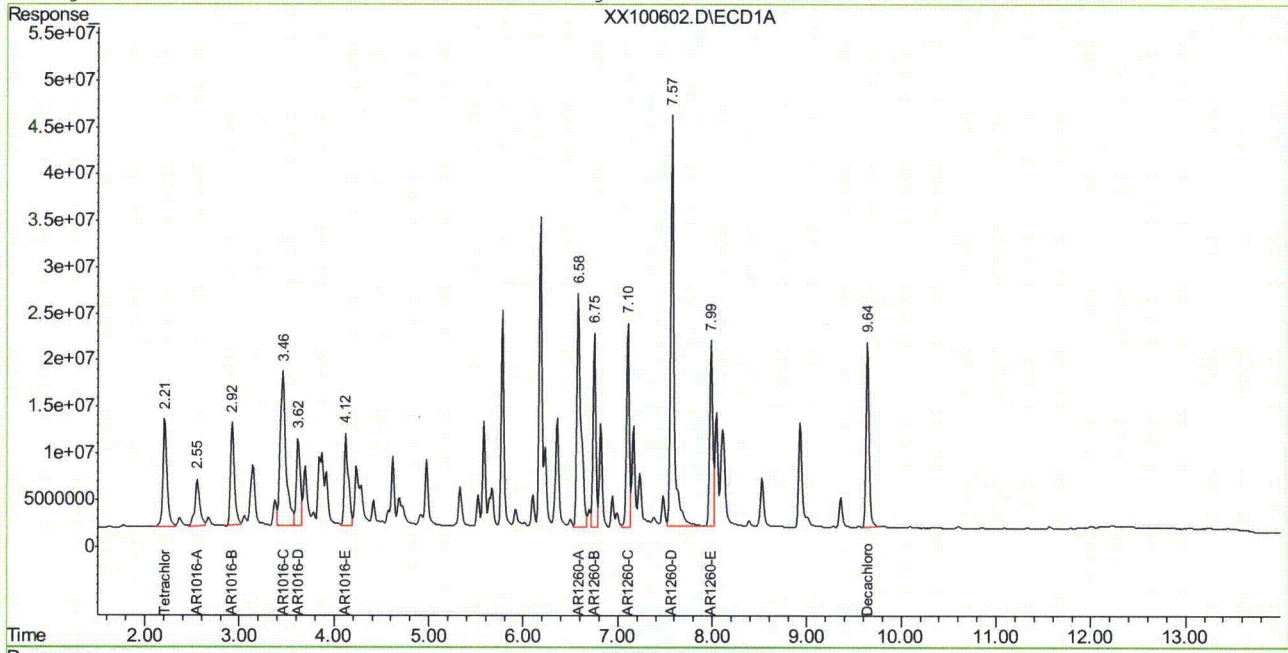
 (f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100602.D PCB3901.M Wed Nov 03 14:42:41 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100602.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100602.D\ECD2B.CH
 Acq On : 3 Nov 2010 9:17 am Operator: annaz
 Sample : cc3901-500 Inst : GCXX
 Misc : OP46456,GXX3909,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 3 9:39 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Tue Nov 02 16:58:43 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.87 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100613.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100613.D\ECD2B.CH
 Acq On : 3 Nov 2010 2:28 pm Operator: annaz
 Sample : cc3901-1000 Inst : GCXX
 Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 3 14:40 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Tue Nov 02 16:58:43 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.20	2.87	741.2E6	258.4E6	37.695	39.870
Spiked Amount	40.000		Recovery	=	94.24%	99.67%
51) S Decachlorobiphen	9.63	11.60	995.5E6	335.0E6	39.456	40.546
Spiked Amount	40.000		Recovery	=	98.64%	101.36%
Target Compounds						
41) AR1016-A	2.55	3.47	365.4E6	118.5E6	958.672	998.658
42) AR1016-B	2.92	4.01	672.4E6	232.7E6	947.401	988.816
43) AR1016-C	3.45	4.65	1476.0E6	523.1E6	959.753	1004.994
44) AR1016-D	3.61	4.98	569.9E6	123.2E6	965.490	997.820
45) AR1016-E	4.11	5.51	610.8E6	157.9E6	978.844	997.285
46) AR1260-A	6.57	8.26	1607.0E6	569.3E6	1029.099	980.378
47) AR1260-B	6.74	8.41	884.1E6	335.5E6	1002.101	1012.316
48) AR1260-C	7.09	8.85	957.2E6	334.5E6	993.134	1037.566
49) AR1260-D	7.56	9.25	2524.8E6	838.5E6	1001.323	1081.340
50) AR1260-E	7.98	9.80	995.1E6	565.1E6	1125.645	1080.235

10.6.88 10

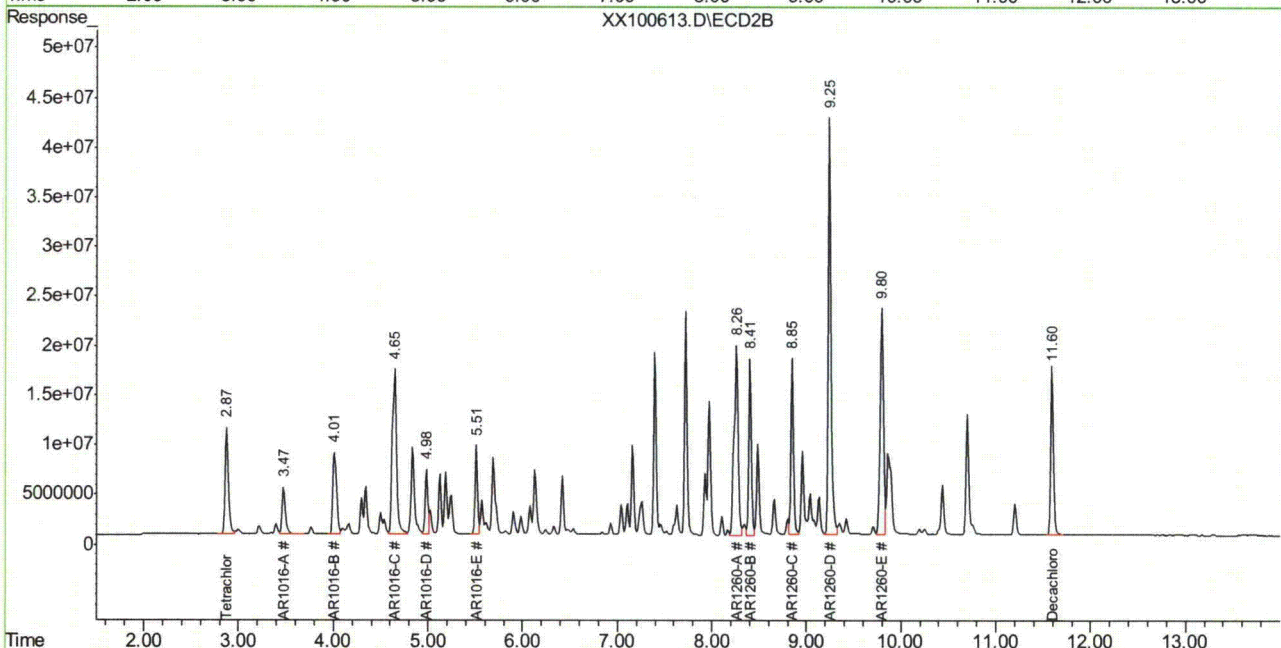
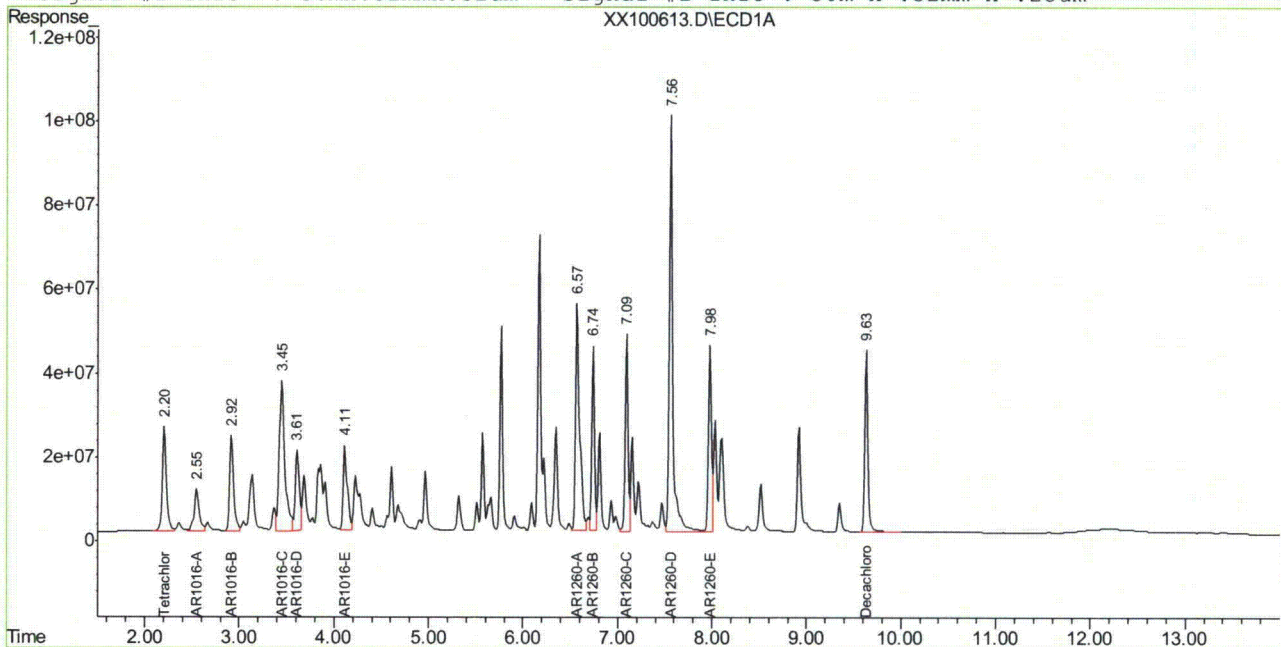
 (f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
 XX100613.D PCB3901.M Wed Nov 03 15:15:18 2010 GCXX

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100613.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100613.D\ECD2B.CH
 Acq On : 3 Nov 2010 2:28 pm Operator: annaz
 Sample : cc3901-1000 Inst : GCXX
 Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 3 14:40 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)
 Title :
 Last Update : Tue Nov 02 16:58:43 2010
 Response via : Multiple Level Calibration
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.6.88
10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G162127

Date: 11/1/10

Analyst Signature: [Signature]

Standard Data

Standard Data

Lot #	Description	Conc.
W-441-93	Tetraphene	50ppb
-40	Chlordane	↓
-16	tox 2nd	↓
-17	chl 2nd	↓
-43	PEM	100ppb
-37	PEBKE	20ppb
W-441-134	pest mix 2nd	25ppb

Lot #	Description	Conc.
W-441-214	pest mix	100 ppb
-216-74		10
-458		15
-459		10
-441-86		5
-416		2
-716		1

Columns: RTXCLPECATKURP5

Method: SOE1

Initial Cal. Method: 1855201PSC2127
11/1/10

Injection Volume: 1ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 11/2/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	16 SY 356	CAZPT-00T				1			/	OK	
	357	FO				2			/	OK	
	358	IC 2127-1	pest mix			3			/	OK	
	359	-2				4			/	OK	
	360	-5				5			/	OK	
	361	-10				6			/	OK	
	362	-25				7			/	OK	
	363	-50				8			/	OK	
	364	-100				9			/	OK	
	365	IC 2127-300	Tetraphene			10				not visible	vial empty
	366	-500	Chlordane			11				↓	↓
	367	ICV 2127-25	2-cls.c			12				OK	
	368	IC 2127-500	tox 2nd			13			/	OK	
	369	-500	chl 2nd			14			/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

181

Form: OR016-05

Rev. Date: 10/20/09

10.7.1 10

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC1G
 Method: SW846 8081A

Std#	Lab FileID	Date/Time	Sample Number	Analyst
Std#1	1G58362.D	11/01/10 19:01	G1G2127-ICC2127	OWENM
Std#2	1G58400.D	11/02/10 04:50	G1G2128-ECC2127	OWENM
Std#3	1G58413.D	11/02/10 14:26	G1G2129-CC2127	OWENM

Compound	Sig#	Type	RT#1	RT#2	RT#3	Mean	Actual StdDev	Window (+/- 3*StdDev)
Tetrachloro-m-xylene	1	SURR	1.96	1.96	1.96	1.96	0.000	+/- 0.030 ^a
Decachlorobiphenyl	1	SURR	8.63	8.63	8.61	8.62	0.012	+/- 0.035
Tetrachloro-m-xylene	2	SURR	2.28	2.28	2.28	2.28	0.000	+/- 0.030 ^a
Decachlorobiphenyl	2	SURR	10.25	10.25	10.24	10.25	0.006	+/- 0.030 ^a
Hexachlorobenzene	1	REG	2.21	2.21	2.20	2.21	0.006	+/- 0.030 ^a
alpha-BHC	1	REG	2.31	2.31	2.31	2.31	0.000	+/- 0.030 ^a
gamma-BHC (Lindane)	1	REG	2.54	2.54	2.54	2.54	0.000	+/- 0.030 ^a
beta-BHC	1	REG	2.60	2.60	2.60	2.60	0.000	+/- 0.030 ^a
delta-BHC	1	REG	2.75	2.75	2.75	2.75	0.000	+/- 0.030 ^a
Heptachlor	1	REG	2.94	2.94	2.93	2.94	0.006	+/- 0.030 ^a
Aldrin	1	REG	3.22	3.22	3.21	3.22	0.006	+/- 0.030 ^a
Heptachlor epoxide	1	REG	3.84	3.84	3.83	3.84	0.006	+/- 0.030 ^a
gamma-Chlordane	1	REG	3.98	3.98	3.97	3.98	0.006	+/- 0.030 ^a
alpha-Chlordane	1	REG	4.14	4.13	4.13	4.13	0.006	+/- 0.030 ^a
4,4'-DDE	1	REG	4.23	4.23	4.22	4.23	0.006	+/- 0.030 ^a
Endosulfan-I	1	REG	4.30	4.30	4.29	4.30	0.006	+/- 0.030 ^a
Dieldrin	1	REG	4.59	4.59	4.58	4.59	0.006	+/- 0.030 ^a
Endrin	1	REG	4.89	4.89	4.88	4.89	0.006	+/- 0.030 ^a
4,4'-DDD	1	REG	5.00	5.00	4.99	5.00	0.006	+/- 0.030 ^a
Endosulfan-II	1	REG	5.19	5.19	5.18	5.19	0.006	+/- 0.030 ^a
4,4'-DDT	1	REG	5.39	5.39	5.38	5.39	0.006	+/- 0.030 ^a
Endrin aldehyde	1	REG	5.79	5.79	5.78	5.79	0.006	+/- 0.030 ^a
Methoxychlor	1	REG	6.15	6.15	6.14	6.15	0.006	+/- 0.030 ^a
Mirex	1	REG	6.26	6.26	6.25	6.26	0.006	+/- 0.030 ^a
Endosulfan sulfate	1	REG	6.44	6.44	6.43	6.44	0.006	+/- 0.030 ^a
Endrin ketone	1	REG	6.87	6.87	6.86	6.87	0.006	+/- 0.030 ^a
Hexachlorobenzene	2	REG	2.66	2.65	2.65	2.65	0.006	+/- 0.030 ^a
alpha-BHC	2	REG	2.76	2.76	2.75	2.76	0.006	+/- 0.030 ^a
gamma-BHC (Lindane)	2	REG	3.09	3.08	3.08	3.08	0.006	+/- 0.030 ^a
beta-BHC	2	REG	3.15	3.15	3.14	3.15	0.006	+/- 0.030 ^a
delta-BHC	2	REG	3.47	3.46	3.46	3.46	0.006	+/- 0.030 ^a
Heptachlor	2	REG	3.57	3.56	3.56	3.56	0.006	+/- 0.030 ^a
Aldrin	2	REG	3.94	3.94	3.93	3.94	0.006	+/- 0.030 ^a
Heptachlor epoxide	2	REG	4.65	4.64	4.64	4.64	0.006	+/- 0.030 ^a
gamma-Chlordane	2	REG	4.90	4.90	4.89	4.90	0.006	+/- 0.030 ^a
alpha-Chlordane	2	REG	5.10	5.10	5.09	5.10	0.006	+/- 0.030 ^a
Endosulfan-I	2	REG	5.18	5.18	5.17	5.18	0.006	+/- 0.030 ^a
4,4'-DDE	2	REG	5.35	5.34	5.34	5.34	0.006	+/- 0.030 ^a
Dieldrin	2	REG	5.58	5.57	5.56	5.57	0.010	+/- 0.030
Endrin	2	REG	6.02	6.02	6.01	6.02	0.006	+/- 0.030 ^a
4,4'-DDD	2	REG	6.22	6.22	6.21	6.22	0.006	+/- 0.030 ^a

10.7.1 10

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC1G
 Method: SW846 8081A

Std#	Lab FileID	Date/Time	Sample Number	Analyst
Std#1	1G58362.D	11/01/10 19:01	G1G2127-ICC2127	OWENM
Std#2	1G58400.D	11/02/10 04:50	G1G2128-ECC2127	OWENM
Std#3	1G58413.D	11/02/10 14:26	G1G2129-CC2127	OWENM

Compound	Sig#	Type	RT#1	RT#2	RT#3	Mean	Actual StdDev	Window (+/- 3*StdDev)
Endosulfan-II	2	REG	6.35	6.35	6.34	6.35	0.006	+/- 0.030 ^a
4,4'-DDT	2	REG	6.72	6.72	6.71	6.72	0.006	+/- 0.030 ^a
Endrin aldehyde	2	REG	6.88	6.88	6.87	6.88	0.006	+/- 0.030 ^a
Endosulfan sulfate	2	REG	7.34	7.34	7.33	7.34	0.006	+/- 0.030 ^a
Methoxychlor	2	REG	7.88	7.88	7.87	7.88	0.006	+/- 0.030 ^a
Mirex	2	REG	8.16	8.16	8.15	8.16	0.006	+/- 0.030 ^a
Endrin ketone	2	REG	8.22	8.22	8.21	8.22	0.006	+/- 0.030 ^a

(a) Default minimum StdDev of .01 minutes employed.

10.7.1 10



SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G1G2128

Date: 11/1/10

Analyst Signature: [Signature]

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
SW 10-296-45A	Pest mix	10µg
-45B	↓	25µg
-47	ISA 16	20µg

Columns: RTX600/RTX600

Method: 8091

Initial Cal. Method: 12312127

Injection Volume: 1µl

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 11/2/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X	Dilution	IS	SU	Status (Data)	Comments
	1658 370	CC2127-10			15			/	OK	
	371	FB			16			/	OK	
	372	0046429-M3	46429-1	8081	17			/	OK	
	373	-MSR			18			/	OK	
	374	0046352-M01	46352-1	8081	19			/	OK	
	375	-051			20			/	OK	
	376	-MS			21			/	OK	
	377	-MSD			22			/	OK	
	378	JA58750-1			23			/	OK	
	379	-2			24			/	OK	
	380	-3			25			/	OK	
	381	CC2127-25			26			/	OK	
	382	FB			27			/	OK	
	383	JA58750-4			28			/	OK	
	384	-5			29			/	OK	
	385	-6			30			/	OK	
	386	-8			31			/	OK	
	387	-9			32			/	OK	
	388	-10			33			/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

183

Form: OR016-05

10.7.2 10

Batch ID: G1G2128

 Date: ²⁰10/14/10

 Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
W 16546-48A	Pest mix	6012
-48	↓	25112
-37	PFBK	2012

 Columns: EXTKUP/RTKUP
 Method: SOP1
 Initial Cal. Method: 1052127
 Injection Volume: 1.5
 Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

 Supervisor Signature: [Signature]

 Date: 10/21/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	1654889	JA58750-11	46352-1	8081	2	34			/	OK	
	390	-12				35			/	OK	
	391	-13				36			/	OK	
	392	CC2127-10				37			/	OK	
	393	FB				38			/	OK	
	394	JA58750-14	46352-1	8081	3	39			/	OK	
	395	-15				40			/	OK	
	396	-16				41			/	OK	
	397	-17				42			/	OK	
	398	-18				43			/	OK	
	399	-7				44			/	OK	
	400	FCC2127-25				45			/	OK	End Method 10/21/10
	401	FB				48			/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.
 Sample volume/weight refer to extraction log.
 All strikeouts must be initialed, dated and reason code applied as follows:
 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

185

 Form: OR016-05
 Rev. Date: 10/20/04

107.2 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1826

Date: 9/24/10

Analyst Signature: J. Raff

Standard Data

Lot #	Description	Conc.
S110-S16-15	Ar1221	1000ppb
	AC	2000
	20B	1000
	32A	500
	193	250
	19A	50
S110-49-121	ICV	1000

Standard Data

Lot #	Description	Conc.
S110-S16-15	Ar1221	1000ppb
S110-49-121	1232	
	122	1242
	123	1248
	124	1254
	125	1262
	126	1268

Columns: RTXCP1/RTXCP1

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0uL

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 9/28/10

R	Data File	Sample ID	Ext. Batch	Test	MALS TX #	Dilution	IS	SU	Status (Data)	Comments
36	49418	1B01			W 21	1		/	OK	S110-S16-20
	49419	1C1826-1000	Ar1221		22	1		/	OK	
	49420		1232		23	1		/	OK	
	49421		1242		24	1		/	OK	
	49422		1248		25	1		/	OK	
	49423		1254		26	1		/	OK	
	49424		1262		27	1		/	OK	
	49425		1268		28	1		/	OK	
	49426	1C1826-50	1016/1260		29	1		/	OK	
	49427	250			30	1		/	OK	
	49428	500			31	1		/	OK	
	49429	1C1826-1000			32	1		/	OK	
	49430	1C1826-2000			33	1		/	OK	
	49431	3000			34	1		/	OK	
	49432	1C1826-1000			35	1		/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate...

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

Rev. Date: 10/20/04

45

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC3G
Method: SW846 8082

Std#	Lab FileID	Date/Time	Sample Number	Analyst
Std#1	3G49429.D	09/24/10 20:24	G3G1826-ICC1826	TOYAR
Std#2	3G49446.D	09/27/10 12:00	G3G1828-CC1826	OWENM
Std#3	3G49468.D	09/27/10 20:09	G3G1828-CC1826	OWENM

Compound	Sig#	Type	RT#1	RT#2	RT#3	Mean	Actual StdDev	Window (+/- 3*StdDev)
Tetrachloro-m-xylene	1	SURR	2.32	2.32	2.32	2.32	0.000	+/- 0.030 ^a
Decachlorobiphenyl	1	SURR	9.05	9.05	9.05	9.05	0.000	+/- 0.030 ^a
Tetrachloro-m-xylene	2	SURR	2.18	2.18	2.19	2.18	0.006	+/- 0.030 ^a
Decachlorobiphenyl	2	SURR	9.29	9.28	9.28	9.28	0.006	+/- 0.030 ^a
AR1016-A	1	REG	2.68	2.68	2.68	2.68	0.000	+/- 0.030 ^a
AR1016-B	1	REG	3.05	3.05	3.05	3.05	0.000	+/- 0.030 ^a
AR1016-C	1	REG	3.58	3.58	3.58	3.58	0.000	+/- 0.030 ^a
AR1016-D	1	REG	3.73	3.73	3.74	3.73	0.006	+/- 0.030 ^a
AR1016-E	1	REG	4.20	4.20	4.21	4.20	0.006	+/- 0.030 ^a
AR1260-A	1	REG	6.06	6.06	6.06	6.06	0.000	+/- 0.030 ^a
AR1260-B	1	REG	6.41	6.41	6.41	6.41	0.000	+/- 0.030 ^a
AR1260-C	1	REG	6.87	6.87	6.87	6.87	0.000	+/- 0.030 ^a
AR1260-D	1	REG	7.27	7.27	7.27	7.27	0.000	+/- 0.030 ^a
AR1260-E	1	REG	7.63	7.63	7.64	7.63	0.006	+/- 0.030 ^a
AR1016-A	2	REG	2.64	2.63	2.64	2.64	0.006	+/- 0.030 ^a
AR1016-B	2	REG	3.05	3.05	3.05	3.05	0.000	+/- 0.030 ^a
AR1016-C	2	REG	3.56	3.55	3.56	3.56	0.006	+/- 0.030 ^a
AR1016-D	2	REG	3.70	3.70	3.71	3.70	0.006	+/- 0.030 ^a
AR1016-E	2	REG	4.24	4.24	4.24	4.24	0.000	+/- 0.030 ^a
AR1260-A	2	REG	6.07	6.06	6.06	6.06	0.006	+/- 0.030 ^a
AR1260-B	2	REG	6.50	6.50	6.50	6.50	0.000	+/- 0.030 ^a
AR1260-C	2	REG	6.99	6.99	6.99	6.99	0.000	+/- 0.030 ^a
AR1260-D	2	REG	7.33	7.33	7.33	7.33	0.000	+/- 0.030 ^a
AR1260-E	2	REG	7.79	7.78	7.78	7.78	0.006	+/- 0.030 ^a

(a) Default minimum StdDev of .01 minutes employed.

10.7.3 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: 6361851

Date: 10/26/10

Analyst Signature: Staff

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
S1085W-44A	A/10/16/1260	500ppb
413	1	1500
37	B	20 L
J3ZE20		
J3ZE20	Hexane (Baker)	

Columns: ATKCP1/ATKCP11

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: En m... 10

Date: 10/27/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	3650277	CC1826-500			W	1	1			✓ OK	
R	50278	op46323-mb1	46323-1	8082	S	2	1			✓ OK	
R	50279	651				3	1			✓ OK	
R	50280	JA59485-34	44321-1			4	50			- OK	
R	50281	37				5	50			- OK	
R	50282	40				6	20			- OK	
R	50283	42				7	50			- not run	rep. typed incorrectly
R	50284	45				8	50			- OK	
R	50285	48				9	50			- OK	
R	50286	51				10	50			- OK	
R	50287	53				11	20			- OK	
	50288	CC1826-1000			W	12	1			✓ OK	
	50289	1501				13	1			✓ OK	
R	50290	JA59390-1	46314-1		S	14	1			✓ OK	
R	50291	op46323-mS	46323-1			15	1			✓ OK	
R	50292	MSD				16	1			✓ OK	
R	50293	JA59417-33				17	1			✓ OK	
R	50294	34				18	1			✓ OK	
R	50295	35				19	1			✓ OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

153

Form: OR016-05

Rev. Date: 10/20/04

10.7.4 10

Batch ID: 6361851

Date: 10/26/10

Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
910-846-44A	AV1010/1260	300 mg
44B		1000
37	IB	20
33820	Hexane (Baker)	

Columns: RTXCUP1/RTXCUP1

Method: 8082

Initial Cal. Method: PCB1826

Injection Volume: 1.0 μL

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 11/2/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X #	Dilution	IS	SU	Status (Data)	Comments
R	R0650296	JA59485-51	46321-1	8082	S 20	1			✓ OK	
R	SD297	53			21	1			✓ OK	
R	SD298	JA59485-1 ⁴²	46321-1		22	50			- OK	
	SD299	CC1826-500			W 23	1			✓ OK	
	SD300	1B02			24	1			✓ OK	
	SD301	OP46343-mb2	46313-2		25	1			✓ OK	
	SD302	bs2			26	1			✓ OK	
	SD303	JA59574-61FB			27	1			✓ OK	
	SD304	JA59281-1	46314-1		S 28	1			✓ OK	
R	SD305	JA59165-1	46324-1		29	20			- OK	
	SD306	JA59199-22	46314-1		30	1			✓ OK	
	SD307	JA59430-MFB	46343-1		W 31	1			✓ OK	
	SD308	JA59441-12FB	46308-1	8082	S 32	1			✓ OK	
	SD309	JA59441-5	46353-1		S 33	1			✓ OK	
	SD310	CC1876-10DD			W 34	1			✓ OK	Ar1260-D list
	SD311	1B03			35	1			✓ OK	
	SD312	OP46353-mb1			36	1			✓ OK	
	SD313	bs1			37	1			✓ OK	
	SD314	ms			38	1			✓ OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

155

10.7.4 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: 6381851

Date: 10/26/10

Analyst Signature: J. Hoff

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5110-511-44A	Arizolal/200	500ppb
48	1	1000
39	B	20L

Columns: RTEUP/RTXCP/1

Method: 8082

Initial Cal. Method: PCB1826

Injection Volume: 1.0ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/27/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X	Dilution	IS	SU	Status (Data)	Comments
	3650315	OP40353-MSO JAS877	46353-1	8082	S	39			OK	
	SD316	JAS8750-11				40			OK	
	SD317	1				41			OK	
	SD318	2				42			OK	
	SD319	3				43			OK	
	SD320	4				44			OK	
	SD321	α 1826-500			U	45			OK	Arizolal-1st Arizolal-DT both Arizolal-2nd Arizolal-2nd both
	SD322	1804				46			OK	
	SD323	JAS8750-6			S	47			OK	
	SD324	8				48			OK	
	SD325	9				49			OK	
	SD326	10				50			OK	
	SD327	11				51			OK	
	SD328	12				52			OK	
	SD329	13				53			OK	
	SD330	14				54			OK	
	SD331	15				55			OK	
	SD332	PCU 826-1000			U	56			OK	Arizolal-DT 1st
	SD333	1805				57			OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

157

Form: OR016-05
Rev. Date: 10/20/04

10.7.4 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1852

Date: 10/27/10

Analyst Signature: J. Paff

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
5110-39644	Acetone 1260	500mg
L 418	L	100
L 37	13	20 L
Y32 E20	Hexane (Baker)	

Columns: RTX1/RTX2/RTX3/RTX4

Method: 8082

Initial Cal. Method: PCB1820

Injection Volume: 1.0ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: De Mulla

Date: 10/28/10

R	Data File	Sample ID	Ext. Batch	Test	MALS TX #	Dilution	IS	SU	Status (Data)	Comments
	3650334	OC1826-800			W 158	1			✓ OK	
	50335	1301			259	1			✓ OK	
R	50336	OP46324-MS	46324-1	8082	D 360	1			not using	Report original re Double acid cleanup
R	50337	MSD			461	1				
R	50338	JAN9408-1			462	1				
	50339	OP46308-mb2	46308-2		S 463	1			✓ OK	
	50340	bs2			464	1			✓ OK	
	50341	OP46256-mb2	46256-2		465	1			✓ OK	
	50342	bs2			466	1			✓ OK	
	50343	JA59791-1			67	1			✓ OK	
	50344	2			68	1			✓ OK	
	50345	OC1826-1000			69	1			✓ OK	
	50346	1302			70	1			✓ OK	
	50347	JA59722-1	46308-2		71	1			✓ OK	
	50348	2			72	1			✓ OK	
	50349	3			73	1			✓ OK	
	50350	4			74	1			✓ OK	
	50351	JA58675-7A	46256-2		75	1			✓ OK	
	50352	JA59574-51	46334.1		S 76	50			- OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

159

10.7.5 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1852

Date: 10/20/10

Analyst Signature: [Signature]

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
5/10546-410	AC10101260	500 ppb
410		1000
L 37	13	20

