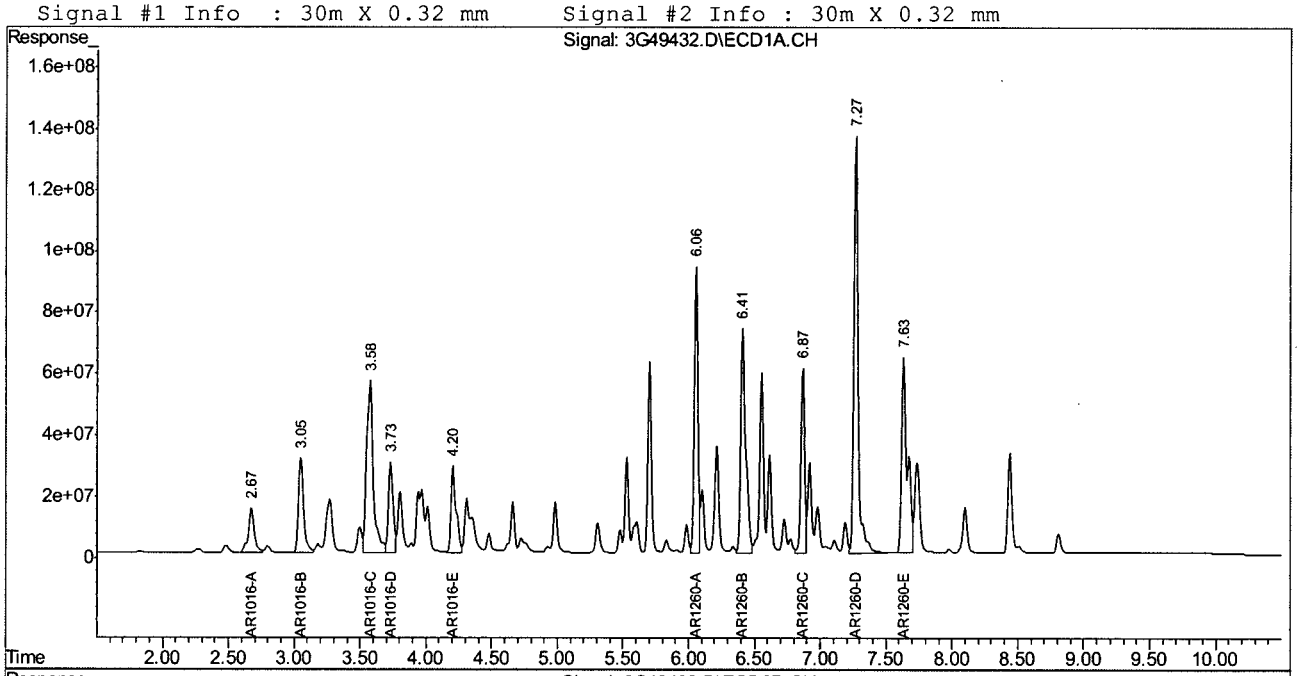
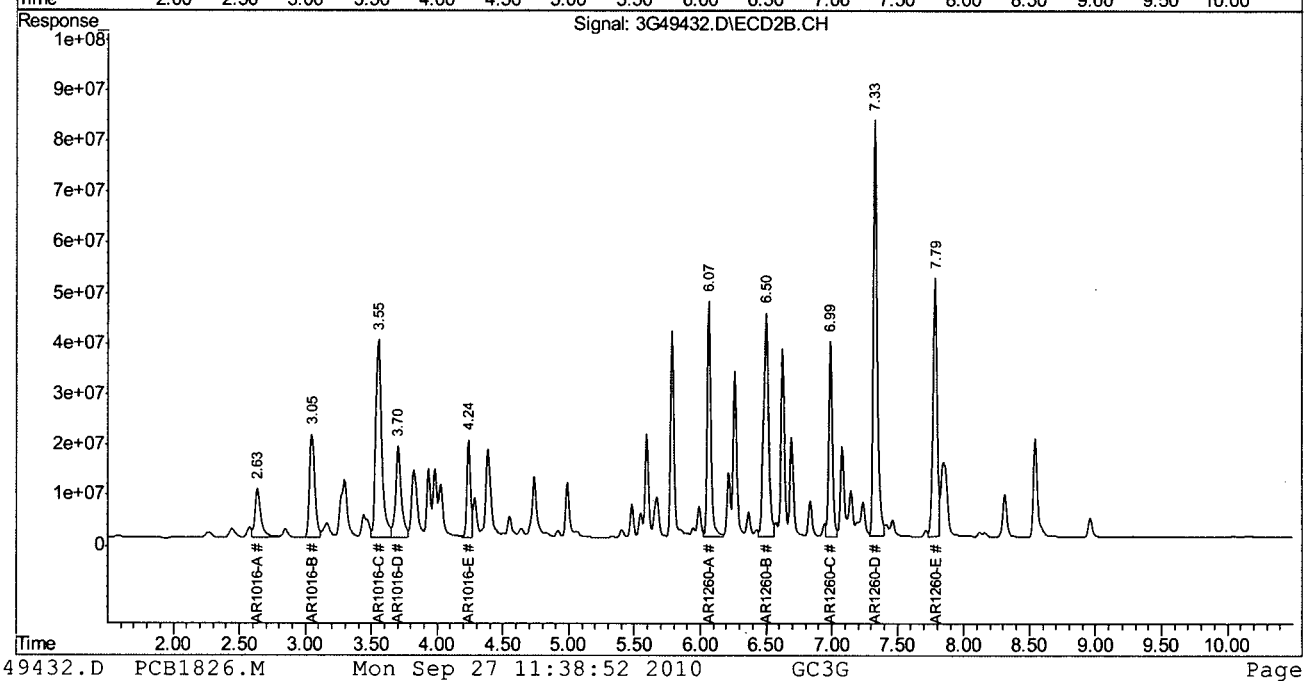
Quantitation Report (QT Reviewed)

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 : 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 13:23:59 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

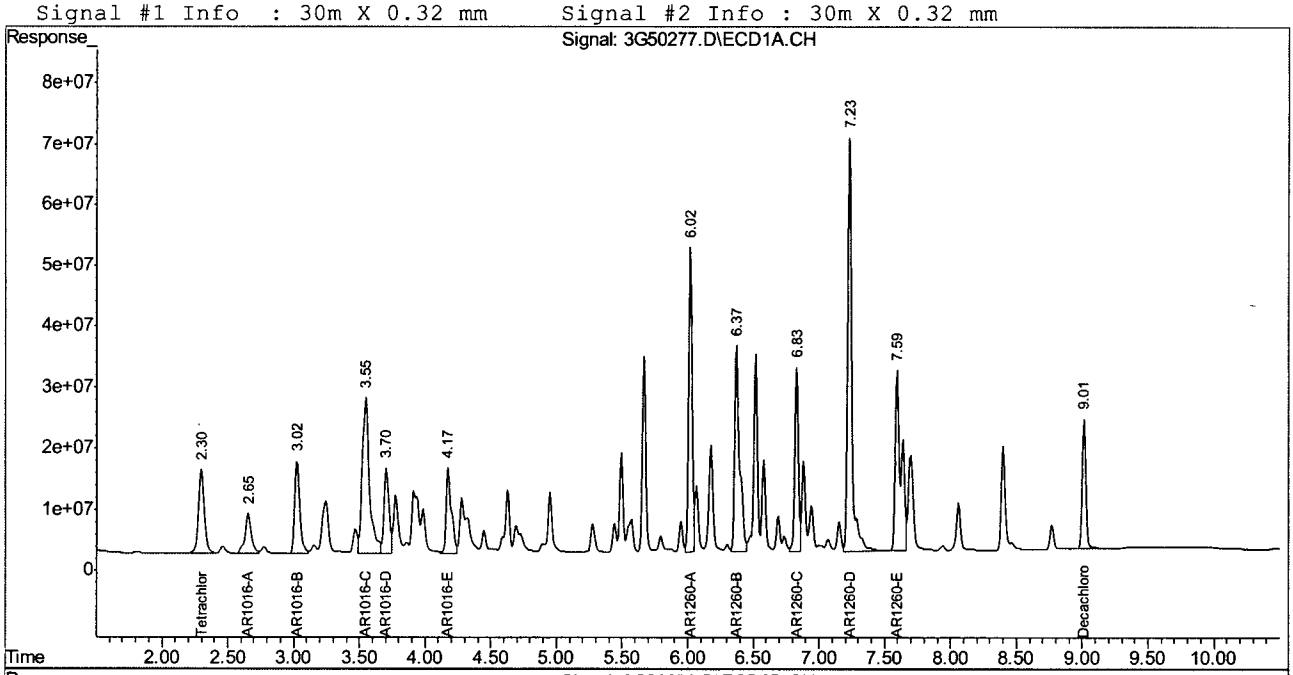
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50277.D PCB1826.M Tue Oct 26 13:24:24 2010 GC3G

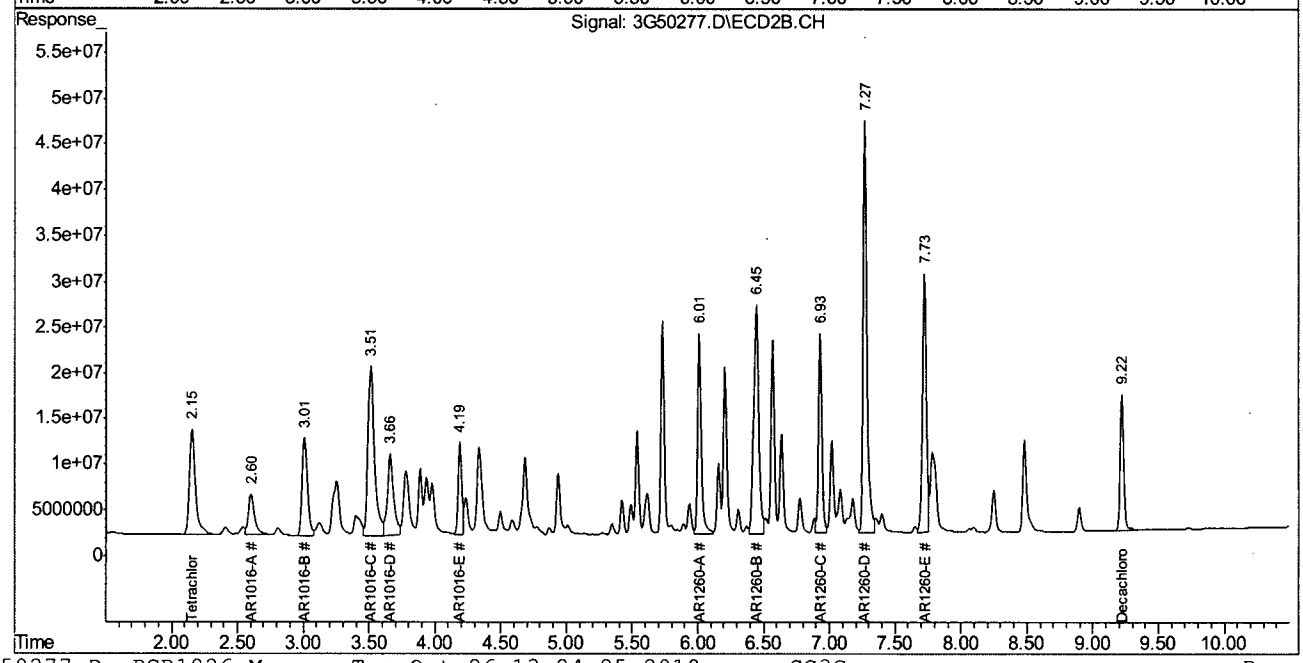
Quantitation Report (QT Reviewed)

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





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

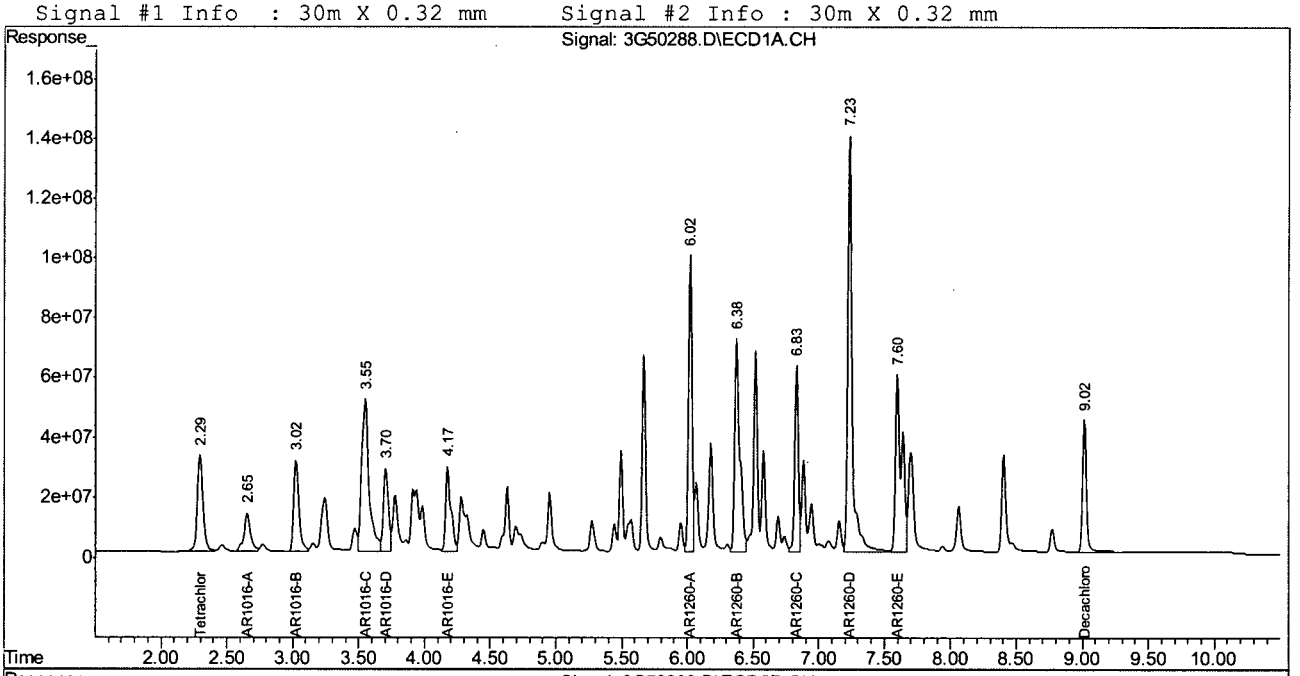
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50288.D PCB1826.M Tue Oct 26 13:13:49 2010 GC3G

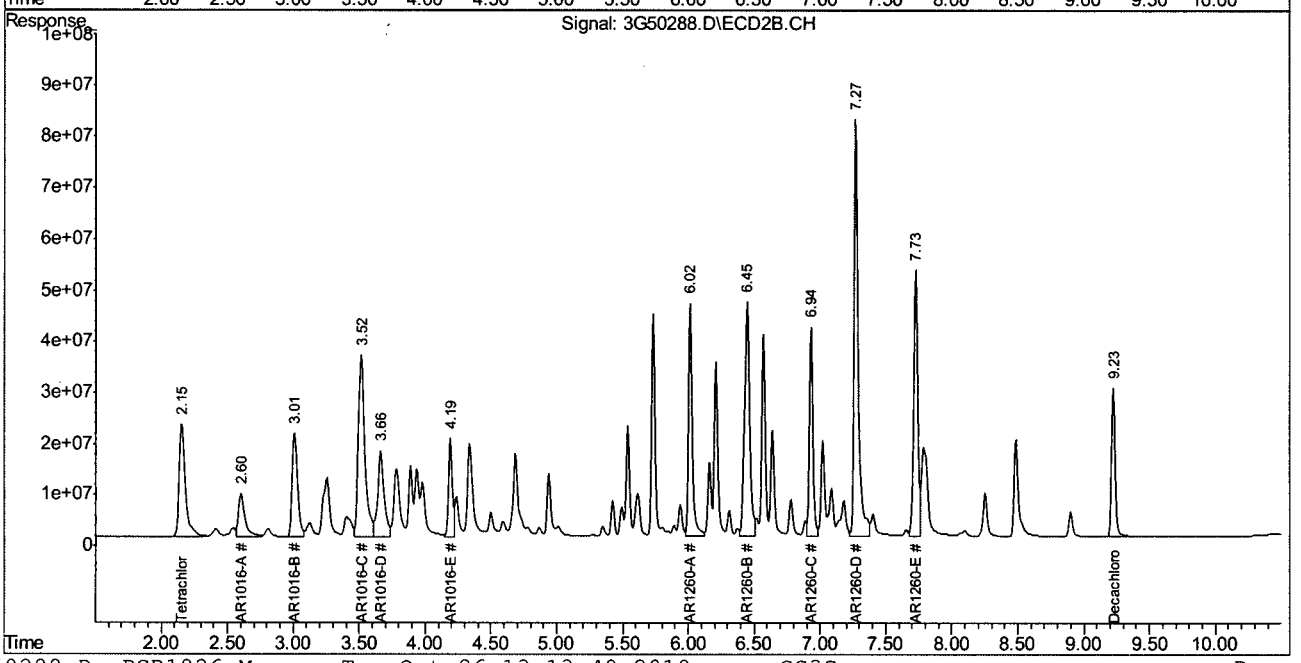
Quantitation Report (QT Reviewed)

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





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

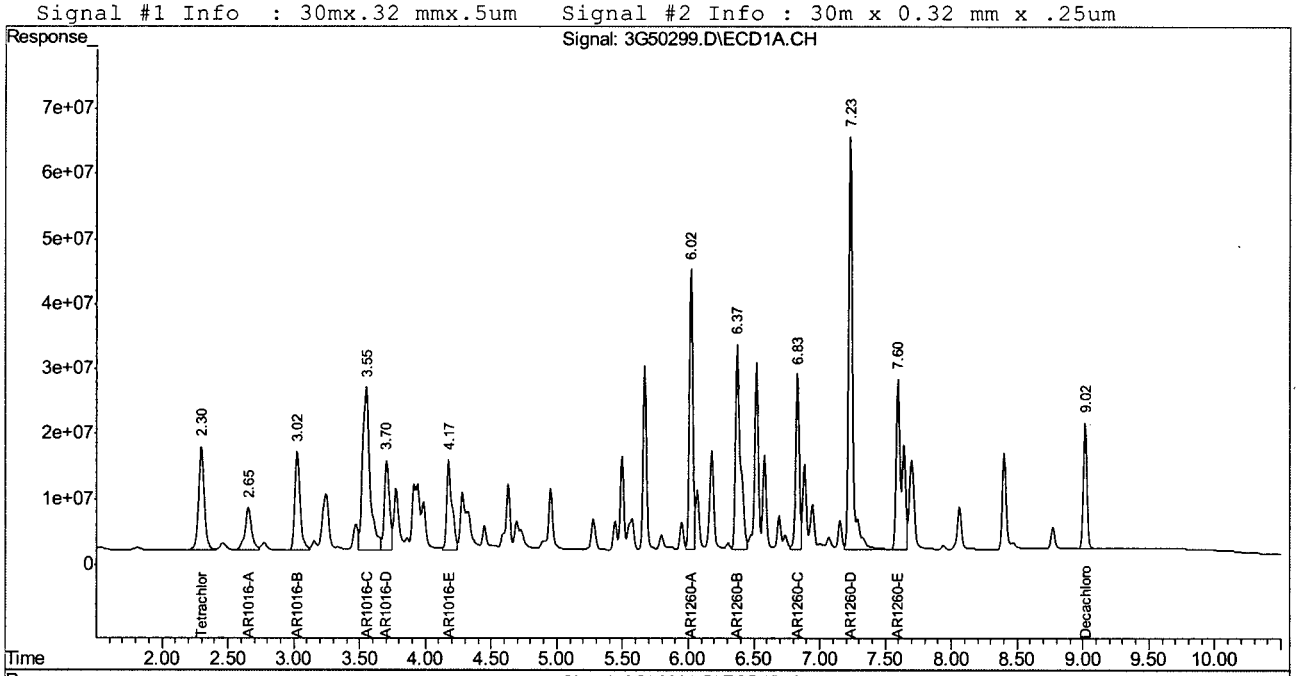
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50299.D PCB1826.M Tue Oct 26 16:55:13 2010 GC3G