Columns: RTXCP1/RTXCP11

Method: 8082

Initial Cal. Method: PCB1826

Injection Volume: 1.0 uL

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/28/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X #	Dilution	IS	SU	Status (Data)	Comments
	SD353	JAS9549-1	46353-1	8082	5 77	1			OK	
	SD354	3			28	1			not using	RR with TBA Cleanup
	SD355	JAS8750-7			79	1			OK	
	SD356	CC1826-500			w 80	1			OK	
	SD357	1803			1	1			OK	
	SD358	op46343-ms	46343-1		2	1			OK	
	SD359	msd			3	1			OK	
	SD360	JAS9411-8			4	1			OK	
	SD361	JAS9199-14	46314-1		5 5	1			OK	Rat 20x
	SD362	10			6	1			OK	SSX
	SD363	18			7	1			not run	changed sig
	SD364	20			8	1			OK	
	SD365	CC1826-1000			w 9	1			OK	
	SD366	op46361-mb1	46361-1		10	1			OK	
	SD367	bs1			11	1			OK	
	SD368	ms			12	1			OK	
	SD369	msd			13	1			OK	
	SD370	JAS9420-1			14	1			OK	
	SD371	2			15	1			OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

161

Form: OR016-05

Rev. Date: 10/20/04

10.7.5 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1852

Date: 10/27/10

Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
44A	RT18/26	1000
4B		1000
37	10	20

Columns: RTXCP9/RTXCP11

Method: 8082

Initial Cal. Method: PCB1826

Injection Volume: 1.0ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/28/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X #	Dilution	IS	SU	Status (Data)	Comments
36	50372	JAS9420-3	46361-1	8082W	16	1		✓	OK	
	50373	4			17	1		✓	OK	
	50374	5EB			18	1		✓	OK	
	50375	7			19	1		✓	OK	
	50376	CL1826-500			20	1		✓	OK	AC1260-DHST
	50377	1304			21	1		✓	OK	
	50378	JAS9420-8			22	1		✓	OK	
	50379	9			23	1		✓	OK	
	50380	JAS9543-9			24	1		✓	OK	
	50381	10			25	1		✓	OK	
	50382	JAS9544-21A/B			26	1		✓	OK	
	50383	44A			27	1		✓	OK	
	50384	JAS9411-12 FB	46343-1		28	1		✓	OK	
	50385	JAS8750-16	46353-1		29	1		✓	OK	
	50386	JAS8750-17	46393-1		30	1		✓	OK	
	50387	18			31	1		✓	OK	
	50388	PC1826-1500			32	1		✓	OK	AC1260-DHST
	50389	1305								

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

163

1075 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2389

Date: 11/02/10

Analyst Signature: Anna Zuk

Standard Data

Standard Data

Lot #	Description	Conc.
SV10-546-19A	Pr. 1016/1260 Std.	50 ppb
-19B		250 ppb
-19C		2000 ppb
-19D		3000 ppb
-15	Pr. 1221 Std.	1000 ppb
SV10-491-11.1	Pr. 1232 Std.	1000 ppb
-11.2	Pr. 1242 Std.	1000 ppb

Lot #	Description	Conc.
SV10-546-44A	Pr. 1016/1260 Std.	500 ppb
-44B		1000 ppb
-37	IB	20 ppb
SV10-491-113	Pr. 1248 Std.	1000 ppb
-124	Pr. 1254 Std.	1000 ppb
-125	Pr. 1262 Std.	1000 ppb
-126	Pr. 1268 Std.	1000 ppb

Columns: ZB5MS/ZB170 IP

Method BOB2

Initial Cal. Method PCB 2382/2389

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 11/31/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	DA68321	CC2382-500				1	1			NOT USING	
	322	IB				2	1		✓	OK	
	323	IC2389-1000	1221			3	1		✓	OK	
	324	-1000	1232			4	1		✓	OK	
	325	-1000	1242			5	1		✓	OK	
	326	-1000	1248			6	1		✓	OK	
	327	-1000	1254			7	1		✓	OK	
	328	-1000	1262			8	1		✓	OK	
	329	-1000	1268			9	1		✓	OK	
	330	IC2389-50				10	1		✓	OK	
	331	-250				11	1		✓	OK	
	332	-500				12	1		✓	OK	
	333	ICC2389-1000				13	1		✓	OK	
	334	IC2389-2000				14	1		✓	OK	
	335	-3000				15	1		✓	OK	
	336	ICV2389-1000	2nd. src.			16	1		✓	OK	SV10-546-40 (1000ppb)

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

91

10.7.6 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2391

Date: 11/03/10

Analyst Signature: Anna Zulk

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
SV10-546-4#	Pr. 1016/1260Std	500ppm
-44B		1000ppm
-37	IB	20ppm
J32E20	Hexane (Baker)	

Columns: ZB5MS/ZB170IP

Method 808L

Initial Cal. Method PCB 2389

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____

Date: 11/11/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X	Dilution	IS	SU	Status (Data)	Comments
	0A68369	CC2389-1000				1		✓	OK	
	370	IB				2		✓	OK	
R	371	JA59699-15	46442.1	808L	S	3		✓	OK	
R	372	-16				4		✓	OK	
R	373	-18				5		✓	OK	
	374	-19				6		✓	OK	
	375	-20				7		✓	OK	
	376	-21				8		Temp ref	OK	OK for NP
	377	JA59699-9				9	5	✓	OK	
	378	OP46406-MB1	46406.1	808L	W	10		✓	OK	
	379	-BS1				11		✓	OK	
	380	CC2389-500				12		✓	OK	
	381	IB				13		✓	OK	
	382	JAS8919-1				14		✓	OK	
	383	-3				15		✓	OK	
	384	-6				16		✓	OK	
	385	-7				17		✓	OK	
	386	-8				18		✓	OK	
	387	-9				19		✓	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

97

10.7.7 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2391

Date: 11/03/10
Standard Data

Analyst Signature: Anna Zule
at 11/03/10

Lot #	Description	Conc.

Lot #	Description	Conc.
SV10-56-84	Ar. 1016 / 12/05/04	500 ppb
-56B		1000 ppb
-37	IB	20 ppb

Columns: SFXE ZB5MS/2B170 IP
 Method 8082
 Initial Cal. Method PCB2389
 Injection Volume: 1.0ul
 Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: 11/11/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	0A68388	JA58919-10	46406.1	8082	W	20	1		✓	OK	ND
	389	-11				21	1		✓	OK	
	390	JA58750-2 OP46406-LS1 11/30				22	1		✓	OK	
	391	CC2389-1000				23	1		✓	OK	
	392	IB				24	1		✓	OK	
	393	OP46406-LB1	46406.1	8082	W	25	1		✓	OK	
	394	OP46323-MB2	46323.2	8082	S	26	1		✓	OK	
	395	-BS2				27	1		✓	OK	
	396	OP46406-LS1 JA58750-2 11/30				28	1		✓	OK	
	397	CC2389-500				29	1		✓	OK	
	398	IB				30	1		✓	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate. Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05
Rev. Date: 10/20/04

99

10.7.7 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GW3143

Date: 5/3/10

Analyst Signature: Staff

Standard Data		
Lot #	Description	Conc.
89241787	15	400ppb

Standard Data		
Lot #	Description	Conc.
89241787	Herb Std	500ppb
2B		400ppb
2C		300
2D		200
2E		100
2F		50
5	ICV	300

Columns: RT1CLP1/RT1CLP11

Method: 8251

Initial Cal. Method: HW3143

Injection Volume: 1.0uL

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature] Date: 5/5/10

R	Data File	Sample ID	Ext. Batch	Test	MALS TX #	Dilution	IS	SU	Status (Data)	Comments
	990006	1501			W 1	1			✓ OK	
	990007	1C3143-500			2	1			✓ OK	
	990008	400			3	1			✓ OK	
	990009	1C3143-300			4	1			✓ OK	
	990010	1C3143-200			5	1			✓ OK	
	980011	100			6	1			✓ OK	
	980012	50			7	1			✓ OK	
	980013 3026130	1C3143-300			8	1			✓ OK <i>24-D, dichloro prop fail</i>	
 										

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.
 Sample volume/weight refer to extraction log.
 All strikeouts must be initialed, dated and reason code applied as follows: **141**
 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05 Rev Date: 10/20/04

10.7.8 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW31484

Date: 5/11/0

Analyst Signature: Raff

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
510417-1783	Herb STD	350 ppb
510417-1783	ICV	200
510417-1783	ICV	350
510417-1783	IB	400
510417-1783	Herb ICV STD	300

Columns: RTXCLP1/RTXCLP11

Method: 8151

Initial Cal. Method: HWW3143

Injection Volume: 1.0ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 5/11/0

R	Data File	Sample ID	Ext. Batch	Test	MALS TX #	Dilution	IS	SU	Status (Data)	Comments
	80025	CC3143-300			20	1			OK	
	80026	ICV3143-300			1	1			OK	dichloro prep fail, OK 24-01
	80027	OP43369-mbz	43369-2	8151	21	1			OK	
	80028	bs2		TCLP	22	1			OK	
	80029	1612			23	1			not run	changed sig.
	80030	JA45318-1			24	1			OK	
	80031	2			25	1			OK	
R	80032	OP43235-mbz	43235-2		26	1			OK	JA45099-1
	80033	bs2			27	1			OK	2
	80034	JA45099-1			28	1			OK	3
R	80035	2			29	1			OK	OP43235-mbz
	80036	3			30	1			OK	bs2
	80037	CC3143-200			31	1			OK	
	80038	ICV3143-300			32	1			OK	
	80039	OP43346-mbz	43346-1	FLS	33	1			OK	
	80040	bs1			34	1			OK	
	80041	ms			35	1			OK	
	80042	MSD			36	1			OK	
	80043	JA45207-1			37	1			OK	

MTX = Matrix, Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

147

10.7.9 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3144

Date: 5/4/10

Analyst Signature: J. Raff

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
BV9-417-112	Herb std	300 ppb
87	13	400 L

Columns: RTKLP11/RTKLP11

Method 8151

Initial Cal. Method HWW3143

Injection Volume: 1.00L

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Quinn

Date: 5/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX T X #	Dilution	IS	SU	Status (Data)	Comments
9	80044	0704369-LND	44369-1	8151	W 38	1		✓	OK	
	80045	UB12	44369-2	TCLP	39	1		✓	OK	
	80046	LS4	44369-1		40	1		✓	OK	
	80047	0703235-UB11	43235-2		41	1		✓	OK	
	80048	BCL3143-350			42	1		✓	OK	
	80049	1B21			43	1		✓	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be Initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

10.7.9 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3331

Date: 10/19/10

Analyst Signature: J. Poff

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
<u>SM-S16-301</u>	<u>Herb Sp2</u>	<u>200ppb</u>
<u>39B</u>	<u>1</u>	<u>300</u>
<u>2</u>	<u>15</u>	<u>400</u>

Columns: RTXCLP1/RTXCLPV

Method 8151

Initial Cal. Method HW343

Injection Volume: 1.0uL

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/20/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X #	Dilution	IS	SU	Status (Data)	Comments
	<u>W11AS22</u>	<u>CC3143-200</u>			<u>W 1</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	<u>24.5-TMS</u>
	<u>95223</u>	<u>1601</u>			<u>2</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95224</u>	<u>op46195-mb1</u>	<u>46195-1</u>	<u>8151</u>	<u>5</u>	<u>3</u>	<u>1</u>	<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95225</u>	<u>bs1</u>		<u>STD</u>	<u>4</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95226</u>	<u>JAS8750-1</u>			<u>5</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95227</u>	<u>5</u>			<u>6</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95228</u>	<u>7</u>			<u>7</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95229</u>	<u>8</u>			<u>8</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95230</u>	<u>10</u>			<u>9</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95231</u>	<u>17</u>			<u>10</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95232</u>	<u>C12872-5</u>			<u>11</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95233</u>	<u>CC3143-300</u>			<u>W12</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95234</u>	<u>op46115-mb2</u>	<u>46115-2</u>	<u>TCLP</u>	<u>13</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95235</u>	<u>bs2</u>			<u>14</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95236</u>	<u>JAS8044-5</u>			<u>15</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95237</u>	<u>6</u>			<u>16</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95238</u>	<u>7</u>			<u>17</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95239</u>	<u>op46113-438</u>	<u>46113-3</u>		<u>18</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95240</u>	<u>CB10</u>			<u>19</u>	<u>1</u>		<input checked="" type="checkbox"/>	<u>OK</u>	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

29

Form: OR016-05
Rev. Date: 10/20/04

10.7.10 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3331

Date: 10/19/10

Analyst Signature: J. Raff

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
5110-910-39A	Herb SKA	200ppb
L 2	IB	400L

Columns: RTXCP1/RTXCPV

Method: 8151

Initial Cal. Method: HWW3143

Injection Volume: 1.0ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature] Date: 10/20/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WWS241	946114-CB9	46114-3	TCLP		20	1			✓ OK	
	95242	JA58321-1	461133			21	1			✓ OK	
	95243	JA58222-1				22	1			✓ OK	
	95244	ECC3143-200				23	1			✓ OK	always 2nd
	95245	1B02				24	1			✓ OK	

10.7.10 10

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.
 Sample volume/weight refer to extraction log.
 All strikeouts must be initialed, dated and reason code applied as follows:
 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3332

Date: 10/20/10

Analyst Signature: Shaff

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5116-916-342	Herb STA	300 ppb
1 39A	L	200
1 2	1B	100

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HW3343

Injection Volume: 1.00L

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/21/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	GWW95246	CL 3143-300			W	1	1			OK	
	95247	1B01				2	1			OK	
	95248	0216244-m01	462441	8151		3	1			OK	
	95249	6S1		TCP		4	1			OK	
	95250	1S8				5	1			OK	
	95251	1B11				6	1			OK	
	95252	JA58681-1				7	1			OK	
	95253	JA58750-18	461951	310	S	8	1			OK	
	95254	9				9	1			OK	
	95255	FCC3143-250			W	10	1			OK	edit 1st & 2nd
	95256	1B02				11	1			OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05
Rev Date: 10/20/04

33

10.7.11 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: [Signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
571084639A	Herb STD	300ppm
1 39A	1	200
2	2	400

Columns: RTXCP1/RTXCP11

Method 8151

Initial Cal. Method HW3143

Injection Volume: 1.0

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/22/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WWS303	CC3143-300			W	1	1			✓	OK
	95304	op46267-mb1	46267	8151		2	1			✓	OK
	95305	JAS8833-12		JCLP		3	1			✓	OK
	95306	11				4	1			✓	OK
	95307	10				5	1			✓	OK
	95308	9				6	1			✓	OK
	95309	8				7	1			✓	OK
	95310	7				8	1			✓	OK
	95311	6				9	1			✓	OK
	95312	5				10	1			✓	OK
	95313	4				11	1			✓	OK
	95314	CC3143-200				12	1		1st	✓	OK
	95315	1301				13	1			✓	OK
	95316	op46267-BS1				14	1			✓	OK
	95317	JAS8833-3				15	1			✓	OK
	95318	2				16	1			✓	OK
	95319	1				17	1			✓	OK
	95320	op46267-LS11				18	1			✓	OK
	95321	LB15				19	1			✓	OK

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05
Rev. Date: 10/20/04

41

10.7.12 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
5110-96318	Herb STD	300 ppb
1	37A	700
2	1B	400

Columns: RTXCP1/RTXCP11

Method 8151

Initial Cal. Method HW3M3

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/22/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	IS	SU	Status (Data)	Comments
	W1095322	JA58750-2	46195-1	8151	S	20		✓ OK	
	95323	3		STD		4		✓ OK	
	95324	4				22		✓ OK	
	95325	CC3143-300			W	23		✓ OK	
	95326	1B02				24		✓ OK	
	95327	OP46195-MS			S	25		✓ OK	
	95328	MSD				26		✓ OK	
	95329	JA58750-6				27		✓ OK	
	95330	11				28		✓ OK	
	95331	12				29		✓ OK	
	95332	14				30		✓ OK	
	95333	15				31		✓ OK	
	95334	16				32		✓ OK	
	95335	JA58900-6EB	46107-3		W	33		✓ OK	
	95336	CC3143-200			W	34		✓ OK	subject 1 and
	95337	OP46107-mb3				35		✓ OK	
	95338	653				36		✓ OK	
	95339	JA58900-5EB				37		✓ OK	
	95340	CC3143-300	46195-1		S	38		✓ OK	
	95341	1B02				24		✓ OK	JA58750-13

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

Rev Date: 10/20/04

43

10.7.12 10



ACCUTEST

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: J. Ruff

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
Substr 39A	Herb STD	300ppb
1 39A	1	200
1 2	1B	400

Columns: RTXCP1/RTXCP1

Method: 8151

Initial Cal. Method: HW343

Injection Volume: 10ul

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/25/10

R	Data File	Sample ID	Ext. Batch	Test	MALS TX #	Dilution	IS	SU	Status (Data)	Comments
	WV95341	CC3143-300			W 39	1			OK	
	95342	1B03			40	1			OK	
	95343	OP46280-mb1	46280-1	8151	41	1			OK	
	95344	b51		TCUP	42	1			OK	
	95345	1b18			43	1			OK	
	95346	JA5844-1			44	1			OK	
	95347	JA58462-1			45	1			OK	
	95348	JA58376-1			46	1			OK	
	95349	JA58463-1	46114-4		47	1			OK	
	95350	OP46114-LB19			48	1			OK	
	95351	OP46280-LB16	46280-1		49	1			OK	
	95352	CC3143-200			50	1			OK	always 2nd
	95353	1B04			40	1			OK	
	95354	OP46280-L510			51	1			OK	
	95355	JA58261-120R			52	1			OK	
	95356	1B6			53	1			OK	
	95357	B2			54	1			OK	
	95358	1B8			55	1			OK	
	95359	144			56	1			OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate...

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

45

10.7.12 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW333.4

Date: 10/21/10

Analyst Signature: [Signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
<u>S/10 SH64913</u>	<u>Herb SA</u>	<u>30mg/g</u>
<u>1 2</u>	<u>13</u>	<u>400L</u>

Columns: RTX/CP1/RTX/CP1
 Method: 8151
 Initial Cal. Method: HW3MB
 Injection Volume: 1.04
 Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/21/10

R	Data File	Sample ID	Ext. Batch	Test	MTX #	Dilution	IS	SU	Status (Data)	Comments
	<u>W45360</u>	<u>JA58261-150R</u>	<u>46286-1</u>	<u>8151</u>	<u>W</u>	<u>57</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95361</u>	<u>156</u>		<u>TCUP</u>		<u>58</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95362</u>	<u>162</u>				<u>59</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95363</u>	<u>FCC3 143-350</u>				<u>60</u>		<input checked="" type="checkbox"/>	<u>OK</u>	
	<u>95364</u>	<u>1505</u>				<u>61</u>		<input checked="" type="checkbox"/>	<u>OK</u>	

MTX = Matrix. Designate W for water, S for soil, O for oil. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05
Rev. Date: 10/20/04

10.7.12 10

47



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3901

Date: 10/25/10

Analyst Signature: Anna Zuk

Standard Data

Standard Data

Lot #	Description	Conc.
S10-S46-19A	Av. 1016/1260 Std.	50 ppb
-19B		250 ppb
at 1016-19C		500 ppb
-19D		1000 ppb
		2000 ppb
		3000 ppb
S10-S46-15	Av. 1221 Std.	1000 ppb

Lot #	Description	Conc.
S10-S41-121	Av. 1232 Std.	1000 ppb
-122	Av. 1242 Std.	1000 ppb
-123	Av. 1248 Std.	1000 ppb
-124	Av. 1254 Std.	1000 ppb
-125	Av. 1262 Std.	1000 ppb
-126	Av. 1268 Std.	1000 ppb
-129	1016/1260 2n. Src.	1000 ppb

Columns: STXCCPI/STXCCPII

Method 8082

Initial Cal. Method PCB 3901

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/26/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	XX100275	IB				1	1		✓	OK	
	276	IC3901-1000	1221			2	1		✓	OK	
	277	-1000	1232			3	1		✓	OK	
	278	-1000	1242			4	1		✓	OK	
	279	-1000	1248			5	1		✓	OK	
	280	-1000	1254			6	1		✓	OK	
	281	-1000	1262			7	1		✓	OK	
	282	-1000	1268			8	1		✓	OK	
	283	IC3901-500				9	1		✓	OK	
	284	-250				10	1		✓	OK	
	285	-500				11	1		✓	OK	
	286	IC3901-1000				12	1		✓	OK	
	287	IC3901-2000				13	1		✓	OK	
	288	-3000				14	1		✓	OK	
	289	ICV3901-1000	2nd. src.			15	1		✓	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR016-05

Rev. Date: 10/20/04

75

10.7.13 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3909

Date: 11/03/10

Analyst Signature: Anna Zuk

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
5102-S46-448	Pr. 1016/1260 Std	500 ppb
-448		1000 ppb
-37	IB	20 ppb
ISLE70	Hexane (Baker)	

Columns: STXCCPI | STXCCPI

Method 8082

Initial Cal. Method PCB 3901

Injection Volume: 1.0 ml

Date Archived:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 11/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	XX100602	CC3901-500				1	1			✓	OK
	603	IB				2	1			✓	OK
R	604	JA59218-14P	46456.1	8082	S	3	20				OK
	605	JA60332-2	46500.1	8082	S	4	1			✓	OK
	606	-5				5	1			✓	OK
R	607	JA59402-4	46371.1	8082	U	6	10				OK
	608	OP46323-MR1	46323.1	8082	S	7	1			✓	OK
	609	-BS2				8	1			✓	OK
	610	JA60326-21				9	1			✓	OK
	611	-22				10	1			✓	OK
	612	-23				11	1			✓	OK
	613	CC3901-1000				12	1			✓	OK
	614	IB				13	1			✓	OK
	615	JA60326-24	46323.2	8082	S	14	1			✓	OK
	616	JA59507-7A				15	1				RR at 10x
	617	JA59193-6	46280.1	8082	S	16	1				RR due to carry over
	618	-9				17	1				RR due to carry over
	619	OP46500-MR1	46500.1			18	1			✓	OK
	620	-BS1				19	1			✓	OK

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

115

All strikeouts must be initialed, dated and reason code applied as follows: †

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

Rev. Date: 10/20/04

10.7.14 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3909

Date: 11/03/10

Analyst Signature: Anne Zule

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
SN105464A	Arx. 1016/1260 Std	500ppb
-448	I	1000ppb
-37	IB	20ppb

Columns: STXCLPI / STXCLPI

Method 8082

Initial Cal. Method PCB 3901

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____

Date: 11/5/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X #	Dilution	IS	SU	Status (Data)	Comments
	XX100 621	JA59485-39R	46500.1	8082	S 20	1		✓	OK	RR at 100x
	622	JA59574-13R			21	1				RR due to carryover
	623	JA60190-1			22	1		✓	OK	
	624	CL3901-500			23	1		ECB k1st	OK	
	625	IB			24	1		✓	OK	
	626	JA60284-1	46500.1	8082	S 25	1		✓	OK/OL	RR at 2X
	627	-2			26	1		TCM ↑	OK	
	628	JA59829-1			27	1		✓	OK	
	629	JA60367-1			28	1		✓	OK	
	630	-2			29	1		✓	OK/OL	RR at 5X
	631	JA59698-17			30	1		✓	OK	
	632	-22			31	1			OK	
	633	OP46500-MS			32	1			OK	
	634	-MSD			33	1				RR
	635	CL3901-1000			34	1		✓	OK	
	636	IB			35	1		✓	OK	
	637	JA58698-23	46500.1	8082	S 36	1			OK	
	638	-24			37	1			OK	
	639	-25			38	1			OK	

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

117

Form: OR016-05

Rev. Date: 10/20/04

10.7.14 10



ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3909

Date: 11/23/10

Analyst Signature: Anna Zule

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
W10-546-84	Av. 1016/1260 Std	500ppb
72	IB	20ppb

Columns: STXCCPI / STXCCPII

Method 8082

Initial Cal. Method PCB3901

Injection Volume: 1.0ul

Date Archived: _____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____

Date: 11/11/10

R	Data File	Sample ID	Ext. Batch	Test	MALS T X	#	Dilution	IS	SU	Status (Data)	Comments
	XX100840	JA59680-1	465021	8082	S	39	1			OK	
	641	-2				40	1			OK	
	642	-3				41	1		✓	OK	
	643	-4				42	1			OK	
	644	JA59766-1				43	1		✓	OK	
	645	CC3901-500				44	1		DOB 6/4	OK	
	646	IB				45	1				

MTX = Matrix. Designate W for water, S for soil, O for oil.. IS = Internal Standard Area. (if used) SU = Surrogate.

Sample volume/weight refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst 's correction error

Form: OR016-05

Rev. Date: 10/20/04

119

EXT-SO / ae/b2

BAL ID B-7



SOLID/LIQUID EXTRACTION

BATCH # 6246195-1 RACK# 06-60

EXTRACTION TIME: 4:10pm

Sonication

Pressurized Fluid (ASE)

Soxhlet

EXTRACTION METHOD (circle one)

SW846 3550B CLP / other

SW846 3545 / CLP / other

SW846 3540C / other

Supervisor Review

EXTRACTION DATE: 10/15/10 ANALYST: GP

METHOD: Herb

Water Bath Temp(C) 42 Nitrogen Evap Temp(C) 35

Signature [Signature]
Date 10/15/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup				Comments	SURROGATE SPIKE DATA			
						Y	N	Vol(ml)	Color	GPC	H2SO4	Cu	Florisil		LOT #	CONC. (PPM)	AMT ADDE (ML)	
MB			Herb	Herb	35.0			10	clear					BASE				
BS				↓	35.0			10	clear					ACID				
JAS8750-11		4		mud	35.0	✓		10	clear					PPCB				
MSD		4		mud	35.0	✓		10	clear					HERB	970-420-131	10ppm	0.5	
BS																		
MS																		
MSD																		
1 JAS8750-1		1	Herb	mud	35.1	✓		10	yellow									
2 -2		2		mud	35.3	✓		10	clear					BASE				
3 -3		2		mud	35.3	✓		10	↓					ACID				
4 -4		1		mud	35.3	✓		10	↓					PEST				
5 -5		1		mud	35.1	✓		10	yellow					PCB				
6 -6		1		mud	35.2	✓		10	clear					HERB	970-420-141	10ppm	0.5	
7 -7		1		mud	35.1	✓		10	yellow									
8 -8		2		mud	35.2	✓		10	yellow									
9 -9		1		mud	35.2	✓		10	clear									
10 -10		1		mud	35.3	✓		10	yellow									
11 -11		4		mud	35.4	✓		10	clear					1:1 MCI ACE	970-134	100	100	
12 -12		1		mud	35.1	✓		10						METH CHLOR	DCS49	100	200	
13 -13		1		mud	35.0	✓		10						HEXANE	50-Flu	100		
14 -14		1		mud	35.0	✓		10						ACETONE				
15 -15		2			35.0	✓		10						ETH ETHER				
16 -16		2			35.1	✓		10	↓									
17 -17		2			35.0	✓		10	yellow									
18 -18		2			35.3	✓		10	clear									
19 U12872-5		1		soil	35.1	✓		10	yellow									

COMMENTS:

REAGENT/FILTER MEDIA

SODIUMSULF. 970-420-06 Fisher

FILTER PAPER

COPPER 38% HCL 626054 Baker

FLORISIL

SULFURIC ACID

See back for instructions

EXT-SO 10/23/09

BAL ID B-3



SOLID/LIQUID EXTRACTION

BATCH # G046323-1 RACK# 612-60

EXTRACTION TIME: 10:00 am Sonication SW846 3550B / CLP / other Pressurized Fluid (ASE) SW846 3545 / CLP / other Soxhlet SW846 3540C / other
 EXTRACTION METHOD (circle one) DANALYST: G7 METHOD: 8052005 Water Bath Temp(C) 72/60 Nitrogen Evap Temp(C) 7
 Signature G7 Date 10/23/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup			Comments	SURROGATE SPIKE DATA			
						Y	N	Vol(ml)	Color	GPC	H2SO4	Cu		Florisil	LOT #	CONC. (PPM)	AMT ADDED (ML)
MB 1			PCB	Mysky	17.0			10	clear		✓	✓		BASE			
BS 1					17.0			10	clear		✓	✓		ACID			
JA594173 MS		1	✓	clay	17.0			10	clear		✓	✓		PPCB	opie-501-3	40ppb	✓
MSD		1	✓	clay	17.0			10	clear		✓	✓		HERB			
BS														WITNESS SIGN: <u>G7</u>			
MS														MATRIX SPIKE DATA			
MSD														LOT #	CONC.	AMT ADDED (ML)	
1 JA59417-33		1	✓	clay	17.1			10	clear		✓	✓		BASE			
2 -34		1	✓	clay/clay	17.0			10	clear		✓	✓		ACID			
3 -35		1	✓	clay	17.0			10	clear		✓	✓		PEST			
4														PCB	opie-501-4	2ppm	✓
5														HERB			
6														WITNESS SIGN: <u>G7</u>			
7														SOLVENT DATA			
8														LOT #	BRAND	AMT X/ML	
9														1:1 MC/ACE	opie-920-134	1/100	
10														METH CHLOR			
11														HEXANE	581310	Baker	50
12														ACETONE			
13														ETH ETHER			
14														REAGENT/FILTER MEDIA			
15														LOT #	BRAND		
16														SODIUM SULF.	opie-79	Fisher	
17														FILTER PAPER	030301	Whatman	
18														COPPER	opie-70-127	Waldich	
19														FLORISIL			
20														SULFURIC ACID	B04F05	Baker	

COMMENTS:

(Handwritten signature/initials)

See back for instructions

10.8.2 10

EXT-SO 10-487

BAL ID B-37

SOLID/LIQUID EXTRACTION

BATCH # 5046323-2 RACK# CE-67



EXTRACTION TIME: 11am Sonication Pressurized Fluid (ASE) Soxhlet
 EXTRACTION METHOD: (circle one) SW846 3550B / CLP / other SW846 3545 / CLP / other SW846 3540C / other Supervisor Review
 EXTRACTION DATE: 11/2/10 ANALYST: pc METHOD: 8082 PCB Water Bath Temp(C) 40 Nitrogen Evap Temp(C) 40 Signature [Signature]
 Date 11/2/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup			Comments	SURROGATE SPIKE DATA				
						Y	N	Vol(ml)	Color	GPC	H2SO4	Cu		Florisil	LOT #	CONC. (PPM)	AMT ADDED (ML)	
MB 2			PCB	Na2SO4	17.0			10	clear	/	/			BASE				
BS 2				Na2SO4	17.0			10	clear	/	/			ACID				
MS														PPCB	OP	10-84-19	400ppm	1
MSD														HERB				
BS																		
MS																		
MSD																		
1 JAB0326-21		1	PCB	Soil	17.2		/	10	clear	/	/							
2 -22		1		Soil	17.1		/	10	clear	/	/			BASE				
3 -23		1		clay	17.0		/	10	clear	/	/			ACID				
-24		1		clay	17.1		/	10	clear	/	/			PEST				
5 JAS9507-7A		1		Soil	17.0		/	10	clear	/	/			PCB	OR	10501-4	4 ppm	1
6														HERB				
7																		
8																		
9														WITNESS SIGN:	10 / AL			
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		

COMMENTS: 10/10

REAGENT/FILTER MEDIA			
	LOT #	BRAND	
SODIUM SULFOP	010-97	Fisher	
FILTER PAPER	0380302	Whatman	
COPPER	01040017	Aldrich	
FLORISIL			
SULFURIC ACID	304605	Baker	

95

Prep Log OP46323 page 2 of 3

1453 of 2212
ACCUTEST
LABORATORIES
JAS8750

EXT-SO 10494

BAL ID 83



SOLID/LIQUID EXTRACTION

BATCH # 646323-2 RACK#

EXTRACTION TIME: 3:15 pm Sonication Pressurized Fluid (ASE) Soxhlet
 EXTRACTION METHOD (circle one) SW846 3550B / CLP / other SW846 3545 / CLP / other SW846 3540C / other
 EXTRACTION DATE: 11/3/10 ANALYST: AL METHOD: Soxhlet Water Bath Temp(C) 42 Nitrogen Evap Temp(C)

Supervisor Review
 Signature
 Date 11/3/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup			Comments	SURROGATE SPIKE DATA			
						Y	N	Vol(ml)	Color	GPC	H2SO4	CA		Florisil	LOT #	CONC. (PPM)	AMT ADDED (ML)
MB 2			PCB	Na2SO4	17.0			10	clear	/	/			BASE			
BS 5			PCB	Na2SO4	17.0			10	clear	/	/			ACID			
MS														PPCB	OP 10-81-19	400ppb	1
MSB														HERB			
MS 11/3/10														WITNESS SIGN: <u>CD/AL</u>			
MSD														MATRIX SPIKE DATA			
JAS8750-2x			PCB	mud	17.1	/		10	clear	/	/			LOT #	CONC.	AMT ADDED (ML)	
														BASE			
														ACID			
														PEST			
														PCB	OP 10-501-4	2 ppm	1
														HERB			
														WITNESS SIGN: <u>CD/AL</u>			
														SOLVENT DATA			
														LOT #	BRAND	AMT X/ML	
														1:1 MC/ACE	OP 10-480-134	Hw/Baker	
														METH CHLOR			
														HEXANE	J33540	Baker	50
														ACETONE			
														ETH ETHER			
														REAGENT/FILTER MEDIA			
														LOT #	BRAND		
														SODIUM SULF.	OP 010-98	Fisher	
														FILTER PAPER	0320302	christman	
														COPPER	OP 1043097	Aldrich	
														FLORISIL			
														SULFURIC ACID	J04F08	Baker	

COMMENTS:

AL

EXT-SO 10-489

BAL ID B3



SOLID/LIQUID EXTRACTION

BATCH # G46352-1 RACK# GE-12

EXTRACTION TIME: 7am Sonication Pressurized Fluid (ASE) Soxhlet
 EXTRACTION METHOD (circle one) SW846 3550B / CLP / other SW846 3545 / CLP / other SW846 3540C / other
 EXTRACTION DATE: 10/26/10 ANALYST: AL METHOD: 8081 Post Water Bath Temp(C) 42 Nitrogen Evap Temp(C) 35 Signature AL Date 10/26/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup				Comments	SURROGATE SPIKE DATA			
						Y	N	Vol(ml)	Color	GPC	H2SO4	AgCu	Florisil		LOT #	CONC. (PPM)	AMT ADDED (ML)	
MB 1			Post	Na2SO4	17.0			10	clear			/	/		BASE			
BS 1				Na2SO4	17.0			10	clear			/	/		ACID			
JAS8750-1 MS		3		mud	17.0	/		10	clear			/	/		PPCB	00105013	400	1
MSD		3		mud	17.0			10	clear			/	/		HERB			
BS 1																		
MS 10/26/10																		
MSD																		
WITNESS SIGN: <u>AL</u>																		
MATRIX SPIKE DATA																		
1	JAS8750-1	2	Post	mud	17.1	/		10	clear			/	/					
2	-2	2		mud	17.1	/		10	clear			/	/		BASE			
3	-3	1		mud	17.3	/		10	clear			/	/		ACID			
4	-4	1		mud	17.1	/		10	clear			/	/		PEST	00105016	250	1
5	-5	1		mud	17.1	/		10	clear			/	/		PCB			
6	-6	2		mud	17.1	/		10	clear			/	/		HERB			
7	-7	1		mud	17.2	/		10	light blue			/	/					
8	-8	1		mud	17.1	/		10	clear			/	/					
9	-9	1		mud	17.1	/		10	clear			/	/					
WITNESS SIGN: <u>AL</u>																		
SOLVENT DATA																		
10	-10	1		sand	17.0	/		10	clear			/	/					
11	-11	3		mud	17.0	/		10	clear			/	/		1:1 MC/ACE	10420231	Mc Baker	350
12	-12	1		mud	17.3	/		10	clear			/	/		METH CHLOR			
13	-13	2		mud	17.1	/		10	clear			/	/		HEXANE	133276	Baker	
14	-14	2		sand	17.2	/		10	clear			/	/		ACETONE			
15	-15	2		mud	17.0	/		10	clear			/	/		ETH ETHER			
16	-16	2		mud	17.1	/		10	clear			/	/					
REAGENT/FILTER MEDIA																		
17	-17	1		mud	17.1	/		10	clear			/	/					
18	-18	1		mud	17.3	/		10	clear			/	/					
SODIUM SULF. 10-98 Fisher																		
FILTER PAPER 0130301 Ahlstrom																		
COPPER 10420231 Alarich																		
FLORISIL																		
SULFURIC ACID																		

COMMENTS:

WPA

EXT-SO/0-489

BAL ID B3

SOLID/LIQUID EXTRACTION

BATCH # 6046353-1	RACK# OE-70
Supervisor Review	
Signature	
Date 10/16/10	



EXTRACTION TIME: 7AM

Sonication

Pressurized Fluid (ASE)

Soxhlet

EXTRACTION METHOD (circle one)

SW846 3550B / CLP / other

SW846 3545 / CLP / other

SW846 3540C / other

Signature

EXTRACTION DATE: 10/16/10 ANALYST: AL

METHOD: ASE/PEB

Water Bath Temp(C) 42

Nitrogen Evap Temp(C)

Date

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant		Final Extract		Extract Cleanup			Comments	SURROGATE SPIKE DATA			
						Y	N	Vol(ml)	Color	GPC	H2SO4	AgCl		Florisil	LOT #	CONC. (PPM)	AMT ADDED (ML)
MB 1			PCB	Na2SO4	17.0			10	clear	/	/			BASE			
BS 1				Na2SO4	17.0			10	clear	/	/			ACID			
JAS8750-11 MS		3		mud	17.0	/		10	clear	/	/			PPCB	105013	400	1
MSD		3		mud	7.0	/		10	clear	/	/			HERB			
BS																	
MS																	
MSD														WITNESS SIGN:	AL		
1 JAS8750-1		2	PEB	mud	17.1	/		10	clear	/	/						
2 -2		2		mud	17.1	/		10	clear	/	/			BASE			
3 -3		1		mud	17.3	/		10	clear	/	/			ACID			
4 -4		1		mud	17.1	/		10	clear	/	/			PEST			
5 -5		1		mud	17.1	/		10	clear	/	/			PCB	105014	2	1
6 -6		2		mud	17.1	/		10	clear	/	/			HERB			
7 -7		1		mud	17.2	/		10	yellow	/	/						
8 -8		1		mud	17.1	/		10	clear	/	/			WITNESS SIGN:	AL		
9 -9		1		mud	17.1	/		10	clear	/	/						
10 -10		1		sand	17.0	/		10	clear	/	/						
11 -11		3		mud	17.0	/		10	clear	/	/			1:1 MC/ ACE	10470134	no Baker	3/20
12 -12		1		mud	17.3	/		10	clear	/	/			METH CHLOR			
13 -13		2		mud	17.1	/		10	clear	/	/			HEXANE	J32E40	Baker	
14 -14		2		sand	17.2	/		10	clear	/	/			ACETONE			
15 -15		2		mud	17.0	/		10	clear	/	/			ETH ETHER			
16 -16		2		mud	17.1	/		10	clear	/	/						
17 -17		1		mud	17.1	/		10	clear	/	/						
18 -18		1		mud	17.3	/		10	clear	/	/						
JAS9549-1		1		dark sand	17.2	/		10	yellow	/	/			SODIUM SULF.	10298	Fisher	
		1		mud	17.2	/		10	brown	/	/			FILTER PAPER	0130201	Aldrich	
		1		mud	17.2	/		10	brown	/	/			COPPER	1020129	Aldrich	

COMMENTS:

WPT AL

See back for instructions

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA25275
Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:38	MA25275-STD1	1		STDA
10:44	MA25275-STD2	1		STDB
10:50	MA25275-STD3	1		STDC
10:56	MA25275-CCV1	1		
11:02	MA25275-CCB1	1		
11:09	MA25275-CRIB1	1		
11:15	MA25275-CRID1	1		
11:22	MA25275-ICV1	1		
11:35	MA25275-ICB1	1		
11:42	MA25275-ICCV1	1		
11:52	MA25275-CCB2	1		
11:57	MA25275-ICSA1	1		
12:03	MA25275-ICSAB1	1		
12:09	MA25275-CCV2	1		
12:15	MA25275-CCB3	1		
12:22	ZZZZZZ	1		
12:28	ZZZZZZ	5		
12:34	ZZZZZZ	1		
12:40	MP55409-MB2	1		
12:46	MP55409-LC1	1		
12:52	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:17	MA25275-CCV3	1		
13:23	MA25275-CCB4	1		
13:29	MP55395-S1	2		
13:35	MP55395-S2	2		
13:42	JA59094-3	2		(sample used for QC only; not part of login JA58750)
13:48	MP55395-SD1	10		
13:54	ZZZZZZ	1		
14:00	ZZZZZZ	5		
14:06	ZZZZZZ	1		

11.1
11

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA25275
Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:13	ZZZZZZ	2		
14:19	MP55414-MB1	1		
14:25	MP55414-LC1	1		
14:31	MA25275-CCV4	1		
14:37	MA25275-CCB5	1		
14:43	MP55414-S1	1		
14:49	MP55414-S2	1		
14:55	JA59308-1	1		(sample used for QC only; not part of login JA58750)
15:01	MP55414-SD1	5		
15:07	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:45	MA25275-CCV5	1		
15:51	MA25275-CCB6	1		
15:57	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:34	MA25275-ICSA2	1		
16:40	MA25275-ICSAB2	1		
16:46	MA25275-CCV6	1		
16:52	MA25275-CCB7	1		
16:58	MP55421-MB1	1		
17:05	MP55421-B1	1		
17:11	MP55421-S1	1		
17:17	MP55421-S2	1		
17:23	JA59211-1	1		(sample used for QC only; not part of login JA58750)
17:29	MP55421-SD1	5		

11.1
11

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA25275
Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:35	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:00	MA25275-CCV7	1		
18:06	MA25275-CCB8	1		
18:13	MA25275-CRIB2	1		
18:19	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:37	MA25275-CCV8	1		
18:43	MA25275-CCB9	1		
18:50	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:45	MA25275-CCV9	1		
19:51	MA25275-CCB10	1		
19:58	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:53	MP55421-LC1	1		

11.1
11

Accutest Laboratories Instrument Runlog
 Inorganics Analyses

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb,As,Ba,Be,B,Cd,Cr,Co,Cu,Pb,Mn,Ni,Se,Ag,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:59	MA25275-CCV10	1		
21:05	MA25275-CCB11	1		
21:11	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:42	MP55422-MB1	1		
21:48	MP55422-B1	1		
21:54	MP55422-S1	1		
22:00	MP55422-S2	1		
22:06	MA25275-CCV11	1		
22:12	MA25275-CCB12	1		
22:19	JA58750-11	1		
22:25	MP55422-SD1	5		
22:31	JA58750-1	1		
22:37	JA58750-2	1		
22:43	JA58750-3	1		
22:49	JA58750-4	1		
22:55	JA58750-5	1		
23:02	JA58750-6	1		
23:08	JA58750-7	1		
23:14	JA58750-8	1		
23:20	MA25275-CCV12	1		
23:26	MA25275-CCB13	1		
23:33	JA58750-9	1		
23:39	JA58750-10	1		
23:45	JA58750-12	1		
23:51	JA58750-13	1		
23:58	JA58750-14	1		
00:04	JA58750-15	1		
00:10	JA58750-16	1		
00:16	JA58750-17	1		

11.1
 11

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA25275
Parameters: Sb,As,Ba,Be,B,Cd,Cr,Co,Cu,Pb,Mn,Ni,Se,Ag,Tl,Sn,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

-----> 00:23 JA58750-18 1
Last reportable sample/prep for job JA58750

00:29 MA25275-CCV13 1

00:35 MA25275-CCB14 1

00:41 MA25275-CRIB3 1

00:47 ZZZZZZ 1

00:53 MA25275-ICSA3 1

01:00 MA25275-ICSAB3 1

01:06 MA25275-CCV14 1

-----> 01:12 MA25275-CCB15 1
Last reportable CCB for job JA58750

01:18 ZZZZZZ 1

01:24 ZZZZZZ 1

01:30 ZZZZZZ 1

01:37 ZZZZZZ 1

01:43 ZZZZZZ 1

01:49 ZZZZZZ 1

01:55 ZZZZZZ 1

02:02 ZZZZZZ 1

02:08 ZZZZZZ 1

02:14 ZZZZZZ 1

02:20 ZZZZZZ 1

02:26 ZZZZZZ 1

02:32 ZZZZZZ 1

Refer to raw data for calibration curve and standards.

11.1
11

INTERNAL STANDARD SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:38	MA25275-STD1	2980 R	139780 R	48159 R	8702 R
10:44	MA25275-STD2	2806	132490	48165	8041
10:50	MA25275-STD3	2632	126310	47332	7180
10:56	MA25275-CCV1	2718	129540	47820	7659
11:02	MA25275-CCB1	2847	133990	48900	8451
11:09	MA25275-CRIB1	2822	133770	48980	8276
11:15	MA25275-CRID1	2823	133740	48610	8399
11:22	MA25275-ICV1	2854	132760	47797	8314
11:35	MA25275-ICB1	2902	132990	48829	8591
11:42	MA25275-ICCV1	2775	130390	46980	7798
11:52	MA25275-CCB2	2897	135460	48133	8608
11:57	MA25275-ICSA1	2502	119360	44674	6529
12:03	MA25275-ICSAB1	2498	119320	44751	6517
12:09	MA25275-CCV2	2780	132340	46828	7833
12:15	MA25275-CCB3	2891	137090	47926	8626
12:22	ZZZZZZ	2634	129600	46167	7748
12:28	ZZZZZZ	2357	116040	43152	6529
12:34	ZZZZZZ	2876	135850	47652	8600
12:40	MP55409-MB2	2832	134600	47928	8544
12:46	MP55409-LC1	2816	133480	47425	8374
12:52	ZZZZZZ	2830	134630	47783	8441
12:59	ZZZZZZ	2849	134670	48281	8526
13:05	ZZZZZZ	2835	135040	47472	8567
13:11	ZZZZZZ	2844	135310	47757	8580
13:17	MA25275-CCV3	2779	132080	46861	7838
13:23	MA25275-CCB4	2906	136610	47792	8683
13:29	MP55395-S1	2486	122050	44748	7032
13:35	MP55395-S2	2498	122350	44767	7050
13:42	JA59094-3	2504	122790	45258	7120
13:48	MP55395-SD1	2749	132570	46656	8064
13:54	ZZZZZZ	2856	135690	47795	8580
14:00	ZZZZZZ	2873	138040	47806	8604
14:06	ZZZZZZ	2857	136870	47968	8630

11.1.1


INTERNAL STANDARD SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb,As,Ba,Be,B,Cd,Cr,Co,Cu,Pb,Mn,Ni,Se,Ag,Tl,Sn,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:13	ZZZZZZ	2868	137750	48401	8048
14:19	MP55414-MB1	2837	135860	47556	8561
14:25	MP55414-LC1	2803	133830	47251	8345
14:31	MA25275-CCV4	2759	134020	46113	7794
14:37	MA25275-CCB5	2897	137380	47393	8651
14:43	MP55414-S1	2782	133610	46667	8148
14:49	MP55414-S2	2767	133710	47139	8123
14:55	JA59308-1	2865	137490	47750	8602
15:01	MP55414-SD1	2888	137820	46480	8639
15:07	ZZZZZZ	2705	130970	46293	8028
15:13	ZZZZZZ	2868	136290	46976	8624
15:20	ZZZZZZ	2733	131350	45772	8031
15:26	ZZZZZZ	2605	127070	45384	7560
15:32	ZZZZZZ	2743	132000	46387	8004
15:38	ZZZZZZ	2684	129100	45459	7777
15:45	MA25275-CCV5	2778	132430	46082	7835
15:51	MA25275-CCB6	2902	136400	47129	8643
15:57	ZZZZZZ	2685	130920	46091	7899
16:03	ZZZZZZ	2741	131990	46192	8122
16:09	ZZZZZZ	2754	132080	45175	8166
16:15	ZZZZZZ	2682	130050	45675	7847
16:21	ZZZZZZ	2758	130540	45713	8190
16:27	ZZZZZZ	2711	130630	45787	7974
16:34	MA25275-ICSA2	2519	120460	43040	6570
16:40	MA25275-ICSAB2	2497	117520	43032	6514
16:46	MA25275-CCV6	2778	132740	45407	7823
16:52	MA25275-CCB7	2896	136570	46060	8632
16:58	MP55421-MB1	2858	139070	46646	8615
17:05	MP55421-B1	2792	132650	46054	8133
17:11	MP55421-S1	2904	138890	47871	7678
17:17	MP55421-S2	2901	138520	48218	7644
17:23	JA59211-1	2945	142490	48635	7983
17:29	MP55421-SD1	2913	138860	46916	8484

11.11
11

INTERNAL STANDARD SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:35	ZZZZZZ	2914	140880	48096	7930
17:42	ZZZZZZ	2942	141360	48930	7952
17:48	ZZZZZZ	2944	141880	48601	8035
17:54	ZZZZZZ	2917	141360	48030	7940
18:00	MA25275-CCV7	2784	132420	45016	7845
18:06	MA25275-CCB8	2905	138190	45664	8657
18:13	MA25275-CRIB2	2918	137670	46022	8550
18:19	ZZZZZZ	2907	138430	46112	8639
18:25	ZZZZZZ	2900	134250	45607	8490
18:31	ZZZZZZ	2923	137870	45791	8670
18:37	MA25275-CCV8	2795	133460	45151	7865
18:43	MA25275-CCB9	2926	137850	45710	8688
18:50	ZZZZZZ	2708	133160	45504	7181
18:56	ZZZZZZ	2830	135080	45453	8471
19:02	ZZZZZZ	2882	135160	45551	8584
19:08	ZZZZZZ	2674	128850	44118	7771
19:14	ZZZZZZ	2900	138620	46011	8658
19:21	ZZZZZZ	2716	130720	44734	7936
19:27	ZZZZZZ	2750	131400	44652	7951
19:33	ZZZZZZ	2832	134480	45232	8433
19:39	ZZZZZZ	2925	140570	46557	7986
19:45	MA25275-CCV9	2811	131720	44525	7877
19:51	MA25275-CCB10	2921	137820	45256	8660
19:58	ZZZZZZ	2826	137300	45871	7977
20:04	ZZZZZZ	2906	139000	48093	7583
20:10	ZZZZZZ	2902	135530	46604	8089
20:16	ZZZZZZ	2921	137020	46024	8189
20:22	ZZZZZZ	2881	135020	45784	8123
20:28	ZZZZZZ	2866	131870	45897	7820
20:34	ZZZZZZ	2814	131330	45071	7689
20:41	ZZZZZZ	2895	136300	44609	8077
20:47	ZZZZZZ	2841	133380	45163	7878
20:53	MP55421-LC1	2874	134200	45121	7967

11.1.1


INTERNAL STANDARD SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb,As,Ba,Be,B,Cd,Cr,Co,Cu,Pb,Mn,Ni,Se,Ag,Tl,Sn,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:59	MA25275-CCV10	2816	131870	44195	7862
21:05	MA25275-CCB11	2938	136420	45173	8685
21:11	ZZZZZZ	2954	137360	45453	8322
21:17	ZZZZZZ	2951	137250	45498	8308
21:23	ZZZZZZ	2952	135970	45577	8278
21:29	ZZZZZZ	2768	134100	45156	7462
21:35	ZZZZZZ	2794	134030	44996	7527
21:42	MP55422-MB1	2925	137850	45294	8716
21:48	MP55422-B1	2874	132260	44278	8242
21:54	MP55422-S1	2906	134760	45081	7916
22:00	MP55422-S2	2908	135490	44277	7891
22:06	MA25275-CCV11	2864	132500	43651	7958
22:12	MA25275-CCB12	2983	137090	44421	8764
22:19	JA58750-11	2960	138910	45927	8281
22:25	MP55422-SD1	2972	137820	44657	8644
22:31	JA58750-1	2954	138130	45504	8199
22:37	JA58750-2	2961	138880	45820	8328
22:43	JA58750-3	2961	138930	45836	8418
22:49	JA58750-4	2961	137800	45436	8344
22:55	JA58750-5	2964	139420	45638	8308
23:02	JA58750-6	2975	138570	45749	8370
23:08	JA58750-7	2968	138890	45478	8313
23:14	JA58750-8	2968	139950	45529	8485
23:20	MA25275-CCV12	2858	132030	43689	7948
23:26	MA25275-CCB13	2984	137750	44213	8782
23:33	JA58750-9	2972	139100	45747	8243
23:39	JA58750-10	2988	139760	45300	8377
23:45	JA58750-12	2985	138780	45467	8336
23:51	JA58750-13	2978	139120	45207	8314
23:58	JA58750-14	2965	139080	45207	8309
00:04	JA58750-15	2962	138910	45523	8313
00:10	JA58750-16	2949	138460	45029	8249
00:16	JA58750-17	2969	139100	45266	8284

11.1.1
11

INTERNAL STANDARD SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 Analyst: GT Run ID: MA25275
 Parameters: Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, Sn, V, Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:23	JA58750-18	3005	139010	45026	8429
00:29	MA25275-CCV13	2850	131910	43087	7923
00:35	MA25275-CCB14	2992	136670	44383	8785
00:41	MA25275-CRIB3	2970	137130	44098	8585
00:47	ZZZZZZ	2992	137370	43958	8650
00:53	MA25275-ICSA3	2596	121360	40334	6682
01:00	MA25275-ICSAB3	2594	121200	40707	6651
01:06	MA25275-CCV14	2906	132760	42871	8045
01:12	MA25275-CCB15	3017	138450	44141	8847
01:18	ZZZZZZ	3004	137630	43788	8843
01:24	ZZZZZZ	3021	138550	42956	8861
01:30	ZZZZZZ	3054	138150	43596	8866
01:37	ZZZZZZ	2979	136300	43121	8591
01:43	ZZZZZZ	2773	128680	41774	7774
01:49	ZZZZZZ	3104	132930	43830	8193
01:55	ZZZZZZ	2976	138750	45015	7752
02:02	ZZZZZZ	3027	138900	43438	8821
02:08	ZZZZZZ	3020	137990	43655	8677
02:14	ZZZZZZ	3023	138260	43719	8837
02:20	ZZZZZZ	3015	139640	43425	8823
02:26	ZZZZZZ	3019	138950	43946	8829
02:32	ZZZZZZ	3026	138530	43459	8846

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

11.1.1


BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA25275 Units: ug/l

Metal	Time:		11:35		11:52		12:15		13:23		
	Sample ID:	RL	IDL	ICB1	ICB1	CCB2	CCB2	CCB3	CCB3	CCB4	CCB4
			raw	final	raw	final	raw	final	raw	final	
Aluminum		200	2.5	anr							
Antimony		6.0	1.2	-0.50	<6.0	0.20	<6.0	0.0	<6.0	0.0	<500
Arsenic		3.0	1.2	0.70	<3.0	0.60	<3.0	0.50	<3.0	0.60	<500
Barium		200	.2	0.0	<200	0.10	<200	0.20	<200	0.10	<1000
Beryllium		1.0	.2	0.0	<1.0	0.10	<1.0	0.20	<1.0	0.10	<5.0
Boron		100	.8	0.70	<100	1.4	<100	1.1	<100	0.70	<100
Cadmium		3.0	.2	0.10	<3.0	0.10	<3.0	0.10	<3.0	0.0	<5.0
Calcium		5000	11	anr							
Chromium		10	.3	-0.30	<10	-0.20	<10	0.10	<10	-0.10	<10
Cobalt		50	.3	0.0	<50	-0.10	<50	0.0	<50	0.10	<50
Copper		10	.3	0.40	<10	0.10	<10	0.30	<10	0.10	<25
Iron		100	2								
Lead		3.0	.9	-0.40	<3.0	-0.30	<3.0	0.0	<3.0	-0.70	<500
Magnesium		5000	13								
Manganese		15	.2	0.0	<15	0.10	<15	0.20	<15	0.10	<15
Molybdenum		20	.7								
Nickel		10	.3	0.0	<10	0.0	<10	0.0	<10	0.10	<40
Palladium		50	1.1								
Potassium		10000	15								
Selenium		10	1.6	1.8	<10	0.40	<10	0.80	<10	1.3	<500
Silicon		200	5.2								
Silver		10	.3	-0.20	<10	0.0	<10	0.0	<10	0.0	<10
Sodium		10000	7.9								
Strontium		10	.1								
Thallium		2.0	1.3	1.1	<2.0	1.5	<2.0	2.2	* (a)	1.4	<500
Tin		10	.3	-0.10	<10	-0.10	<10	0.10	<10	0.30	<10
Titanium		10	.3	anr							
Tungsten		50	11								
Vanadium		50	.2	-0.10	<50	0.0	<50	0.30	<50	0.0	<50
Zinc		20	2.8	-0.20	<20	-0.10	<20	-0.10	<20	-0.20	<20
Zirconium		10	.5								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

11.12
11

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP
QC Limits: result < RL

Date Analyzed: 11/01/10
Run ID: MA25275

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Time:			14:37			15:51			16:52			18:06
Sample ID:	RL	IDL	CCB5	raw	final	CCB6	raw	final	CCB7	raw	final	CCB8
Metal			raw			raw			raw			raw
Aluminum	200	2.5	anr									
Antimony	6.0	1.2	0.20	<6.0	0.10	<6.0	-0.30	<6.0	0.0	<6.0		
Arsenic	3.0	1.2	0.90	<3.0	0.60	<3.0	0.50	<3.0	0.50	<3.0		
Barium	200	.2	0.30	<200	0.30	<200	0.30	<200	0.40	<200		
Beryllium	1.0	.2	0.30	<1.0	0.30	<1.0	0.20	<1.0	0.40	<1.0		
Boron	100	.8	1.0	<100	1.2	<100	0.80	<100	1.2	<100		
Cadmium	3.0	.2	0.10	<3.0	0.10	<3.0	0.10	<3.0	0.10	<3.0		
Calcium	5000	11	anr									
Chromium	10	.3	0.30	<10	0.20	<10	0.20	<10	0.0	<10		
Cobalt	50	.3	0.0	<50	0.0	<50	0.0	<50	0.10	<50		
Copper	10	.3	0.10	<10	0.30	<10	0.0	<10	0.0	<10		
Iron	100	2										
Lead	3.0	.9	-0.10	<3.0	-0.50	<3.0	-0.30	<3.0	-0.10	<3.0		
Magnesium	5000	13										
Manganese	15	.2	0.30	<15	0.40	<15	0.20	<15	0.70	<15		
Molybdenum	20	.7										
Nickel	10	.3	0.0	<10	0.20	<10	-0.10	<10	0.0	<10		
Palladium	50	1.1										
Potassium	10000	15										
Selenium	10	1.6	0.70	<10	0.60	<10	0.60	<10	0.40	<10		
Silicon	200	5.2										
Silver	10	.3	0.0	<10	0.0	<10	0.10	<10	0.0	<10		
Sodium	10000	7.9										
Strontium	10	.1										
Thallium	2.0	1.3	1.5	<2.0	1.4	<2.0	1.6	<2.0	1.5	<2.0		
Tin	10	.3	0.10	<10	0.0	<10	-0.10	<10	0.0	<10		
Titanium	10	.3	anr									
Tungsten	50	11										
Vanadium	50	.2	0.30	<50	0.20	<50	0.10	<50	0.20	<50		
Zinc	20	2.8	0.0	<20	0.20	<20	-0.10	<20	-0.10	<20		
Zirconium	10	.5										

(*) Outside of QC limits
(anr) Analyte not requested

11.1.2
11

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 QC Limits: result < RL Run ID: MA25275 Units: ug/l

Metal	Time:		18:43		19:51		21:05		22:12		
	Sample ID:	RL	IDL	CCB9	final	CCB10	final	CCB11	final	CCB12	final
Aluminum		200	2.5	anr							
Antimony		6.0	1.2	0.20	<6.0	0.0	<6.0	0.50	<6.0	0.70	<6.0
Arsenic		3.0	1.2	0.70	<3.0	0.60	<3.0	0.30	<3.0	0.50	<3.0
Barium		200	.2	0.20	<200	0.40	<200	0.50	<200	0.30	<200
Beryllium		1.0	.2	0.30	<1.0	0.40	<1.0	0.50	<1.0	0.20	<1.0
Boron		100	.8	1.2	<100	1.4	<100	1.1	<100	1.6	<100
Cadmium		3.0	.2	0.10	<3.0	0.10	<3.0	0.20	<3.0	0.10	<3.0
Calcium		5000	11	anr							
Chromium		10	.3	0.10	<10	0.20	<10	0.40	<10	0.0	<10
Cobalt		50	.3	0.10	<50	0.10	<50	0.20	<50	0.0	<50
Copper		10	.3	0.10	<10	0.60	<10	0.80	<10	0.40	<10
Iron		100	2								
Lead		3.0	.9	-0.20	<3.0	-0.60	<3.0	-0.30	<3.0	-0.20	<3.0
Magnesium		5000	13								
Manganese		15	.2	0.10	<15	0.40	<15	0.50	<15	0.30	<15
Molybdenum		20	.7								
Nickel		10	.3	0.10	<10	0.0	<10	0.0	<10	-0.10	<10
Palladium		50	1.1								
Potassium		10000	15								
Selenium		10	1.6	0.0	<10	0.60	<10	0.70	<10	0.90	<10
Silicon		200	5.2								
Silver		10	.3	0.0	<10	-0.10	<10	0.10	<10	0.0	<10
Sodium		10000	7.9								
Strontium		10	.1								
Thallium		2.0	1.3	2.0	<2.0*(a)	2.1	* (a)	0.90	<2.0	1.7	<2.0
Tin		10	.3	0.0	<10	0.10	<10	0.20	<10	-0.20	<10
Titanium		10	.3	anr							
Tungsten		50	11								
Vanadium		50	.2	0.0	<50	0.30	<50	0.40	<50	0.10	<50
Zinc		20	2.8	-0.10	<20	0.10	<20	0.20	<20	0.20	<20
Zirconium		10	.5								

(*) Outside of QC limits
 (anr) Analyte not requested
 (a) Within RDL limits for soils. No aqueous samples reported for this element bracketed by this QC.