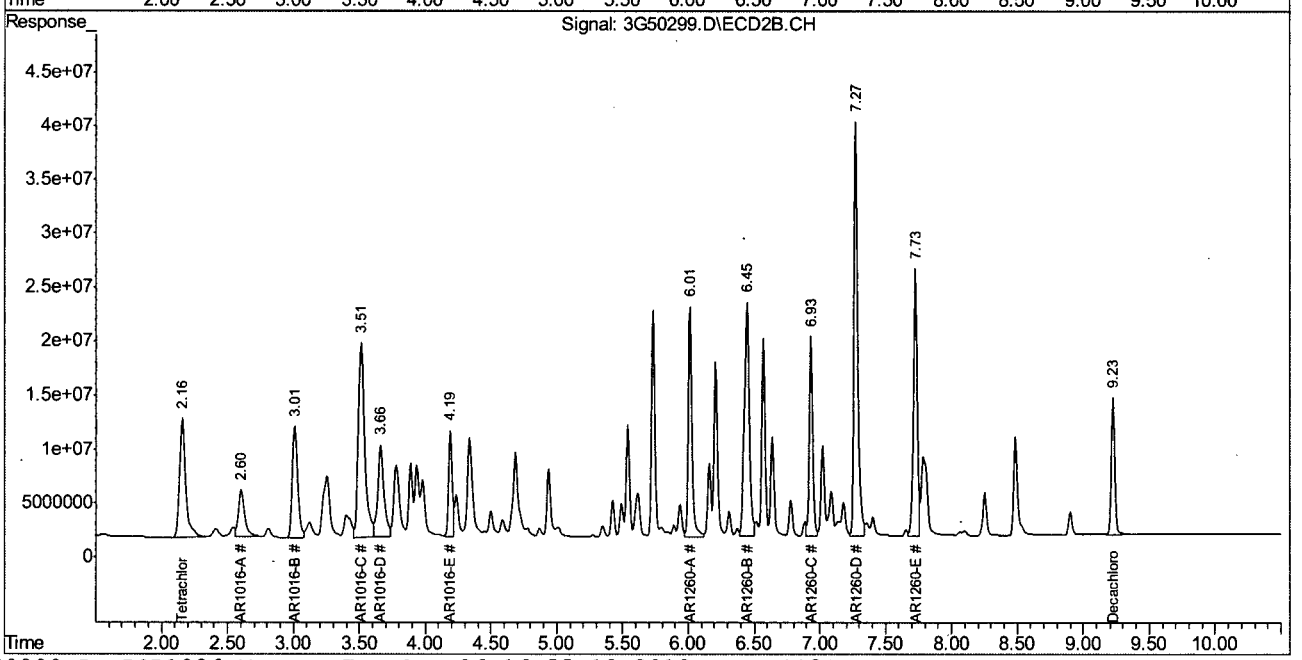
Quantitation Report (QT Reviewed)

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





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

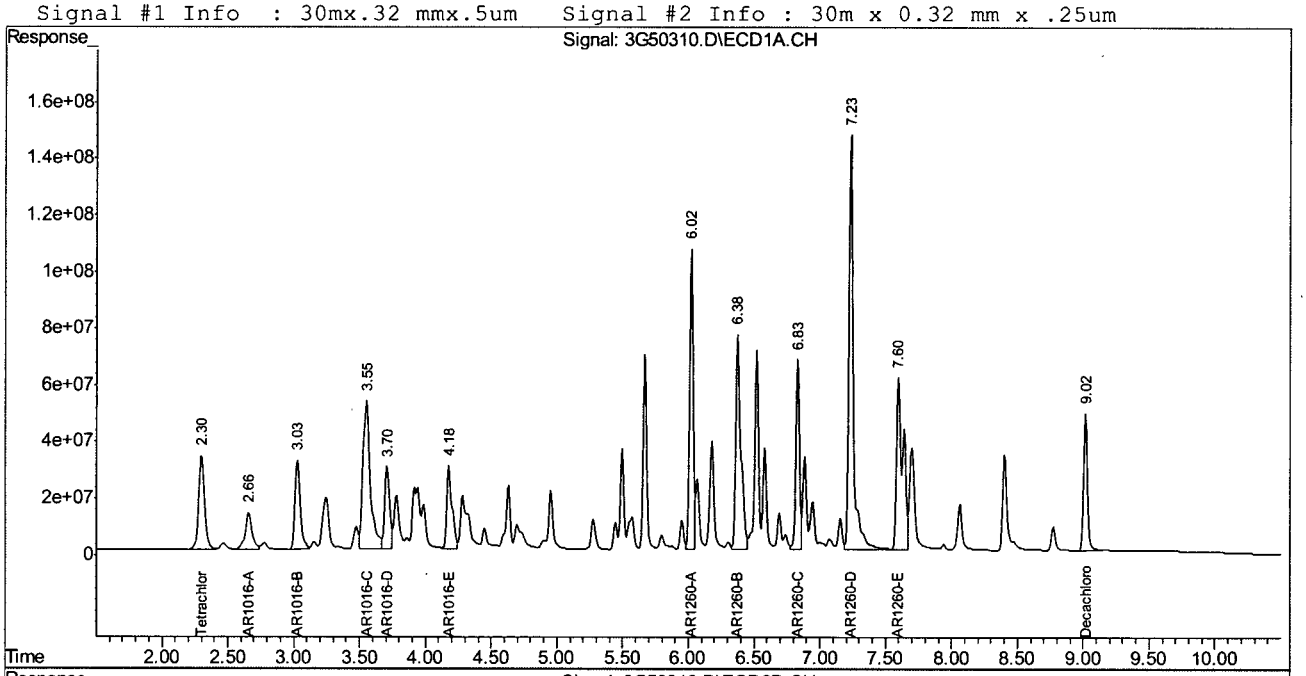
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50310.D PCB1826.M Wed Oct 27 08:36:45 2010 GC3G

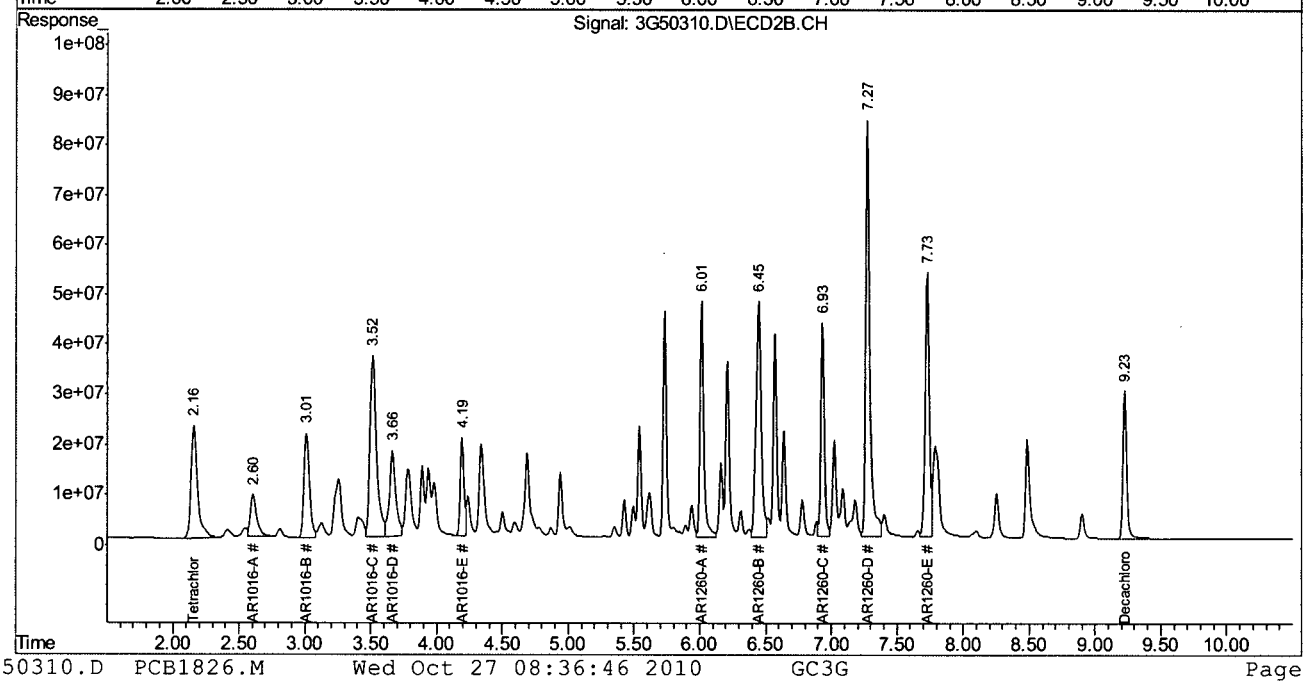
Quantitation Report (QT Reviewed)

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





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

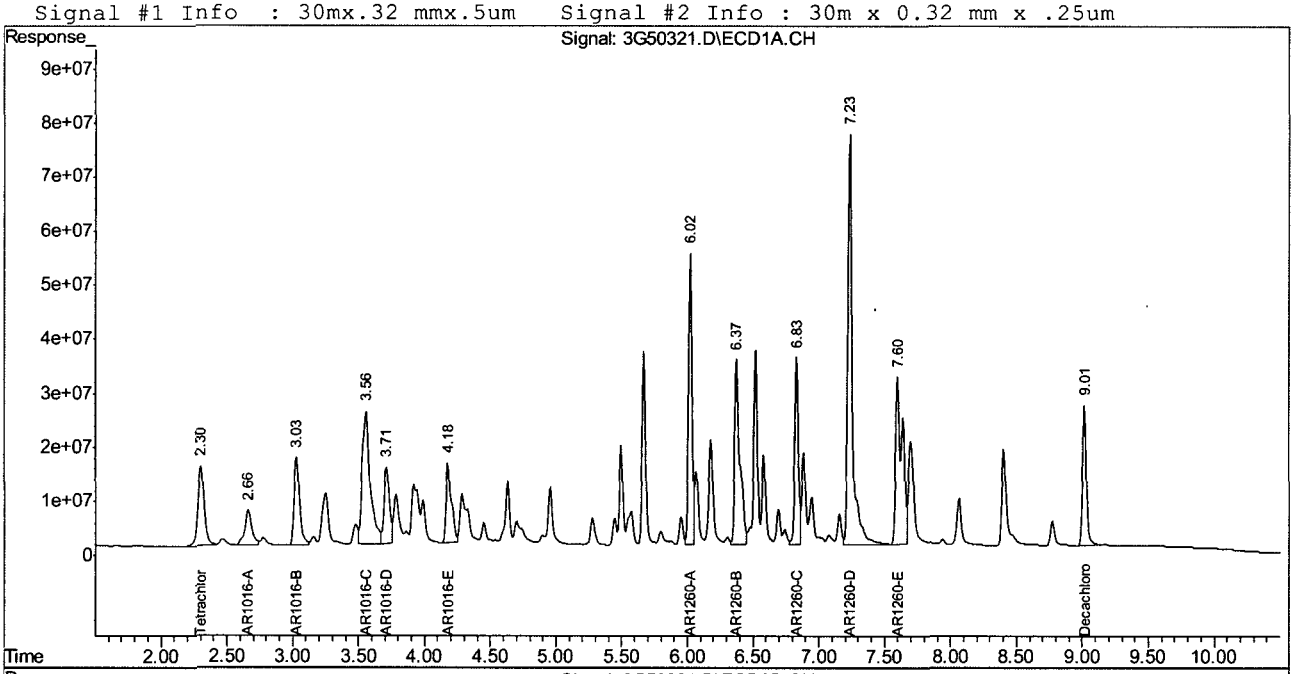
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50321.D PCB1826.M Wed Oct 27 08:39:30 2010 GC3G

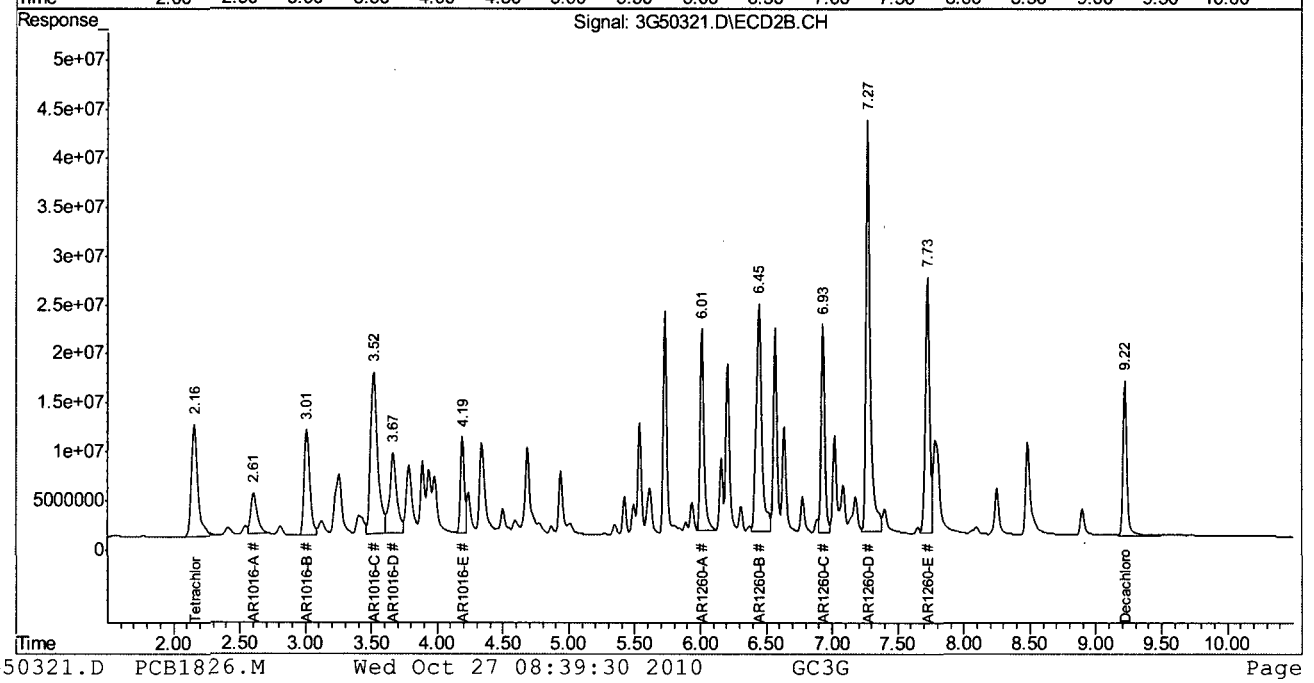
Quantitation Report (QT Reviewed)

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





Manual Integration Approval Summary

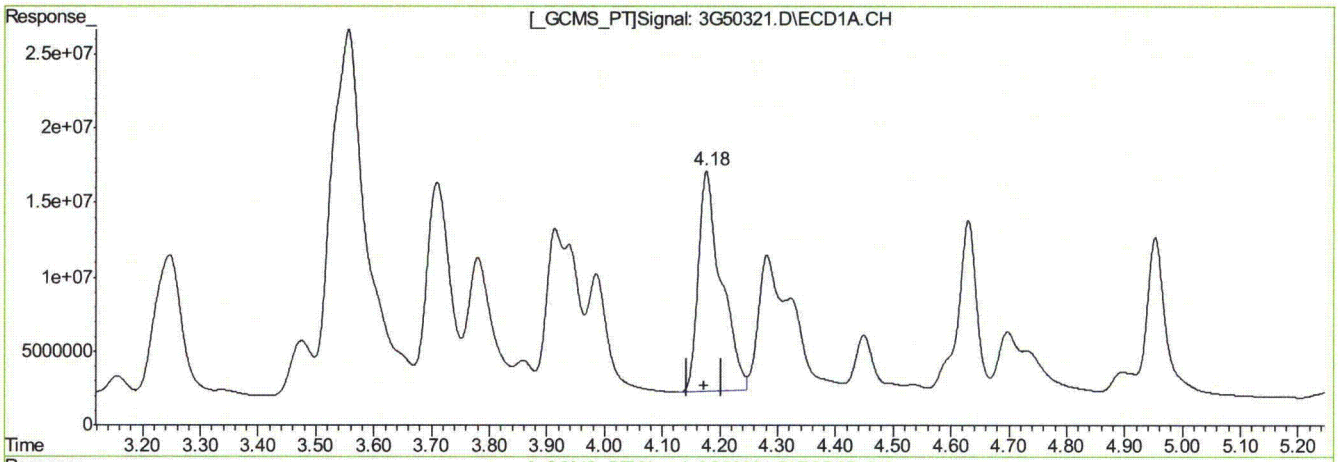
Sample Number:	G3G1851-CC1826	**Method:**	SW846 8082
Lab FileID:	3G50321.D	**Analyst approved:**	10/27/10 09:43 Toya Dagena Raffington
Injection Time:	10/26/10 23:11	**Supervisor approved:**	10/30/10 13:58 Owen McKenna

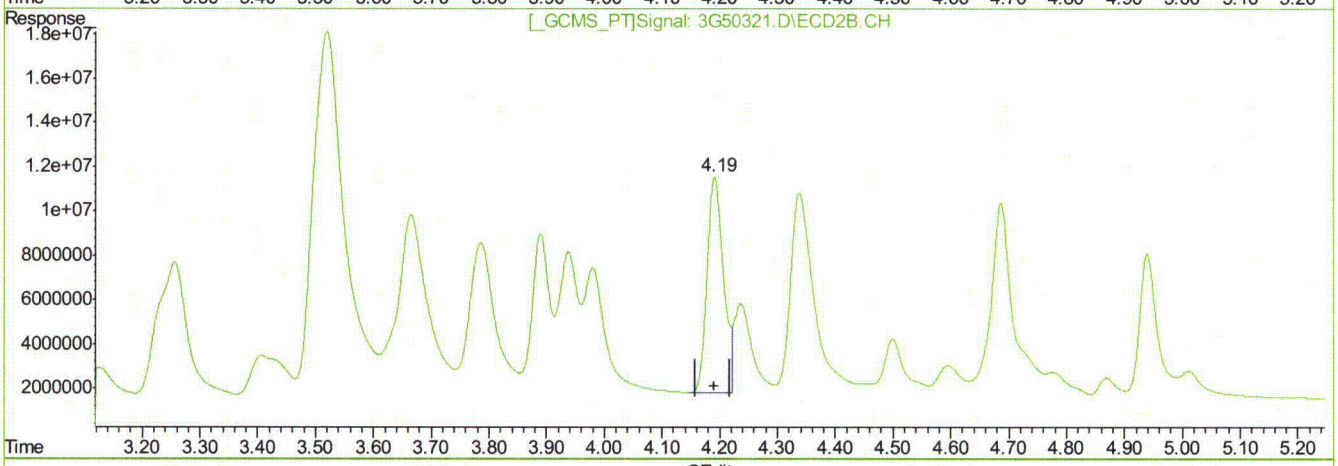
Parameter	CAS	Sig#	R.T. (min.)	Reason
AR1016-E		2	4.19	Poorly defined baseline

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

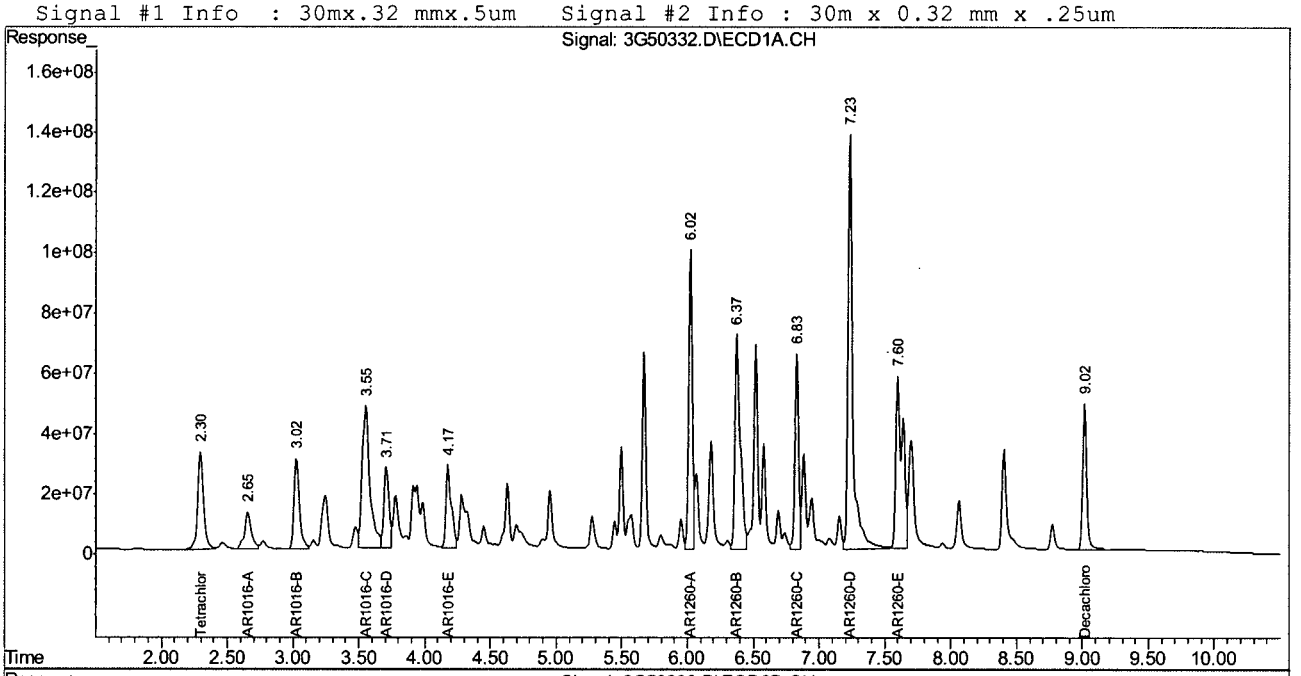
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50332.D PCB1826.M Wed Oct 27 08:35:28 2010 GC3G