11.12
 11

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP
QC Limits: result < RL

Date Analyzed: 11/01/10
Run ID: MA25275

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Time: Sample ID:	23:26 CCB13	00:35 CCB14	01:12 CCB15						
Metal	RL	IDL	raw	final	raw	final	raw	final	
Aluminum	200	2.5	anr						
Antimony	6.0	1.2	-0.20	<6.0	0.30	<6.0	-0.20	<6.0	
Arsenic	3.0	1.2	0.70	<3.0	0.30	<3.0	0.80	<3.0	
Barium	200	.2	0.30	<200	0.30	<200	0.20	<200	
Beryllium	1.0	.2	0.30	<1.0	0.30	<1.0	0.20	<1.0	
Boron	100	.8	1.1	<100	1.0	<100	0.90	<100	
Cadmium	3.0	.2	0.10	<3.0	0.20	<3.0	0.40	<3.0	
Calcium	5000	11	anr						
Chromium	10	.3	0.30	<10	0.20	<10	0.30	<10	
Cobalt	50	.3	0.10	<50	0.20	<50	0.20	<50	
Copper	10	.3	0.50	<10	0.50	<10	0.50	<10	
Iron	100	2							
Lead	3.0	.9	-0.20	<3.0	0.0	<3.0	-0.10	<3.0	
Magnesium	5000	13							
Manganese	15	.2	0.40	<15	0.40	<15	0.30	<15	
Molybdenum	20	.7							
Nickel	10	.3	0.10	<10	0.20	<10	0.20	<10	
Palladium	50	1.1							
Potassium	10000	15							
Selenium	10	1.6	0.50	<10	1.0	<10	1.0	<10	
Silicon	200	5.2							
Silver	10	.3	-0.10	<10	0.0	<10	0.0	<10	
Sodium	10000	7.9							
Strontium	10	.1							
Thallium	2.0	1.3	1.3	<2.0	1.3	<2.0	2.1	* (a)	
Tin	10	.3	0.10	<10	-0.10	<10	0.0	<10	
Titanium	10	.3	anr						
Tungsten	50	11							
Vanadium	50	.2	0.40	<50	0.20	<50	0.20	<50	
Zinc	20	2.8	0.0	<20	0.10	<20	0.10	<20	
Zirconium	10	.5							

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

11.12
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Time:	11:42		
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Aluminum	anr		
Antimony	2000	1950	97.5
Arsenic	2000	1960	98.0
Barium	2000	1990	99.5
Beryllium	2000	2050	102.5
Boron	2000	1970	98.5
Cadmium	2000	1970	98.5
Calcium	anr		
Chromium	2000	2010	100.5
Cobalt	2000	2000	100.0
Copper	2000	1940	97.0
Iron			
Lead	2000	1960	98.0
Magnesium			
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	1970	98.5
Palladium			
Potassium			
Selenium	2000	1960	98.0
Silicon			
Silver	250	245	98.0
Sodium			
Strontium			
Thallium	2000	2000	100.0
Tin	2000	2020	101.0
Titanium	anr		
Tungsten			
Vanadium	2000	1990	99.5
Zinc	2000	2010	100.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

11.13
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Metal	Sample ID:	Time:	11:22		12:09		13:17		
		ICV	ICV1	CCV	CCV2	CCV	CCV3		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	1000	953	95.3	2000	1950	97.5	2000	1950	97.5
Arsenic	1000	953	95.3	2000	1970	98.5	2000	1970	98.5
Barium	1000	1010	101.0	2000	1990	99.5	2000	1980	99.0
Beryllium	1000	1010	101.0	2000	2060	103.0	2000	2040	102.0
Boron	1000	985	98.5	2000	1970	98.5	2000	1970	98.5
Cadmium	1000	954	95.4	2000	1990	99.5	2000	1990	99.5
Calcium	anr								
Chromium	1000	1010	101.0	2000	2000	100.0	2000	2000	100.0
Cobalt	1000	996	99.6	2000	2010	100.5	2000	2010	100.5
Copper	1000	1010	101.0	2000	1910	95.5	2000	1930	96.5
Iron									
Lead	1000	959	95.9	2000	1960	98.0	2000	1960	98.0
Magnesium									
Manganese	1000	1020	102.0	2000	2000	100.0	2000	2010	100.5
Molybdenum									
Nickel	1000	960	96.0	2000	1990	99.5	2000	1990	99.5
Palladium									
Potassium									
Selenium	1000	949	94.9*(a)	2000	1960	98.0	2000	1960	98.0
Silicon									
Silver	500	501	100.2	250	243	97.2	250	244	97.6
Sodium									
Strontium									
Thallium	1000	972	97.2	2000	2020	101.0	2000	2020	101.0
Tin	1000	981	98.1	2000	2030	101.5	2000	2030	101.5
Titanium	anr								
Tungsten									
Vanadium	1000	935	93.5*(a)	2000	1980	99.0	2000	1990	99.5
Zinc	1000	1000	100.0	2000	2020	101.0	2000	2020	101.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

11.1.4
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Metal	Sample ID:	Time: 14:31			Time: 15:45			Time: 16:46		
		CCV	CCV4	CCV	CCV5	CCV	CCV6	Results	% Rec	
Aluminum	anr									
Antimony	2000	1980	99.0	2000	1970	98.5	2000	1970	98.5	
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0	
Barium	2000	2000	100.0	2000	1990	99.5	2000	2010	100.5	
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2070	103.5	
Boron	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5	
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0	
Calcium	anr									
Chromium	2000	1970	98.5	2000	2010	100.5	2000	2010	100.5	
Cobalt	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5	
Copper	2000	1910	95.5	2000	1950	97.5	2000	1930	96.5	
Iron										
Lead	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0	
Magnesium										
Manganese	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0	
Molybdenum										
Nickel	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5	
Palladium										
Potassium										
Selenium	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0	
Silicon										
Silver	250	242	96.8	250	246	98.4	250	245	98.0	
Sodium										
Strontium										
Thallium	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0	
Tin	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5	
Titanium	anr									
Tungsten										
Vanadium	2000	1990	99.5	2000	2010	100.5	2000	2000	100.0	
Zinc	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0	
Zirconium										

(*) Outside of QC limits
(anr) Analyte not requested

11.1.4
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Time:	18:00	18:37	19:45							
Sample ID:	CCV	CCV7	CCV	CCV	CCV8	CCV	CCV9			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec	
Aluminum	anr									
Antimony	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5	
Arsenic	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0	
Barium	2000	2010	100.5	2000	1980	99.0	2000	2020	101.0	
Beryllium	2000	2070	103.5	2000	2040	102.0	2000	2060	103.0	
Boron	2000	1990	99.5	2000	1980	99.0	2000	1990	99.5	
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5	
Calcium	anr									
Chromium	2000	2020	101.0	2000	2000	100.0	2000	2040	102.0	
Cobalt	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5	
Copper	2000	1950	97.5	2000	1920	96.0	2000	1970	98.5	
Iron										
Lead	2000	1980	99.0	2000	1980	99.0	2000	1990	99.5	
Magnesium										
Manganese	2000	2030	101.5	2000	2020	101.0	2000	2060	103.0	
Molybdenum										
Nickel	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5	
Palladium										
Potassium										
Selenium	2000	1980	99.0	2000	1970	98.5	2000	1970	98.5	
Silicon										
Silver	250	246	98.4	250	245	98.0	250	250	100.0	
Sodium										
Strontium										
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0	
Tin	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5	
Titanium	anr									
Tungsten										
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2040	102.0	
Zinc	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0	
Zirconium										

(*) Outside of QC limits
(anr) Analyte not requested

11.1.4
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Metal	Sample ID:	Time: 20:59		Time: 22:06		Time: 23:20				
		CCV	CCV10	CCV	CCV11	CCV	CCV12			
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum		anr								
Antimony	2000		1980	99.0	2000	1960	98.0	2000	1980	99.0
Arsenic	2000		1980	99.0	2000	1970	98.5	2000	1980	99.0
Barium	2000		2020	101.0	2000	2040	102.0	2000	2030	101.5
Beryllium	2000		2070	103.5	2000	2100	105.0	2000	2090	104.5
Boron	2000		2000	100.0	2000	1990	99.5	2000	2000	100.0
Cadmium	2000		2010	100.5	2000	2010	100.5	2000	2030	101.5
Calcium		anr								
Chromium	2000		2060	103.0	2000	2070	103.5	2000	2080	104.0
Cobalt	2000		2030	101.5	2000	2030	101.5	2000	2050	102.5
Copper	2000		1970	98.5	2000	1970	98.5	2000	1990	99.5
Iron										
Lead	2000		2010	100.5	2000	2020	101.0	2000	2040	102.0
Magnesium										
Manganese	2000		2080	104.0	2000	2090	104.5	2000	2110	105.5
Molybdenum										
Nickel	2000		2010	100.5	2000	2030	101.5	2000	2040	102.0
Palladium										
Potassium										
Selenium	2000		1980	99.0	2000	1960	98.0	2000	1970	98.5
Silicon										
Silver	250		252	100.8	250	252	100.8	250	255	102.0
Sodium										
Strontium										
Thallium	2000		2040	102.0	2000	2050	102.5	2000	2060	103.0
Tin	2000		2050	102.5	2000	2060	103.0	2000	2070	103.5
Titanium		anr								
Tungsten										
Vanadium	2000		2070	103.5	2000	2070	103.5	2000	2100	105.0
Zinc	2000		2070	103.5	2000	2090	104.5	2000	2110	105.5
Zirconium										

(*) Outside of QC limits
(anr) Analyte not requested

11.14
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA25275 Units: ug/l

Time:	00:29			01:06		
Sample ID:	CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	2000	2000	100.0	2000	1970	98.5
Arsenic	2000	2000	100.0	2000	1980	99.0
Barium	2000	2070	103.5	2000	2070	103.5
Beryllium	2000	2120	106.0	2000	2130	106.5
Boron	2000	2030	101.5	2000	2000	100.0
Cadmium	2000	2050	102.5	2000	2030	101.5
Calcium	anr					
Chromium	2000	2100	105.0	2000	2120	106.0
Cobalt	2000	2070	103.5	2000	2050	102.5
Copper	2000	2010	100.5	2000	2010	100.5
Iron						
Lead	2000	2060	103.0	2000	2050	102.5
Magnesium						
Manganese	2000	2130	106.5	2000	2150	107.5
Molybdenum						
Nickel	2000	2070	103.5	2000	2060	103.0
Palladium						
Potassium						
Selenium	2000	1990	99.5	2000	1970	98.5
Silicon						
Silver	250	256	102.4	250	258	103.2
Sodium						
Strontium						
Thallium	2000	2080	104.0	2000	2080	104.0
Tin	2000	2090	104.5	2000	2070	103.5
Titanium	anr					
Tungsten						
Vanadium	2000	2110	105.5	2000	2130	106.5
Zinc	2000	2130	106.5	2000	2120	106.0
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

11.1.4
11

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 QC Limits: 50 to 150 % Recovery Run ID: MA25275 Units: ug/l

Time:					11:15	
Sample ID:	CRI	CRIA	CRID	CRID1	Results	% Rec
Metal	True	True	True			
Aluminum			100	anr		
Antimony	120		3.0	2.9	96.7	
Arsenic	20	3.0	3.0	2.9	96.7	
Barium	400		4.0	3.9	97.5	
Beryllium	10	1.0	1.0	1.0	100.0	
Boron			10	10.7	107.0	
Cadmium	10		1.0	1.1	110.0	
Calcium			1000	anr		
Chromium	20		2.0	1.5	75.0	
Cobalt	100		3.0	2.5	83.3	
Copper	50		2.0	2.5	125.0	
Iron						
Lead	6.0		2.5	2.0	80.0	
Magnesium			100			
Manganese	30		3.0	3.2	106.7	
Molybdenum	40					
Nickel	80		4.0	4.3	107.5	
Palladium	100					
Potassium			2000			
Selenium	10		5.0	5.7	114.0	
Silicon						
Silver	20		1.0	1.0	100.0	
Sodium			1000			
Strontium						
Thallium	20	2.0	2.0	2.5	125.0	
Tin						
Titanium						
Tungsten	50					
Vanadium	100		2.0	1.9	95.0	
Zinc	40		10	11.0	110.0	
Zirconium	10	10	5.0			

(*) Outside of QC limits
 (anr) Analyte not requested

11.15
 11

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
 QC Limits: 50 to 150 % Recovery Run ID: MA25275 Units: ug/l

Time:	11:09	18:13	00:41				
Sample ID:	CRIB	CRIB1	CRIB2	CRIB3			
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200						
Antimony	6.0	5.5	91.7	5.9	98.3	6.0	100.0
Arsenic	8.0	8.0	100.0	8.6	107.5	8.2	102.5
Barium	200	201	100.5	201	100.5	205	102.5
Beryllium	2.0	2.1	105.0	2.1	105.0	2.1	105.0
Boron	100	101	101.0	100	100.0	101	101.0
Cadmium	3.0	2.9	96.7	2.9	96.7	3.0	100.0
Calcium	5000						
Chromium	10	10.2	102.0	10.2	102.0	10.6	106.0
Cobalt	50	51.6	103.2	52.7	105.4	53.1	106.2
Copper	10	10.0	100.0	9.3	93.0	9.8	98.0
Iron	100						
Lead	3.0	3.0	100.0	3.1	103.3	3.0	100.0
Magnesium	5000						
Manganese	15	16.4	109.3	16.6	110.7	17.1	114.0
Molybdenum	20						
Nickel	10	10.8	108.0	11.0	110.0	11.0	110.0
Palladium	50						
Potassium	10000						
Selenium	10	12.2	122.0	11.9	119.0	12.4	124.0
Silicon	200						
Silver	5.0	4.7	94.0	4.8	96.0	5.1	102.0
Sodium	10000						
Strontium	10						
Thallium	10	12.5	125.0	12.5	125.0	12.6	126.0
Tin	10	10.2	102.0	10.3	103.0	10.4	104.0
Titanium	10						
Tungsten	50						
Vanadium	50	48.4	96.8	48.4	96.8	50.0	100.0
Zinc	20	22.2	111.0	22.9	114.5	23.8	119.0
Zirconium	10						

(*) Outside of QC limits
 (anr) Analyte not requested

11.1.6
 11

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA25275 Units: ug/l

Time:	11:57	12:03	16:34	16:40						
Sample ID:	ICSA	ICSAB	ICSA1	ICSAB1	ICSA2	ICSAB2				
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	514000	102.8	511000	102.2	523000	104.6
Antimony		1000	-0.50		1070	107.0	-0.10		1090	109.0
Arsenic		1000	1.1		1070	107.0	0.50		1080	108.0
Barium		500	-4.0		533	106.6	-4.0		545	109.0
Beryllium		500	0.10		522	104.4	0.10		530	106.0
Boron			-0.90		-2.1		-1.7		-1.9	
Cadmium		1000	1.1		1090	109.0	1.0		1100	110.0
Calcium	400000	400000	390000	97.5	392000	98.0	393000	98.3	395000	98.8
Chromium		500	1.2		515	103.0	1.4		537	107.4
Cobalt		500	1.0		480	96.0	1.2		489	97.8
Copper		500	2.4		534	106.8	2.1		553	110.6
Iron	200000	200000	191000	95.5	192000	96.0	192000	96.0	195000	97.5
Lead		1000	0.50		996	99.6	-1.6		1010	101.0
Magnesium	500000	500000	547000	109.4	546000	109.2	555000	111.0	555000	111.0
Manganese		500	0.70		508	101.6	0.50		528	105.6
Molybdenum		500	3.6		513	102.6	3.2		522	104.4
Nickel		1000	-0.80		1010	101.0	-1.1		1030	103.0
Palladium		500	-11		559	111.8	-7.6		580	116.0
Potassium			21.0		-1.1		19.4		27.4	
Selenium		1000	1.7		1020	102.0	0.0		1040	104.0
Silicon			-8.2		-6.7		-7.8		-6.9	
Silver		1000	1.8		1130	113.0	1.3		1180	118.0
Sodium			465		466		493		490	
Strontium			0.70		0.70		0.70		0.70	
Thallium		1000	-1.9		1010	101.0	-2.2		1030	103.0
Tin			-7.2		-6.9		-7.4		-6.7	
Titanium			4.4		4.3		4.3		4.2	
Tungsten		500	57.9		551	110.2	40.5		547	109.4
Vanadium		500	2.2		475	95.0	2.3		493	98.6
Zinc		1000	0.0		939	93.9	0.20		956	95.6
Zirconium		500	1.4		517	103.4	0.90		539	107.8

(*) Outside of QC limits
(anz) Analyte not requested

11.17
11

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: SA110110M1.ICP Date Analyzed: 11/01/10 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA25275 Units: ug/l

Time:			00:53			01:00
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	529000	105.8	529000	105.8
Antimony		1000	0.0		1080	108.0
Arsenic		1000	1.5		1070	107.0
Barium		500	-4.0		550	110.0
Beryllium		500	0.10		536	107.2
Boron			-0.30		-2.7	
Cadmium		1000	0.80		1110	111.0
Calcium	400000	400000	410000	102.5	410000	102.5
Chromium		500	1.2		539	107.8
Cobalt		500	0.90		490	98.0
Copper		500	2.4		545	109.0
Iron	200000	200000	197000	98.5	198000	99.0
Lead		1000	-0.10		1040	104.0
Magnesium	500000	500000	573000	114.6	568000	113.6
Manganese		500	0.80		534	106.8
Molybdenum		500	3.6		521	104.2
Nickel		1000	-1.2		1040	104.0
Palladium		500	-12		565	113.0
Potassium			62.5		88.0	
Selenium		1000	3.8		1030	103.0
Silicon			-6.5		-7.2	
Silver		1000	2.1		1180	118.0
Sodium			470		478	
Strontium			0.50		0.50	
Thallium		1000	-1.1		1040	104.0
Tin			-6.6		-8.8	
Titanium			4.5		4.2	
Tungsten		500	44.4		549	109.8
Vanadium		500	1.8		496	99.2
Zinc		1000	0.70		987	98.7
Zirconium		500	1.1		534	106.8

(*) Outside of QC limits
(anr) Analyte not requested

11.1.7
11

Raw Data: MA25293
Prep Log: MA25293

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
Analyst: JF Run ID: MA25293
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:57	MA25293-STD1	1		R=0.999947, B=1.28183e-5, C=-1.54628e-1.
08:58	MA25293-STD2	1		STD02REP1
09:00	MA25293-STD3	1		STD03REP1
09:01	MA25293-STD4	1		STD04REP1
09:03	MA25293-STD5	1		STD05REP1
09:04	MA25293-STD6	1		STD06REP1
09:17	MA25293-ICV1	1		
09:19	MA25293-ICB1	1		
09:20	MA25293-CCV1	1		
09:21	MA25293-CCB1	1		
09:22	MA25293-CRI1	1		
09:23	MP55478-MB1	1		
09:25	MP55478-LC1	1		
10:13	MP55478-S1	1		
10:14	MP55478-S2	1		
10:15	JA58750-11	1		
10:16	JA58750-2	1		
10:18	JA58750-3	1		
10:19	JA58750-4	1		
10:20	JA58750-5	1		
10:22	MA25293-CCV2	1		
10:23	MA25293-CCB2	1		
10:24	JA58750-6	1		
10:26	JA58750-7	1		
10:27	JA58750-8	1		
10:29	JA58750-9	1		
10:30	JA58750-10	1		
10:32	JA58750-1	1		
10:33	JA58750-12	1		
10:34	JA58750-13	1		
10:36	JA58750-14	1		
10:37	JA58750-15	1		
10:38	MA25293-CCV3	1		

11.2
11

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
Analyst: JF Run ID: MA25293
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:40	MA25293-CCB3	1		
10:41	JA58750-16	1		
10:43	JA58750-17	1		
10:44	JA58750-18	1		
----->	Last reportable sample/prep for job JA58750			
10:45	ZZZZZZ	1		
10:47	ZZZZZZ	1		
10:48	MP55479-MB1	1		
10:49	MP55479-LC1	1		
10:51	MP55479-S1	1		Overrange.
10:52	MP55479-S2	1		Overrange.
10:53	JA59250-12	1		(sample used for QC only; not part of login JA58750)
10:55	MA25293-CCV4	1		
----->	Last reportable CCB for job JA58750			
10:57	MA25293-CCB4	1		
10:58	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:07	ZZZZZZ	10		
11:09	MP55479-S1	10		
11:12	MP55479-S1	20		
11:14	MP55479-S2	20		
11:15	MA25293-CCV5	1		
11:16	MA25293-CCB5	1		
11:17	JA59250-12	20		(sample used for QC only; not part of login JA58750)
11:20	ZZZZZZ	20		
11:22	ZZZZZZ	20		
11:24	ZZZZZZ	20		
11:26	ZZZZZZ	10		
11:35	ZZZZZZ	200		
11:36	ZZZZZZ	20		
11:38	ZZZZZZ	20		

11.2
11

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
Analyst: JF Run ID: MA25293
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:39	ZZZZZZ	20		
11:43	ZZZZZZ	10		
11:44	MA25293-CCV6	1		
11:46	MA25293-CCB6	1		
11:47	ZZZZZZ	10		
11:49	ZZZZZZ	10		
11:51	ZZZZZZ	10		
11:52	ZZZZZZ	10		
11:53	ZZZZZZ	10		
11:55	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:58	ZZZZZZ	1		
11:59	ZZZZZZ	20		
12:01	ZZZZZZ	1		
12:02	MA25293-CCV7	1		
12:03	MA25293-CCB7	1		
12:05	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:08	ZZZZZZ	10		
12:10	ZZZZZZ	2		
12:11	MA25293-CCV8	1		
12:12	MA25293-CCB8	1		

Refer to raw data for calibration curve and standards.

11.2
11

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
 QC Limits: result < RL Run ID: MA25293 Units: ug/l

Time:	09:19	09:21	10:23	10:40						
Sample ID:	ICB1	CCB1	CCB2	CCB3						
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.085	-0.042	<0.20	-0.049	<0.20	-0.035	<0.20	-0.059	<0.20

(*) Outside of QC limits
 (anr) Analyte not requested

11.2.1
 11

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1:PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA25293 Units: ug/l

Time:			10:57	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final

Mercury 0.20 .085 -0.058 <0.20

(*) Outside of QC limits
(anr) Analyte not requested

11.2.1
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA25293 Units: ug/l

	Time:	09:17		09:20		10:22			
Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	2.5	2.5	100.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

11.2.2
11

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA25293 Units: ug/l

	Time:	10:38		10:55		
	Sample ID:	CCV	CCV3	CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.2	88.0

(*) Outside of QC limits
(anr) Analyte not requested

11.2.2
11

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

File ID: H21105S1.PRN Date Analyzed: 11/05/10 Methods: SW846 7471A
QC Limits: 50 to 150 % Recovery Run ID: MA25293 Units: ug/l

Time:			09:22	
Sample ID:	CRI	CRIA	CR11	
Metal	True	True	Results	% Rec
Mercury	0.20		0.18	90.0

(*) Outside of QC limits
(anr) Analyte not requested

11.2.3
11

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/01/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	.25	1.5		
Antimony	2.0	.12	.35	0.010	<2.0
Arsenic	2.0	.12	.21	0.27	<2.0
Barium	20	.02	.036	0.25	<20
Beryllium	0.20	.02	.017	0.0	<0.20
Boron	10	.08	.2	0.040	<10
Cadmium	0.50	.02	.022	0.0	<0.50
Calcium	500	1.1	.68		
Chromium	1.0	.03	.059	-0.020	<1.0
Cobalt	5.0	.03	.035	0.080	<5.0
Copper	2.5	.03	.074	0.14	<2.5
Iron	10	.2	1.8		
Lead	2.0	.09	.11	0.070	<2.0
Magnesium	500	1.3	1.2		
Manganese	1.5	.02	.041	0.34	<1.5
Molybdenum	2.0	.07	.24		
Nickel	4.0	.03	.07	0.060	<4.0
Palladium	5.0	.11	.26		
Potassium	1000	1.5	1.8		
Selenium	2.0	.16	.32	0.17	<2.0
Silicon	20	.52	1.5		
Silver	0.50	.03	.054	-0.010	<0.50
Sodium	1000	.79	1.4		
Strontium	1.0	.01	.017		
Thallium	1.0	.13	.17	0.46	<1.0
Tin	5.0	.03	.38	0.37	<5.0
Titanium	1.0	.03	.1		
Tungsten	5.0	1.1	1.1		
Vanadium	5.0	.02	.046	0.010	<5.0
Zinc	2.0	.28	.21	0.15	<2.0
Zirconium	2.0	.05	.61		

Associated samples MP55422: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

11.3.1
11

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

11.3.1
11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/01/10

Metal	JA58750-11 Original MS	Spikelot MPIO54	% Rec	QC Limits
Aluminum				
Antimony	0.0	75.8	123	61.5N(a) 75-125
Arsenic	3.1	435	493	87.6 75-125
Barium	25.5	490	493	94.2 75-125
Beryllium	0.33	12.0	12.3	94.7 75-125
Boron	0.97	106	123	85.2 75-125
Cadmium	0.070	11.2	12.3	90.3 75-125
Calcium				
Chromium	7.8	55.8	49.3	97.4 75-125
Cobalt	6.7	119	123	91.1 75-125
Copper	14.3	69.9	61.6	90.3 75-125
Iron				
Lead	8.9	121	123	91.0 75-125
Magnesium				
Manganese	486	595	123	88.5 75-125
Molybdenum				
Nickel	13.1	130	123	94.9 75-125
Palladium				
Potassium				
Selenium	0.60	419	493	84.9 75-125
Silicon				
Silver	0.0	11.7	12.3	95.0 75-125
Sodium				
Strontium				
Thallium	0.16	436	493	88.4 75-125
Tin	1.0	109	123	87.7 75-125
Titanium	anr			
Tungsten				
Vanadium	7.6	117	123	88.8 75-125
Zinc	36.1	152	123	94.1 75-125
Zirconium				

Associated samples MP55422: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

11.3.2
 11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

11.3.2
11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/01/10

Metal	JA58750-11 Original MSD	Spikelot MPIOS4	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony	0.0	80.3	121	66.2N(a) 5.8	20	
Arsenic	3.1	428	485	87.5	1.6	20
Barium	25.5	487	485	95.1	0.6	20
Beryllium	0.33	12.1	12.1	97.0	0.8	20
Boron	0.97	106	121	86.6	0.0	20
Cadmium	0.070	11.0	12.1	90.1	1.8	20
Calcium						
Chromium	7.8	55.6	48.5	98.5	0.4	20
Cobalt	6.7	118	121	91.7	0.8	20
Copper	14.3	70.1	60.7	92.0	0.3	20
Iron						
Lead	8.9	119	121	90.7	1.7	20
Magnesium						
Manganese	486	576	121	74.2 (b)	3.2	20
Molybdenum						
Nickel	13.1	129	121	95.5	0.8	20
Palladium						
Potassium						
Selenium	0.60	413	485	85.0	1.4	20
Silicon						
Silver	0.0	11.3	12.1	93.1	3.5	20
Sodium						
Strontium						
Thallium	0.16	426	485	87.7	2.3	20
Tin	1.0	107	121	87.4	1.9	20
Titanium	anr					
Tungsten						
Vanadium	7.6	116	121	89.3	0.9	20
Zinc	36.1	151	121	94.7	0.7	20
Zirconium						

Associated samples MP55422: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

11.3.2
11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- (b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

11.3.2

11

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 11/01/10

Metal	BSP Result	Spikelot MPIOS4	% Rec	QC Limits
Aluminum				
Antimony	95.1	100	95.1	80-120
Arsenic	372	400	93.0	80-120
Barium	396	400	99.0	80-120
Beryllium	10.1	10	101.0	80-120
Boron	94.1	100	94.1	80-120
Cadmium	9.6	10	96.0	80-120
Calcium				
Chromium	40.9	40	102.3	80-120
Cobalt	98.8	100	98.8	80-120
Copper	47.3	50	94.6	80-120
Iron				
Lead	94.2	100	94.2	80-120
Magnesium				
Manganese	104	100	104.0	80-120
Molybdenum				
Nickel	96.7	100	96.7	80-120
Palladium				
Potassium				
Selenium	361	400	90.3	80-120
Silicon				
Silver	10.0	10	100.0	80-120
Sodium				
Strontium				
Thallium	369	400	92.3	80-120
Tin	99.7	100	99.7	80-120
Titanium	anr			
Tungsten				
Vanadium	94.2	100	94.2	80-120
Zinc	99.5	100	99.5	80-120
Zirconium				

Associated samples MP55422: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

11.3.3
11

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

11.3.3
11

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 11/01/10

Metal	JA58750-11 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	26.8	25.9	3.4	0-10
Barium	219	222	1.1	0-10
Beryllium	2.80	2.90	3.6	0-10
Boron	8.30	8.60	3.6	0-10
Cadmium	0.600	0.00	100.0(a)	0-10
Calcium				
Chromium	67.5	69.6	3.1	0-10
Cobalt	57.8	58.6	1.4	0-10
Copper	123	125	2.0	0-10
Iron				
Lead	76.3	72.4	5.1	0-10
Magnesium				
Manganese	4180	4420	5.8	0-10
Molybdenum				
Nickel	113	111	2.2	0-10
Palladium				
Potassium				
Selenium	5.20	9.40	80.8 (a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	1.40	0.00	100.0(a)	0-10
Tin	8.70	8.70	0.0	0-10
Titanium	anr			
Tungsten				
Vanadium	65.2	66.8	2.5	0-10
Zinc	310	324	4.4	0-10
Zirconium				

Associated samples MP55422: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

11.3.4
11

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55422
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

11.3.4
11

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55478
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 11/03/10

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.014	.0098	-0.0055	<0.033

Associated samples MP55478: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

114.1
11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55478
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 11/03/10

Metal	JA58750-11 Original MS	Spikelot HGPWS1	% Rec	QC Limits	
Mercury	0.0	0.31	0.37	83.9	75-125

Associated samples MP55478: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

11.4.2
11

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA58750
 Account: ENSRMAA - AECOM, INC.
 Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55478
 Matrix Type: SOLID

Methods: SW846 7471A
 Units: mg/kg

Prep Date: 11/03/10

Metal	JA58750-11 Original MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit	
Mercury	0.0	0.30	0.345	87.1	3.3	20

Associated samples MP55478: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

11.4.2

11

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA58750
Account: ENSRMAA - AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

QC Batch ID: MP55478
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 11/03/10

Metal	LCS Result	Spikelot HGLCS66540% Rec	QC Limits
-------	---------------	-----------------------------	--------------

Mercury 2.9 2.96 98.0 68-133

Associated samples MP55478: JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

11.4.3
11

Instrument Detection Limits

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Instrument ID: LEEMANHG2	Effective Date: 03/16/10
---------------------------------	---------------------------------

Analyte	IDL ug/l
Mercury	.085

The above applies to the following instrument runs:
MA25293

11.5
11

Instrument Detection Limits

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Instrument ID: SSTRACE1	Effective Date: 09/03/10
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	2.5
Antimony	1.2
Arsenic	1.2
Barium	.2
Beryllium	.2
Boron	.8
Cadmium	.2
Calcium	10.9
Chromium	.3
Cobalt	.3
Copper	.3
Iron	2
Lead	.9
Magnesium	13
Manganese	.2
Molybdenum	.7
Nickel	.3
Palladium	1.1
Potassium	15
Selenium	1.6
Silicon	5.2
Silver	.3
Sodium	7.9
Strontium	.1
Thallium	1.3
Tin	.3
Titanium	.3
Tungsten	10.9
Vanadium	.2
Zinc	2.8
Zirconium	.5

The above applies to the following instrument runs:
MA25275

11.5
11

Instrument Linear Ranges

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Instrument ID: SSTRACE1	Effective Date: 09/03/10
-------------------------	--------------------------

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Strontium	10000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	50000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA25275

11.5
11



Metals Analysis

Raw Data

Sample Name: StdA Acquired: 11/1/2010 10:38:15 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.0004	.0005	-.0001	.0001	.0024	.0000	.0007	.0000
Stddev	.0000	.0001	.0001	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	1.662	18.08	13.47	88.53	11.84	.0129	5.429	6.221	101.7
#1	.0007	.0003	.0006	.0000	.0001	.0024	.0000	.0008	.0000
#2	.0007	.0004	.0005	-.0002	.0001	.0024	.0001	.0007	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0009	-.0001	-.0002	-.0001	.0004	-.0004	.0000	.0045
Stddev	.0000	.0001	.0000	.0000	.0000	.0000	.0000	.000	.0001
%RSD	4.369	6.729	41.83	1.223	36.08	11.22	2.723	851.1	1.235
#1	.0002	.0010	-.0001	-.0002	-.0001	.0004	-.0004	-.0001	.0045
#2	.0002	.0009	-.0001	-.0002	-.0002	.0003	-.0004	.0000	.0044

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0000	-.0001	.0010	.0002	.0002	-.0001	.0036	.0002
Stddev	.0000	.000	.0000	.0002	.0000	.0000	.0000	.0002	.0000
%RSD	8.693	53.76	12.22	17.86	5.861	16.81	18.63	4.647	11.88
#1	.0001	.0000	-.0001	.0009	.0002	.0002	-.0001	.0035	.0002
#2	.0001	.0000	-.0001	.0011	.0002	.0002	-.0001	.0038	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0031	-.0001	.0016	-.0001
Stddev	.0001	.0000	.0000	.0000
%RSD	2.370	3.954	.1741	16.31
#1	-.0030	-.0001	.0015	-.0001
#2	-.0031	-.0001	.0016	-.0002

Sample Name: StdA Acquired: 11/1/2010 10:38:15 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	139780.	48159.	2979.5	8702.4
Stddev	6777.	540.	46.3	73.2
%RSD	4.8486	1.1208	1.5523	.84164
#1	144570.	48540.	3012.2	8754.2
#2	134990.	47777.	2946.8	8650.7

Sample Name: STDB Acquired: 11/1/2010 10:44:24 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.771	2.658	1.219	1.191	0.783	.2871	.5143	3.118	.0167
Stddev	.008	.000	.002	.002	.0004	.0008	.0021	.0005	.0001
%RSD	.4764	.0113	.1394	.1287	.4903	.2892	.4069	.1486	.3314
#1	1.777	2.657	1.218	1.190	0.786	.2877	.5158	3.115	.0168
#2	1.765	2.658	1.220	1.192	0.781	.2866	.5128	3.121	.0167

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1305	.9498	.1898	.0454	.1311	.1285	.2561	.5437	1.234
Stddev	.0004	.0010	.0006	.0001	.0002	.0000	.0008	.0010	.004
%RSD	.2790	.1009	.3262	.2258	.1750	.0059	.2988	.1751	.3000
#1	.1308	.9491	.1893	.0453	.1310	.1285	.2556	.5444	1.232
#2	.1303	.9505	.1902	.0454	.1313	.1285	.2566	.5431	1.237

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9207	.1028	.3284	1.413	.3079	1.186	.0566	.6982	.2324
Stddev	.0004	.0001	.0015	.007	.0007	.001	.0002	.0009	.0009
%RSD	.0450	.0890	.4425	.4709	.2302	.1062	.4365	.1256	.3939
#1	.9204	.1028	.3295	1.418	.3074	1.186	.0568	.6976	.2317
#2	.9210	.1029	.3274	1.409	.3084	1.187	.0565	.6988	.2330

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.174	.1443	.5003	.3578
Stddev	.012	.0004	.0027	.0012
%RSD	.3680	.2864	.5398	.3220
#1	3.182	.1446	.4984	.3587
#2	3.166	.1440	.5022	.3570

Sample Name: STDB Acquired: 11/1/2010 10:44:24 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132490.	48165.	2806.1	8041.3
Stddev	257.	80.	5.3	14.8
%RSD	.19431	.16650	.18843	.18432
#1	132310.	48222.	2809.8	8051.8
#2	132670.	48108.	2802.3	8030.8

Sample Name: STDC Acquired: 11/1/2010 10:50:22 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.851	10.17	4.960	4.644	.3057	1.189	1.944	1.266	.0684
Stddev	.101	.11	.006	.006	.0018	.005	.001	.002	.0003
%RSD	1.480	1.036	.1310	.1362	.5882	.3936	.0417	.1478	.4118
#1	6.779	10.10	4.965	4.648	.3070	1.192	1.944	1.267	.0686
#2	6.923	10.25	4.956	4.640	.3044	1.185	1.945	1.265	.0682

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5145	3.680	.7776	.1793	.5330	.5258	1.049	2.205	4.824
Stddev	.0034	.008	.0015	.0006	.0015	.0000	.001	.018	.041
%RSD	.6637	.2073	.1941	.3553	.2740	.0025	.1030	.8409	.8582
#1	.5169	3.685	.7787	.1798	.5341	.5258	1.049	2.192	4.794
#2	.5121	3.674	.7766	.1788	.5320	.5258	1.048	2.218	4.853

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.546	4.188	1.325	5.577	1.234	4.712	2.334	2.859	.8994
Stddev	.026	.0032	.012	.050	.001	.006	.0011	.006	.0006
%RSD	.7472	.7531	.8746	.8987	.0398	.1367	.4693	.2241	.0687
#1	3.527	4.166	1.317	5.542	1.235	4.717	2.342	2.864	.8998
#2	3.565	4.211	1.333	5.613	1.234	4.708	2.327	2.855	.8990

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12.10	5728	2.046	1.420
Stddev	.14	.0038	.007	.008
%RSD	1.168	.6601	.3675	.5459
#1	12.00	5755	2.041	1.425
#2	12.20	5701	2.052	1.414

Sample Name: STDC Acquired: 11/1/2010 10:50:22 Type: Cal
 Method: Accutest1(v58) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	126310.	47332.	2631.9	7179.7
Stddev	438.	383.	.8	5.0
%RSD	.34709	.80826	.03025	.07018
#1	126000.	47602.	2631.3	7176.2
#2	126620.	47061.	2632.5	7183.3

Sample Name: CCV Acquired: 11/1/2010 10:56:50 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	2.017	1.967	1.988	1.977	1.954	2.009	1.949	.2442
Stddev	.004	.002	.002	.002	.003	.002	.003	.004	.0003
%RSD	.2234	.1066	.1075	.0871	.1251	.1227	.1261	.2239	.1425
#1	2.011	2.019	1.965	1.987	1.975	1.956	2.007	1.946	.2444
#2	2.004	2.016	1.968	1.990	1.978	1.953	2.011	1.952	.2440

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	1.989	1.965	1.988	1.951	1.974	1.961	40.39	40.65
Stddev	.004	.005	.003	.001	.005	.006	.001	.05	.02
%RSD	.2114	.2544	.1283	.0696	.2643	.2824	.0413	.1204	.0557
#1	2.000	1.985	1.964	1.987	1.947	1.970	1.960	40.43	40.63
#2	2.006	1.992	1.967	1.989	1.954	1.978	1.961	40.36	40.66

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.08	40.10	40.58	40.81	1.985	1.981	1.951	4.910	1.998
Stddev	.01	.03	.05	.05	.004	.004	.001	.002	.004
%RSD	.0323	.0730	.1232	.1311	.1980	.1950	.0414	.0316	.1881
#1	41.09	40.08	40.62	40.85	1.983	1.979	1.951	4.909	1.996
#2	41.07	40.12	40.55	40.77	1.988	1.984	1.950	4.911	2.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/1/2010 10:56:50 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.988	1.964	1.988	2.004
Stddev	.003	.003	.008	.002
%RSD	.1614	.1428	.4086	.0939
#1	1.990	1.962	1.983	2.002
#2	1.986	1.966	1.994	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	129540.	47820.	2717.9	7658.9
Stddev	1.	1.	4.3	23.0
%RSD	.00057	.00241	.15648	.30032
#1	129540.	47819.	2720.9	7675.2
#2	129540.	47821.	2714.9	7642.6

121
12

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 11:02:54 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0002	.0002	.0000	.0005	.0003	.0003	.0000
Stddev	.0000	.0000	.0001	.0002	.0002	.0000	.0001	.0002	.0000
%RSD	31.70	1.764	22.86	117.5	1815.	3.760	24.50	57.81	45.76
#1	.0002	.0002	.0003	.0003	-.0001	.0005	.0002	.0004	.0000
#2	.0001	.0002	.0002	.0000	.0001	.0005	.0003	.0002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0001	.0008	.0019	.0002	.0015	.0005	.0019	-.0014
Stddev	.0000	.0000	.0008	.0002	.0003	.0006	.0010	.0005	.0003
%RSD	5.704	26.39	104.0	8.513	199.3	38.06	224.5	25.96	24.95
#1	.0002	-.0001	.0013	.0018	-.0001	.0011	.0012	.0015	-.0016
#2	.0002	-.0001	.0002	.0020	.0004	.0019	-.0003	.0022	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	-.0002	.0059	.0108	.0018	.0009	.0008	.0015	.0002
Stddev	.0007	.0011	.0027	.0015	.0007	.0003	.0010	.0002	.0002
%RSD	26.38	555.0	46.12	13.82	40.92	28.25	124.6	11.76	109.5
#1	.0023	.0006	.0040	.0097	.0024	.0011	.0015	.0014	.0004
#2	.0034	-.0010	.0078	.0118	.0013	.0007	.0001	.0016	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Raw Data MA25275 page 9 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 11:02:54 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0271	.0011
Stddev	.0000	.0001	.0019	.0000
%RSD	.1037	18.71	7.158	4.532
#1	.0002	.0006	.0284	.0010
#2	.0002	.0005	.0257	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	133990.	48900.	2847.4	8451.4
Stddev	1640.	473.	5.3	6.1
%RSD	1.2237	.96729	.18472	.07204
#1	135150.	48566.	2843.7	8447.1
#2	132830.	49235.	2851.1	8455.7

Raw Data MA25275 page 10 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CRIB Acquired: 11/1/2010 11:09:06 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2011	.0021	.0029	.0516	.0102	.0100	.0164	.0108	.0047
Stddev	.0014	.0000	.0000	.0003	.0001	.0000	.0001	.0004	.0002
%RSD	.7183	.2203	.8441	4.933	1.453	.1109	.5598	3.315	3.916
#1	.2001	.0021	.0029	.0514	.0101	.0100	.0165	.0110	.0046
#2	.2022	.0021	.0030	.0518	.0103	.0101	.0164	.0105	.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	.0222	.0080	.0125	.0030	.0122	.0055	.1964	5.164
Stddev	.0001	.0001	.0001	.0009	.0001	.0007	.0003	.0002	.017
%RSD	.3011	.5887	1.572	7.320	2.749	6.144	5.757	.1130	.3310
#1	.0485	.0221	.0081	.0132	.0029	.0117	.0058	.1962	5.152
#2	.0483	.0223	.0079	.0119	.0030	.0127	.0053	.1965	5.176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1230	4.826	9.831	10.11	.1012	.0213	.0491	.2009	.0102
Stddev	.0009	.022	.097	.09	.0006	.0002	.0001	.0006	.0005
%RSD	.7515	.4537	.9818	.8898	.5677	.8181	.2819	.2907	4.779
#1	.1224	4.811	9.763	10.05	.1008	.0214	.0492	.2013	.0105
#2	.1237	4.842	9.899	10.17	.1016	.0212	.0490	.2005	.0098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Raw Data MA25275 page 11 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CRIB Acquired: 11/1/2010 11:09:06 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0108	.0101	.0681	F.0006
Stddev	.0001	.0001	.0004	.0001
%RSD	.9132	.9857	.6263	23.74
#1	.0107	.0102	.0684	.0007
#2	.0109	.0100	.0678	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				.2000 -50.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	133770.	48980.	2822.0	8276.3
Stddev	486.	157.	14.4	31.2
%RSD	.36337	.31965	.51002	.37695
#1	133420.	49091.	2832.1	8298.3
#2	134110.	48869.	2811.8	8254.2

Raw Data MA25275 page 12 of 187

12.1
12

Sample Name: CRID Acquired: 11/1/2010 11:15:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0010	.0011	.0025	.0015	.0025	.0032	.0043	.0010
Stddev	.0000	.0000	.0001	.0000	.0000	.0001	.0000	.0002	.0003
%RSD	.0396	2.328	7.273	.5427	11.83	3.727	1.309	4.367	29.58
#1	.0039	.0010	.0011	.0025	.0013	.0025	.0032	.0041	.0012
#2	.0039	.0011	.0010	.0026	.0016	.0024	.0033	.0044	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0110	.0029	.0025	.0020	.0057	.0029	.0960	.9969
Stddev	.0000	.0001	.0002	.0002	.0001	.0006	.0001	.0009	.0002
%RSD	1.019	.6144	7.387	9.477	6.557	11.19	4.785	.9658	.0152
#1	.0019	.0110	.0028	.0024	.0021	.0061	.0028	.0967	.9968
#2	.0019	.0111	.0031	.0027	.0019	.0052	.0030	.0954	.9970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	.0962	1.956	1.011	.0107	.0004	.0002	.0001	.0001
Stddev	.0005	.0003	.007	.003	.0000	.0001	.0002	.0001	.0002
%RSD	12.61	.2680	.3426	.2704	.3370	17.77	92.55	51.84	366.8
#1	.0034	.0960	1.952	1.013	.0107	.0004	.0001	.0001	-.0001
#2	.0040	.0964	1.961	1.009	.0107	.0003	.0003	.0002	.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Raw Data MA25275 page 13 of 187

Sample Name: CRID Acquired: 11/1/2010 11:15:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0000	.0001	F .0113	F .0003
Stddev	.000	.0000	.0005	.0000
%RSD	16.10	16.07	4.470	4.723
#1	.0000	.0001	.0117	.0003
#2	.0000	.0001	.0110	.0003
Check ?	None	None	Chk Fail	Chk Fail
Value			.0040	.0040
Range			50.00%	-50.00%
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	133740.	48610.	2822.6	8398.6
Stddev	139.	21.	1.2	12.4
%RSD	.10368	.04289	.04268	.14796
#1	133840.	48596.	2823.5	8407.4
#2	133640.	48625.	2821.8	8389.8

Raw Data MA25275 page 14 of 187

Sample Name: ICV Acquired: 11/1/2010 11:22:41 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.009	1.014	.9542	.9955	1.013	1.010	1.024	.9595	5.006
Stddev	.001	.003	.0014	.0011	.011	.006	.011	.0008	.0037
%RSD	.0950	.3188	.1452	.1135	1.083	.5963	1.060	.0869	.7372
#1	1.008	1.010	.9558	.9964	1.000	1.004	1.012	.9604	4.965
#2	1.009	1.016	.9536	.9958	1.021	1.015	1.032	.9591	5.037
#3	1.010	1.016	.9533	.9942	1.017	1.011	1.028	.9588	5.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .9349	1.0000	.9526	.9720	.9588	F .9491	.9531	4.850	4.873
Stddev	.0089	.0003	.0031	.0009	.0005	.0006	.0005	.013	.027
%RSD	.9496	.0281	.3219	.0919	.0482	.0674	.0551	.2669	.5464
#1	.9250	1.000	.9561	.9727	.9584	.9494	.9534	4.836	4.843
#2	.9422	1.000	.9508	.9710	.9587	.9496	.9525	4.851	4.881
#3	.9375	.9996	.9508	.9722	.9593	.9484	.9534	4.862	4.894
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	1.000					1.000			
Range	-5.000%					-5.000%			
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.057	5.000	9.712	9.958	9.852	.9775	.9541	1.038	.9812
Stddev	.021	.026	.039	.012	.0012	.0010	.0062	.002	.0008
%RSD	4.260	5.222	.4016	.1184	.1168	.1045	.6449	.2100	.0783
#1	5.033	4.971	9.690	9.949	9.861	.9787	.9477	1.039	.9818
#2	5.062	5.008	9.690	9.953	9.857	.9771	.9600	1.038	.9803
#3	5.075	5.022	9.757	9.971	9.839	.9768	.9545	1.035	.9814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Raw Data MA25275 page 15 of 187

Sample Name: ICV Acquired: 11/1/2010 11:22:41 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.025	.9713	1.016	.9852
Stddev	.001	.0084	.006	.0084
%RSD	.1138	.8641	.6211	.8560
#1	1.023	.9621	1.009	.9757
#2	1.025	.9785	1.017	.9918
#3	1.026	.9733	1.022	.9881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132760.	47797.	2853.7	8314.0
Stddev	829.	169.	7.8	19.7
%RSD	.62456	.35446	.27482	.23670
#1	133620.	47992.	2845.4	8292.1
#2	131970.	47712.	2854.8	8319.5
#3	132690.	47686.	2860.9	8330.3

Raw Data MA25275 page 16 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: ICB Acquired: 11/1/2010 11:35:16 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0001	.0000	-.0003	.0004	.0000	.0000	-.0002
Stddev	.0000	.0000	.0000	.0000	.0001	.0000	.0000	.0000	.0000
%RSD	138.5	16.86	.3505	40.22	36.27	11.31	12.46	794.4	7.135
#1	.0000	.0000	.0001	.0000	-.0004	.0004	.0000	-.0001	-.0002
#2	.0000	.0000	.0001	-.0001	-.0002	.0004	.0000	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0002	.0007	.0011	-.0004	.0018	-.0005	-.0013	-.0046
Stddev	.0003	.0001	.0005	.0010	.0001	.0001	.0001	.0021	.0004
%RSD	196.8	41.75	62.94	88.19	17.32	3.802	26.84	158.1	8.689
#1	.0001	-.0001	.0004	.0018	-.0004	.0018	-.0004	.0002	-.0049
#2	-.0003	-.0003	.0010	.0004	-.0005	.0017	-.0005	-.0028	-.0043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0014	-.0181	-.0064	.0007	.0003	.0009	.0006	-.0001
Stddev	.0007	.0092	.0003	.0020	.0001	.0002	.0001	.0003	.0003
%RSD	165.6	646.7	1.400	30.93	20.46	52.31	6.249	46.74	225.7
#1	-.0009	-.0079	-.0179	-.0050	.0008	.0002	.0008	.0009	.0001
#2	.0001	.0051	-.0183	-.0078	.0006	.0004	.0009	.0004	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA25275 page 17 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: ICB Acquired: 11/1/2010 11:35:16 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0141	.0005
Stddev	.0000	.0000	.0005	.0000
%RSD	9.876	518.1	3.576	2.811
#1	.0000	-.0002	.0145	.0005
#2	.0000	.0001	.0138	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132990.	48829.	2902.2	8591.2
Stddev	2039.	1322.	20.2	49.9
%RSD	1.5330	2.7070	.69735	.58090
#1	131550.	47895.	2916.5	8626.5
#2	134430.	49764.	2887.9	8555.9

Raw Data MA25275 page 18 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: ICCV Acquired: 11/1/2010 11:42:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.047	1.971	1.997	2.013	1.942	2.015	1.973	2.453
Stddev	.013	.013	.001	.001	.002	.004	.002	.001	.0010
%RSD	.6727	.6226	.0584	.0457	.1101	.2290	.0965	.0674	.3955
#1	1.986	2.050	1.972	1.998	2.011	1.947	2.013	1.973	2.460
#2	1.984	2.035	1.970	1.996	2.016	1.939	2.017	1.972	2.460
#3	2.013	2.064	1.971	1.997	2.013	1.943	2.015	1.975	2.454
#4	1.989	2.040	1.971	1.997	2.013	1.938	2.013	1.972	2.439

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	2.010	1.955	1.999	1.959	1.956	1.949	40.13	41.44
Stddev	.002	.001	.004	.001	.001	.003	.002	.27	.26
%RSD	.1224	.0653	.1861	.0678	.0490	.1309	.1057	.6606	.6317
#1	1.992	2.010	1.958	1.998	1.958	1.958	1.951	40.08	41.65
#2	1.994	2.008	1.954	2.000	1.958	1.958	1.951	39.88	41.14
#3	1.997	2.009	1.951	2.001	1.958	1.952	1.947	40.50	41.67
#4	1.993	2.011	1.958	1.998	1.960	1.956	1.947	40.04	41.29

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA25275 page 19 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: ICCV Acquired: 11/1/2010 11:42:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.51	41.16	40.20	40.40	1.970	1.993	1.947	4.911	2.016
Stddev	.25	.25	.28	.26	.003	.001	.003	.004	.004
%RSD	.6007	.6025	.6869	.6483	.1283	.0493	.1631	.0918	.1959
#1	41.61	41.35	40.08	40.32	1.971	1.995	1.951	4.917	2.022
#2	41.26	40.88	39.95	40.15	1.966	1.994	1.946	4.912	2.014
#3	41.81	41.40	40.59	40.77	1.970	1.992	1.947	4.910	2.013
#4	41.36	41.03	40.18	40.34	1.972	1.993	1.944	4.906	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.997	1.950	1.999	2.004
Stddev	.007	.003	.009	.001
%RSD	.3575	.1258	.4540	.0680
#1	2.002	1.947	1.989	2.004
#2	1.989	1.951	1.995	2.003
#3	2.004	1.953	2.003	2.005
#4	1.994	1.950	2.010	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA25275 page 20 of 187

12.1
12

Zoom In
Zoom Out

Sample Name: ICCV Acquired: 11/1/2010 11:42:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	130390.	46980.	2774.8	7798.3
Stddev	233.	246.	2.3	3.0
%RSD	.17853	.52389	.08181	.03909
#1	130090.	46831.	2771.7	7796.9
#2	130390.	47165.	2774.3	7795.6
#3	130430.	46712.	2776.2	7798.3
#4	130660.	47211.	2776.7	7802.6

Raw Data MA25275 page 21 of 187

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 11:52:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	.0001	-.0001	-.0002	.0001	.0001	.0000	.0000
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0000	.0001	.0002
%RSD	20.60	21.90	93.21	116.4	57.60	55.49	16.01	280.0	1460.
#1	.0001	.0001	.0001	.0000	-.0003	.0002	.0001	.0000	-.0001
#2	.0001	.0001	.0000	-.0001	-.0001	.0001	.0001	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0006	.0015	-.0003	.0004	.0002	-.0004	-.0064
Stddev	.000	.0000	.0004	.0001	.0006	.0004	.0006	.0010	.0002
%RSD	217.2	31.55	72.67	3.316	241.9	99.59	304.6	269.2	2.792
#1	.0000	-.0001	.0003	.0015	.0002	.0001	.0007	-.0011	-.0062
#2	-.0001	-.0001	.0009	.0016	-.0007	.0008	-.0002	.0003	-.0065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	-.0016	-.0021	.0029	.0014	.0009	.0011	.0013	-.0001
Stddev	.0006	.0054	.0067	.0048	.0003	.0001	.0005	.0000	.0004
%RSD	35.56	332.8	317.5	167.0	24.91	9.582	47.79	2.063	251.1
#1	.0012	.0022	-.0069	-.0005	.0016	.0009	.0007	.0013	.0001
#2	.0020	-.0054	.0026	.0063	.0011	.0008	.0015	.0013	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA25275 page 22 of 187

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 11:52:12 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Tl3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0253	.0008
Stddev	.0000	.0000	.0021	.0001
%RSD	6.340	15.47	8.168	6.380
#1	.0001	.0002	.0267	.0008
#2	.0001	.0002	.0238	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	135460.	48133.	2897.3	8607.7
Stddev	4.	92.	27.0	86.9
%RSD	.00322	.19072	.93309	1.0091
#1	135460.	48068.	2916.5	8669.1
#2	135470.	48198.	2878.2	8546.2

Raw Data MA25275 page 23 of 187

Zoom In
Zoom Out

Sample Name: ICESA Acquired: 11/1/2010 11:57:09 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	.0001	.0011	.0010	.0012	.0024	.0007	-.0008	.0018
Stddev	.0001	.0000	.0000	.0000	.0003	.0003	.0001	.0002	.0001
%RSD	1.433	13.96	2.255	2.980	29.75	14.29	16.83	25.29	3.524
#1	-.0040	.0001	.0011	.0010	.0014	.0022	.0008	-.0007	.0019
#2	-.0040	.0000	.0011	.0010	.0009	.0026	.0006	-.0009	.0018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0000	.0011	-.0019	.0005	.0017	-.0005	509.0	389.9
Stddev	.0003	.0001	.0004	.0011	.0002	.0015	.0009	6.2	3.1
%RSD	14.75	1846.	38.77	57.84	32.23	88.03	173.9	1.209	.8064
#1	.0019	-.0001	.0015	-.0027	.0004	.0028	-.0011	504.7	387.7
#2	.0024	.0001	.0008	-.0011	.0006	.0006	.0001	513.4	392.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	190.8	547.4	.0210	.4649	-.0009	.0036	-.0112	-.0082	-.0072
Stddev	.2	.4	.0005	.0108	.0001	.0003	.0005	.0005	.0003
%RSD	.1164	.0727	2.187	2.327	7.422	7.170	4.853	5.730	3.657
#1	190.7	547.1	.0207	.4573	-.0010	.0034	-.0115	-.0079	-.0070
#2	191.0	547.7	.0214	.4726	-.0009	.0038	-.0108	-.0086	-.0074

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA25275 page 24 of 187

121
12

Sample Name: ICSA Acquired: 11/1/2010 11:57:09 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0007	.0044	.0579	.0014
Stddev	.0001	.0002	.0006	.0000
%RSD	9.191	4.233	1.079	2.141

#1	.0007	.0043	.0584	.0014
#2	.0006	.0045	.0575	.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	119360.	44674.	2501.8	6529.1
Stddev	297.	18.	3.4	12.1
%RSD	24904	.03946	.13553	.18591

#1	119150.	44687.	2499.4	6520.5
#2	119570.	44662.	2504.2	6537.6

Zoom In
Zoom Out

Sample Name: ICSAB Acquired: 11/1/2010 12:03:28 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5325	.5217	1.086	.4803	.5150	.5344	.5080	1.010	1.132
Stddev	.0015	.0019	.002	.0011	.0021	.0002	.0006	.001	.001
%RSD	2785	.3595	.1410	2255	4073	.0464	.1153	.1133	.0666

#1	.5336	.5231	1.085	.4796	.5136	.5343	.5076	1.011	1.131
#2	.5315	.5204	1.088	.4811	.5165	.5346	.5084	1.009	1.132

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4745	.9392	1.065	1.011	.9961	1.023	1.070	514.2	391.9
Stddev	.0011	.0010	.001	.002	.0003	.001	.003	3.3	1.6
%RSD	2300	.1017	.1189	.2086	.0307	.0744	.2428	.6439	.4112

#1	.4737	.9385	1.065	1.009	.9963	1.022	1.068	511.9	393.0
#2	.4753	.9398	1.066	1.012	.9959	1.023	1.071	516.6	390.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sr1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	191.7	546.0	-.0011	.4655	-.0021	.5134	5586	-.0067	-.0069
Stddev	.2	1.7	.0024	.0040	.0005	.0007	.0015	.0008	.0008
%RSD	.0819	.3190	221.8	.8489	22.60	.1388	.2664	12.50	11.00

#1	191.8	547.2	.0006	.4627	-.0024	.5129	5597	-.0061	-.0063
#2	191.5	544.8	-.0028	.4683	-.0017	.5139	5576	-.0073	-.0074

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None
 Value High Limit
 Range Low Limit

Zoom In
Zoom Out

Sample Name: ICSAB Acquired: 11/1/2010 12:03:28 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0007	.0043	.0513	.5171
Stddev	.0000	.0002	.0010	.0008
%RSD	.6730	4.809	.1886	.1513

#1	.0007	.0041	.5520	.5165
#2	.0007	.0044	.5505	.5176

Check ? None None Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	119320.	44751.	2497.8	6516.5
Stddev	28.	94.	4.1	2.9
%RSD	.02354	.21108	.16276	.04490

#1	119340.	44684.	2500.7	6518.6
#2	119300.	44818.	2495.0	6514.5

Zoom In
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 12:09:45 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	2.061	1.988	2.010	2.001	1.914	2.004	1.992	.2432
Stddev	.018	.012	.005	.005	.006	.003	.001	.009	.0004
%RSD	.8939	.5714	.2691	.2391	.3106	.1774	.0508	.4376	.1715

#1	1.979	2.052	1.992	2.014	1.996	1.917	2.003	1.998	.2435
#2	2.004	2.069	1.984	2.007	2.005	1.912	2.004	1.986	.2429

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	2.023	1.969	2.020	1.961	1.964	1.953	40.40	41.41
Stddev	.000	.009	.002	.013	.007	.002	.001	.32	.10
%RSD	.0152	.4193	.0807	.6345	.3836	.0891	.0258	.8037	.2297

#1	1.983	2.029	1.970	2.029	1.967	1.966	1.953	40.17	41.34
#2	1.983	2.017	1.968	2.011	1.956	1.963	1.952	40.63	41.48

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sr1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.66	41.44	40.60	40.45	1.967	2.006	1.921	4.975	2.030
Stddev	.20	.05	.32	.36	.000	.004	.004	.014	.008
%RSD	.4826	.1213	.7894	.8839	.0197	.2171	.2139	.2891	.4105

#1	41.52	41.41	40.38	40.20	1.968	2.009	1.924	4.985	2.036
#2	41.80	41.48	40.83	40.71	1.967	2.003	1.918	4.964	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value High Limit
 Range Low Limit

12.1
12

Zoom In
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 12:09:45 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Tj3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.971	1.938	1.988	1.984
Stddev	.013	.001	.001	.000
%RSD	.6660	.0668	.0620	.0113

#1	1.961	1.938	1.989	1.985
#2	1.980	1.937	1.987	1.984

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132340.	46828.	2779.8	7832.7
Stddev	141.	52.	1.8	4.8
%RSD	.10622	.11093	.06427	.06172

#1	132440.	46864.	2781.0	7829.3
#2	132240.	46791.	2778.5	7836.1

Raw Data MA25275 page 29 of 187

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 12:15:50 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0222	.0009
Stddev	.0000	.0002	.0013	.0001
%RSD	19.04	215.2	5.640	6.104

#1	.0002	.0002	.0231	.0009
#2	.0003	.0000	.0213	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	137090.	47926.	2891.1	8626.3
Stddev	485.	90.	7.6	14.7
%RSD	.35354	.18821	.26228	.17023

#1	136750.	47990.	2896.4	8636.7
#2	137430.	47862.	2885.7	8616.0

Raw Data MA25275 page 31 of 187

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 12:15:50 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0001	.0000	.0001	.0003	.0002	.0000	.0000
Stddev	.0000	.0000	.0001	.0002	.0000	.0001	.0000	.000	.000
%RSD	10.51	13.06	90.52	558.6	18.66	53.11	24.10	609.2	767.8

#1	.0002	.0002	.0002	-.0001	.0001	.0004	.0002	.0001	-.0001
#2	.0002	.0002	.0000	.0002	.0001	.0002	.0002	-.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0001	.0005	F .0022	.0000	.0008	.0000	.0189	.0074
Stddev	.0000	.0001	.0004	.0006	.0005	.0001	.0000	.0002	.0029
%RSD	4.822	118.0	86.30	28.85	1313.	10.25	86.79	1.065	39.44

#1	.0003	.0000	.0008	.0018	.0004	.0007	.0000	.0191	.0053
#2	.0003	-.0001	.0002	.0027	-.0003	.0008	.0000	.0188	.0094

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.0253	.0020	.0067	.0011	.0009	.0007	.0014	.0001
Stddev	.0014	.0052	.0086	.0004	.0000	.0001	.0003	.0001	.0000
%RSD	17.45	20.71	421.3	6.416	3.331	5.949	39.91	7.977	3.740

#1	.0071	.0216	.0081	.0070	.0011	.0009	.0009	.0015	.0001
#2	.0091	.0290	-.0041	.0064	.0010	.0009	.0005	.0013	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Raw Data MA25275 page 30 of 187

Zoom In
Zoom Out

Sample Name: JA59278-3FUND Acquired: 11/1/2010 12:22:01 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1264	.0003	-.0002	.0114	-.0001	.0217	1.756	.0265	.0000
Stddev	.0023	.0000	.0000	.0000	.0001	.0001	.016	.0001	.0001
%RSD	1.828	.6212	22.41	.4170	75.63	5151	.8829	.3447	232.6

#1	.1281	.0003	-.0001	.0114	-.0001	.0216	1.745	.0264	.0001
#2	.1248	.0003	-.0002	.0113	-.0002	.0217	1.767	.0265	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0470	.0019	.0034	.0005	-.0013	.0000	.1065	204.0
Stddev	.0002	.0001	.0003	.0005	.0005	.0003	.0004	.0036	7.1
%RSD	18.32	.1291	16.97	15.65	117.6	21.15	4193.	3.340	3.495