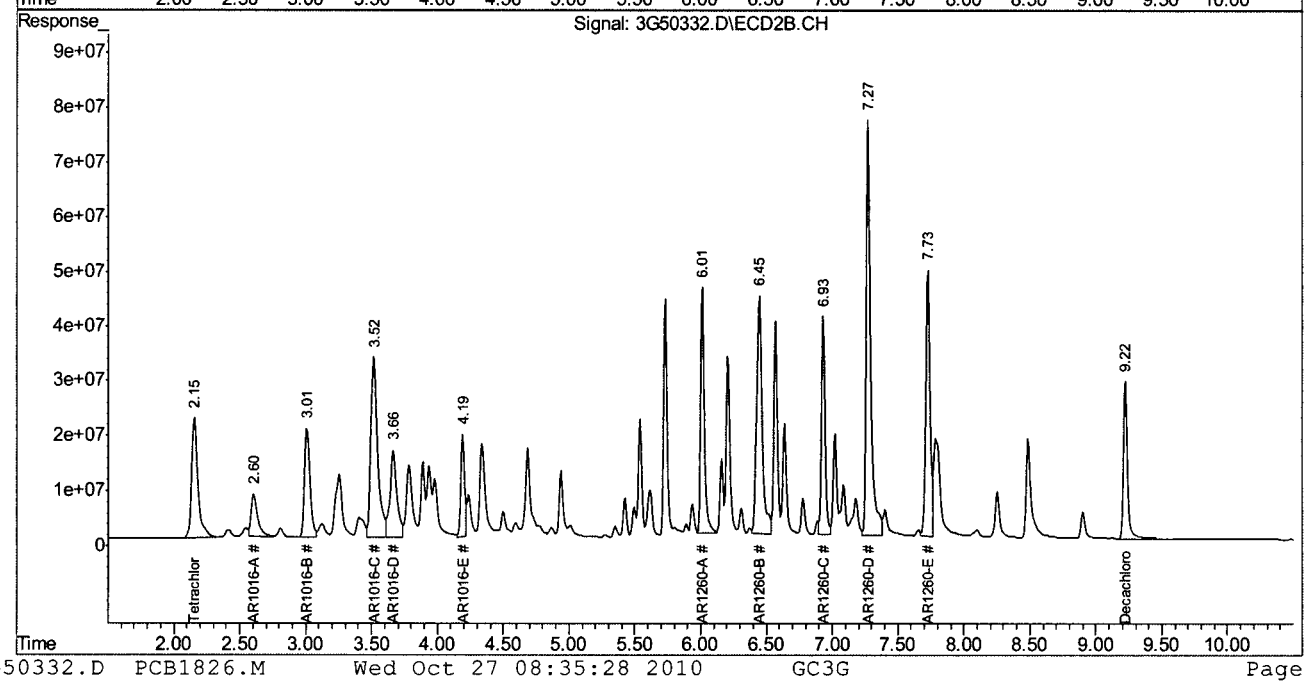
Quantitation Report (QT Reviewed)

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





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

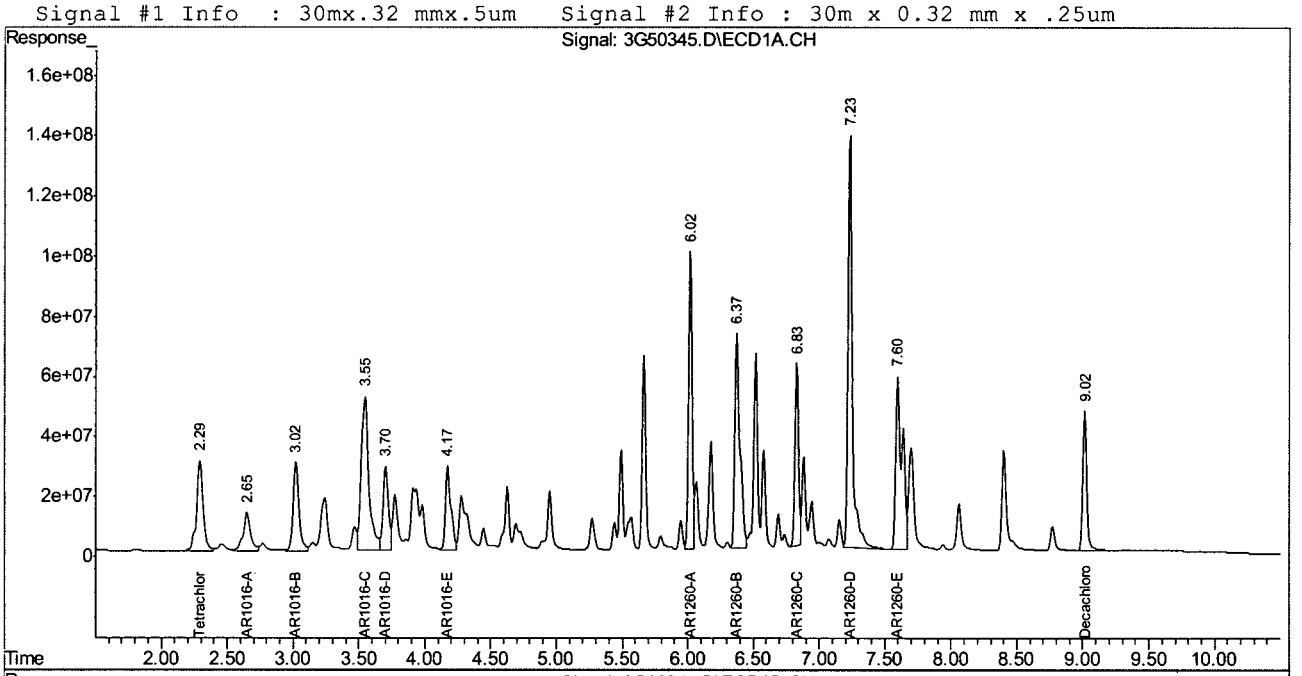
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50345.D PCB1826.M Wed Oct 27 11:49:33 2010 GC3G

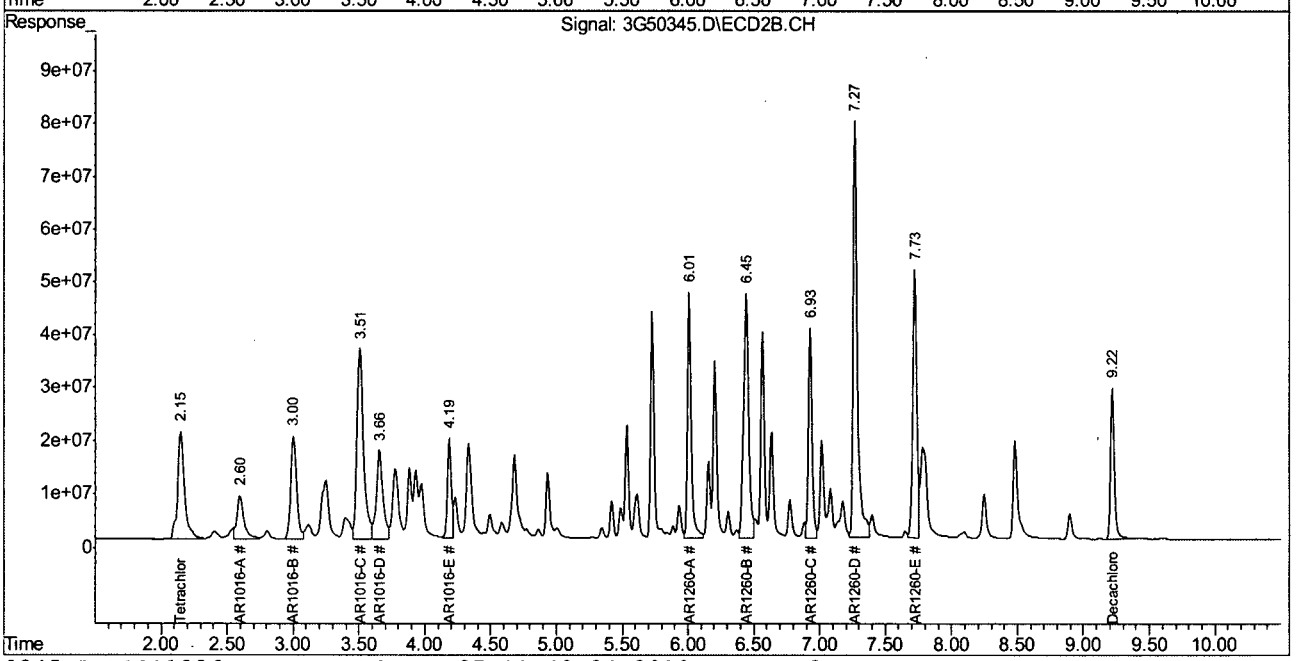
Quantitation Report (QT Reviewed)

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





Manual Integration Approval Summary

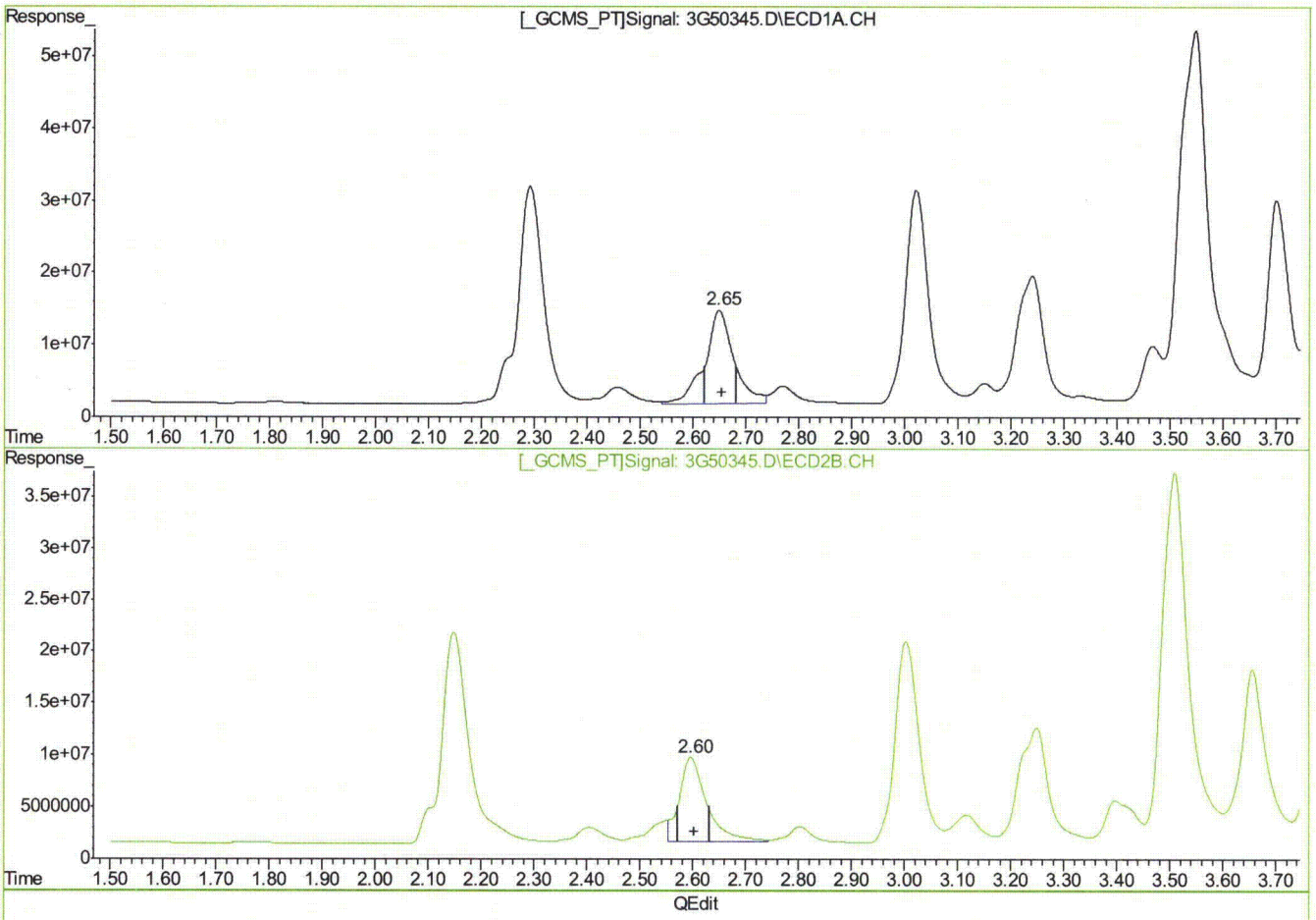
Sample Number:	G3G1852-CC1826	**Method:**	SW846 8082
Lab FileID:	3G50345.D	**Analyst approved:**	10/27/10 16:44 Toya Dagena Raffington
Injection Time:	10/27/10 11:30	**Supervisor approved:**	10/27/10 17:15 Jessica Reitan-Chu

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

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
```



(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

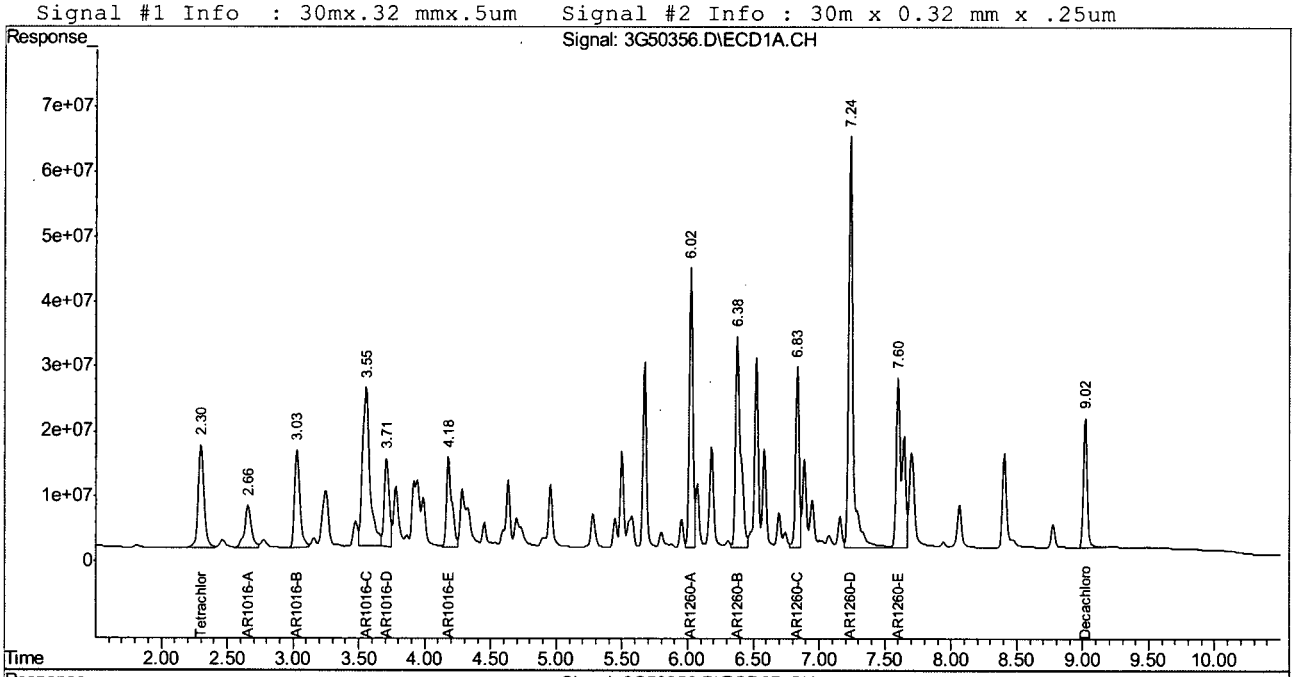
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50356.D PCB1826.M Wed Oct 27 16:21:41 2010 GC3G

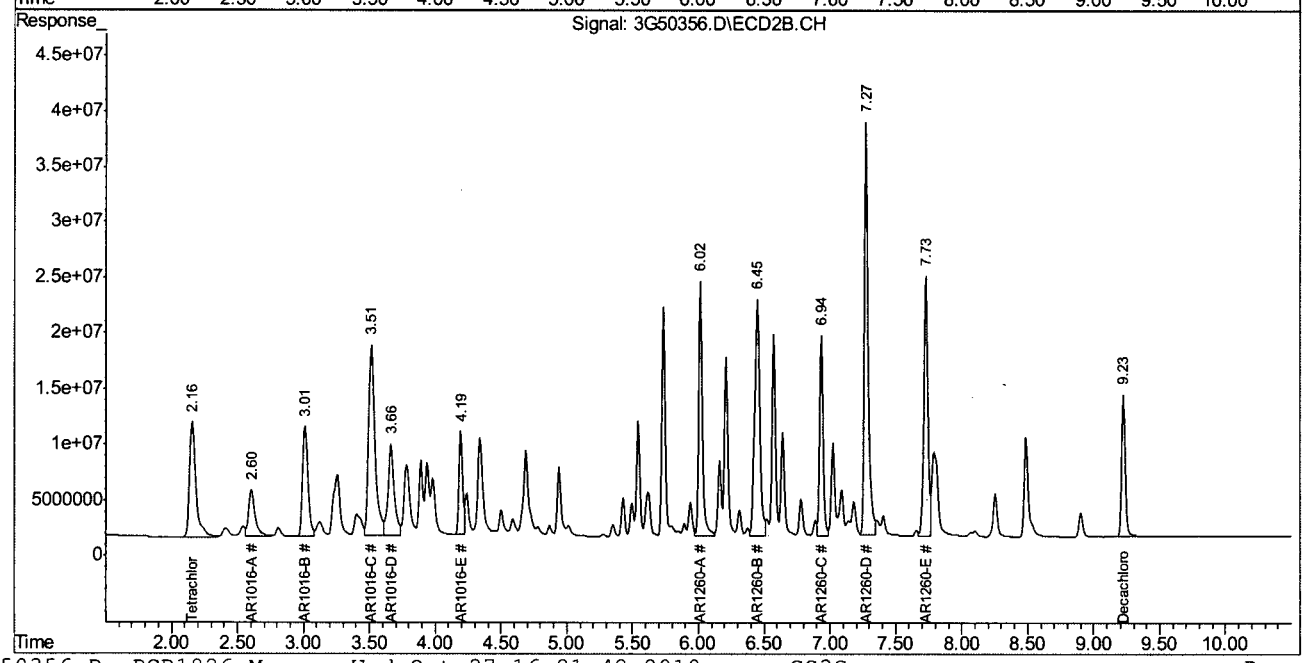
Quantitation Report (QT Reviewed)

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





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

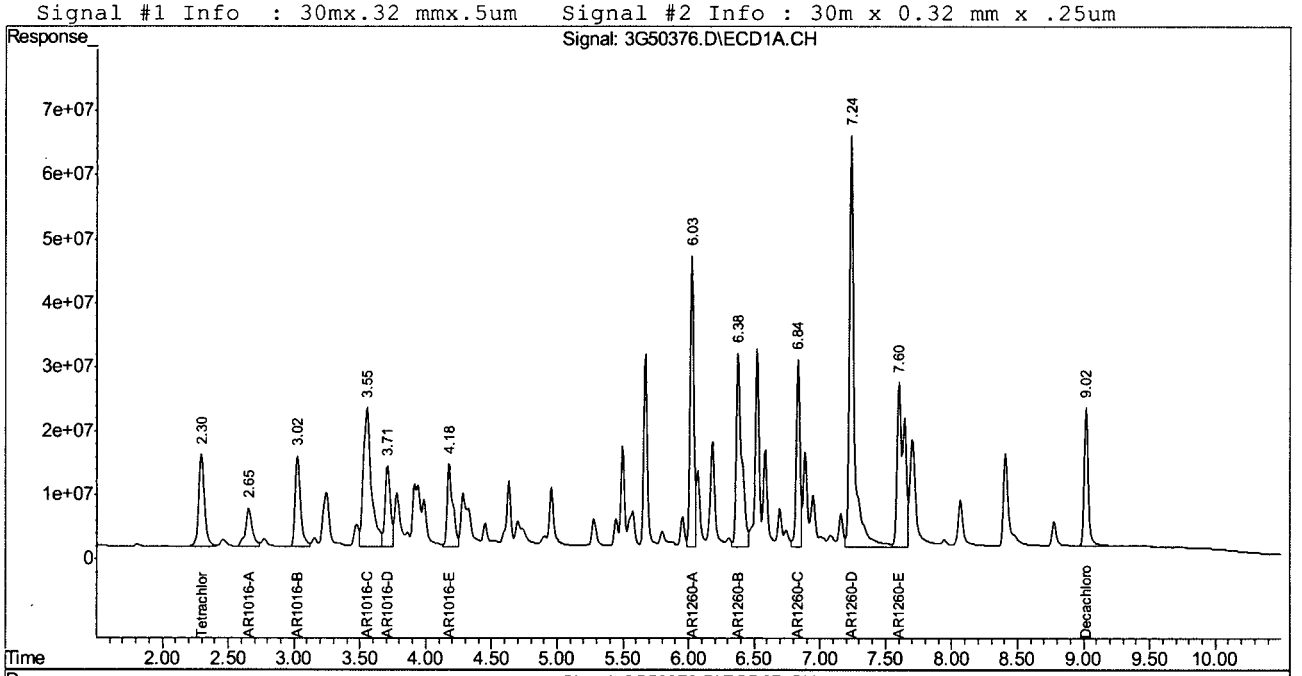
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50376.D PCB1826.M Thu Oct 28 09:06:15 2010 GC3G

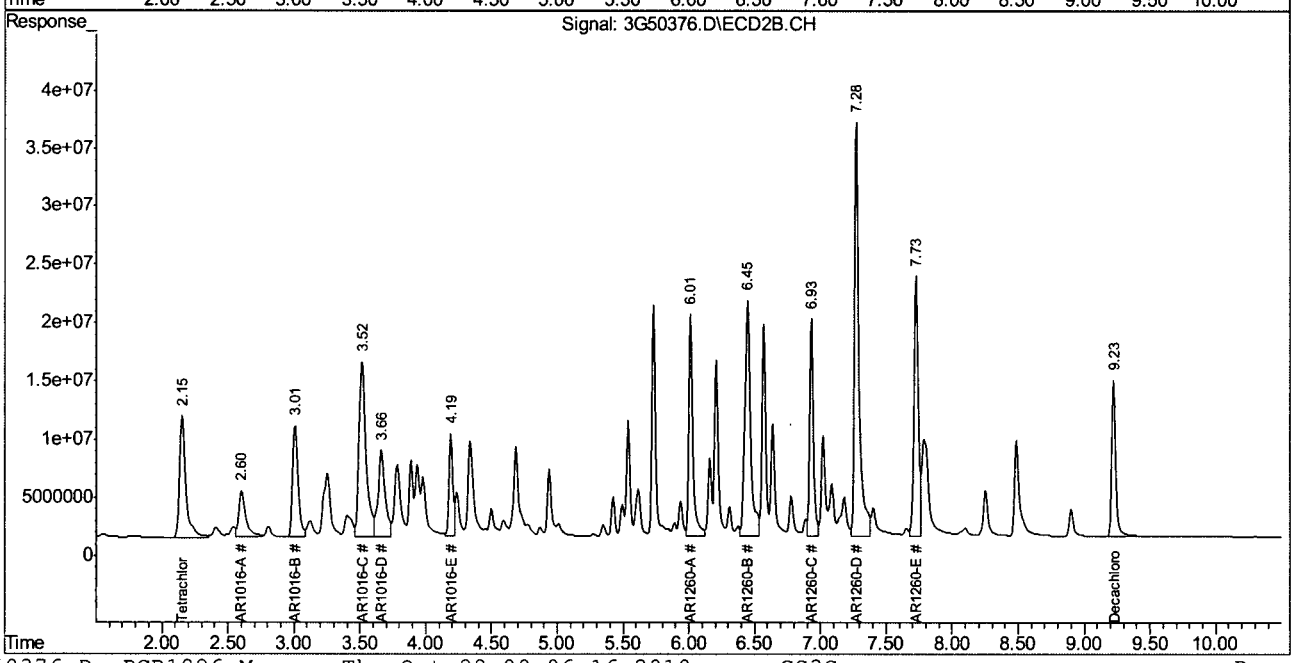
Quantitation Report (QT Reviewed)

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

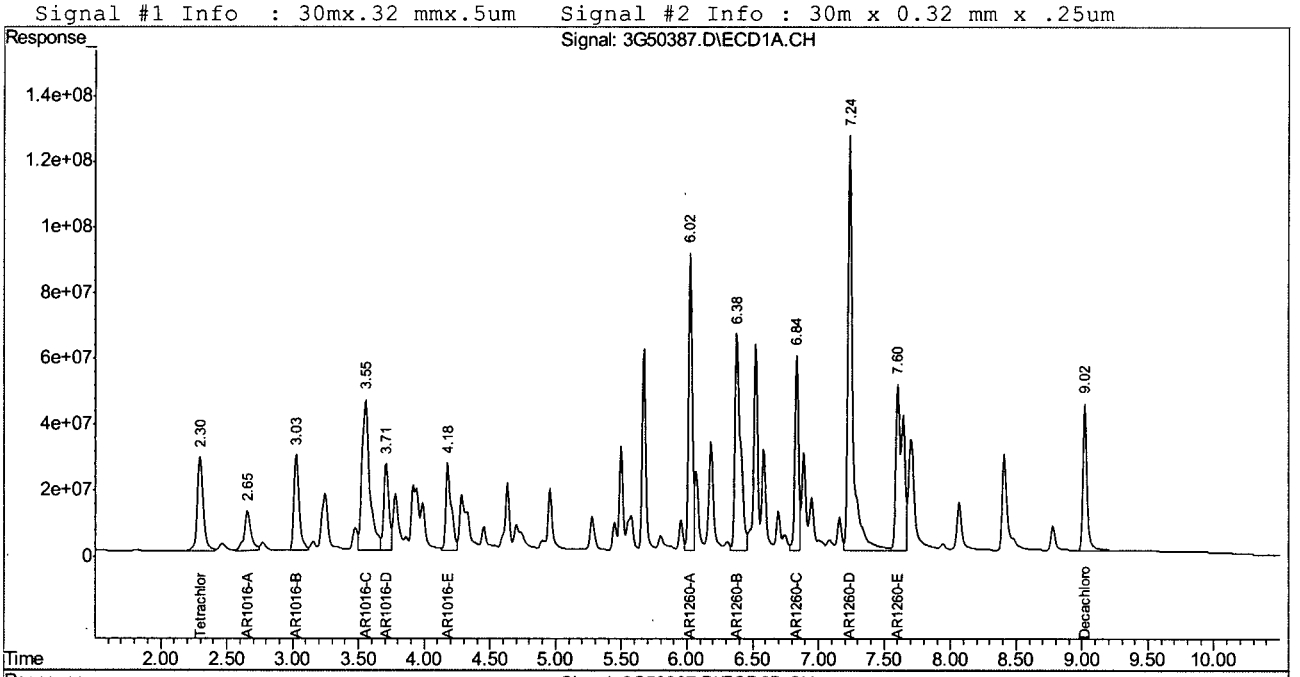
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50387.D PCB1826.M Thu Oct 28 09:10:12 2010 GC3G

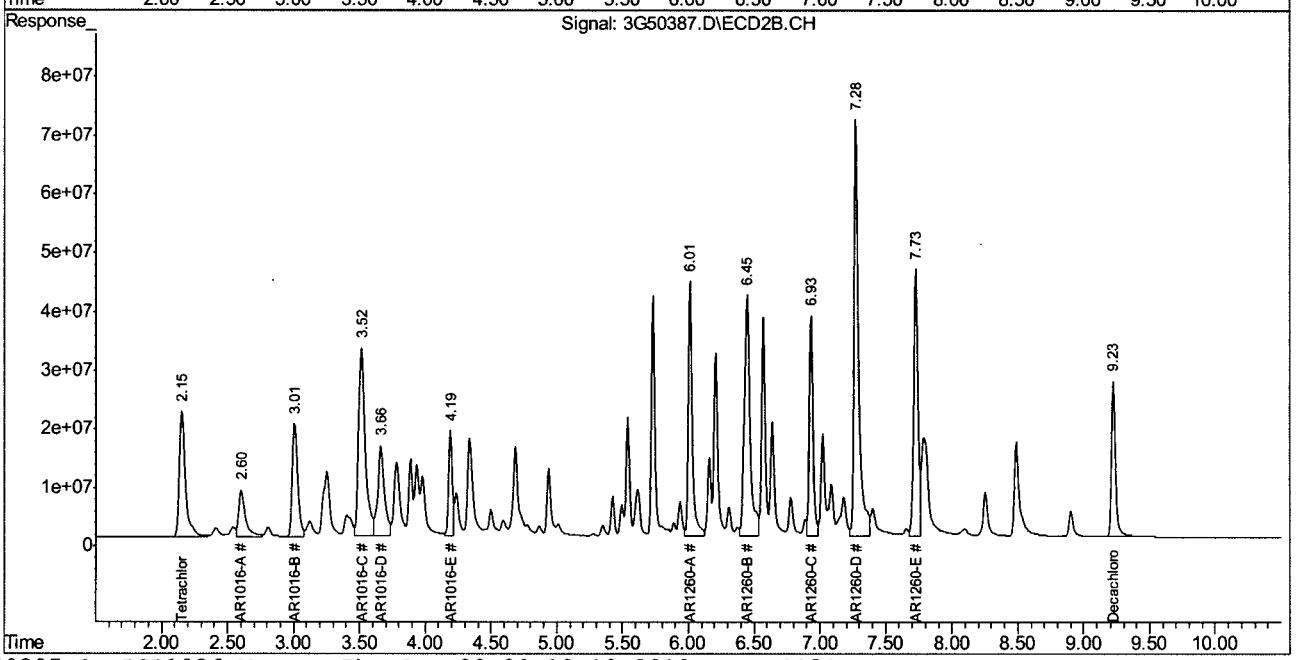
Quantitation Report (QT Reviewed)

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





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

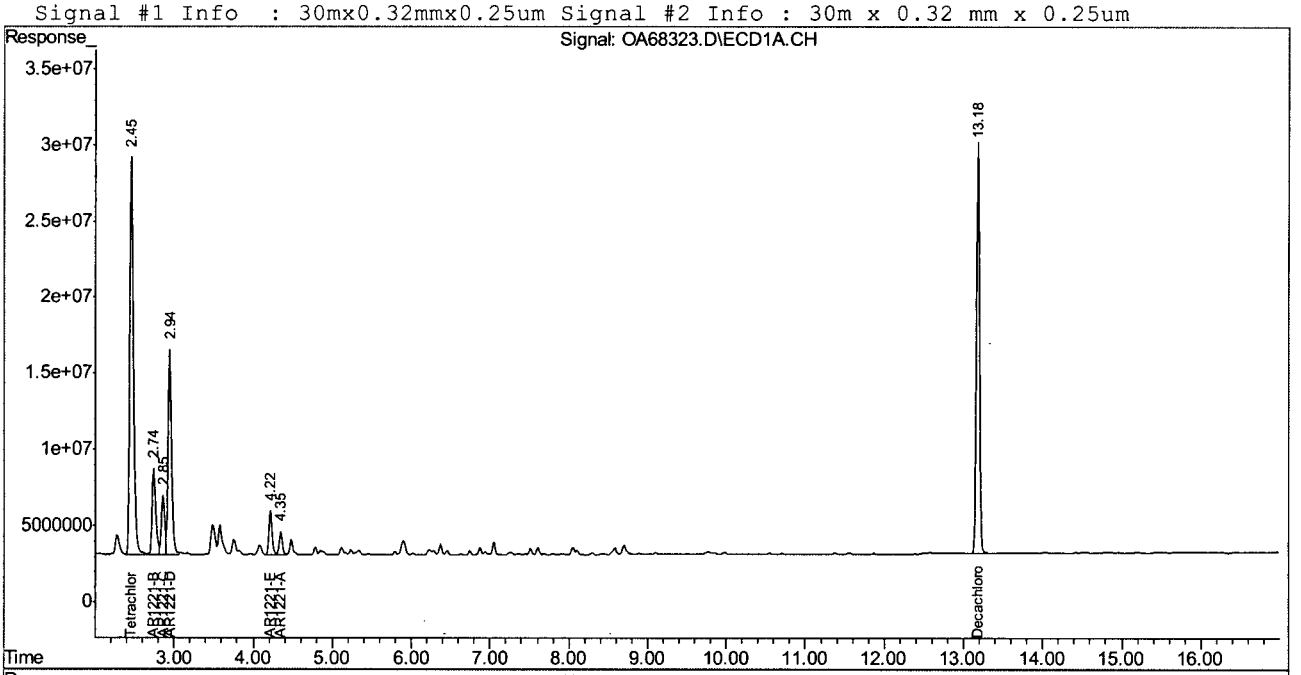
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68323.D PCB2389.M Wed Nov 03 09:34:00 2010 RPT1

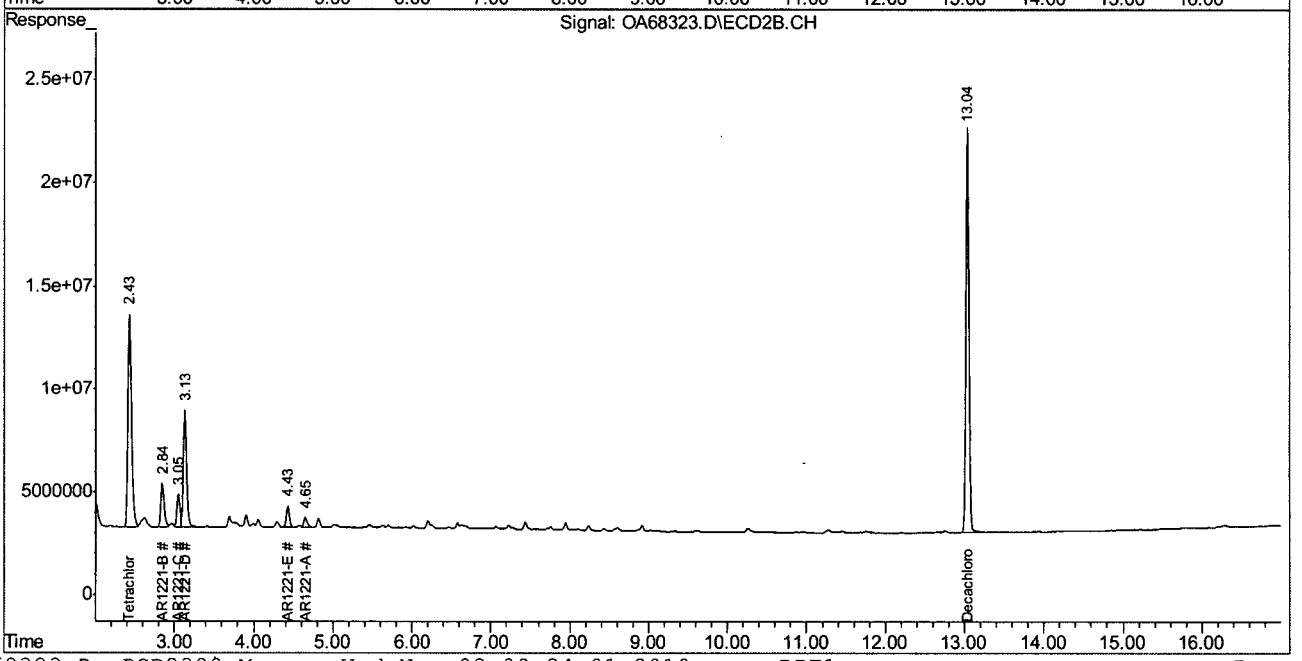
Quantitation Report (QT Reviewed)

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





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

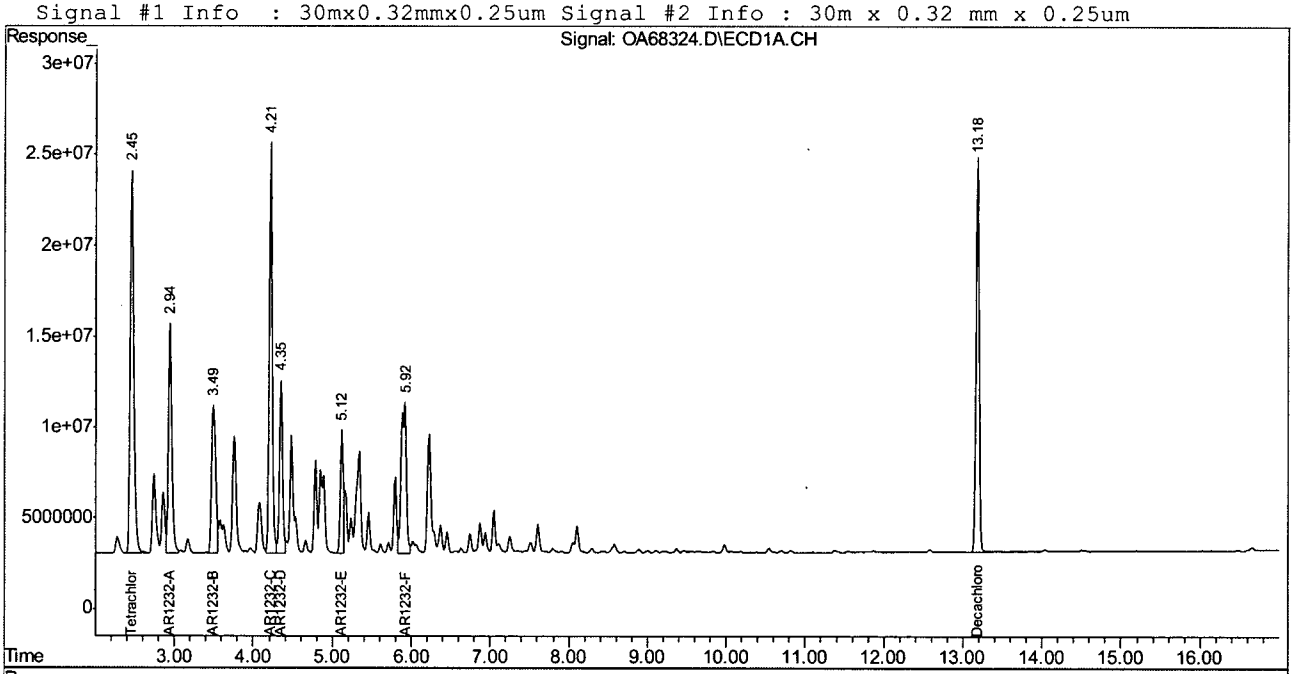
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68324.D PCB2389.M Wed Nov 03 09:34:14 2010 RPT1

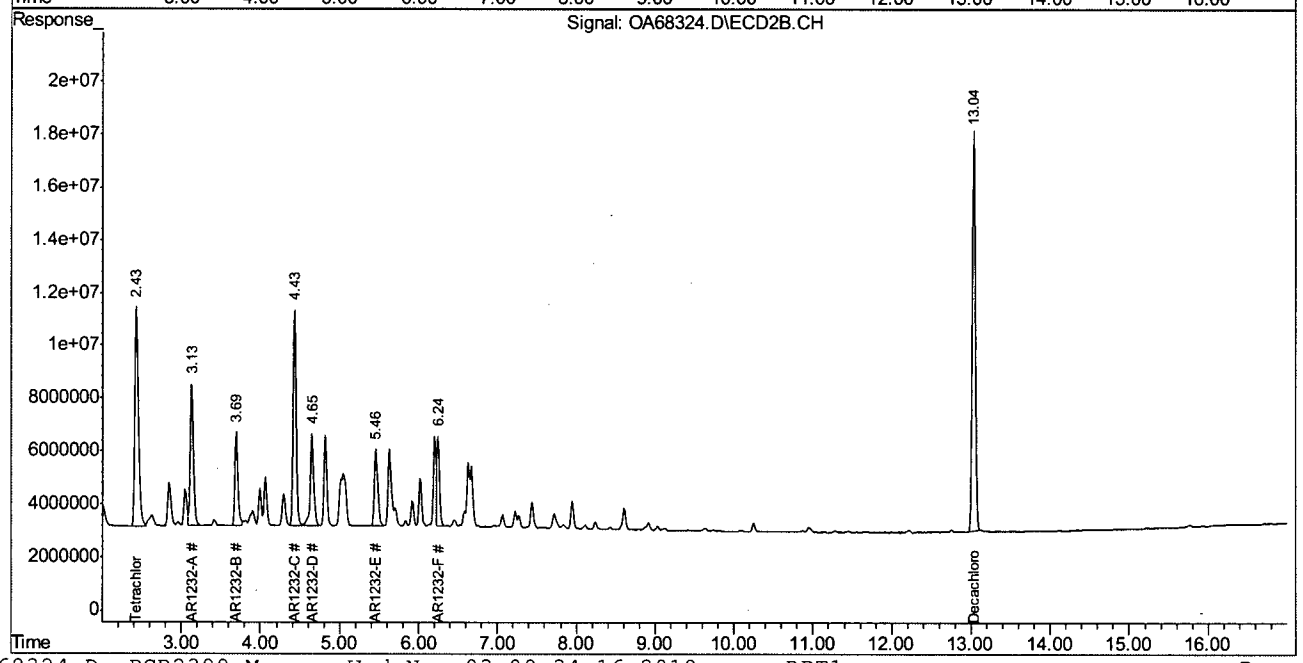