#1	.0010	.0469	.0016	.0037	.0001	-.0011	-.0003	.1040	209.1
#2	.0013	.0470	.0021	.0030	.0008	-.0015	.0003	.1090	199.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4716	53.50	9.622	26.59	.1860	.0012	-.0042	5.175	-.0033
Stddev	.0098	1.16	.164	.44	.0005	.0001	.0006	.033	.0003
%RSD	2.085	2.172	1.705	1.640	25.14	6.561	13.40	.6366	9.714

#1	.4785	54.32	9.738	26.90	.1857	.0011	-.0038	5.152	-.0031
#2	.4646	52.68	9.506	26.28	.1864	.0012	-.0046	5.198	-.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.7379	-.0033	.0262	.0002
Stddev	.0125	.0002	.0001	.0000
%RSD	1.700	6.568	.4840	1.607

#1	.7467	-.0031	.0263	.0002
#2	.7290	-.0034	.0261	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	129600.	46167.	2634.2	7748.1
Stddev	898.	625.	26.5	58.8
%RSD	.69300	1.3546	1.0046	.75831

Raw Data MA25275 page 32 of 187

121
12

Sample Name: JA56697-25A 2 Acquired: 11/1/2010 12:28:12 Type: Unk
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.4664	-0.001	.0035	-0.038	.0549	.0834	.0014	.0040	-0.001
Stddev	.0063	.0001	.0001	.0001	.0009	.0009	.0003	.0022	.0001
%RSD	1.349	54.75	3.767	3.824	1.644	1.074	21.69	55.84	63.12
#1	.4619	-0.001	.0036	-0.037	.0556	.0841	.0017	.0024	-0.001
#2	.4708	-0.002	.0034	-0.039	.0543	.0828	.0012	.0056	-0.002
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0008	11.87	.0194	-0.112	38.54	.0063	.0021	-6.673	5061.
Stddev	.0006	.03	.0009	.0013	.04	.0046	.0003	.0411	92.
%RSD	75.58	.2275	4.668	11.97	.1037	73.07	12.21	6.152	1.822
#1	.0012	11.85	.0201	-0.121	38.51	.0030	.0019	-6.383	4995.
#2	.0004	11.89	.0188	-0.102	38.57	.0095	.0022	-6.964	5126.
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.9732	.0830	634.8	713.2	.2118	.1329	-0.838	.7564	-0.034
Stddev	.0144	.0015	7.4	13.5	.0007	.0005	.0000	.0078	.0015
%RSD	1.476	1.813	1.173	1.888	.3406	.3435	.0186	1.031	43.74
#1	.9631	.0819	629.5	703.6	.2123	.1332	-0.837	.7509	-0.023
#2	.9834	.0840	640.1	722.7	.2113	.1326	-0.838	.7619	-0.044
Elem	Sr4077	Tl3349	W_2079	Zr3391					
Avg	7.488	.0212	.2425	.0005					
Stddev	.030	.0018	.0063	.0005					
%RSD	.4046	8.350	2.578	100.7					
#1	7.466	.0225	.2381	.0001					
#2	7.509	.0200	.2469	.0009					
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	116040.	43152.	2357.4	6528.7					
Stddev	667.	571.	4.8	4.9					
%RSD	.57468	1.3235	.20429	.07574					
#1	115570.	43556.	2360.8	6532.2					
#2	116520.	42748.	2354.0	6525.2					

Sample Name: MP54941-MB1CONF Acquired: 11/1/2010 12:34:35 Type: Unk
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0001	.0000	.0000	-0.002	.0001	-0.002	.0001	.0004	.0000
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0000	.0001	.0001
%RSD	45.53	34.67	1082.	34.52	150.9	8.436	5.553	33.18	262.0
#1	.0001	-0.001	.0001	-0.002	.0000	-0.002	.0001	.0005	.0001
#2	.0000	.0000	.0000	-0.002	.0001	-0.001	.0001	.0003	.0000
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-0.001	.0060	.0005	.0008	.0000	.0002	.0001	.0014	.0318
Stddev	.0001	.0002	.0003	.0009	.0007	.0003	.0000	.0012	.0029
%RSD	154.3	3.525	62.42	110.7	1823.	188.1	2.230	84.40	9.203
#1	-0.001	.0059	.0007	.0014	-0.004	-0.001	.0001	.0023	.0297
#2	.0000	.0062	.0003	.0002	.0005	.0004	.0001	.0006	.0339
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0070	-0.004	.0241	.0258	.0006	.0003	.0002	.0019	.0002
Stddev	.0000	.0079	.0078	.0016	.0001	.0002	.0006	.0001	.0002
%RSD	.5589	1788.	32.38	6.033	22.17	55.59	198.3	4.308	103.5
#1	.0069	-0.060	.0186	.0269	.0006	.0002	-0.008	.0019	.0001
#2	.0070	.0052	.0297	.0247	.0005	.0004	.0001	.0018	.0004
Elem	Sr4077	Tl3349	W_2079	Zr3391					
Avg	.0001	-0.001	.0083	.0002					
Stddev	.0000	.0002	.0003	.0000					
%RSD	1.178	146.5	3.589	13.74					
#1	.0001	-0.002	.0085	.0002					
#2	.0001	.0000	.0081	.0002					
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	135850.	47652.	2876.2	8599.7					
Stddev	93.	108.	6.8	37.6					
%RSD	.06867	.22661	.23514	.43680					
#1	135780.	47575.	2881.0	8626.2					
#2	135910.	47728.	2871.4	8573.1					

Sample Name: MP55409-MB2 3 Acquired: 11/1/2010 12:40:44 Type: Unk
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0010	.0000	.0000	-0.002	.0007	.0003	.0001	.0003	.0000
Stddev	.0000	.0000	.0000	.0001	.0002	.0001	.0000	.0001	.0000
%RSD	3.212	21.52	91.30	52.76	25.95	50.18	2.954	45.42	1252.
#1	.0010	.0000	.0001	-0.002	.0008	.0004	.0001	.0004	.0000
#2	.0010	.0000	.0000	-0.001	.0005	.0002	.0001	.0002	-0.001
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-0.002	.0015	-0.002	.0001	-0.001	.0012	.0004	.0085	.0122
Stddev	.0003	.0000	.0003	.0005	.0005	.0008	.0002	.0012	.0003
%RSD	117.2	1.160	204.1	382.9	717.1	64.52	39.21	14.24	2.585
#1	-0.004	.0015	-0.004	-0.002	-0.004	.0018	.0005	.0094	.0124
#2	.0000	.0015	.0001	.0005	.0003	.0007	.0003	.0077	.0120
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0024	.0025	.0048	.0589	.0005	.0004	.0003	.1392	-0.001
Stddev	.0004	.0045	.0037	.0026	.0002	.0000	.0001	.0003	.0004
%RSD	15.06	182.8	76.69	4.351	36.35	4.848	32.96	.2016	375.0
#1	.0021	.0056	.0074	.0571	.0006	.0004	.0002	.1390	-0.004
#2	.0026	-0.007	.0022	.0607	.0004	.0004	.0003	.1394	.0002
Elem	Sr4077	Tl3349	W_2079	Zr3391					
Avg	.0003	.0000	.0095	.0002					
Stddev	.0000	.0003	.0001	.0001					
%RSD	4.774	665.8	1.102	30.61					
#1	.0003	.0002	.0096	.0002					
#2	.0003	-0.001	.0095	.0003					
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	134600.	47928.	2832.0	8543.7					
Stddev	34.	14.	1.6	9.7					
%RSD	.02526	.02960	.05518	.11356					
#1	134580.	47938.	2833.1	8550.5					
#2	134630.	47918.	2830.9	8536.8					

Sample Name: MP55409-LC1 Acquired: 11/1/2010 12:46:54 Type: Unk
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.5046	.5208	.4984	.5195	.5093	.4727	.5170	.4955	1923
Stddev	.0008	.0020	.0004	.0001	.0008	.0001	.0000	.0004	.0002
%RSD	.1607	.3908	.0808	.0137	.1620	.0206	.0075	.0836	.0898
#1	.5040	.5194	.4982	.5196	.5099	.4728	.5170	.4952	1921
#2	.5051	.5222	.4987	.5195	.5088	.4727	.5170	.4958	1924
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4751	.5126	.4969	.4823	.4802	.4862	.4945	4.826	5.510
Stddev	.0004	.0007	.0003	.0011	.0020	.0008	.0001	.015	.014
%RSD	.0895	.1290	.0654	.2256	.4103	.1666	.0148	.3192	.2550
#1	.4754	.5131	.4967	.4830	.4816	.4868	.4946	4.815	5.500
#2	.4748	.5121	.4972	.4815	.4788	.4857	.4945	4.837	5.520
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	5.640	5.341	9.737	9.913	.0015	.5196	.0039	.0729	-0.005
Stddev	.021	.009	.012	.014	.0002	.0003	.0009	.0002	.0002
%RSD	.3651	.1622	.1243	.1410	11.65	.0489	22.40	.3299	42.13
#1	5.626	5.335	9.729	9.903	.0013	.5198	.0033	.0731	-0.006
#2	5.655	5.348	9.746	9.923	.0016	.5194	.0045	.0728	-0.003
Elem	Sr4077	Tl3349	W_2079	Zr3391					
Avg	.0003	.4917	.0232	-0.009					
Stddev	.0000	.0003	.0003	.0000					
%RSD	3.147	.0617	1.191	4.183					
#1	.0003	.4915	.0230	-0.009					
#2	.0003	.4919	.0234	-0.009					
Int. Std.	Y_3600	Y_3710	Y_2243	In2306					
Avg	133480.	47425.	2815.8	8373.6					
Stddev	210.	18.	1.6	12.4					
%RSD	.15709	.03788	.05539	.14786					
#1	133330.	47438.	2814.7	8364.8					
#2	133630.	47413.	2816.9	8382.3					

12.1
12

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 13:17:31 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	2.044	1.988	2.010	2.003	1.928	2.006	1.991	2.436
Stddev	.001	.000	.002	.001	.008	.002	.002	.002	.0004
%RSD	.0694	.0141	.0750	.0353	.4140	.0833	.1052	.0981	.1806
#1	1.978	2.044	1.987	2.009	2.008	1.927	2.007	1.989	2.432
#2	1.980	2.044	1.989	2.010	1.997	1.930	2.004	1.992	2.439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	2.020	1.965	2.019	1.957	1.962	1.954	39.91	40.98
Stddev	.001	.002	.001	.001	.002	.001	.000	.029	.03
%RSD	.0346	.1054	.0302	.0615	.0999	.0623	.0035	.0472	.0767
#1	1.988	2.018	1.964	2.020	1.955	1.963	1.954	39.90	40.95
#2	1.989	2.021	1.965	2.019	1.958	1.961	1.954	39.92	41.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.23	41.10	40.33	40.04	1.966	2.007	1.930	4.994	2.032
Stddev	.01	.01	.03	.01	.002	.002	.003	.002	.002
%RSD	.0350	.0281	.0676	.0247	.0179	.1020	.1735	.0413	.1151
#1	41.22	41.10	40.31	40.03	1.967	2.006	1.928	4.995	2.034
#2	41.24	41.11	40.35	40.04	1.966	2.008	1.933	4.993	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Raw Data MA25275 page 41 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 13:17:31 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.969	1.945	1.976	1.994
Stddev	.013	.003	.008	.001
%RSD	.6775	.1481	.4043	.0393
#1	1.960	1.943	1.970	1.993
#2	1.979	1.947	1.982	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132080.	46861.	2778.5	7837.8
Stddev	168.	5.	2.1	10.0
%RSD	.12753	.00986	.07608	.12821
#1	132200.	46857.	2780.0	7844.9
#2	131960.	46864.	2777.0	7830.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Raw Data MA25275 page 42 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 13:23:35 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.001	.001	.000	.001	-0.001	.001	.001	.001	.000
Stddev	.0000	.0000	.0000	.0001	.0003	.0001	.0000	.0001	.000
%RSD	35.55	20.93	95.11	113.2	526.0	94.73	21.97	63.00	119.3
#1	.0001	.0001	.0001	.0000	-0.002	.0000	.0001	.0001	.0000
#2	.0001	.0002	.0000	.0001	.0001	.0002	.0002	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.002	.0006	.0014	-0.007	.0013	.0000	.0011	-0.067
Stddev	.0002	.0001	.0000	.0005	.0005	.0004	.000	.0042	.0000
%RSD	311.5	66.53	6.469	32.07	70.47	31.62	144.7	367.6	5.152
#1	.0002	-0.001	.0006	.0017	-0.010	.0016	-0.003	-0.018	-0.066
#2	-0.001	-0.003	.0006	.0011	-0.003	.0010	.0002	.0041	-0.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0058	-0.075	.0067	.0007	.0007	.0005	.0019	.0003
Stddev	.0004	.0039	.0068	.0008	.0001	.0001	.0007	.0002	.0001
%RSD	22.75	66.26	89.89	11.96	14.77	13.84	159.3	9.248	41.47
#1	.0013	.0031	-0.123	.0073	.0008	.0007	.0010	.0018	.0004
#2	.0018	.0085	-0.027	.0062	.0007	.0006	-0.001	.0020	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Raw Data MA25275 page 43 of 187

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 13:23:35 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.001	.0001	.0148	.0006
Stddev	.0000	.0002	.0012	.0000
%RSD	7.960	327.6	7.985	4.280
#1	.0001	-0.001	.0156	.0006
#2	.0001	.0002	.0140	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	136610.	47792.	2906.0	8682.7
Stddev	503.	710.	10.1	39.1
%RSD	.36811	1.4853	.34750	.44976
#1	136260.	47290.	2913.1	8710.3
#2	136970.	48293.	2898.8	8655.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Raw Data MA25275 page 44 of 187

12.1
12

Sample Name: ccb Acquired: 11/1/2010 14:37:35 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Units ppm ppm ppm ppm ppm ppm ppm ppm ppm
Avg .0003 .0003 .0001 .0000 .0003 .0001 .0003 .0000 .0000
Stddev .0000 .0000 .0001 .0001 .0002 .0000 .0000 .0003 .0000
%RSD 13.50 11.14 176.2 580.0 89.85 21.60 13.54 592.3 54.11

#1 .0003 .0003 .0002 .0001 .0004 .0001 .0003 .0002 .0001
#2 .0003 .0003 .0000 .0000 .0001 .0001 .0003 .0002 .0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Units ppm ppm ppm ppm ppm ppm ppm ppm ppm
Avg .0003 .0000 .0009 .0015 .0001 .0007 .0002 .0053 .0029
Stddev .0001 .000 .0004 .0004 .0000 .0007 .0012 .0029 .0008
%RSD 23.39 398.1 42.77 26.68 6.784 108.3 539.1 54.84 29.38

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Units ppm ppm ppm ppm ppm ppm ppm ppm ppm
Avg .0052 .0081 .0009 .0131 .0010 .0007 .0010 .0021 .0001
Stddev .0007 .0055 .0131 .0030 .0000 .0000 .0001 .0005 .0002
%RSD 12.72 68.44 1480. 22.83 2.581 4.202 12.51 24.95 222.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ccb Acquired: 11/1/2010 14:37:35 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Sr4077 Ti3349 W_2079 Zr3391
Units ppm ppm ppm ppm
Avg .0003 .0005 .0147 .0007
Stddev .0001 .0002 .0008 .0000
%RSD 16.11 34.48 5.655 1.728

#1 .0003 .0007 .0153 .0007
#2 .0004 .0004 .0141 .0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std. Y_3600 Y_3710 Y_2243 In2306
Units Cts/S Cts/S Cts/S Cts/S
Avg 137380. 47393. 2897.4 8651.3
Stddev 178. 173. 4.5 18.2
%RSD .12975 36505 .15520 21008

#1 137500. 47515. 2900.5 8664.2
#2 137250. 47270. 2894.2 8638.5

Sample Name: MP55414-S1 Acquired: 11/1/2010 14:43:46 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg 1.893 .0478 .0442 .4667 .2012 .2841 .5124 .4687 .0461
Stddev .022 .0008 .0001 .0026 .0010 .0007 .0013 .0033 .0003
%RSD 1.191 1.581 .2528 .5579 .5124 .2326 .2585 .6940 .6681

#1 1.877 .0473 .0441 .4685 .2020 .2846 .5133 .4710 .0464
#2 1.909 .0484 .0443 .4649 .2005 .2837 .5115 .4664 .0459

Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg 4.297 .6022 1.811 1.775 4.558 1.766 4.575 3.701 26.45
Stddev .0006 .0043 .009 .014 .0018 .005 .0024 .050 .37
%RSD .1380 .7113 .4900 .8135 .3986 .2647 .5239 1.352 1.399

#1 4.301 .6053 1.817 1.785 4.570 1.770 4.592 3.666 26.19
#2 4.293 .5992 1.805 1.765 4.545 1.763 4.558 3.737 26.71

Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 2.220 23.70 24.06 26.28 .0191 .0026 .0010 6.197 .0003
Stddev .032 .31 .30 .31 .0003 .0000 .0002 .045 .0003
%RSD 1.417 1.309 1.263 1.182 1.782 .2799 19.86 .7194 85.12

#1 2.198 23.48 23.84 26.06 .0193 .0026 .0008 6.229 .0005
#2 2.242 23.92 24.27 26.50 .0189 .0026 .0011 6.166 .0001

Sample Name: MP55414-S2 Acquired: 11/1/2010 14:49:43 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg 1.821 .0461 .0431 4.559 .1951 .2741 .4962 .4576 .0446
Stddev .001 .0000 .0001 .0007 .0000 .0001 .0014 .0008 .0000
%RSD .0720 .0896 .2225 .1427 .0044 .0359 .2809 .1688 .0881

#1 1.822 .0461 .0432 4.554 .1951 .2741 .4952 .4582 .0446
#2 1.820 .0461 .0430 4.564 .1951 .2742 .4972 .4571 .0446

Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg 4.157 .5860 1.768 1.731 4.438 1.722 .4466 3.534 25.63
Stddev .0018 .0005 .004 .002 .0005 .000 .0007 .004 .01
%RSD .4232 .0769 .2278 .1198 .1100 .0085 .1542 .1271 .0208

#1 4.144 .5857 1.765 1.732 .4435 1.722 .4461 3.531 25.62
#2 4.169 .5864 1.771 1.729 .4442 1.722 .4471 3.537 25.63

Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 2.157 22.98 23.25 25.38 .0188 .0023 .0009 6.046 .0002
Stddev .002 .02 .03 .01 .0001 .0000 .0005 .005 .0001
%RSD .0909 .0815 .1077 .0572 .4185 1.320 56.93 .0834 72.08

#1 2.158 22.99 23.23 25.37 .0189 .0023 .0005 6.042 .0003
#2 2.156 22.97 23.27 25.39 .0188 .0023 .0013 6.049 .0001

Sample Name: JA59308-1 Acquired: 11/1/2010 14:55:40 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899, Sr4077, Ti3349, W_2079, Zr3391, Int. Std., Y_3600, Y_3710, Y_2243, In2306).

Sample Name: MP55414-SD1 Acquired: 11/1/2010 15:01:44 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899, Sr4077, Ti3349, W_2079, Zr3391, Int. Std., Y_3600, Y_3710, Y_2243, In2306).

Sample Name: JA59177-1 Acquired: 11/1/2010 15:07:52 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899, Sr4077, Ti3349, W_2079, Zr3391, Int. Std., Y_3600, Y_3710, Y_2243, In2306).

Sample Name: JA59177-2 Acquired: 11/1/2010 15:13:57 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899, Sr4077, Ti3349, W_2079, Zr3391, Int. Std., Y_3600, Y_3710, Y_2243, In2306).

Sample Name: JA59177-3 Acquired: 11/1/2010 15:20:07 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for various elements.

Sample Name: JA59177-4 Acquired: 11/1/2010 15:26:15 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for various elements.

Sample Name: JA59248-1 Acquired: 11/1/2010 15:32:33 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for various elements.

Sample Name: JA59248-2 Acquired: 11/1/2010 15:38:41 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for various elements.

Zoom In
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 15:45:01 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	2.055	2.012	2.036	2.013	1.946	2.027	2.019	.2461
Stddev	.002	.003	.003	.003	.000	.004	.001	.001	.0004
%RSD	.0762	.1521	.1585	.1350	.0214	.1795	.0467	.0460	.1789

#1	1.990	2.053	2.010	2.034	2.013	1.943	2.028	2.019	.2458
#2	1.992	2.058	2.014	2.037	2.013	1.948	2.026	2.018	.2464

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	2.048	1.992	2.045	1.981	1.988	1.974	40.34	41.24
Stddev	.002	.001	.004	.002	.000	.004	.009	.05	.00
%RSD	.0943	.0661	.1979	.1161	.0031	.1920	.4573	.1150	.0104

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.37	41.26	41.21	40.44	1.988	2.031	1.942	5.064	2.057
Stddev	.03	.00	.06	.02	.007	.004	.004	.010	.002
%RSD	.0816	.0071	.1340	.0535	.3371	.2225	.2144	.1975	.1178

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Zoom In
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 15:45:01 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.972	1.967	2.002	2.009
Stddev	.032	.000	.009	.004
%RSD	1.617	.0146	.4613	.1820

#1	1.950	1.967	1.996	2.006
#2	1.995	1.967	2.009	2.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132430.	46082.	2778.4	7834.7
Stddev	263.	83.	12.8	27.1
%RSD	.19866	.17948	.46010	.34629

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	132620.	46141.	2787.4	7853.9
#2	132240.	46024.	2769.3	7815.5

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 15:51:06 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0001	.0000	.0002	.0003	.0004	.0002	.0000
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0000	.0000	.0002
%RSD	4.067	12.30	219.3	954.8	22.83	49.44	8.583	18.38	1723.

#1	.0003	.0003	.0002	.0001	.0002	.0002	.0004	.0003	.0002
#2	.0003	.0003	.0000	.0001	.0002	.0004	.0004	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0006	.0014	.0005	.0006	.0001	.0054	.0012
Stddev	.0000	.0001	.0003	.0001	.0003	.0001	.0003	.0001	.0007
%RSD	15.88	37.46	46.11	77.59	60.91	17.96	265.6	2.281	53.19

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053	.0053	.0041	.0301	.0012	.0007	.0008	.0024	.0000
Stddev	.0005	.0057	.0087	.0028	.0003	.0000	.0003	.0000	.000
%RSD	9.282	107.9	211.6	9.140	27.57	2.938	31.56	.3310	594.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Zoom In
Zoom Out

Sample Name: CCB Acquired: 11/1/2010 15:51:06 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0003	.0006	.0138	.0007
Stddev	.0000	.0001	.0009	.0001
%RSD	9.832	10.20	6.897	9.891

#1	.0003	.0006	.0144	.0007
#2	.0003	.0005	.0131	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	136400.	47129.	2902.1	8642.8
Stddev	3888.	171.	10.7	6.3
%RSD	2.8503	.36324	.36720	.07267

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

#1	139150.	47250.	2894.5	8638.3
#2	133650.	47008.	2909.6	8647.2

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for Sample Name: JA59262-4.

Raw Data MA25275 page 77 of 187

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Avg, Stddev, %RSD, #1, #2) for Sample Name: JA59262-5.

Raw Data MA25275 page 78 of 187

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows (Units, Avg, Stddev, %RSD, #1, #2) for Sample Name: ICSA.

Raw Data MA25275 page 79 of 187

Table with 10 columns (Elem, Sr4077, Ti3349, W_2079, Zr3391) and 10 rows (Units, Avg, Stddev, %RSD, #1, #2) for Sample Name: ICSA.

Raw Data MA25275 page 80 of 187

Sample Name: ICSAB Acquired: 11/1/2010 16:40:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Be4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5451	5302	1.104	4885	5366	5531	5282	1.028	1.175
Stddev	.0005	.0015	.001	.0004	.0212	.0173	.0201	.002	.041
%RSD	.0930	.2911	.0989	.0717	3.948	3.124	3.803	.1777	3.519

#1	.5447	.5291	1.104	4883	5516	5653	.5424	1.026	1.205
#2	.5454	.5313	1.103	4888	5216	5409	.5140	1.029	1.146

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4933	.9561	1.081	1.029	1.014	1.040	1.085	523.0	395.1
Stddev	.0182	.0014	.000	.003	.004	.002	.001	8.4	2.2
%RSD	3.695	.1466	.0312	.2983	.4472	.2015	.0588	1.609	.5490

#1	.5061	.9551	1.081	1.027	1.010	1.038	1.086	517.0	393.5
#2	4804	.9571	1.080	1.031	1.017	1.041	1.085	528.9	396.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	194.6	554.6	.0274	.4896	-.0019	52.19	.5795	-.0069	-.0067
Stddev	2.3	3.1	.0077	.0037	.0007	.0002	.0143	.0003	.0007
%RSD	1.178	.5623	28.01	.7483	40.01	.0374	2.469	4.084	11.05

#1	193.0	552.4	.0220	.4870	-.0013	52.21	.5896	-.0067	-.0062
#2	196.3	556.8	.0328	.4922	-.0024	52.18	.5694	-.0071	-.0073

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None
 Value
 Range

Sample Name: ICSAB Acquired: 11/1/2010 16:40:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0007	.0042	.5474	.5385
Stddev	.0001	.0004	.0019	.0197
%RSD	11.22	10.41	.3400	3.653

#1	.0008	.0045	.5487	.5524
#2	.0007	.0039	.5461	.5246

Check ? None None Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	117520.	43032.	2497.1	6514.1
Stddev	3675.	207.	2.1	.7
%RSD	3.1273	.47996	.08263	.01121

#1	114920.	43178.	2495.7	6513.6
#2	120120.	42886.	2498.6	6514.6

Sample Name: CCV Acquired: 11/1/2010 16:46:36 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.065	2.004	2.028	2.007	1.934	2.016	2.011	2.447
Stddev	.003	.013	.013	.013	.008	.016	.008	.011	.0007
%RSD	.1656	.6229	.6385	.6327	.3937	.8021	.3756	.5255	.2982

#1	2.004	2.056	1.995	2.019	2.002	1.923	2.010	2.004	2.442
#2	2.009	2.074	2.013	2.037	2.013	1.945	2.021	2.019	2.452

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	V_2924	Zn2062	As1890	Ti1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.044	1.981	2.037	1.977	1.979	1.968	40.52	41.49
Stddev	.008	.011	.015	.014	.012	.013	.014	.14	.43
%RSD	.3941	.5186	.7671	.6805	.5951	.6705	.7209	.3526	1.034

#1	1.993	2.036	1.971	2.027	1.969	1.970	1.958	40.42	41.19
#2	2.004	2.051	1.992	2.047	1.985	1.988	1.978	40.62	41.79

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.64	41.52	41.37	40.90	1.985	2.024	1.935	5.036	2.049
Stddev	.30	.39	.01	.01	.018	.013	.012	.034	.013
%RSD	.7294	.9341	.0139	.0275	.8975	.6468	.6362	.6733	.6429

#1	41.43	41.25	41.37	40.91	1.972	2.014	1.926	5.012	2.040
#2	41.86	41.79	41.36	40.90	1.997	2.033	1.943	5.060	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 11/1/2010 16:46:36 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.997	1.954	1.996	2.001
Stddev	.021	.008	.020	.011
%RSD	1.075	.4279	1.006	.5256

#1	1.982	1.948	1.982	1.994
#2	2.012	1.960	2.011	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132740.	45407.	2778.4	7823.3
Stddev	686.	256.	20.9	56.2
%RSD	.51707	.56476	.75330	.71897

#1	133230.	45588.	2793.2	7863.1
#2	132260.	45225.	2763.6	7783.6

Sample Name: MP55421-S1 Acquired: 11/1/2010 17:11:10 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg 4.371 .0993 0.888 9.789 .4650 .5716 7.866 1.119 .0924
Stddev .107 .0003 .0004 .0053 .0019 .0007 .074 .008 .0004
%RSD 2.447 .3292 .4003 .5426 .4021 .1217 .9380 6.921 4.277
#1 4.295 .0990 .0886 .9826 .4663 .5721 7.918 1.124 .0927
#2 4.447 .0995 .0891 .9751 .4637 .5712 7.814 1.114 .0921
Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .9487 1.318 3.615 3.611 1.040 3.419 .4708 150.5 27.98
Stddev .0030 .008 .019 .034 .006 .007 .0006 .5 .11
%RSD .3187 .6239 .5214 .9489 .6287 .2043 .1254 .3107 .3887
#1 .9509 1.324 3.628 3.636 1.045 3.424 .4712 150.2 27.90
#2 .9466 1.312 3.602 3.587 1.035 3.414 .4703 150.9 28.05
Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 216.7 39.32 30.23 12.52 .0308 -.0014 .0118 2.213 .0050
Stddev .9 .14 .05 .01 .0006 .0002 .0004 .023 .0000
%RSD .4143 .3493 .1775 .0935 1.788 12.22 3.095 1.057 2.004
#1 216.0 39.22 30.19 12.51 .0312 -.0015 .0115 2.230 .0050
#2 217.3 39.42 30.27 12.53 .0304 -.0013 .0120 2.197 .0050
Elem Sr4077 Ti3349 W_2079 Zr3391
Avg .0824 .4461 .1146 .1235
Stddev .0002 .0014 .0007 .0000
%RSD .2228 .3128 .9766 .0319
#1 .0823 .4471 .0720 .1145
#2 .0825 .4451 .0730 .1146
Int. Std. Y_3600 Y_3710 Y_2243 In2306
Avg 138890. 47871. 2903.7 7677.8
Stddev 28. 75. 4.7 17.5
%RSD .02011 .15587 .16206 .22844
#1 138870. 47924. 2900.3 7665.4
#2 138910. 47818. 2907.0 7690.2

Raw Data MA25275 page 89 of 187

Sample Name: MP55421-S2 Acquired: 11/1/2010 17:17:25 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg 4.492 .0996 .0892 .9903 .4754 .5744 8.180 1.137 .0922
Stddev .037 .0001 .0001 .0058 .0007 .0003 .012 .008 .0000
%RSD .8248 .1436 .1634 .5890 .1576 .0508 .1443 .6855 .0154
#1 4.518 .0997 .0891 .9862 .4759 .5742 8.172 1.131 .0922
#2 4.466 .0995 .0893 .9944 .4749 .5746 8.189 1.142 .0922
Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .9633 1.332 3.653 3.635 1.054 3.445 .4622 158.3 28.78
Stddev .0021 .008 .017 .027 .008 .013 .0027 .3 .04
%RSD .2223 .6051 .4569 .7530 .7473 .3840 .5750 .1865 .1323
#1 .9649 1.327 3.642 3.616 1.049 3.436 .4603 158.5 28.81
#2 .9618 1.338 3.665 3.655 1.060 3.454 .4640 158.1 28.75
Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 217.3 40.00 33.16 12.66 .0372 -.0013 .0092 2.722 .0051
Stddev .3 .04 .06 .03 .0001 .0000 .0007 .006 .0000
%RSD .1282 .1031 .1813 .2129 .1831 .8201 7.274 .2146 .0644
#1 217.5 40.03 33.20 12.68 .0372 -.0013 .0097 2.718 .0051
#2 217.1 39.97 33.12 12.64 .0371 -.0013 .0088 2.726 .0051
Elem Sr4077 Ti3349 W_2079 Zr3391
Avg .0883 .5019 .0736 .1235
Stddev .0003 .0023 .0005 .0001
%RSD .2902 .4594 .6743 .0879
#1 .0885 .5035 .0740 .1236
#2 .0881 .5003 .0733 .1238
Int. Std. Y_3600 Y_3710 Y_2243 In2306
Avg 138520. 48218. 2901.0 7643.5
Stddev 73. 157. 8.0 28.1
%RSD .05259 .32527 .27619 .36762
#1 138570. 48107. 2906.7 7663.4
#2 138470. 48329. 2895.3 7623.7

Raw Data MA25275 page 90 of 187

Sample Name: JA59211-1 Acquired: 11/1/2010 17:23:40 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg .7116 .0047 .0014 .0787 .0918 .1110 6.934 .1513 -.0010
Stddev .0027 .0000 .0001 .0003 .0001 .0004 .055 .0003 .0002
%RSD .3775 .6054 9.985 .3717 .0745 .3629 .7912 .1937 17.17
#1 .7097 .0047 .0013 .0785 .0917 .1113 6.973 .1511 -.0012
#2 .7135 .0048 .0015 .0789 .0918 .1107 6.895 .1516 -.0009
Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .0928 .4008 .0880 -.0009 .1448 .0068 .0013 86.57 17.93
Stddev .0005 .0014 .0003 .0005 .0013 .0015 .0005 .17 .05
%RSD .5407 .3415 .3185 .5747 .9099 22.33 42.82 .1973 .2840
#1 .0932 .3998 .0878 -.0013 .1439 .0079 .0017 86.45 17.96
#2 .0925 .4018 .0882 -.0005 .1457 .0058 .0009 86.70 17.89
Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 162.1 25.68 15.00 52.19 .0219 -.0004 .0083 1.783 .0075
Stddev .5 .06 .04 .0005 .0000 .0002 .0004 .015 .0005
%RSD .3357 .2348 .2882 .1012 .0453 37.23 4.869 .8469 7.332
#1 162.5 25.72 14.97 .5222 .0219 -.0003 .0080 1.793 .0071
#2 161.7 25.63 15.03 .5215 .0219 -.0005 .0085 1.772 .0079
Elem Sr4077 Ti3349 W_2079 Zr3391
Avg .0769 .3866 .0270 .0959
Stddev .0003 .0043 .0002 .0004
%RSD .4538 1.108 .9035 .4500
#1 .0766 .3897 .0272 .0962
#2 .0771 .3836 .0268 .0956
Int. Std. Y_3600 Y_3710 Y_2243 In2306
Avg 142490. 48635. 2945.2 7982.9
Stddev 644. 9. 17.0 43.8
%RSD .45178 .01799 .57677 .54863
#1 142040. 48641. 2957.2 8013.9
#2 142950. 48628. 2933.2 7951.9

Raw Data MA25275 page 91 of 187

Sample Name: MP55421-SD1 Acquired: 11/1/2010 17:29:53 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:
Elem Ba4554 Be3130 Cd2288 Co2286 Cr2677 Cu3247 Mn2576 Ni2316 Ag3280
Avg .7271 .0047 .0007 .0809 .0952 .1145 7.638 .1480 -.0009
Stddev .0002 .0001 .0000 .0009 .0018 .0012 .005 .0005 .0007
%RSD .0309 2.648 3.596 1.121 1.849 1.030 .0647 .3342 73.52
#1 .7272 .0047 .0007 .0815 .0940 .1154 7.635 .1484 -.0014
#2 .7269 .0048 .0007 .0802 .0965 .1137 7.642 .1477 -.0004
Elem V_2924 Zn2062 As1890 Tl1908 Pb2203 Se1960 Sb2068 Al3961 Ca3179
Avg .0974 .4282 .0905 .0052 .1412 .0083 .0020 87.46 18.60
Stddev .0003 .0012 .0006 .0007 .0006 .0010 .0016 .10 .04
%RSD .2933 .2862 .6675 13.64 .4488 12.17 79.29 .1154 .1985
#1 .0976 .4274 .0900 .0057 .1416 .0091 .0032 87.38 18.62
#2 .0972 .4291 .0909 .0047 .1408 .0076 .0009 87.53 18.57
Elem Fe2599 Mg2790 K_7664 Na5895 B_2089 Mo2020 Pd3404 Si2124 Sn1899
Avg 178.4 26.11 15.09 5173 .0222 -.0004 .0150 1.897 .0067
Stddev .1 .00 .00 .0197 .0011 .0004 .0044 .019 .0021
%RSD .0680 .0060 .0303 3.808 4.835 99.89 29.52 .9856 31.32
#1 178.3 26.11 15.09 5313 .0214 -.0001 .0119 1.910 .0052
#2 178.5 26.11 15.09 .5034 .0229 -.0008 .0182 1.883 .0082
Elem Sr4077 Ti3349 W_2079 Zr3391
Avg .0790 .4052 .0366 .0963
Stddev .0001 .0069 .0024 .0018
%RSD .1499 1.706 6.529 1.889
#1 .0791 .4003 .0383 .0951
#2 .0789 .4101 .0349 .0976
Int. Std. Y_3600 Y_3710 Y_2243 In2306
Avg 138860. 46916. 2913.1 8483.8
Stddev 83. 72. 5.8 17.4
%RSD .05993 .15331 .19805 .20489
#1 138920. 46967. 2917.2 8496.1
#2 138800. 46865. 2909.1 8471.5

Raw Data MA25275 page 92 of 187

12.1 12

Zoom In
Zoom Out

Sample Name: JA59211-2 Acquired: 11/1/2010 17:35:58 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements and duplicate measurements (#1, #2).

Raw Data MA25275 page 93 of 187

Zoom In
Zoom Out

Sample Name: JA59211-3 Acquired: 11/1/2010 17:42:10 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements and duplicate measurements (#1, #2).

Raw Data MA25275 page 94 of 187

Zoom In
Zoom Out

Sample Name: JA59211-4 Acquired: 11/1/2010 17:48:22 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements and duplicate measurements (#1, #2).

Raw Data MA25275 page 95 of 187

Zoom In
Zoom Out

Sample Name: JA59211-5 Acquired: 11/1/2010 17:54:35 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD for multiple elements and duplicate measurements (#1, #2).

Raw Data MA25275 page 96 of 187

Sample Name: CCV Acquired: 11/1/2010 18:00:50 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.005	2.066	2.009	2.031	2.019	1.945	2.027	2.014	2.462
Stddev	.014	.019	.002	.001	.001	.003	.000	.003	.0006
%RSD	.7182	.9204	.0820	.0611	.0530	.1370	.0080	.1283	.2612

#1	1.995	2.053	2.011	2.032	2.020	1.947	2.027	2.016	2.466
#2	2.015	2.080	2.008	2.030	2.019	1.943	2.027	2.012	2.457

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.044	1.982	2.042	1.979	1.982	1.971	40.53	41.52
Stddev	.002	.002	.004	.002	.000	.001	.002	.39	.39
%RSD	.0882	.0939	.1803	.1106	.0055	.0389	.1112	.9543	9500

#1	2.010	2.045	1.985	2.041	1.979	1.981	1.972	40.26	41.24
#2	2.007	2.043	1.980	2.044	1.979	1.982	1.969	40.81	41.80

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.62	41.56	41.61	40.98	1.987	2.029	1.944	5.054	2.050
Stddev	.42	.41	.33	.28	.002	.003	.005	.003	.004
%RSD	1.007	.9801	.7979	.6796	.0775	.1236	.2650	.0577	.1793

#1	41.32	41.27	41.38	40.79	1.988	2.030	1.948	5.056	2.053
#2	41.91	41.85	41.85	41.18	1.986	2.027	1.940	5.052	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/1/2010 18:00:50 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	1.998	1.963	1.999	2.010
Stddev	.004	.001	.008	.000
%RSD	.2242	.0735	.4177	.0179

#1	1.995	1.964	1.993	2.010
#2	2.001	1.962	2.005	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132420.	45016.	2784.1	7844.9
Stddev	169.	338.	2.8	5.7
%RSD	.12791	.75102	.10226	.07281

#1	132300.	45255.	2782.1	7840.8
#2	132540.	44777.	2786.1	7848.9

Sample Name: CCB Acquired: 11/1/2010 18:06:55 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0004	.0001	.0001	.0000	.0000	.0007	.0000	.0000
Stddev	.0000	.0000	.0001	.0000	.0003	.0000	.0001	.000	.000
%RSD	1.494	12.58	104.3	17.69	1741.	142.9	19.35	304.9	612.5

#1	.0003	.0003	.0001	.0000	.0002	.0000	.0008	.0000	.0002
#2	.0004	.0004	.0000	.0001	-.0002	.0000	.0006	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0001	.0005	.0015	-.0001	.0004	.0000	.0105	-.0001
Stddev	.0002	.0001	.0001	.0007	.0007	.0003	.001	.0031	.0004
%RSD	97.91	107.0	17.94	46.64	490.5	71.57	1137.	30.00	359.9

#1	.0004	.0000	.0005	.0020	.0003	.0005	.0003	.0083	-.0004
#2	.0001	-.0001	.0004	.0010	-.0006	.0002	-.0004	.0127	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0130	.0128	.0131	.0085	.0012	.0007	.0003	.0074	.0000
Stddev	.0017	.0001	.0019	.0012	.0004	.0001	.0001	.0056	.001
%RSD	13.46	.7187	14.61	14.17	30.74	17.41	17.19	76.04	1214.

#1	.0118	.0129	.0144	.0093	.0014	.0008	.0003	.0034	.0004
#2	.0142	.0127	.0117	.0076	.0009	.0006	.0003	.0114	-.0005

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 11/1/2010 18:06:55 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0004	.0005	.0135	.0007
Stddev	.0000	.0001	.0018	.0001
%RSD	6.374	21.34	13.03	8.033

#1	.0004	.0004	.0147	.0007
#2	.0004	.0006	.0123	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	138190.	45664.	2905.4	8656.8
Stddev	638.	565.	8.5	18.8
%RSD	.46153	1.2373	.29327	21744

#1	137740.	45265.	2899.4	8643.5
#2	138640.	46064.	2911.4	8670.1

Sample Name: CRIB Acquired: 11/1/2010 18:13:07 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CRIB Acquired: 11/1/2010 18:13:07 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Sr4077, Ti3349, W_2079, Zr3391.

Check ? Chk Pass Chk Pass Chk Pass Chk Fail
Value Range

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements include Y_3600, Y_3710, Y_2243, In2306.

Sample Name: sampleconf Acquired: 11/1/2010 18:19:13 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Sr4077, Ti3349, W_2079, Zr3391.

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements include Y_3600, Y_3710, Y_2243, In2306.

Sample Name: sampleconf Acquired: 11/1/2010 18:25:24 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements include Sr4077, Ti3349, W_2079, Zr3391.

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements include Y_3600, Y_3710, Y_2243, In2306.

Table with 10 columns of elements and 3 rows of data per element. Sample Name: JA59308-4. Includes Avg, Stddev, and %RSD values for various elements like Ba4554, Be3130, Cd2288, etc.

Raw Data MA25275 page 113 of 187

Table with 10 columns of elements and 3 rows of data per element. Sample Name: JA59308-5. Includes Avg, Stddev, and %RSD values for various elements like Ba4554, Be3130, Cd2288, etc.

Raw Data MA25275 page 114 of 187

Table with 10 columns of elements and 3 rows of data per element. Sample Name: JA59308-9. Includes Avg, Stddev, and %RSD values for various elements like Ba4554, Be3130, Cd2288, etc.

Raw Data MA25275 page 115 of 187

Table with 10 columns of elements and 3 rows of data per element. Sample Name: JA59308-10. Includes Avg, Stddev, and %RSD values for various elements like Ba4554, Be3130, Cd2288, etc.

Raw Data MA25275 page 116 of 187

12.1
12

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name, method, and various data points for multiple elements.

Raw Data MA25275 page 117 of 187

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name, method, and various data points for multiple elements.

Raw Data MA25275 page 118 of 187

Table with 11 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name, method, and various data points for multiple elements.

Raw Data MA25275 page 119 of 187

Table with 11 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Includes sample name, method, and various data points for multiple elements.

Raw Data MA25275 page 120 of 187

121 12

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name JA59810-11, method Accutest1(v58), and various data points for Avg, Stddev, and %RSD.

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name JA59810-14, method Accutest1(v58), and various data points for Avg, Stddev, and %RSD.

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name JA59810-17, method Accutest1(v58), and various data points for Avg, Stddev, and %RSD.

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Includes sample name mp55421-1c1, method Accutest1(v58), and various data points for Avg, Stddev, and %RSD.

12.1 12

Sample Name: CCV Acquired: 11/1/2010 20:59:10 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: #1, #2. Rows include 2.020, 2.062, 2.009, 2.035, 2.057, 1.977, 2.085, 2.018, .2515, 2.026, 2.068, 2.002, 2.024, 2.062, 1.970, 2.082, 2.010, .2519.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: #1, #2. Rows include 2.069, 2.071, 1.984, 2.035, 2.014, 1.982, 1.980, 40.83, 42.20, 2.064, 2.060, 1.978, 2.036, 2.002, 1.975, 1.972, 41.09, 42.25.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 10 columns: #1, #2. Rows include 41.81, 41.57, 42.00, 41.55, 2.000, 2.026, 1.979, 4.985, 2.055, 41.90, 41.65, 42.25, 41.68, 1.994, 2.018, 1.978, 4.967, 2.044.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 11/1/2010 20:59:10 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Sr4077, Ti3349, W_2079, Zr3391.

Table with 5 columns: #1, #2. Rows include 1.987, 2.017, 2.013, 2.047, 2.032, 2.015, 2.018, 2.045.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD. Rows include Y_3600, Y_3710, Y_2243, In2306.

Table with 5 columns: #1, #2. Rows include 131840, 44257, 2810.1, 7849.2, 131910, 44134, 2822.6, 7875.4.

Sample Name: CCB Acquired: 11/1/2010 21:05:14 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: #1, #2. Rows include .0004, .0004, .0002, .0002, .0005, .0008, .0006, .0001, .0002, .0005, .0005, .0001, .0002, .0004, .0008, .0005, .0000, .0000.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: #1, #2. Rows include .0005, .0003, .0003, .0012, -.0005, .0012, .0007, .0091, .0061, .0003, .0002, .0004, .0006, -.0002, .0002, .0002, .0086, .0087.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 10 columns: #1, #2. Rows include .0100, .0129, .0118, .0104, .0188, .0146, .0132, .0110, .0009, .0008, .0013, .0008, .0050, .0005, .0005, .0073, .0000.

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 11/1/2010 21:05:14 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD. Rows include Sr4077, Ti3349, W_2079, Zr3391.

Table with 5 columns: #1, #2. Rows include .0004, .0009, .0144, .0009, .0005, .0007, .0130, .0008.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD. Rows include Y_3600, Y_3710, Y_2243, In2306.

Table with 5 columns: #1, #2. Rows include 136690, 45203, 2931.7, 8676.0, 136150, 45144, 2944.5, 8693.3.

Sample Name: CCB Acquired: 11/1/2010 22:12:48 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Sample Name: JA58750-11 Acquired: 11/1/2010 22:19:01 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Sample Name: MP55422-SD1 Acquired: 11/1/2010 22:25:15 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Sample Name: JA58750-1 Acquired: 11/1/2010 22:31:20 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Ti1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 4 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Avg, Stddev, %RSD, #1, #2.

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and two replicates (#1, #2).

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and two replicates (#1, #2).

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and two replicates (#1, #2).

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and two replicates (#1, #2).

Sample Name: JA58750-6 Acquired: 11/1/2010 23:02:12 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: JA58750-7 Acquired: 11/1/2010 23:08:27 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: JA58750-8 Acquired: 11/1/2010 23:14:43 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: CCV Acquired: 11/1/2010 23:20:48 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

12.1
12

Sample Name: CCV Acquired: 11/1/2010 23:20:48 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 5 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: #1, #2, 131530, 43759, 2860.1, 7962.6, 132530, 43619, 2856.1, 7932.7.

Sample Name: CCB Acquired: 11/1/2010 23:26:52 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: #1, #2, .0005, .0003, .0002, .0001, .0004, .0006, .0005, .0001, .0000, .0000.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: #1, #2, .0067, .0085, -.0023, .0070, .0185, .0172, .0085, .0011, .0008, .0008, .0033, .0050, .0003, .0003.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 11/1/2010 23:26:52 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 5 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: #1, #2, 137930, 44205, 2981.4, 8774.4, 137560, 44221, 2987.3, 8789.8.

Sample Name: JA58750-9 Acquired: 11/1/2010 23:33:05 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: #1, #2, .3617, .3637, .0039, .0039, .0011, .0748, .0899, .1444, 4.552, .1440, .1440, .0001, .0003.

Table with 10 columns: Elem, V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 10 columns: #1, #2, .0854, .0850, .4058, .4059, .0679, .0013, .1129, .1156, .0076, .0012, 62.04, 11.79, 62.04, 11.79.

Table with 10 columns: #1, #2, 139.1, 138.4, 22.15, 22.16, 8.820, 8.870, 5853, 5918, .0127, .0121, .0001, .0003, .0021, .0015, 1.895, 1.888, .0063, .0070.

Table with 5 columns: Elem, Sr4077, Ti3349, W_2079, Zr3391. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: Int. Std., Y_3600, Y_3710, Y_2243, In2306. Rows include Units, Avg, Stddev, %RSD, #1, #2.

Table with 5 columns: #1, #2, 139380, 138820, 45819, 45675, 2977.4, 2967.2, 8255.0, 8230.1.

Sample Name: JA58750-10 Acquired: 11/1/2010 23:39:20 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: JA58750-12 Acquired: 11/1/2010 23:45:36 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: JA58750-13 Acquired: 11/1/2010 23:51:52 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Sample Name: JA58750-14 Acquired: 11/1/2010 23:58:07 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280) and 10 rows of data including Avg, Stddev, %RSD, and duplicate samples (#1, #2).

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Sample Name: JA58750-15. Acquired: 11/2/2010 0:04:21. Type: Unk. Method: Accutest1(v58). Mode: CONC. Corr. Factor: 1.000000.

Raw Data MA25275 page 169 of 187

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Sample Name: JA58750-16. Acquired: 11/2/2010 0:10:36. Type: Unk. Method: Accutest1(v58). Mode: CONC. Corr. Factor: 1.000000.

Raw Data MA25275 page 170 of 187

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Sample Name: JA58750-17. Acquired: 11/2/2010 0:16:52. Type: Unk. Method: Accutest1(v58). Mode: CONC. Corr. Factor: 1.000000.

Raw Data MA25275 page 171 of 187

Table with columns: Elem, Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280. Sample Name: JA58750-18. Acquired: 11/2/2010 0:23:06. Type: Unk. Method: Accutest1(v58). Mode: CONC. Corr. Factor: 1.000000.

Raw Data MA25275 page 172 of 187

12.1 12

Sample Name: CCV Acquired: 11/2/2010 0:29:14 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.070	2.115	2.046	2.071	2.101	2.008	2.129	2.065	.2560
Stddev	.004	.001	.007	.008	.007	.002	.006	.005	.0006
%RSD	.1978	.0420	.3664	.3956	.3263	.0999	.2930	.2494	.2523
#1	2.073	2.116	2.040	2.065	2.106	2.009	2.134	2.061	.2565
#2	2.067	2.115	2.051	2.077	2.096	2.006	2.125	2.068	.2566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.111	2.127	2.002	2.083	2.060	1.993	1.998	41.99	43.31
Stddev	.006	.004	.010	.008	.005	.007	.009	.04	.08
%RSD	.3064	.1981	.5015	.3851	.2382	.3607	.4541	.0965	.1865
#1	2.115	2.124	1.995	2.077	2.056	1.988	1.992	42.02	43.37
#2	2.106	2.130	2.009	2.088	2.063	1.999	2.005	41.97	43.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.72	42.77	43.20	42.56	2.025	2.059	2.007	5.056	2.093
Stddev	.04	.02	.18	.25	.010	.009	.002	.023	.007
%RSD	.0968	.0433	.4260	.5801	.4959	.4371	.0849	.4559	.3550
#1	42.75	42.76	43.33	42.73	2.018	2.053	2.009	5.040	2.088
#2	42.69	42.78	43.07	42.39	2.032	2.066	2.006	5.073	2.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: CCV Acquired: 11/2/2010 0:29:14 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	2.052	2.057	2.061	2.083
Stddev	.023	.005	.017	.003
%RSD	1.104	.2599	.8091	.1564
#1	2.036	2.061	2.049	2.086
#2	2.068	2.053	2.073	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	131910.	43087.	2849.5	7922.9
Stddev	151.	120.	13.0	29.1
%RSD	.11479	.27845	.45452	.36745
#1	131800.	43002.	2858.7	7943.5
#2	132020.	43172.	2840.4	7902.4

Sample Name: CCB Acquired: 11/2/2010 0:35:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0002	.0002	.0002	.0005	.0004	.0002	.0000
Stddev	.0000	.0000	.0001	.0000	.0000	.0000	.0000	.0001	.0001
%RSD	13.07	8.563	64.71	1.542	10.11	3.204	2.835	81.32	475.6
#1	.0003	.0003	.0003	.0002	.0002	.0004	.0004	.0001	.0001
#2	.0004	.0003	.0001	.0002	.0003	.0005	.0004	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0003	.0013	.0000	.0010	.0003	.0037	.0014
Stddev	.0002	.0002	.0003	.0006	.000	.0010	.0002	.0029	.0003
%RSD	92.57	206.6	82.29	44.66	586.2	103.3	57.27	78.35	20.08
#1	.0003	.0002	.0005	.0009	.0000	.0003	.0002	.0017	.0016
#2	.0001	.0000	.0001	.0017	-.0001	.0018	.0004	.0058	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073	.0035	.0268	.0073	.0010	.0008	.0006	.0046	-.0001
Stddev	.0008	.0016	.0117	.0035	.0002	.0002	.0005	.0004	.0001
%RSD	11.11	44.62	43.46	47.65	25.21	20.05	81.06	8.067	123.2
#1	.0067	.0024	.0351	.0097	.0012	.0010	.0010	.0043	.0000
#2	.0079	.0046	.0186	.0048	.0008	.0007	.0003	.0049	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 11/2/2010 0:35:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0003	.0006	.0139	.0009
Stddev	.0000	.0002	.0018	.0000
%RSD	13.74	31.91	12.93	1.463
#1	.0003	.0004	.0152	.0008
#2	.0003	.0007	.0127	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				
Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	136670.	44383.	2991.6	8785.3
Stddev	1095.	420.	1.2	8.4
%RSD	.80103	.94715	.03915	.09599
#1	135900.	44086.	2990.8	8779.3
#2	137450.	44680.	2992.5	8791.3

Zoom In Zoom Out

Sample Name: crib Acquired: 11/2/2010 0:41:32 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Zoom In Zoom Out

Sample Name: crib Acquired: 11/2/2010 0:41:32 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Sr4077, Ti3349, W_2079, Zr3391.

Check ? Chk Pass Chk Pass Chk Pass Chk Fail
Value Range .2000 -50.00%

Table with 4 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements: Y_3600, Y_3710, Y_2243, In2306.

Table with 4 columns: Units, Avg, Stddev, %RSD, #1, #2. Elements: Cts/S, Cts/S, Cts/S, Cts/S.

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 11/2/2010 0:47:38 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Sr4077, Ti3349, W_2079, Zr3391.

Table with 4 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements: Y_3600, Y_3710, Y_2243, In2306.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 11/2/2010 0:53:45 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Ba4554, Be3130, Cd2288, Co2286, Cr2677, Cu3247, Mn2576, Ni2316, Ag3280.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: V_2924, Zn2062, As1890, Tl1908, Pb2203, Se1960, Sb2068, Al3961, Ca3179.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Fe2599, Mg2790, K_7664, Na5895, B_2089, Mo2020, Pd3404, Si2124, Sn1899.

Table with 10 columns: Elem, Units, Avg, Stddev, %RSD, #1, #2. Elements: Sr4077, Ti3349, W_2079, Zr3391.

Table with 4 columns: Int. Std., Units, Avg, Stddev, %RSD, #1, #2. Elements: Y_3600, Y_3710, Y_2243, In2306.

Zoom In
Zoom Out

Sample Name: ICSA Acquired: 11/2/2010 0:53:45 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0005	.0045	.0444	.0011
Stddev	.0001	.0001	.0008	.0003
%RSD	10.05	2.587	1.790	22.93

#1	.0005	.0046	.0449	.0009
#2	.0005	.0044	.0438	.0013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	121360.	40334.	2596.1	6681.6
Stddev	265.	362.	10.3	29.4
%RSD	.21812	.89864	.39568	.44016

#1	121550.	40590.	2603.4	6702.4
#2	121180.	40077.	2588.9	6660.8

Zoom In
Zoom Out

Sample Name: ICSAB Acquired: 11/2/2010 1:00:03 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5496	.5363	1.106	.4901	.5387	.5446	.5340	1.041	1.175
Stddev	.0006	.0004	.001	.0001	.0005	.0030	.0017	.001	.001
%RSD	.1005	.0743	.0670	.0171	.0850	.5516	.3124	.0455	.0493

#1	.5500	.5360	1.105	.4902	.5390	.5425	.5351	1.041	1.174
#2	.5492	.5366	1.106	.4901	.5383	.5468	.5328	1.040	1.175

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.963	.9866	1.071	1.036	1.043	1.030	1.083	528.9	410.1
Stddev	.0017	.0010	.001	.001	.002	.004	.002	5.5	2.9
%RSD	.3399	.1007	.0574	.0795	.1587	.3900	.1516	1.031	.6982

#1	.4975	.9859	1.072	1.037	1.042	1.033	1.081	525.1	408.0
#2	.4951	.9873	1.071	1.036	1.044	1.027	1.084	532.8	412.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	197.8	568.2	.0880	.4781	-.0027	5.211	.5653	-.0072	-.0088
Stddev	.0	.1	.0039	.0036	.0004	.0006	.0013	.0005	.0000
%RSD	.0058	.0230	4.405	.7457	14.13	.1099	.2303	7.513	.4439

#1	197.8	568.1	.0907	.4756	-.0030	5.207	.5643	-.0076	-.0088
#2	197.8	568.3	.0852	.4806	-.0024	5.215	.5662	-.0068	-.0087

Check ? Chk Pass Chk Pass None None None Chk Pass Chk Pass None None
 Value
 Range

Zoom In
Zoom Out

Sample Name: ICSAB Acquired: 11/2/2010 1:00:03 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0005	.0042	.5490	.5340
Stddev	.0001	.0001	.0006	.0007
%RSD	11.85	3.308	.1180	.1280

#1	.0005	.0041	.5486	.5335
#2	.0004	.0043	.5495	.5344

Check ? None None Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	121200.	40707.	2593.9	6650.6
Stddev	110.	41.	3.0	2.4
%RSD	.09069	.10147	.11502	.03646

#1	121270.	40678.	2596.0	6648.9
#2	121120.	40736.	2591.8	6652.3

Zoom In
Zoom Out

Sample Name: CCV Acquired: 11/2/2010 1:06:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.133	2.031	2.054	2.120	2.012	2.148	2.058	.2580
Stddev	.012	.004	.021	.024	.009	.004	.008	.025	.0010
%RSD	.5651	.1835	1.060	1.150	.4372	.2258	.3926	1.188	.3872

#1	2.065	2.130	2.015	2.037	2.114	2.009	2.142	2.041	.2573
#2	2.082	2.135	2.046	2.071	2.127	2.015	2.154	2.076	.2587

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.130	2.124	1.981	2.076	2.053	1.971	1.972	42.30	43.82
Stddev	.009	.027	.024	.027	.026	.024	.022	.18	.04
%RSD	.4278	1.284	1.226	1.312	1.290	1.222	1.135	.4277	.0848

#1	2.123	2.104	1.964	2.057	2.034	1.954	1.956	42.17	43.85
#2	2.136	2.143	1.998	2.095	2.071	1.988	1.987	42.43	43.79

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.07	43.42	43.31	42.53	2.000	2.039	2.015	5.016	2.074
Stddev	.07	.00	.13	.21	.024	.023	.003	.049	.024
%RSD	.1710	.0092	.2989	.4958	1.180	1.141	.1657	.9704	1.161

#1	43.01	43.42	43.22	42.39	1.984	2.023	2.013	4.981	2.056
#2	43.12	43.42	43.40	42.68	2.017	2.056	2.018	5.050	2.091

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

121
12

Sample Name: CCV Acquired: 11/2/2010 1:06:20 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	2.039	2.073	2.046	2.098
Stddev	.023	.008	.030	.005
%RSD	1.148	.4066	1.478	.2445

#1	2.023	2.067	2.024	2.094
#2	2.056	2.079	2.067	2.102

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132760.	42871.	2905.7	8044.5
Stddev	327.	21.	27.3	88.3
%RSD	.24657	.04839	.94114	1.0979

#1	132990.	42886.	2925.0	8106.9
#2	132530.	42857.	2886.4	7982.0

Sample Name: CCB Acquired: 11/2/2010 1:12:25 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0004	.0002	.0003	.0005	.0003	.0002	.0000
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0000	.0000	.0001
%RSD	21.49	16.81	2.724	18.03	20.41	15.08	14.13	5.361	1374.

#1	.0002	.0002	.0004	.0002	.0002	.0005	.0003	.0003	.0001
#2	.0002	.0002	.0004	.0002	.0003	.0006	.0004	.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0008	.0021	-.0001	.0010	-.0002	.0135	.0109
Stddev	.0001	.0002	.0006	.0001	.0004	.0013	.0003	.0007	.0026
%RSD	29.02	174.4	75.66	5.718	682.6	131.6	123.9	5.314	23.54

#1	.0002	.0003	.0012	.0022	.0002	.0019	.0000	.0140	.0091
#2	.0003	.0000	.0004	.0020	-.0003	.0001	-.0004	.0130	.0127

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sr1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.0224	.0404	.0051	.0009	.0010	.0007	.0037	.0000
Stddev	.0018	.0141	.0007	.0030	.0001	.0002	.0005	.0003	.0003
%RSD	21.14	62.74	1.794	59.54	15.74	21.60	71.97	8.707	1449.