Quantitation Report (QT Reviewed)

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





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

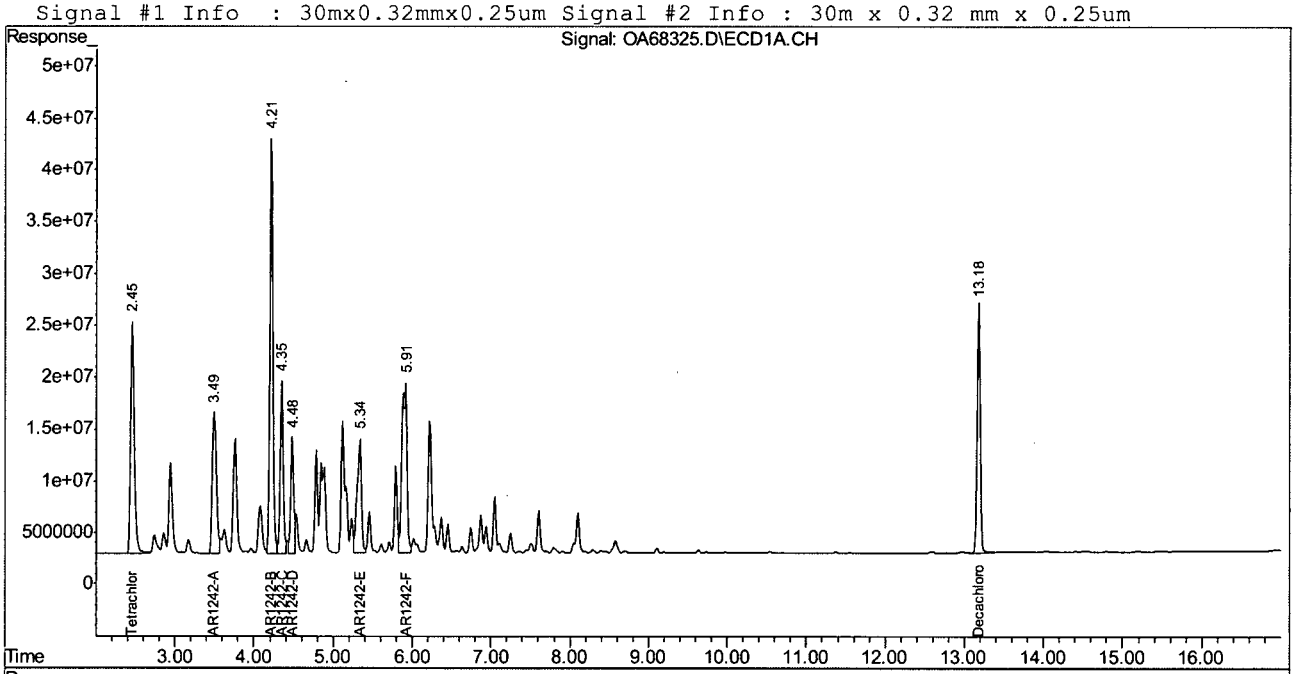
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68325.D PCB2389.M Wed Nov 03 09:34:31 2010 RPT1

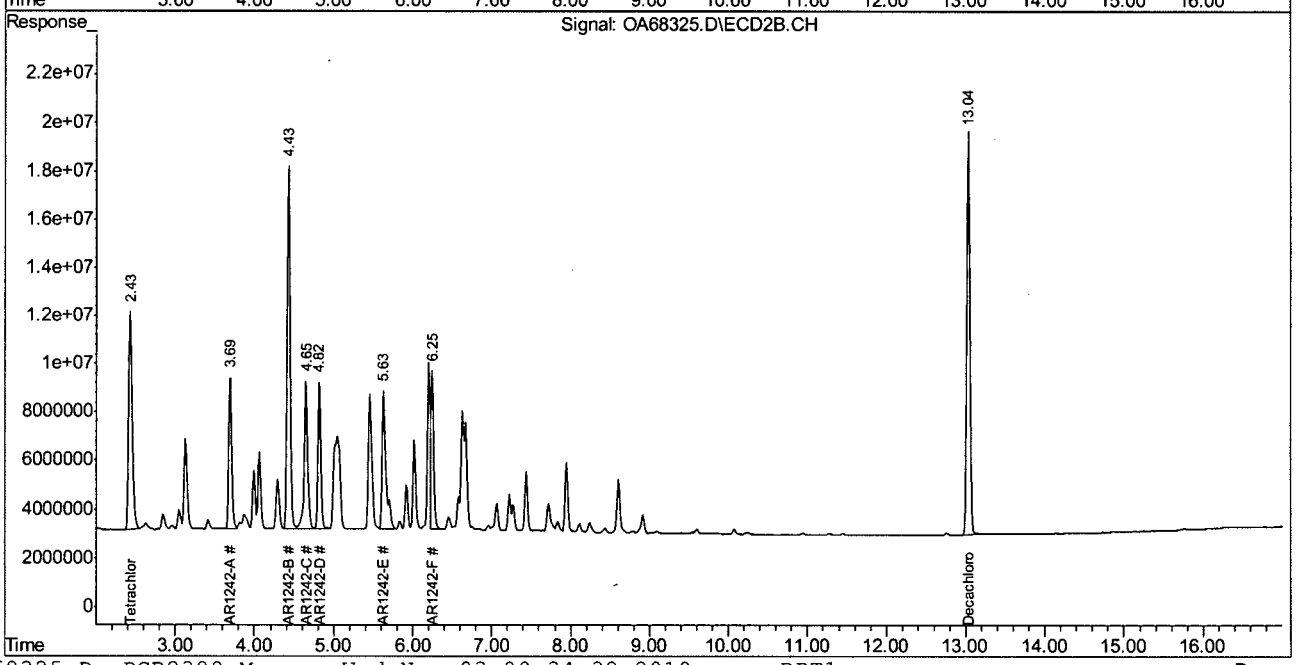
Quantitation Report (QT Reviewed)

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





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

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	742.7E6	298.6E6	35.616	43.760
Spiked Amount 40.000			Recovery =		89.04%	109.40%
52) S Decachlorobiphen	13.18	13.04	676.6E6	466.7E6	35.557	43.937
Spiked Amount 40.000			Recovery =		88.89%	109.84%
Target Compounds						
19) AR1248-A	4.21	4.43	656.1E6	248.2E6	904.548	1072.710
20) AR1248-B	4.79	5.01	413.6E6	131.0E6	896.435	1064.650
21) AR1248-C	5.12	5.46	534.7E6	260.8E6	904.320	1068.924
22) AR1248-D	5.34	5.63	637.1E6	267.3E6	914.960	1064.273
23) AR1248-E	5.91	6.24	1324.6E6	258.2E6	904.860	1061.457
24) AR1248-F	6.22	6.63	748.5E6	185.8E6	909.870	1036.347

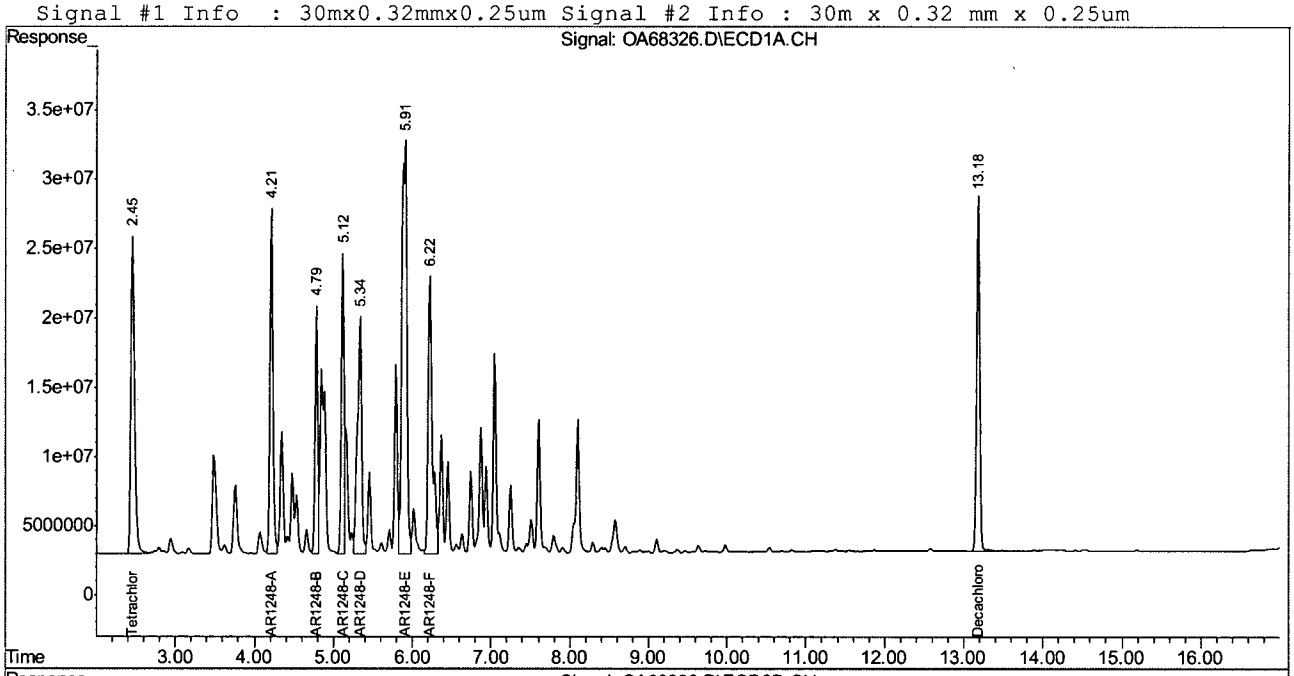
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68326.D PCB2389.M Wed Nov 03 09:34:45 2010 RPT1

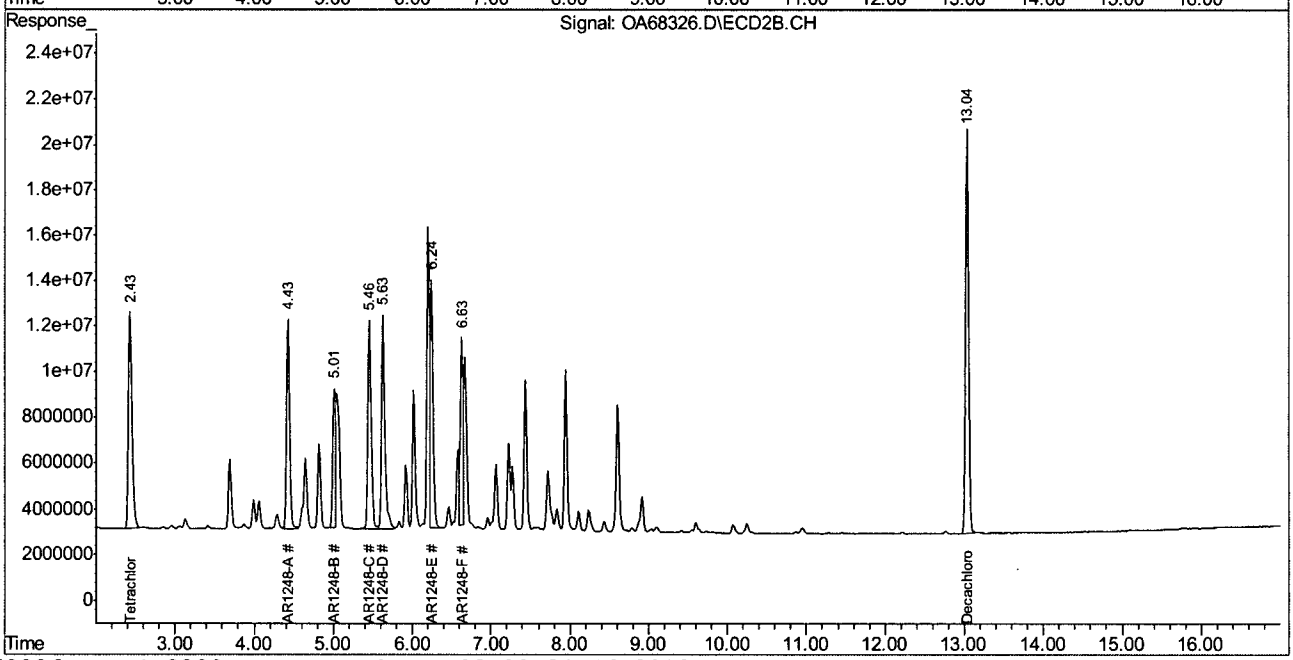
Quantitation Report (QT Reviewed)

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





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

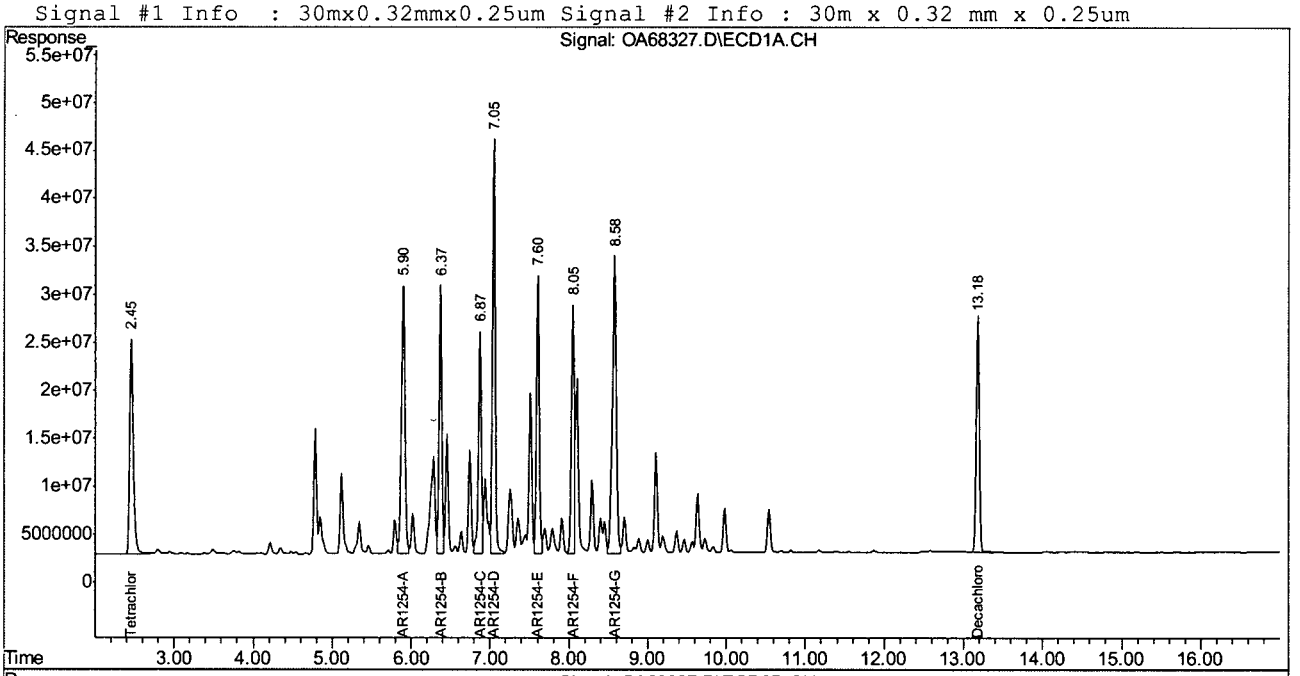
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68327.D PCB2389.M Wed Nov 03 09:35:00 2010 RPT1

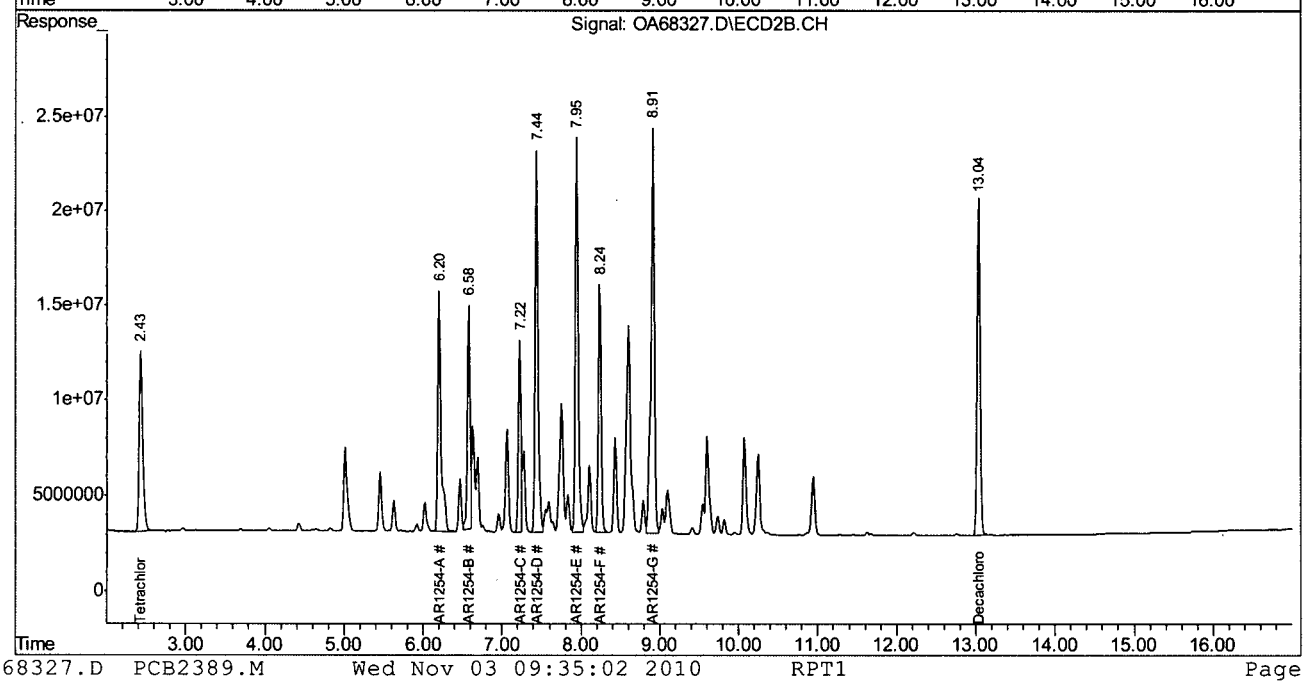
Quantitation Report (QT Reviewed)

```
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
```





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

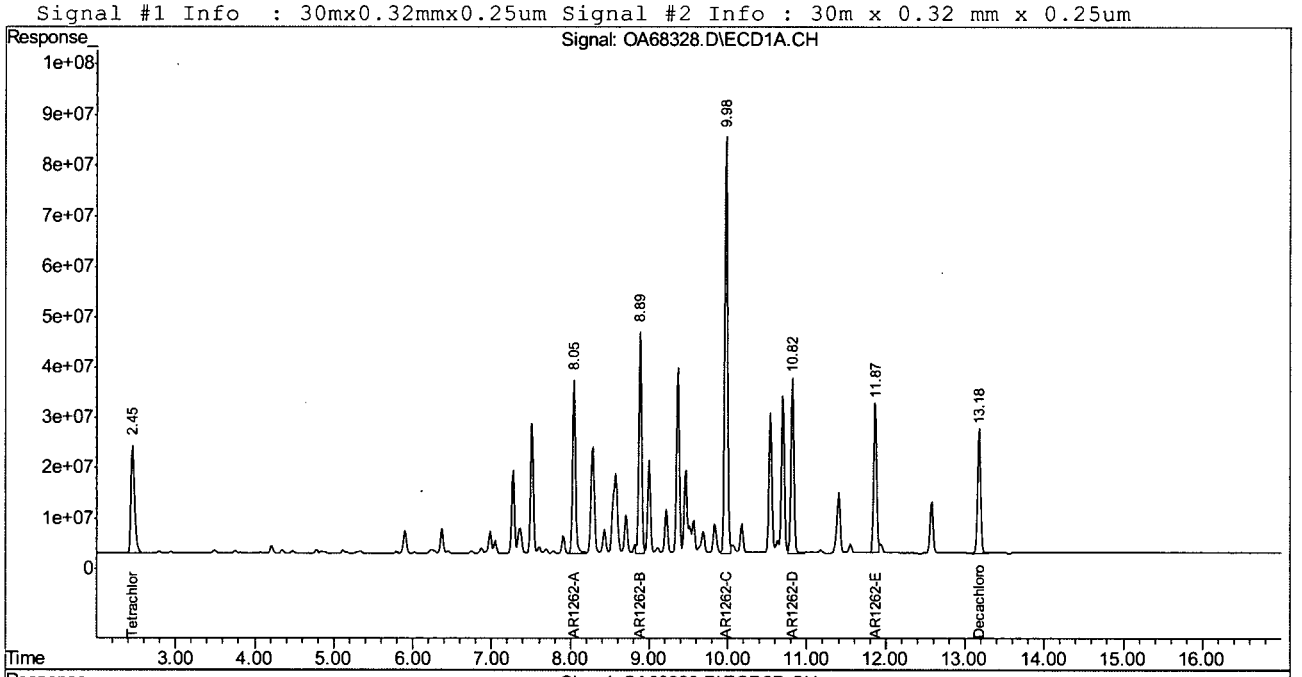
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68328.D PCB2389.M Wed Nov 03 09:35:15 2010 RPT1

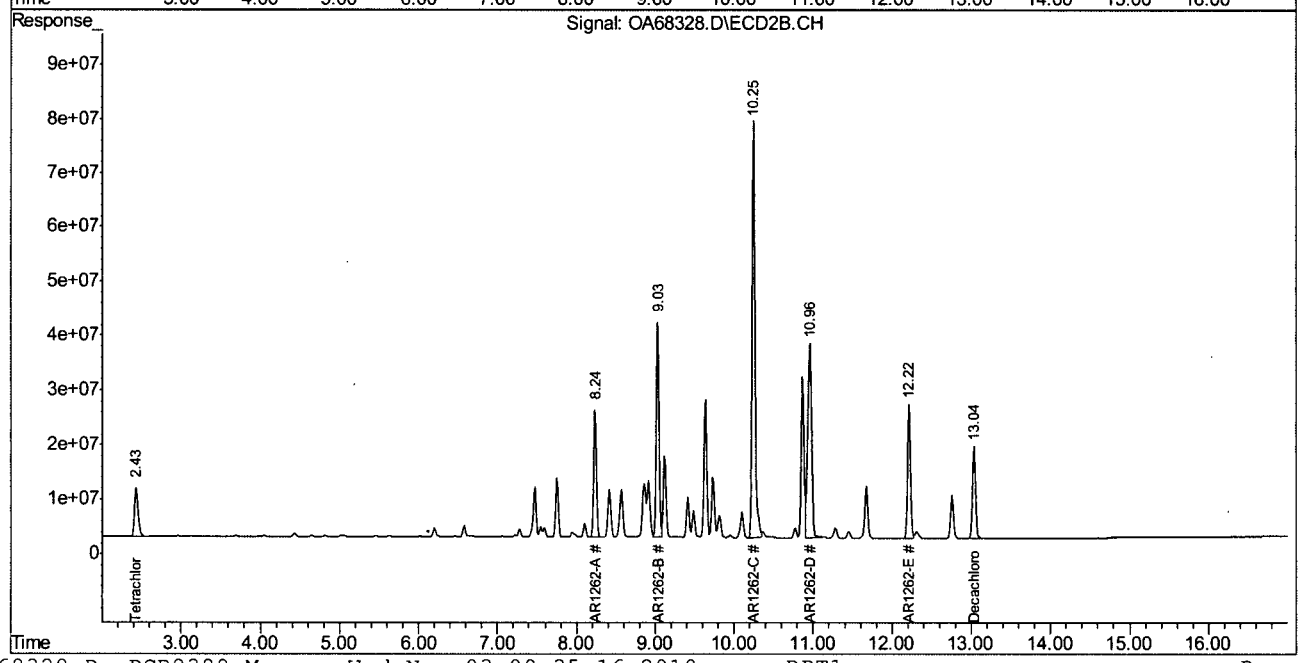
Quantitation Report (QT Reviewed)

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





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

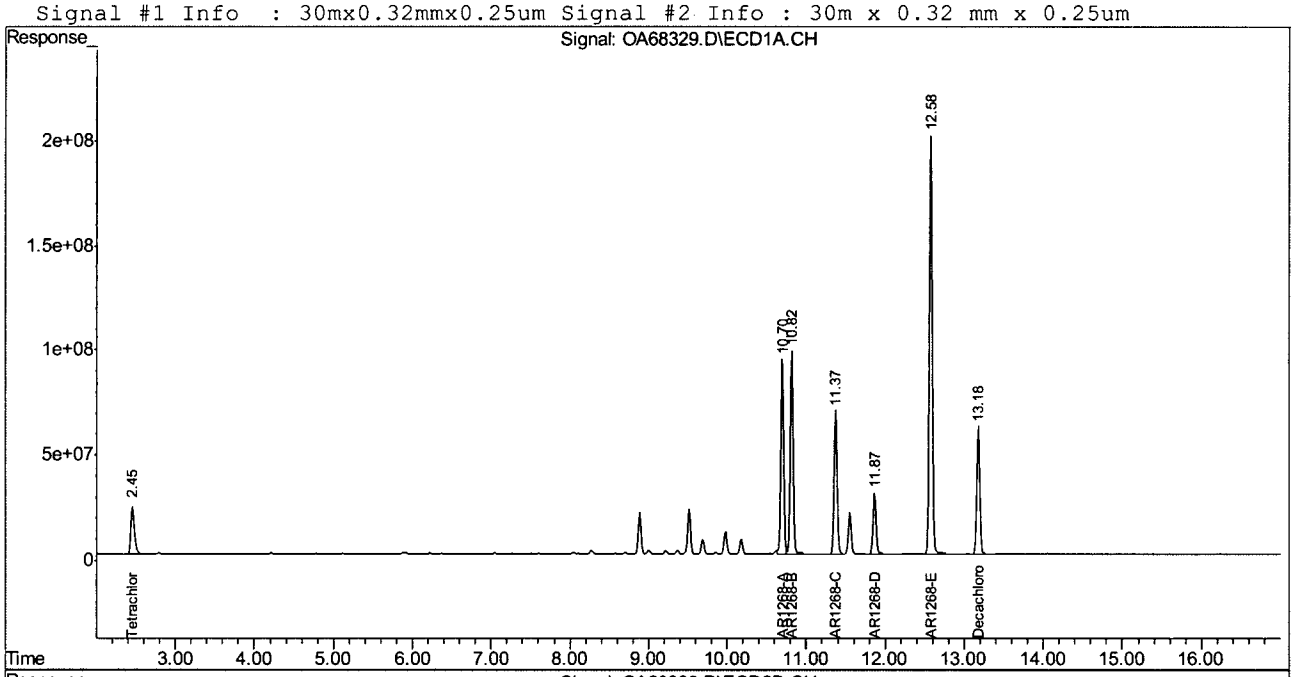
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68329.D PCB2389.M Wed Nov 03 09:35:33 2010 RPT1

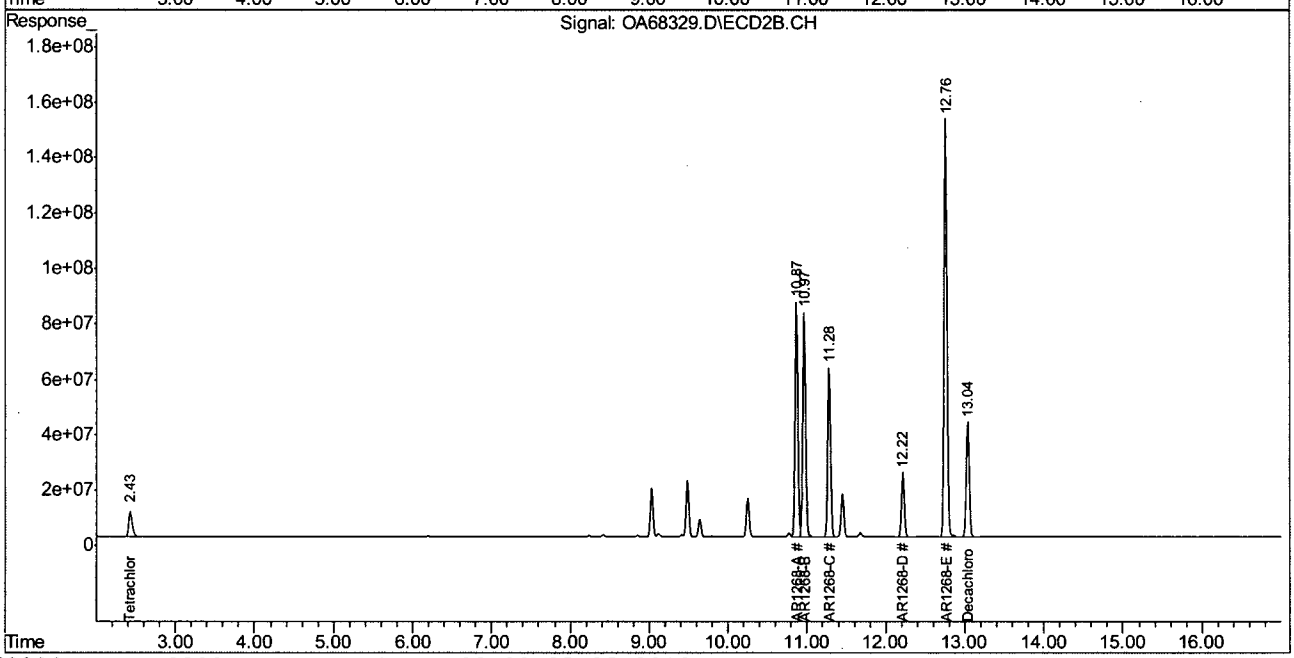
Quantitation Report (QT Reviewed)

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





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

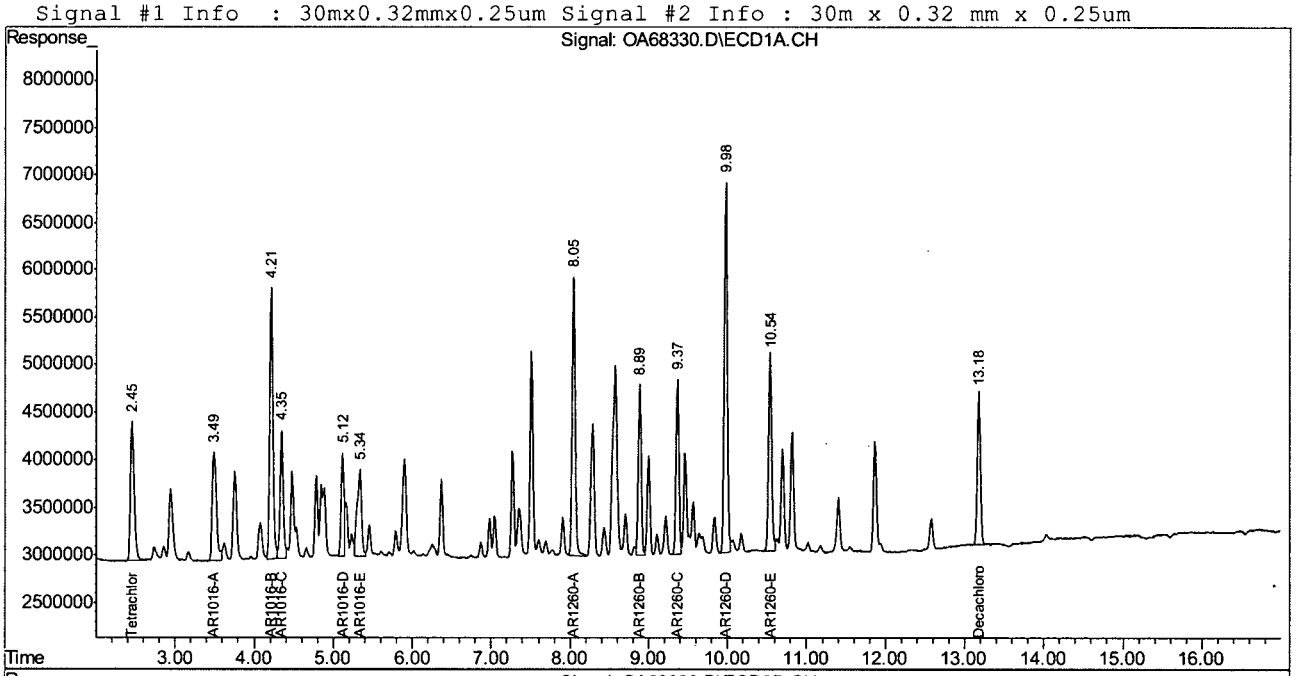
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68330.D PCB2389.M Wed Nov 03 09:36:22 2010 RPT1

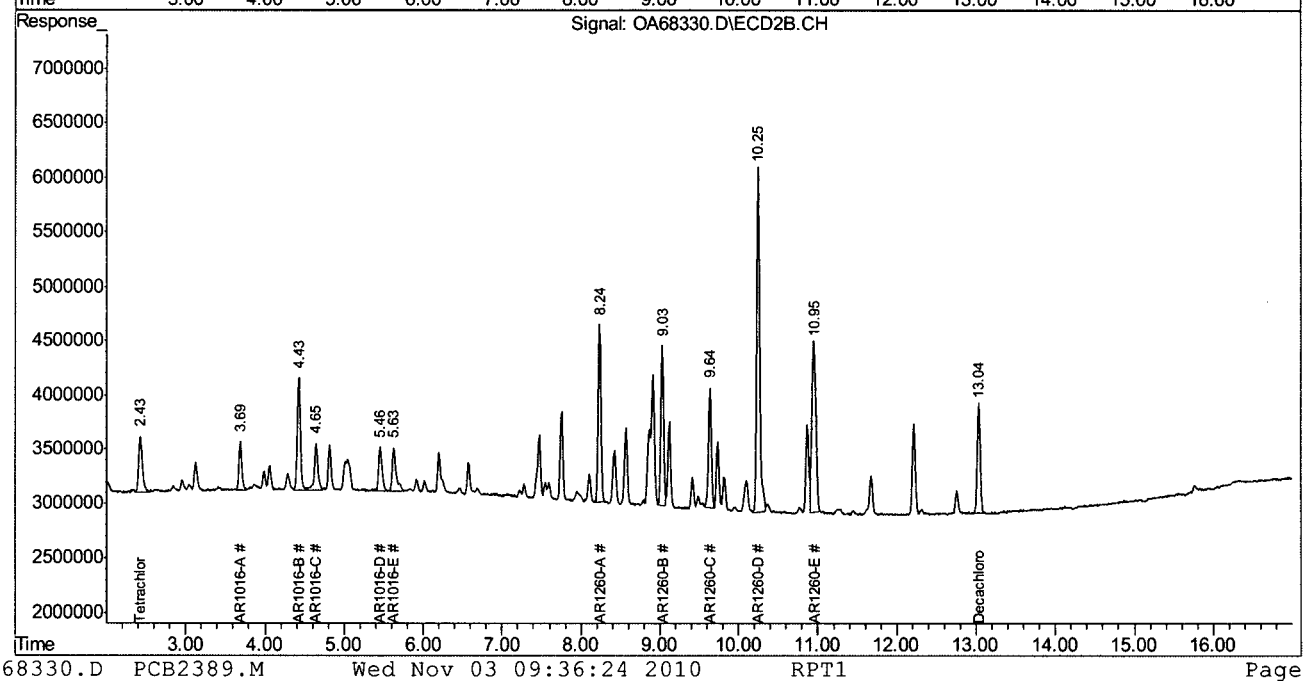
Quantitation Report (QT Reviewed)

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





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

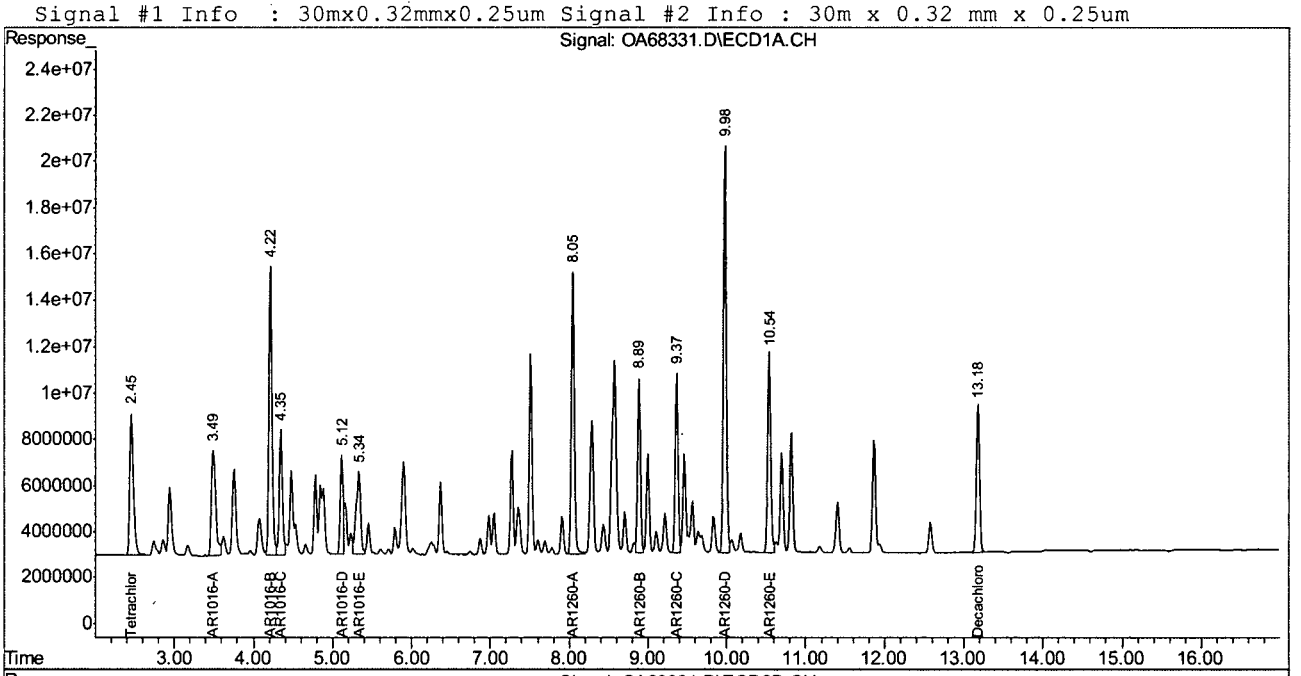
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68331.D PCB2389.M Wed Nov 03 09:36:46 2010 RPT1

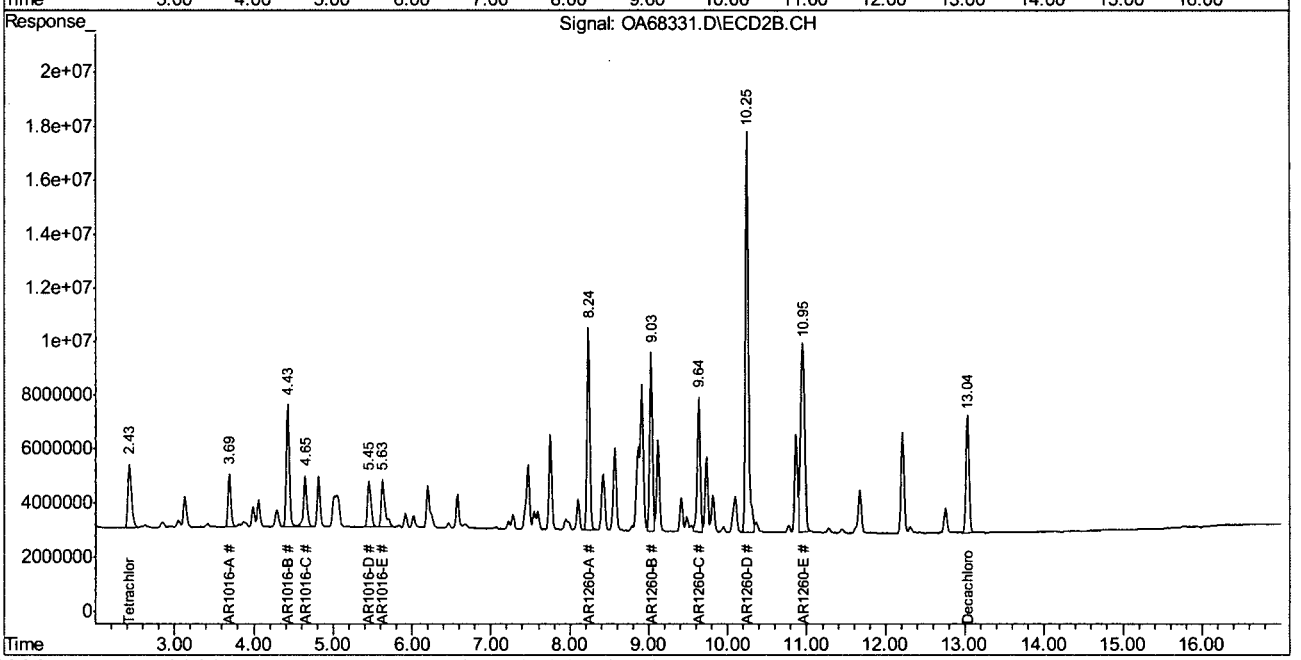
Quantitation Report (QT Reviewed)

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





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

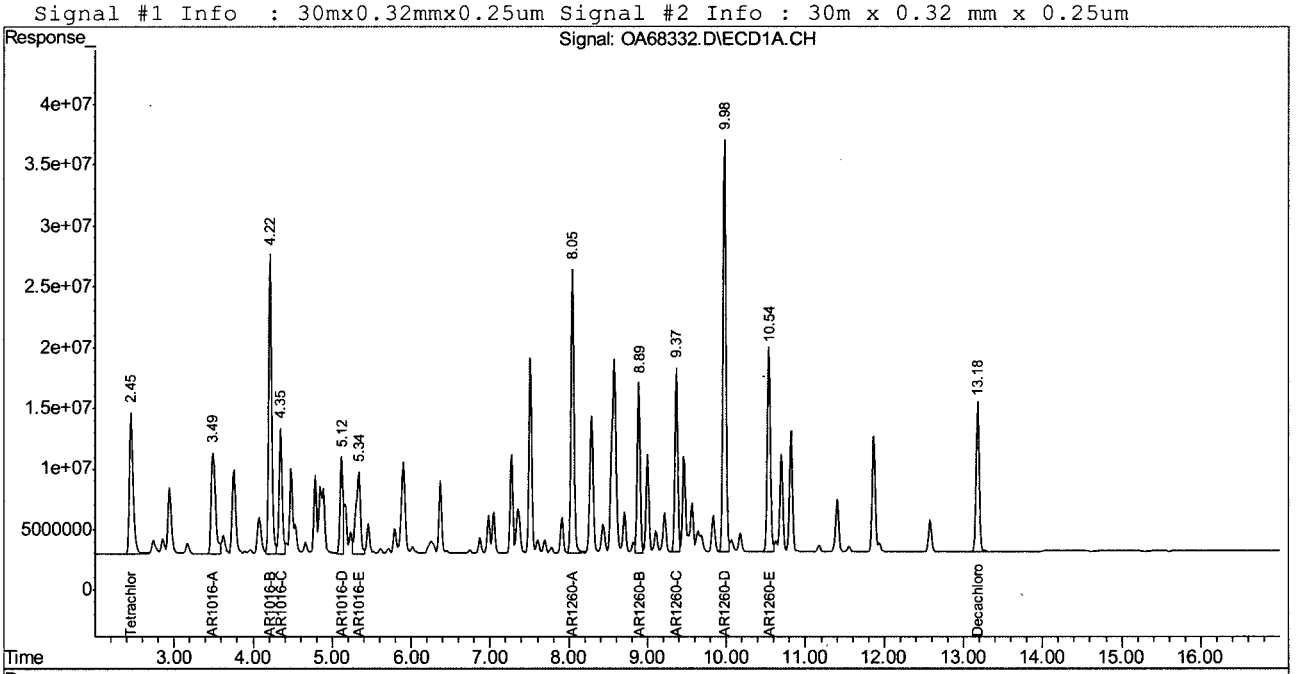
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68332.D PCB2389.M Wed Nov 03 09:37:12 2010 RPT1

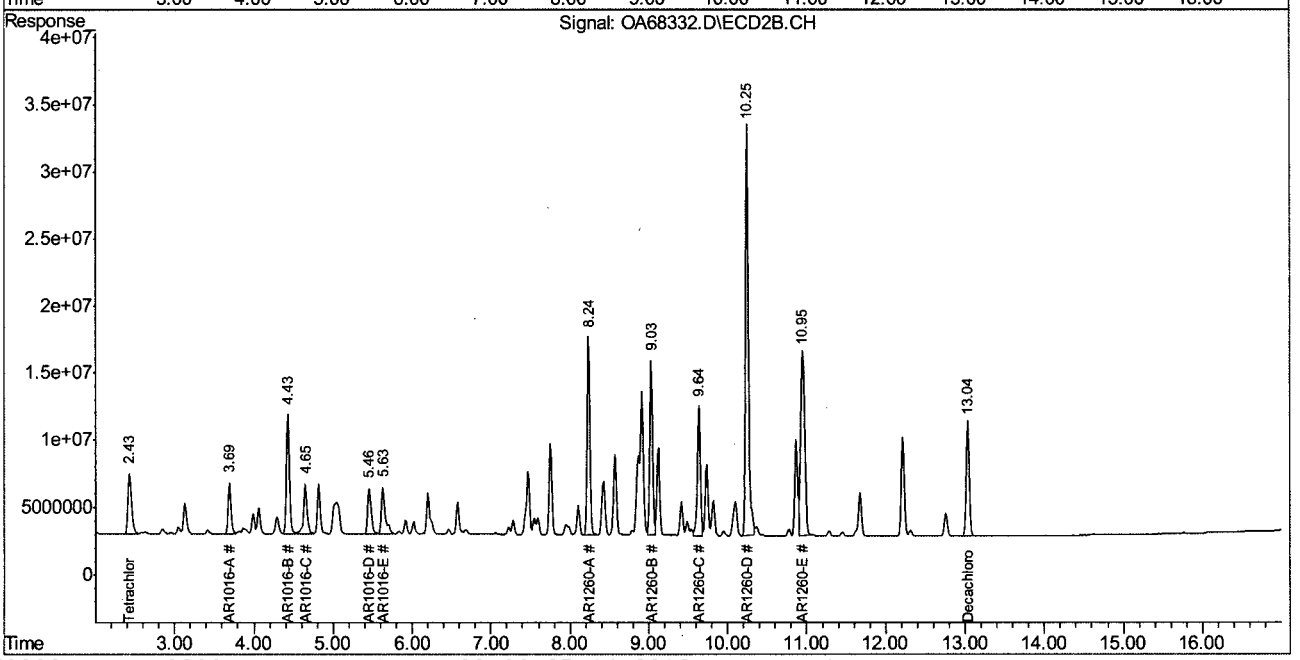
Quantitation Report (QT Reviewed)

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	2.45	2.43	731.8E6	277.5E6	35.094	40.664