#1	.0073	.0125	.0398	.0072	.0010	.0012	.0010	.0035	.0002
#2	.0099	.0323	.0409	.0029	.0008	.0009	.0003	.0040	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/2/2010 1:12:25 Type: QC
 Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0002	.0004	.0160	.0009
Stddev	.0001	.0001	.0017	.0000
%RSD	26.13	12.71	10.34	3.836

#1	.0002	.0004	.0172	.0009
#2	.0003	.0005	.0148	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	138450.	44141.	3016.6	8847.0
Stddev	486.	42.	17.6	36.5
%RSD	.35088	.09573	.58402	.41225

#1	138800.	44171.	3029.0	8872.8
#2	138110.	44111.	3004.1	8821.2

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	2	Mg	0.000007	0.000000	No
			Al	0.000002	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	10	V	0.000140	0.000000	No
			Mo	-0.000037	0.000000	No
			Ti	-0.000320	0.000000	No
			Mn	-0.000033	0.000000	No
			Ba	0.000015	0.000000	No
			Co	0.000010	0.000000	No
			Ni	0.000004	0.000000	No
			Ca	0.000000	0.000000	No
			Cu	0.000034	0.000000	No
			Zn	-0.000010	0.000000	No
Cd 228.802 {448}	<input checked="" type="checkbox"/>	13	As	0.016700	0.000000	No
			Ni	-0.000119	0.000000	No
			Fe	0.000016	0.000000	No
			V	0.000061	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	-0.003447	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	-0.000021	0.000000	No
			Cr	0.000025	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000026	0.000000	No
			W	-0.000550	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	8	Fe	0.000015	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001530	0.000000	No
			Ni	0.000106	0.000000	No
			Ti	0.001962	0.000000	No
			Ba	0.000080	0.000000	No
			W	0.000660	0.000000	No
			Cd	-0.000060	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	13	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000011	0.000000	No
			W	0.000253	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	0.000006	0.000000	No
			Ca	-0.000001	0.000000	No
			Mg	0.000000	0.000000	No
			Ti	0.000100	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	-0.000005	0.000000	No
			Cu	0.000100	0.000000	No
Cu 324.754 {104}2	<input checked="" type="checkbox"/>	13	Cr	-0.000171	0.000000	No
			V	-0.000183	0.000000	No
			Mo	0.000156	0.000000	No
			Ti	-0.000182	0.000000	No
			Fe	-0.000197	0.000000	No
			Al	0.000000	0.000000	No
			Sn	0.000203	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.001800	0.000000	No
			Zr	-0.000100	0.000000	No
			Si	0.000120	0.000000	No
			Mn	0.000000	0.000000	No
			Se	0.000850	0.000000	No
Mn 257.610 {131}	<input checked="" type="checkbox"/>	4	Fe	-0.000022	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000100	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ni 231.604 {446}	<input checked="" type="checkbox"/>	15	As	0.000200	0.000000	No
			Fe	0.000010	0.000000	No
			Zn	0.000079	0.000000	No
			Be	0.000087	0.000000	No
			Co	0.000059	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	0.000150	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Al	0.000001	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
Ag 328.068 {103}	<input checked="" type="checkbox"/>	10	Ba	0.000000	0.000000	No
			Mn	0.000010	0.000000	No
			Mo	0.000023	0.000000	No
			Tl	-0.000008	0.000000	No
			Fe	-0.000028	0.000000	No
			V	-0.004600	0.000000	No
			Zn	-0.000048	0.000000	No
			W	0.000030	0.000000	No
			Ca	0.000000	0.000000	No
			Zr	0.005376	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	6	Al	-0.000004	0.000000	No
			Tl	0.000430	0.000000	No
			Mo	-0.000100	0.000000	No
			Fe	-0.000006	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003944	0.000000	No
Zn 206.200 {464}	<input checked="" type="checkbox"/>	12	Mn	-0.000370	0.000000	No
			Cr	-0.000950	0.000000	No
			Mo	-0.000070	0.000000	No
			Fe	0.000013	0.000000	No
			Al	-0.000003	0.000000	No
			Si	-0.000035	0.000000	No
			Mn	0.000205	0.000000	No
			Ba	0.000390	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000007	0.000000	No
			Sr	-0.000833	0.000000	No
			Sn	0.000255	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	20	Cu	0.000056	0.000000	No
			Al	0.000008	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000003	0.000000	No
			Mo	0.001800	0.000000	No
			Cr	0.000562	0.000000	No
			V	0.000057	0.000000	No
			Co	-0.000558	0.000000	No
			Ba	0.000033	0.000000	No
			W	0.001590	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000228	0.000000	No
			Tl	0.000110	0.000000	No
			Be	-0.000007	0.000000	No
			Mg	0.000000	0.000000	No
			Si	0.000005	0.000000	No
			Zn	-0.000135	0.000000	No
			Sr	-0.000080	0.000000	No

12.1.1
12

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Pd	0.032230	0.000000	No
			Zr	0.002000	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	22	Cr	0.000380	0.000000	No
			Mo	-0.004960	0.000000	No
			Al	-0.000002	0.000000	No
			Fe	-0.000132	0.000000	No
			V	-0.024000	0.000000	No
			Mn	0.000837	0.000000	No
			Si	-0.000039	0.000000	No
			Ca	-0.000001	0.000000	No
			Ti	-0.000681	0.000000	No
			Na	0.000000	0.000000	No
			Mg	-0.000003	0.000000	No
			Co	0.004490	0.000000	No
			Sr	-0.000041	0.000000	No
			B	-0.000026	0.000000	No
			Ba	-0.001409	0.000000	No
			Zn	0.000321	0.000000	No
			As	-0.000047	0.000000	No
			W	-0.042400	0.000000	No
			Ni	0.000056	0.000000	No
			Cu	0.000022	0.000000	No
			Zr	-0.002000	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	22	Pd	-0.000500	0.000000	No
			Al	-0.000097	0.000000	No
			Fe	0.000058	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000063	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.001174	0.000000	No
			Ni	0.000382	0.000000	No
			Cu	0.000160	0.000000	No
			V	-0.000088	0.000000	No
			Co	0.000211	0.000000	No
			Ti	-0.000003	0.000000	No
			Si	0.000148	0.000000	No
			Ba	-0.000030	0.000000	No
			Sb	-0.000200	0.000000	No
			K	0.000000	0.000000	No
			Sr	-0.000060	0.000000	No
			W	-0.006750	0.000000	No
			Mg	0.000000	0.000000	No
			Cd	-0.000018	0.000000	No
			Cr	0.000022	0.000000	No
			Pd	0.000170	0.000000	No
			Zr	-0.000500	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	20	Al	-0.000005	0.000000	No
			Ca	0.000007	0.000000	No
			Mn	0.000323	0.000000	No
			Mo	0.000081	0.000000	No
			Fe	-0.000223	0.000000	No
			Co	-0.000586	0.000000	No
			V	0.000007	0.000000	No
			Sr	-0.000125	0.000000	No
			Cu	-0.000007	0.000000	No
			W	0.007206	0.000000	No
			Si	0.000011	0.000000	No
			Tl	0.000204	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000130	0.000000	No
			B	0.000025	0.000000	No
			Pd	-0.006682	0.000000	No

12.1.1
12

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000200	0.000000	No
			Cd	-0.000210	0.000000	No
			Zr	-0.000400	0.000000	No
			Ba	0.007219	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	13	Fe	0.000016	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000001	0.000000	No
			Ni	0.001489	0.000000	No
			Cr	0.007570	0.000000	No
			V	-0.001344	0.000000	No
			Zn	0.000188	0.000000	No
			Mo	0.000390	0.000000	No
			Ti	0.000220	0.000000	No
			Sn	-0.012900	0.000000	No
			W	-0.000500	0.000000	No
			Mg	0.000001	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	4	Zr	-0.001300	0.000000	No
			Si	0.002976	0.000000	No
			Ca	0.000218	0.000000	No
			Mo	0.038910	0.000000	No
			Zr	-0.031182	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	15	Fe	0.000150	0.000000	No
			Ti	0.000560	0.000000	No
			W	0.023000	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.016000	0.000000	No
			Ba	0.008500	0.000000	No
			Cu	0.015200	0.000000	No
			Cd	0.008700	0.000000	No
			Ni	0.006667	0.000000	No
			Pd	0.097700	0.000000	No
			Mn	0.000000	0.000000	No
			B	0.021790	0.000000	No
			Se	0.017000	0.000000	No
			Co	0.027000	0.000000	No
			Cr	0.024000	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	13	Co	0.000004	0.000000	No
			Si	-0.001181	0.000000	No
			Tl	0.002602	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	0.000000	0.000000	No
			V	0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.001830	0.000000	No
			Zn	0.007900	0.000000	No
			Ti	0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
Mg 279.079 {121}	<input checked="" type="checkbox"/>	3	Mo	-0.010250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 {44}	<input checked="" type="checkbox"/>	11	Fe	-0.000340	0.000000	No
			Al	-0.000023	0.000000	No
			Ca	0.000179	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	-0.004000	0.000000	No
			Ba	0.007300	0.000000	No

12.1.1
12

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Na 589.592 { 57}	<input checked="" type="checkbox"/>	4	Mo	-0.000850	0.000000	No
			K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000050	0.000000	No
B 208.959 {462}	<input checked="" type="checkbox"/>	1	Mo	0.037990	0.000000	No
			Mo 202.030 {467}	<input checked="" type="checkbox"/>	5	Co
	Al	0.000016	0.000000			No
			Fe	-0.000010	0.000000	No
			Mg	-0.000026	0.000000	No
Pd 340.458 { 99}	<input checked="" type="checkbox"/>	7	Ca	0.000003	0.000000	No
			Ti	-0.000339	0.000000	No
			V	0.000132	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000444	0.000000	No
			Mo	-0.001720	0.000000	No
			Zr	0.009955	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	11	Co	-0.003300	0.000000	No
			Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.014750	0.000000	No
			V	-0.000260	0.000000	No
			Ti	0.002730	0.000000	No
			Al	-0.000027	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000044	0.000000	No
			Sn	0.005721	0.000000	No
Sn 189.989 {478}	<input checked="" type="checkbox"/>	5	Zn	0.000385	0.000000	No
			Ti	-0.000590	0.000000	No
			Mo	0.000071	0.000000	No
			Fe	0.000043	0.000000	No
			Mn	0.000501	0.000000	No
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	2	Si	0.000131	0.000000	No
			Fe	0.000000	0.000000	No
Ti 334.904 {101}	<input checked="" type="checkbox"/>	3	Ca	0.000020	0.000000	No
			Cr	0.000189	0.000000	No
			Mo	0.001417	0.000000	No
Y 360.073 { 94}* Y 371.030 { 91}* Y 224.306 {451}* In 230.606 {446}* W 207.911 {462}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None None 25	Al	-0.000018	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	-0.000026	0.000000	No
			Fe	-0.000077	0.000000	No
			As	-0.005400	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000900	0.000000	No
			Mo	-0.000900	0.000000	No
			Ti	-0.002000	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.001300	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000880	0.000000	No
			Zn	0.006121	0.000000	No
			Pd	-0.011600	0.000000	No
			Sn	-0.000500	0.000000	No
			Zr	0.005930	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.001000	0.000000	No

12.1.1
12

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Co	-0.001000	0.000000	No
			Ni	-0.001000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	0.001100	0.000000	No
			Cu	-0.001300	0.000000	No
			Ba	-0.001000	0.000000	No
Zr 339.198 { 99}	<input checked="" type="checkbox"/>	3	Mo	0.000700	0.000000	No
			Ti	0.002900	0.000000	No
			Fe	-0.000060	0.000000	No

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 908	08:57:38	05 Nov 10	HG	
Hg	.000	ppb	10351					
*** Standard: 2 Rep: 1				Seq: 909	08:58:52	05 Nov 10	HG	
Hg	.200	ppb	27508					
*** Standard: 3 Rep: 1				Seq: 910	09:00:23	05 Nov 10	HG	
Hg	.500	ppb	50744					
*** Standard: 4 Rep: 1				Seq: 911	09:01:42	05 Nov 10	HG	
Hg	1.00	ppb	92997					
*** Standard: 5 Rep: 1				Seq: 912	09:03:02	05 Nov 10	HG	
Hg	2.50	ppb	206800					
*** Standard: 6 Rep: 1				Seq: 913	09:04:24	05 Nov 10	HG	
Hg	5.00	ppb	401705					
*** Sample ID: ICV				Seq: 914	09:17:50	05 Nov 10	HG	
Hg	2.96	ppb	.000 %	2.96				
=====								
*** Sample ID: ICB				Seq: 915	09:19:01	05 Nov 10	HG	
Hg	-.042	ppb	.000 %	-.042				
*** Check Standard: 2 Ck2ccv				Seq: 916	09:20:23	05 Nov 10	HG	
Line Flag %Rcv. Found True Units SD/RSD								
Hg		101.	2.51	2.50	ppb	.000 %		
*** Check Standard: 1 Ck1ccb				Seq: 917	09:21:32	05 Nov 10	HG	
Line Flag Found Range(+/-) Units SD/RSD								
Hg		-.049	.200	ppb	.000 %			
*** Sample ID: CRA				Seq: 918	09:22:43	05 Nov 10	HG	
Hg	.183	ppb	.000 %	.183				
=====								
*** Sample ID: MP55478-MB				Seq: 919	09:23:54	05 Nov 10	HG	
Hg	-.033	ppb	.000 %	-.033				
=====								
*** Sample ID: MP55478-LC				Seq: 920	09:25:22	05 Nov 10	HG	
Hg	2.93	ppb	.000 %	2.93				

122 12

```
=====  
*** Sample ID: MP55478-S1          Seq: 921      10:13:02 05 Nov 10  HG  
Hg   1.69      ppb      .000  %    1.69  
=====
```

12.2
12

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MP55478-S2								
				Seq:	922	10:14:22	05 Nov 10	HG
Hg	1.73	ppb	.000 %	1.73				
=====								
*** Sample ID: JA58750-11								
				Seq:	923	10:15:35	05 Nov 10	HG
Hg	-.026	ppb	.000 %	-.026				
=====								
*** Sample ID: JA58750-2								
				Seq:	924	10:16:45	05 Nov 10	HG
Hg	.022	ppb	.000 %	.022				
=====								
*** Sample ID: JA58750-3								
				Seq:	925	10:18:04	05 Nov 10	HG
Hg	-.013	ppb	.000 %	-.013				
=====								
*** Sample ID: JA58750-4								
				Seq:	926	10:19:14	05 Nov 10	HG
Hg	-.007	ppb	.000 %	-.007				
=====								
*** Sample ID: JA58750-5								
				Seq:	927	10:20:47	05 Nov 10	HG
Hg	-.023	ppb	.000 %	-.023				
=====								
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.4	2.41	2.50	ppb	.000 %		
Seq: 928 10:22:17 05 Nov 10 HG								
=====								
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.035	.200	ppb	.000 %			
Seq: 929 10:23:45 05 Nov 10 HG								
=====								
*** Sample ID: JA58750-6								
				Seq:	930	10:24:53	05 Nov 10	HG
Hg	-.013	ppb	.000 %	-.013				
=====								
*** Sample ID: JA58750-7								
				Seq:	931	10:26:04	05 Nov 10	HG
Hg	-.011	ppb	.000 %	-.011				
=====								
*** Sample ID: JA58750-8								
				Seq:	932	10:27:42	05 Nov 10	HG
Hg	-.005	ppb	.000 %	-.005				
=====								
*** Sample ID: JA58750-9								
				Seq:	933	10:29:03	05 Nov 10	HG
Hg	.005	ppb	.000 %	.005				

122 12

=====
*** Sample ID: JA58750-10 Seq: 934 10:30:12 05 Nov 10 HG
Hg .007 ppb .000 % .007
=====

12.2
12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: JA58750-1								
				Seq: 935	10:32:02	05	Nov	10 HG
Hg	.031	ppb	.000 %	.031				
*** Sample ID: JA58750-12								
				Seq: 936	10:33:23	05	Nov	10 HG
Hg	-.014	ppb	.000 %	-.014				
*** Sample ID: JA58750-13								
				Seq: 937	10:34:33	05	Nov	10 HG
Hg	.011	ppb	.000 %	.011				
*** Sample ID: JA58750-14								
				Seq: 938	10:36:05	05	Nov	10 HG
Hg	-.008	ppb	.000 %	-.008				
*** Sample ID: JA58750-15								
				Seq: 939	10:37:35	05	Nov	10 HG
Hg	-.003	ppb	.000 %	-.003				
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.0	2.43	2.50	ppb	.000 %		
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.059	.200	ppb	.000 %			
*** Sample ID: JA58750-16								
				Seq: 942	10:41:57	05	Nov	10 HG
Hg	.016	ppb	.000 %	.016				
*** Sample ID: JA58750-17								
				Seq: 943	10:43:16	05	Nov	10 HG
Hg	.008	ppb	.000 %	.008				
*** Sample ID: JA58750-18								
				Seq: 944	10:44:44	05	Nov	10 HG
Hg	.019	ppb	.000 %	.019				
*** Sample ID: JA59250-1								
				Seq: 945	10:45:53	05	Nov	10 HG
Hg	17.2	ppb	.000 %	17.2				
*** Sample ID: JA59250-2								
				Seq: 946	10:47:03	05	Nov	10 HG
Hg	4.83	ppb	.000 %	4.83				

122 12

```
=====
*** Sample ID: MP55479-MB          Seq: 947      10:48:21 05 Nov 10  HG
Hg  - .053      ppb           1          .000  %  - .053
=====
```

12.2
12

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MP55479-LC								
					Seq: 948	10:49:50	05 Nov 10	HG
Hg	2.84	ppb	.000 %	2.84				
*** Sample ID: MP55479-S1								
					Seq: 949	10:51:01	05 Nov 10	HG
Hg	38.8	ppb	.000 %	38.8				
*** Sample ID: MP55479-S2								
					Seq: 950	10:52:35	05 Nov 10	HG
Hg	36.7	ppb	.000 %	36.7				
*** Sample ID: JA59250-12								
					Seq: 951	10:53:58	05 Nov 10	HG
Hg	41.8	ppb	.000 %	41.8				
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	L	89.4	2.24	2.50	ppb	.000 %		
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.058	.200	ppb	.000 %			
*** Sample ID: JA59250-4								
					Seq: 954	10:58:11	05 Nov 10	HG
Hg	.698	ppb	.000 %	.698				
*** Sample ID: JA59250-5								
					Seq: 955	11:00:05	05 Nov 10	HG
Hg	1.50	ppb	.000 %	1.50				
*** Sample ID: JA59250-6								
					Seq: 956	11:01:23	05 Nov 10	HG
Hg	.442	ppb	.000 %	.442				
*** Sample ID: JA59250-7								
					Seq: 957	11:02:37	05 Nov 10	HG
Hg	22.5	ppb	.000 %	22.5				
*** Sample ID: JA59250-8								
					Seq: 958	11:03:46	05 Nov 10	HG
Hg	31.2	ppb	.000 %	31.2				
*** Sample ID: JA59250-9								
					Seq: 959	11:05:05	05 Nov 10	HG
Hg	22.6	ppb	.000 %	22.6				

122 12

```

=====
*** Sample ID: JA59250-1          Seq: 960      11:07:15 05 Nov 10  HG
                                Wgt 1.0000 Vol 10.000
Hg   43.1   ppb       .000 %    43.1
=====

```

12.2
12

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MP55479-S1								
				Seq: 961	11:09:32	05 Nov 10	HG	
Hg	62.0	ppb	.000 %	62.0	Wgt 1.0000	Vol 10.000		
*** Sample ID: MP55479-S1								
				Seq: 962	11:12:55	05 Nov 10	HG	
Hg	61.8	ppb	.000 %	61.8	Wgt 1.0000	Vol 20.000		
=====								
*** Sample ID: MP55479-S2								
				Seq: 963	11:14:05	05 Nov 10	HG	
Hg	55.4	ppb	.000 %	55.4	Wgt 1.0000	Vol 20.000		
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		94.2	2.36	2.50	ppb	.000 %		
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.047	.200	ppb	.000 %			
*** Sample ID: JA59250-12								
				Seq: 966	11:17:58	05 Nov 10	HG	
Hg	71.7	ppb	.000 %	71.7	Wgt 1.0000	Vol 20.000		
=====								
*** Sample ID: JA59250-7								
				Seq: 967	11:20:55	05 Nov 10	HG	
Hg	25.2	ppb	.000 %	25.2	Wgt 1.0000	Vol 20.000		
=====								
*** Sample ID: JA59250-8								
				Seq: 968	11:22:24	05 Nov 10	HG	
Hg	41.8	ppb	.000 %	41.8	Wgt 1.0000	Vol 20.000		
=====								
*** Sample ID: JA59250-9								
				Seq: 969	11:24:13	05 Nov 10	HG	
Hg	26.3	ppb	.000 %	26.3	Wgt 1.0000	Vol 20.000		
=====								
*** Sample ID: JA59250-10								
				Seq: 970	11:26:35	05 Nov 10	HG	
Hg	197.	ppb	.000 %	197.	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA59250-10								
				Seq: 971	11:35:31	05 Nov 10	HG	
Hg	203.	ppb	.000 %	203.	Wgt 1.0000	Vol 200.00		
=====								
*** Sample ID: JA59250-11								
				Seq: 972	11:36:52	05 Nov 10	HG	
Hg	2.31	ppb	.000 %	2.31	Wgt 1.0000	Vol 20.000		
=====								

122 12

*** Sample ID: JA59250-3 Seq: 973 11:38:21 05 Nov 10 HG
Hg 2.01 ppb .000 % 2.01 Wgt 1.0000 Vol 20.000

=====
*** Sample ID: JA59250-13 Seq: 974 11:39:35 05 Nov 10 HG
Hg 12.7 ppb .000 % 12.7 Wgt 1.0000 Vol 20.000
=====

12.2
12

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: JA59250-14								
				Seq: 975	11:43:29	05 Nov 10	HG	
Hg	17.0	ppb	.000 %	17.0	Wgt 1.0000	Vol 10.000		
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		92.6	2.31	2.50	ppb	.000 %		
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.039	.200	ppb	.000 %			
*** Sample ID: JA59250-15								
				Seq: 978	11:47:57	05 Nov 10	HG	
Hg	28.9	ppb	.000 %	28.9	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA59250-16								
				Seq: 979	11:49:37	05 Nov 10	HG	
Hg	76.9	ppb	.000 %	76.9	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA59250-17								
				Seq: 980	11:51:08	05 Nov 10	HG	
Hg	37.1	ppb	.000 %	37.1	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA59250-18								
				Seq: 981	11:52:27	05 Nov 10	HG	
Hg	23.5	ppb	.000 %	23.5	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA59250-19								
				Seq: 982	11:53:59	05 Nov 10	HG	
Hg	4.87	ppb	.000 %	4.87	Wgt 1.0000	Vol 10.000		
*** Sample ID: JA58781-1								
				Seq: 983	11:55:50	05 Nov 10	HG	
Hg	.040	ppb	.000 %	.040				
*** Sample ID: JA58781-2								
				Seq: 984	11:57:05	05 Nov 10	HG	
Hg	-.039	ppb	.000 %	-.039				
*** Sample ID: JA58781-3								
				Seq: 985	11:58:25	05 Nov 10	HG	
Hg	-.029	ppb	.000 %	-.029				
*** Sample ID: JA59250-16								
				Seq: 986	11:59:48	05 Nov 10	HG	
Hg	75.0	ppb	.000 %	75.0	Wgt 1.0000	Vol 20.000		

122 12

=====
*** Sample ID: JA59250-19 Seq: 987 12:01:36 05 Nov 10 HG
=====
Hg 4.06 ppb .000 % 4.06
=====

12.2
12

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		90.7	2.27	2.50	ppb	.000 %		
Seq: 988 12:02:49 05 Nov 10 HG								
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.046	.200	ppb	.000 %			
Seq: 989 12:03:58 05 Nov 10 HG								
*** Sample ID: JA59250-11								
Hg	5.10	ppb	.000 %	5.10				
Seq: 990 12:05:37 05 Nov 10 HG								
=====								
*** Sample ID: JA59250-3								
Hg	4.95	ppb	.000 %	4.95				
Seq: 991 12:06:59 05 Nov 10 HG								
=====								
*** Sample ID: JA59250-13								
Hg	14.5	ppb	.000 %	14.5				
Seq: 992 12:08:09 05 Nov 10 HG								
Wgt 1.0000 Vol 10.000								
=====								
*** Sample ID: JA59250-11								
Hg	5.02	ppb	.000 %	5.02				
Seq: 993 12:10:21 05 Nov 10 HG								
Wgt 1.0000 Vol 2.0000								
=====								
*** Check Standard: 2 Ck2ccv								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		91.5	2.29	2.50	ppb	.000 %		
Seq: 994 12:11:31 05 Nov 10 HG								
*** Check Standard: 1 Ck1ccb								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.039	.200	ppb	.000 %			
Seq: 995 12:12:43 05 Nov 10 HG								

122 12

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
 Matrix: Soil

MA Batch #: MA25293
 Analyst: JOSHUAF
 Date: 11/3/2010 12:18
 Balance ID: 24
 Reagents: See attached sheet
 Thermometer ID: 130

Methods (Circle as appropriate)

SW846 7471A

EPA 245.5 CLP-M

Type of Digestion: Hot Block: Start Time: 14:00 Temp: 96-33 End Time: 18:30 Temp: 96-33
 Water Bath: Start Time: _____ Temp: _____ End Time: _____ Temp: _____
 Autoclave: Start Time: _____ End Time: _____ Temp/Pressure: _____

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used		Spike lot and Conc (mg/L)	MP Number	Comments
				Amount Spiked	Added Y or N			
1	ICV		100	3.0 ml	Y	0.1		
2	ICB							
	CCV			2.5 ml	Y	0.1		
	CCB							
3	CRA			2.0 ml	Y	0.01		
4	MP55478-MB1	0.6000					MP55478	
5	MP55478-LC1	0.1004						
6	MP55478-S1	0.6482		2.0 ml		0.1		JA58750-11
7	MP55478-S2	0.6952		2.0 ml		0.1		JA58750-11
8	JA58750-11	0.6746						
9	JA58750-2	0.6023						
10	JA58750-3	0.6278						
11	JA58750-4	0.6677						
12	JA58750-5	0.6965						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JA58750-6	0.6326						
14	JA58750-7	0.6778						
15	JA58750-8	0.6917						
16	JA58750-9	0.6994						
17	JA58750-10	0.6429						
18	JA58750-1	0.6583						
19	JA58750-12	0.6390						
20	JA58750-13	0.6135						
21	JA58750-14	0.6494						
22	JA58750-15	0.6948						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JA58750-16	0.6418						
24	JA58750-17	0.6655						
25	JA58750-18	0.6668						
26	JA59250-1	0.6263						
27	JA59250-2	0.6345						
28	MP55479-MB1	0.6000					MP55479	
29	MP55479-LC1	0.1008						
30	MP55479-S1	0.6725						JA59250-12
31	MP55479-S2	0.6198						JA59250-12
32	JA59250-12	0.6410						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
 Revision Date: 06/09/08

ANALYST: [Signature]
 QC REVIEWER: _____

DATE: 10/3/10
 DATE: _____

12.3.1 12



Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #: MA25293
Analyst: JOSHUAF
Date: 11/3/2010 12:18
Balance ID: 24
Reagents: See attached sheet
Thermometer ID: 130

Methods (Circle as appropriate)

SW846 7471A

EPA 245.5 CLP-M

Type of Digestion: Hot Block: Start Time: 14:00 Temp: 96-3 End Time: 14:30 Temp: 97
Water Bath: Start Time: Temp: End Time: Temp:
Autoclave: Start Time: End Time: Temp/Pressure:

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used		Spike lot and Conc (mg/L)	MP Number	Comments
				Amount Spiked	Added Y or N			
33	JA59250-4	0.6418	100					
34	JA59250-5	0.6401						
35	JA59250-6	0.6285						
36	JA59250-7	0.623						
37	JA59250-8	0.6435						
38	JA59250-9	0.6443						
39	JA59250-10	0.6240						
40	JA59250-11	0.6571						
41	JA59250-3	0.6824						
42	JA59250-13	0.6307						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JA59250-14	0.6020						
44	JA59250-15	0.6737						
45	JA59250-16	0.6675						
46	JA59250-17	0.6326						
47	JA59250-18	0.6478						
48	JA59250-19	0.6211						
49	JA58781-1	0.6518						
50	JA58781-2	0.6147						
51	JA58781-3	0.6493						
52								
	CCV			2.5 ml	Y	0.1		
	CCB							
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
	CCV			2.5 ml	Y	0.1		
	CCB							
63								
64								
65								
66								

12.3.1 12

Form: GN-022F
Revision Date: 06/09/08

ANALYST: ding
QC REVIEWER: _____

DATE: 10/3/10
DATE: _____



Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
 Matrix: Soil

MA Batch #: 25293

Analyst: JOHN

Date: 10/23/10

Balance ID: 24

Reagents: See attached sheet

Thermometer ID: 130

Methods (Circle as appropriate)

SW846 7271A

EPA 245.5 CLP-M

Type of Digestion: Hot Block: Start Time: 14:00 Temp: 86-32 End Time: 14:30 Temp: 85
 Water Bath: Start Time: _____ Temp: _____ End Time: _____ Temp: _____
 Autoclave: Start Time: _____ End Time: _____ Temp/Pressure: _____

Bot #	Sample ID	Initial Sample Vol in ml	Final Sample Vol in ml	Spiked Used		Spiketot and Conc (mg/L)	MP Number	Comments
				Amount Spiked	Added-Y or N			
S-1	Calibration Blank	100 ml	100 ml	N/A	N	N/A	N/A	N/A
S-2	0.20 ug/l standard	100 ml	100 ml	2.0 ml	Y	0.0100	N/A	
S-3	0.50 ug/l standard	100 ml	100 ml	5.0 ml	Y	0.0100	N/A	
S-4	1.00 ug/l standard	100 ml	100 ml	1.0 ml	Y	0.1000	N/A	
S-5	2.50 ug/l standard	100 ml	100 ml	2.5 ml	Y	0.1000	N/A	
S-6	5.00 us/l standard	100 ml	100 ml	5.0 ml	Y	0.1000	N/A	

Analyst: [Signature]
 QC Reviewer: _____

Date: 10/3/10
 Date: _____

Form: GN-022E
 Rev. Date: 06/09/08

Reset

Calb Coeffs

New Cal

Update Coeffs

Spike Coeffs

A:

B: 1.28183e-5

C: 1.54628e-1

Rho: 999947

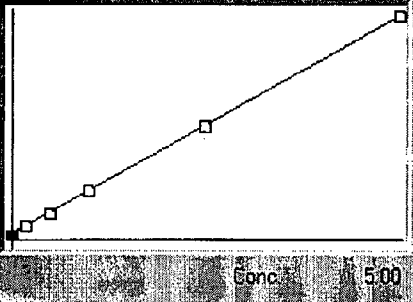
Type: Linear

Calibrated

Accepted

Accept

Include: S1 Rep: 1 2 3 4 5



S	Conc	Calc	Dev	Mean	SD or %RSD	Rep.1	Rep.2	Rep.3
01	0.0000	.022	.022	10352	0	10351		
02	.20000	.198	-.002	27509	0%	27508		
03	.50000	.496	-.004	50744	0%	50744		
04	1.0000	1.04	.037	92998	0%	92997		
05	2.5000	2.50	-.004	206801	0%	206800		
06	5.0000	4.99	-.005	401706	0%	401705		



Solid/Soil Digestion Log MP Batch ID: MP55422
 ICP Digestion Method: SW846 3050B
 Heating Method: Digestion Block

Method Blank ID: <u>MP55422-MB1</u>	Prep Date: <u>11/01/2010</u>
Lab Control/Spike Blank ID:	Start Time: <u>10:00</u> Start Temp: <u>93+0-93°</u> Therm ID: <u>138</u>
Lab Control Source:	
Balance ID: <u>B26</u>	End Time: <u>4:00</u> End Temp: <u>93+0-93°</u>
DUP 1 Sample ID:	Acceptable temperature Ranges: EPA 200.7 90 to 95 deg. C SW846 3010A, 3020A, 3050B 90 to 95 deg. C CLP SOW 92 to 95 deg. C
DUP 2 Sample ID:	
MS 1 Sample ID: <u>JA58750-11</u>	
MS 2 Sample ID: <u>JA58750-11</u>	

* Serial dilutions shown on this form are not a separate digestion, but are shown for QC tracking purposes only

Sample ID	Wet Weight in G	% SOL	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added - Y or N	Amount and Name	Added - Y or N	
MP55422-MB1	1.000		100	10ml (1:1) HNO3	Y	2.0ml Sp	Y	
MP55422-B1	1.000			5ml conc HNO3	Y	2.0 ml MIN2	Y	
MP55422-S2	0.987			5ml 30% H2O2	Y	1.0ml Odd Spike	Y	
MP55422-S1	0.972			10ml conc HCl	Y			
MP55422-SD1	1.030							
JA58750-1	1.012							
JA58750-10	1.030							
JA58750-11	1.030							
JA58750-12	0.979							
JA58750-13	1.055							
JA58750-14	0.990							
JA58750-15	0.989							
JA58750-16	1.038							
JA58750-17	1.033							
JA58750-18	0.964							
JA58750-2	1.015							
JA58750-3	0.979							
JA58750-4	1.003							
JA58750-5	1.055							
JA58750-6	0.995							
JA58750-7	1.045							
JA58750-8	0.989							
JA58750-9	0.970							
<i>check bottles</i>								

QC Reviewer: 11/1/10 *QC Reviewer:* 11/1/10

Rev. Date: 06/09/08
 FORM: AA-18B

12.3.2 12