	Spiked Amount 40.000			Recovery	=	87.74%	101.66%
52) S	Decachlorobiphen	13.18	13.04	646.6E6	437.5E6	33.980	41.185
	Spiked Amount 40.000			Recovery	=	84.95%	102.96%
	Target Compounds						
32)	AR1016-A	3.49	3.69	626.2E6	186.5E6	931.314	1037.612
33)	AR1016-B	4.22	4.43	1242.3E6	462.6E6	884.615	1029.788
34)	AR1016-C	4.35	4.65	514.2E6	209.9E6	868.528	1032.368
35)	AR1016-D	5.12	5.46	386.5E6	196.4E6	868.429	1039.829
36)	AR1016-E	5.34	5.63	493.6E6	220.1E6	882.407	1037.227
37)	AR1260-A	8.05	8.24	1179.1E6	688.6E6	874.620	1046.360
38)	AR1260-B	8.89	9.03	682.9E6	621.0E6	862.978	1044.044
39)	AR1260-C	9.37	9.64	715.3E6	488.0E6	870.113	1045.331
40)	AR1260-D	9.98	10.25	1707.8E6	1575.5E6	879.417	1056.550
41)	AR1260-E	10.54	10.95	877.7E6	1020.7E6	866.854	1048.053

10.6.49 10

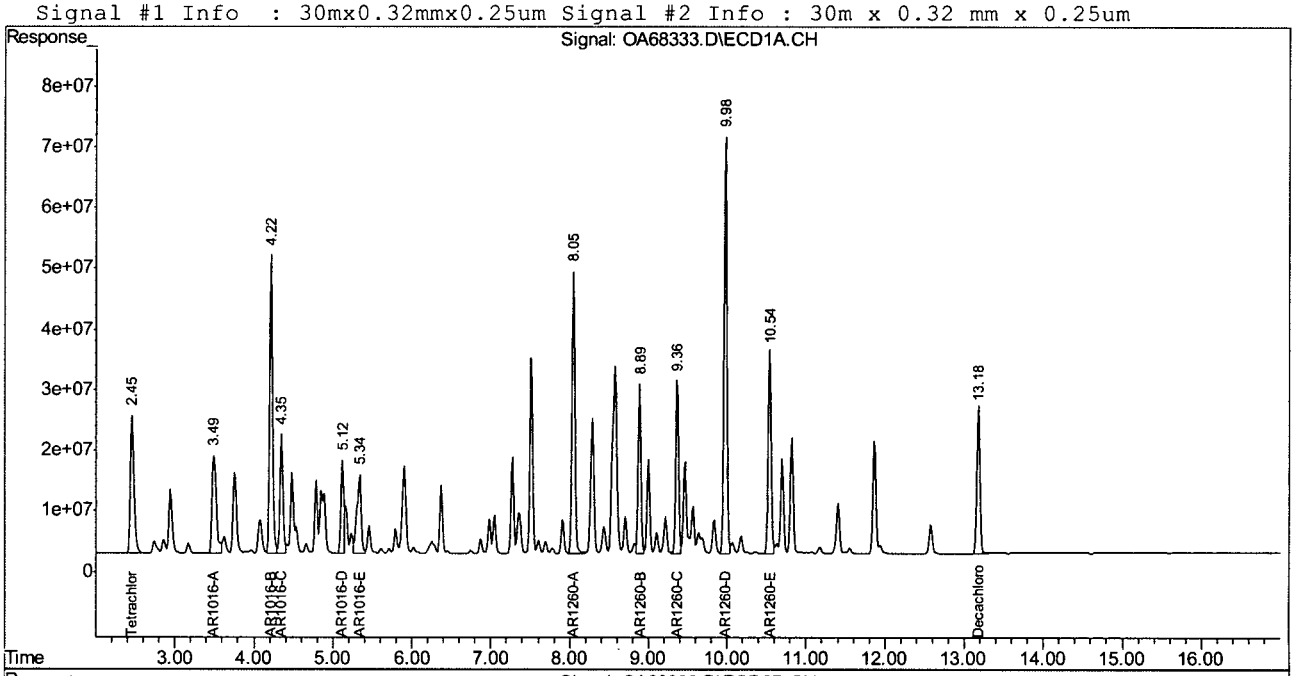
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68333.D PCB2389.M Wed Nov 03 09:36:00 2010 RPT1

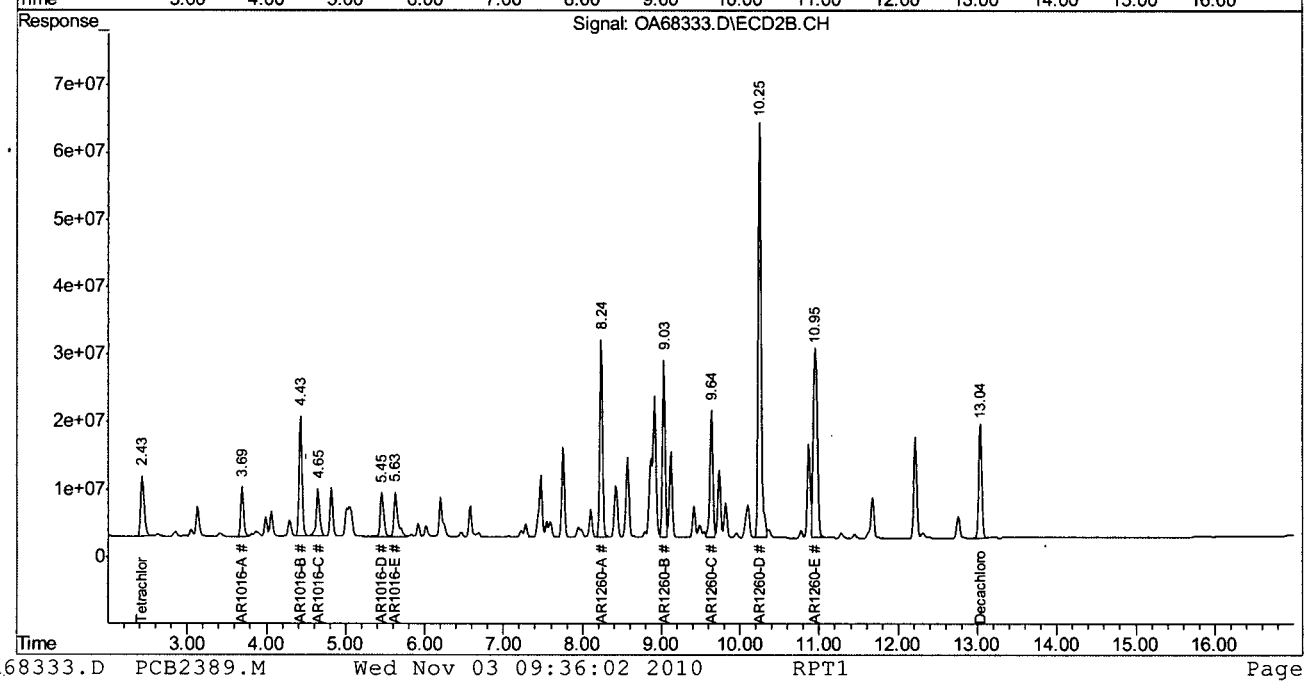
Quantitation Report (QT Reviewed)

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





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

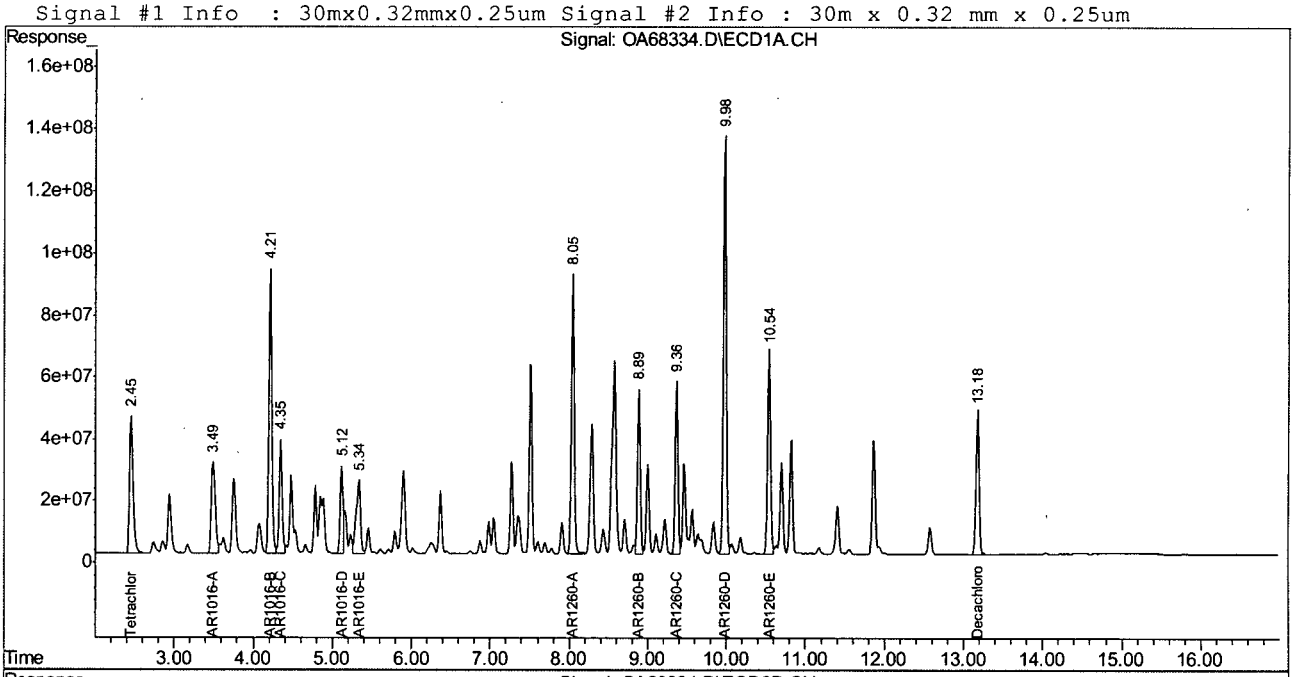
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68334.D PCB2389.M Wed Nov 03 09:37:37 2010 RPT1

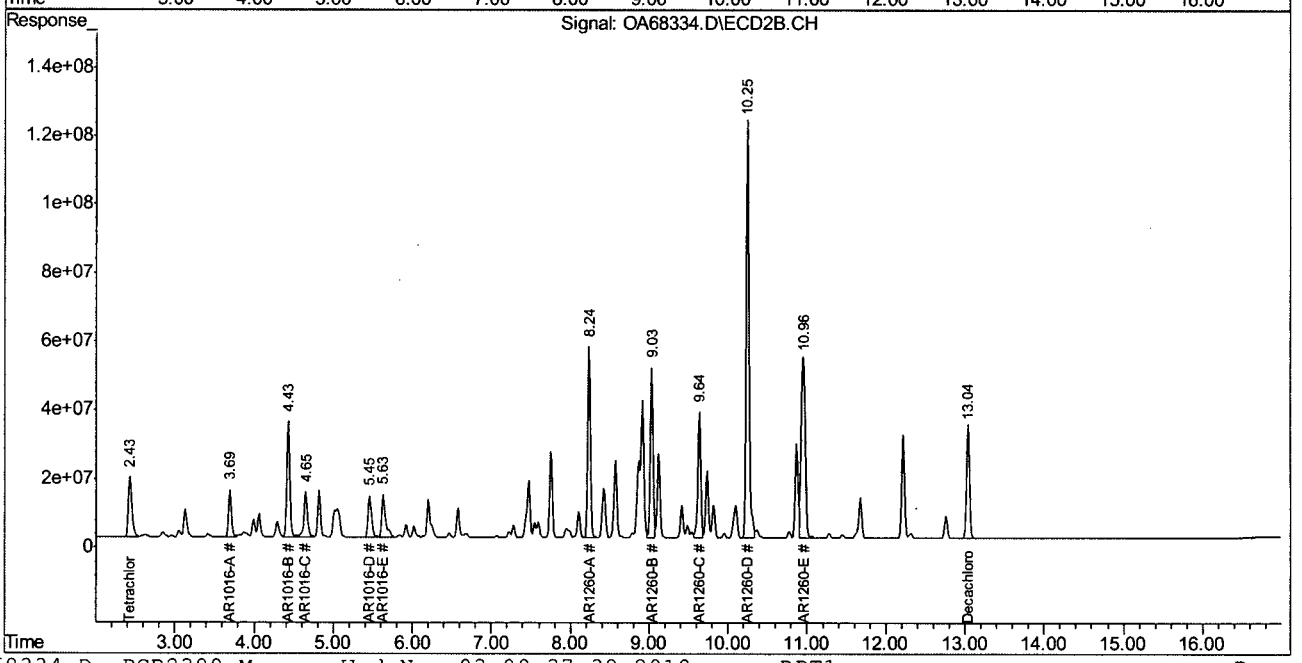
Quantitation Report (QT Reviewed)

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





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						
1) S	Tetrachloro-m-xy	2.45	2.43	2069.8E6	822.3E6	99.260	120.507
	Spiked Amount 40.000			Recovery	=	248.15%	301.27%
52) S	Decachlorobiphen	13.18	13.04	1833.7E6	1275.0E6	96.369	120.036
	Spiked Amount 40.000			Recovery	=	240.92%	300.09%
	Target Compounds						
32)	AR1016-A	3.49	3.69	1567.0E6	511.7E6	2330.542	2846.764
33)	AR1016-B	4.21	4.43	3446.4E6	1302.3E6	2453.983	2899.042
34)	AR1016-C	4.35	4.65	1377.5E6	586.3E6	2326.648	2883.285
35)	AR1016-D	5.12	5.46	1025.1E6	540.0E6	2302.993	2858.858
36)	AR1016-E	5.34	5.63	1297.3E6	605.2E6	2319.144	2852.177
37)	AR1260-A	8.05	8.24	3254.6E6	1925.2E6	2414.141	2925.511
38)	AR1260-B	8.89	9.03	1882.9E6	1747.4E6	2379.406	2937.887
39)	AR1260-C	9.37	9.64	1998.1E6	1368.8E6	2430.617	2931.885
40)	AR1260-D	9.98	10.25	4918.1E6	4547.3E6	2532.496	3049.478
41)	AR1260-E	10.54	10.95	2496.1E6	2920.0E6	2465.434	2998.382

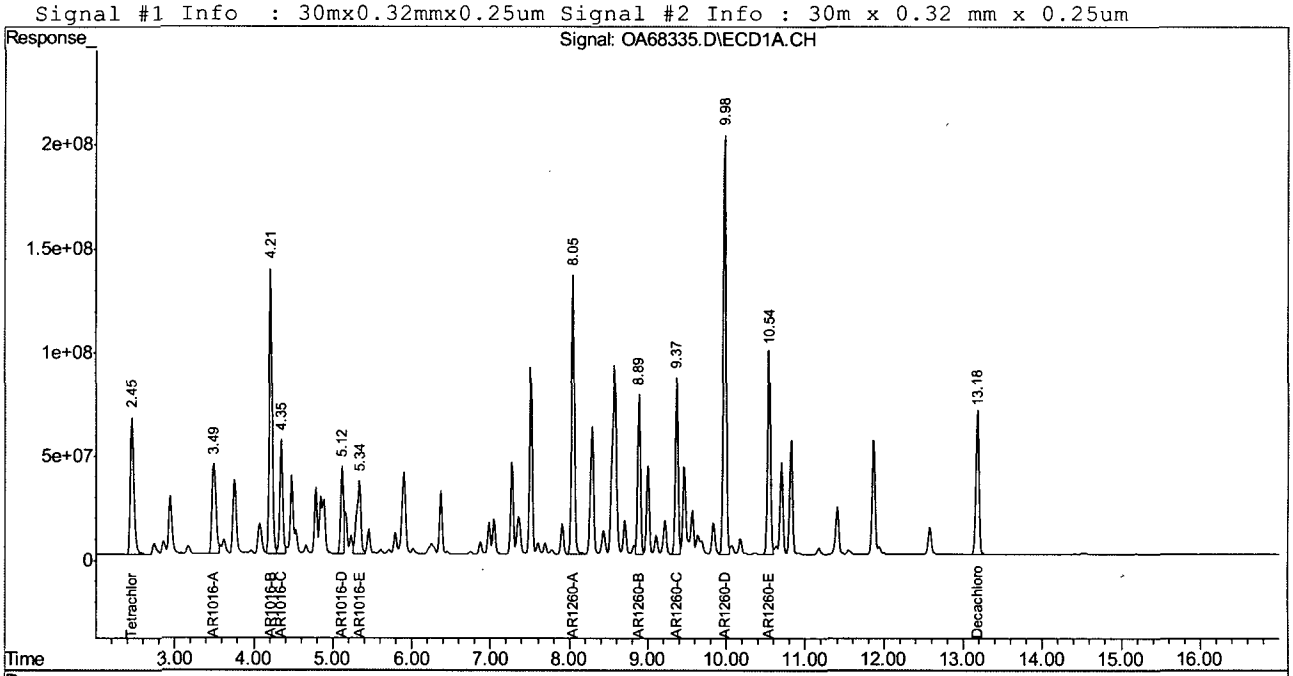
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68335.D PCB2389.M Wed Nov 03 09:37:57 2010 RPT1

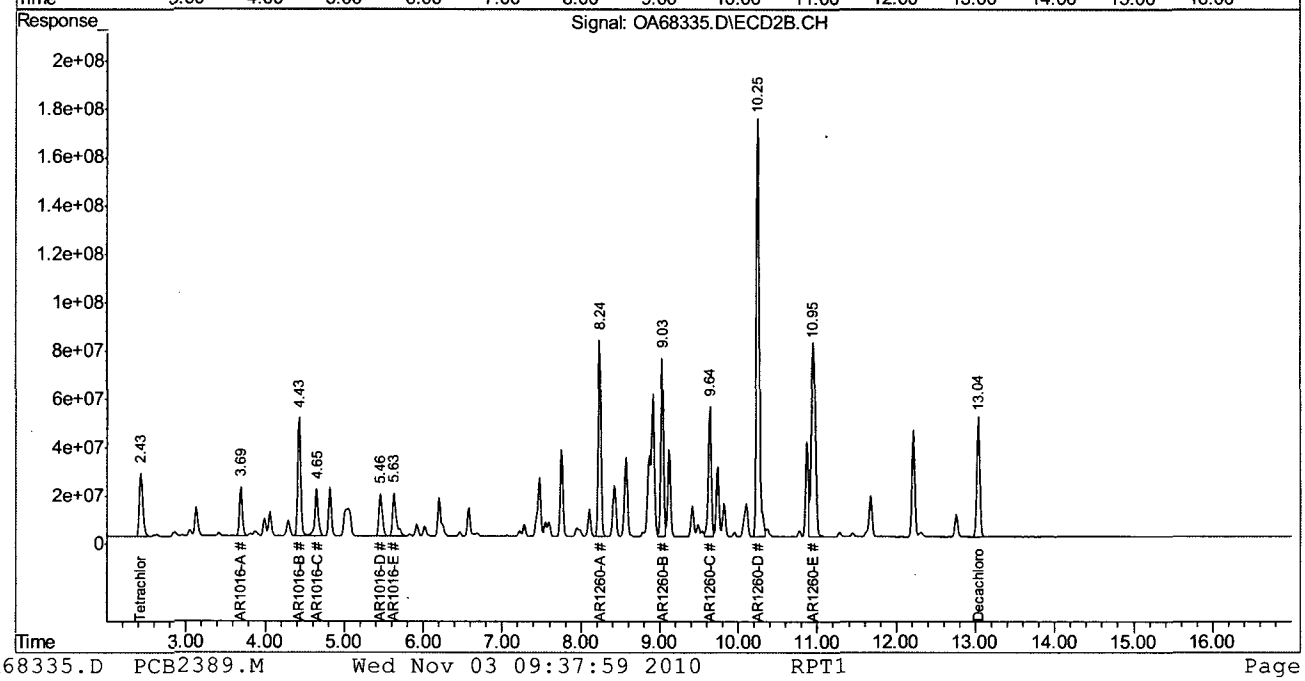
Quantitation Report (QT Reviewed)

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





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

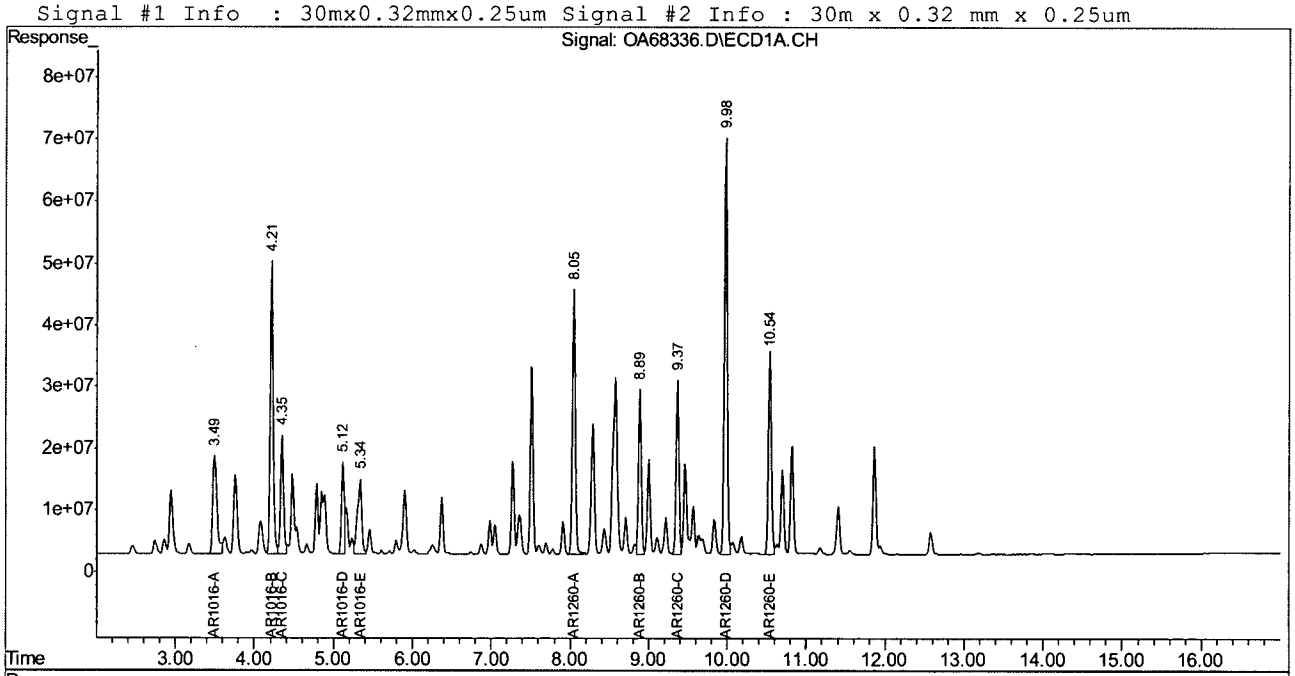
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68336.D PCB2389.M Wed Nov 03 09:38:23 2010 RPT1

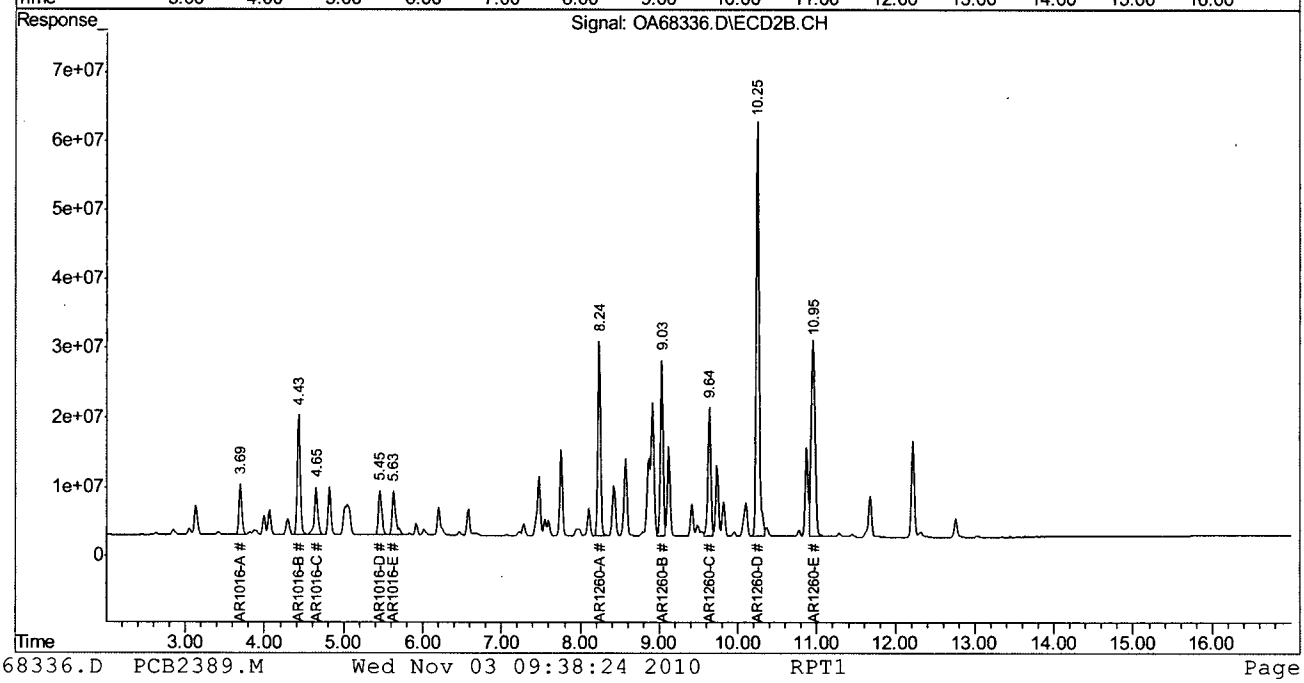
Quantitation Report (QT Reviewed)

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





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

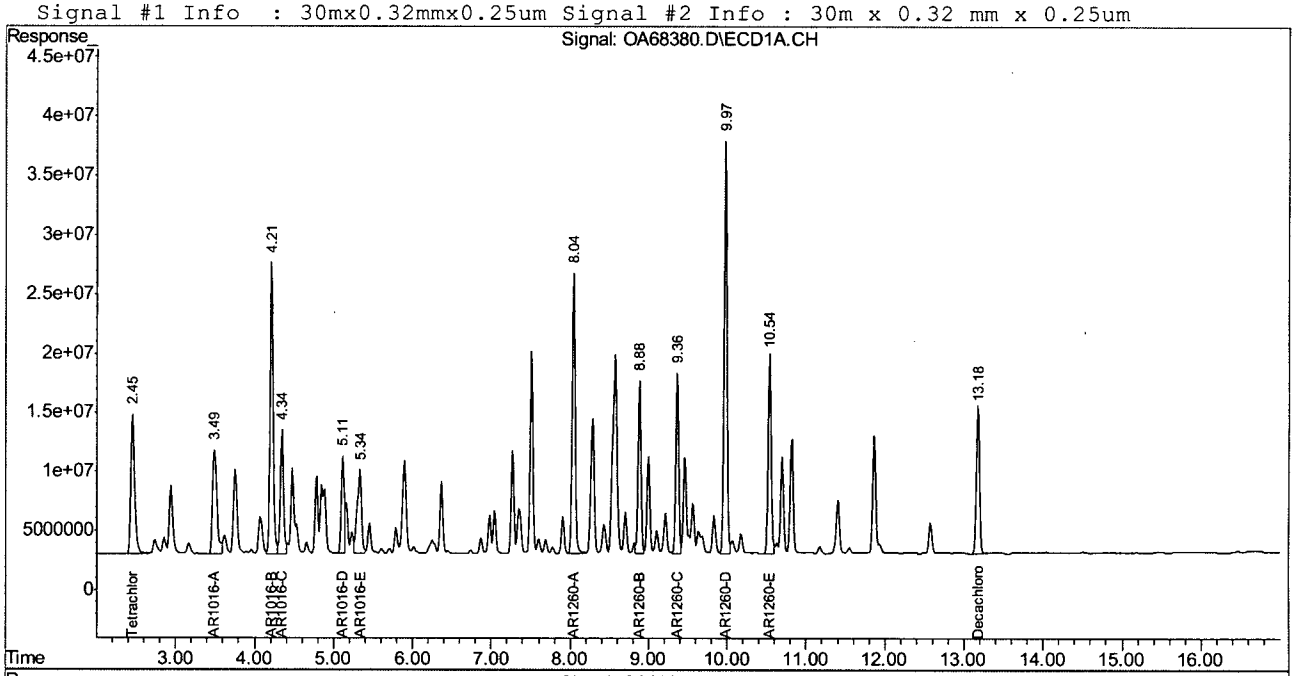
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68380.D PCB2389.M Wed Nov 03 15:31:35 2010 RPT1

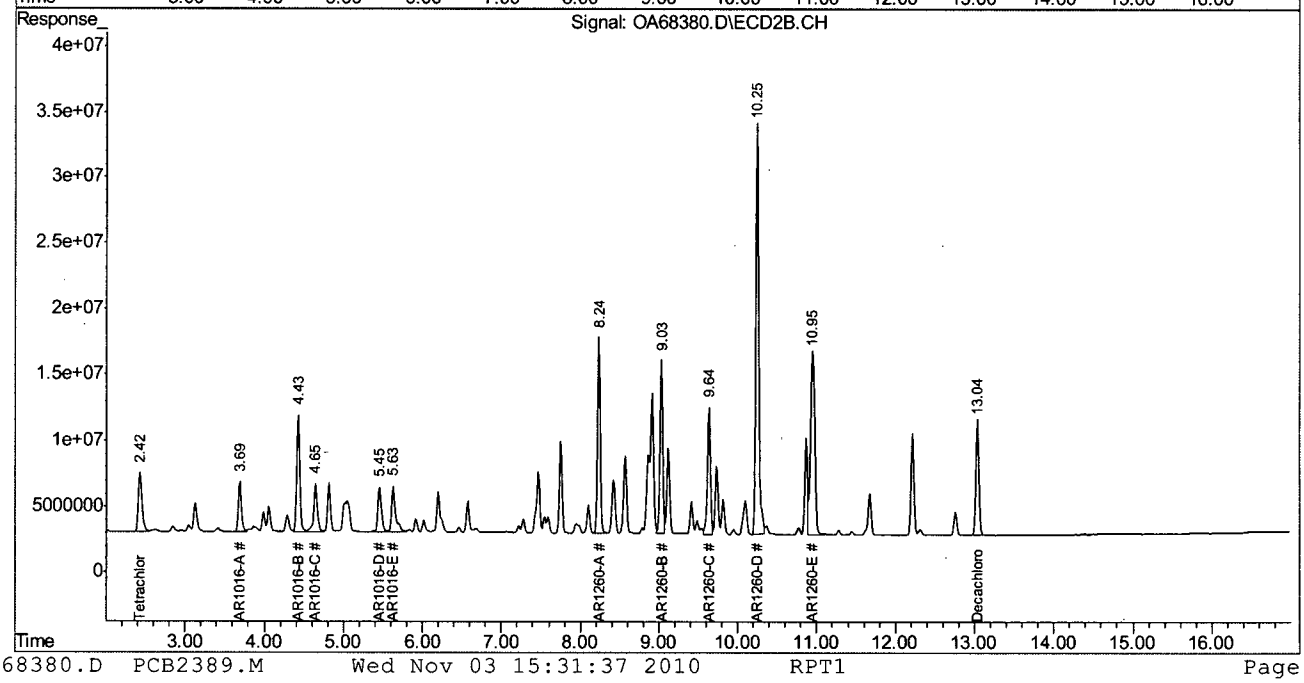
Quantitation Report (QT Reviewed)

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





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

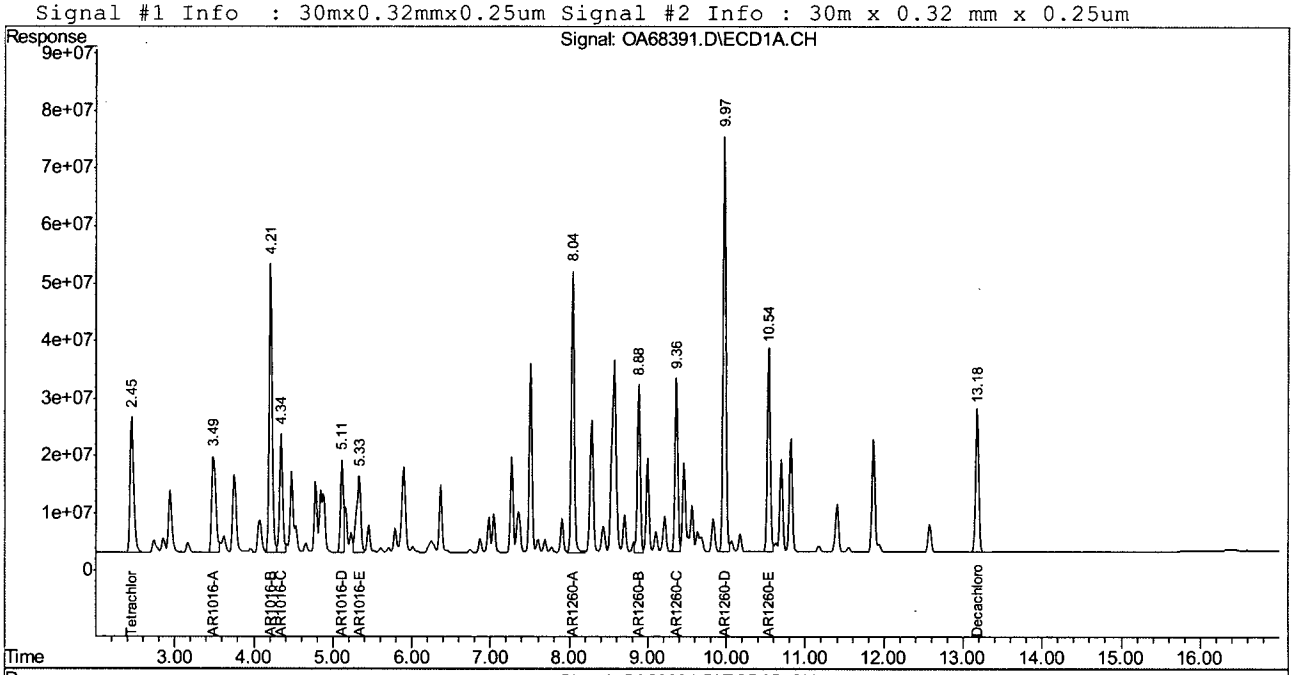
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68391.D PCB2389.M Thu Nov 04 08:09:27 2010 RPT1

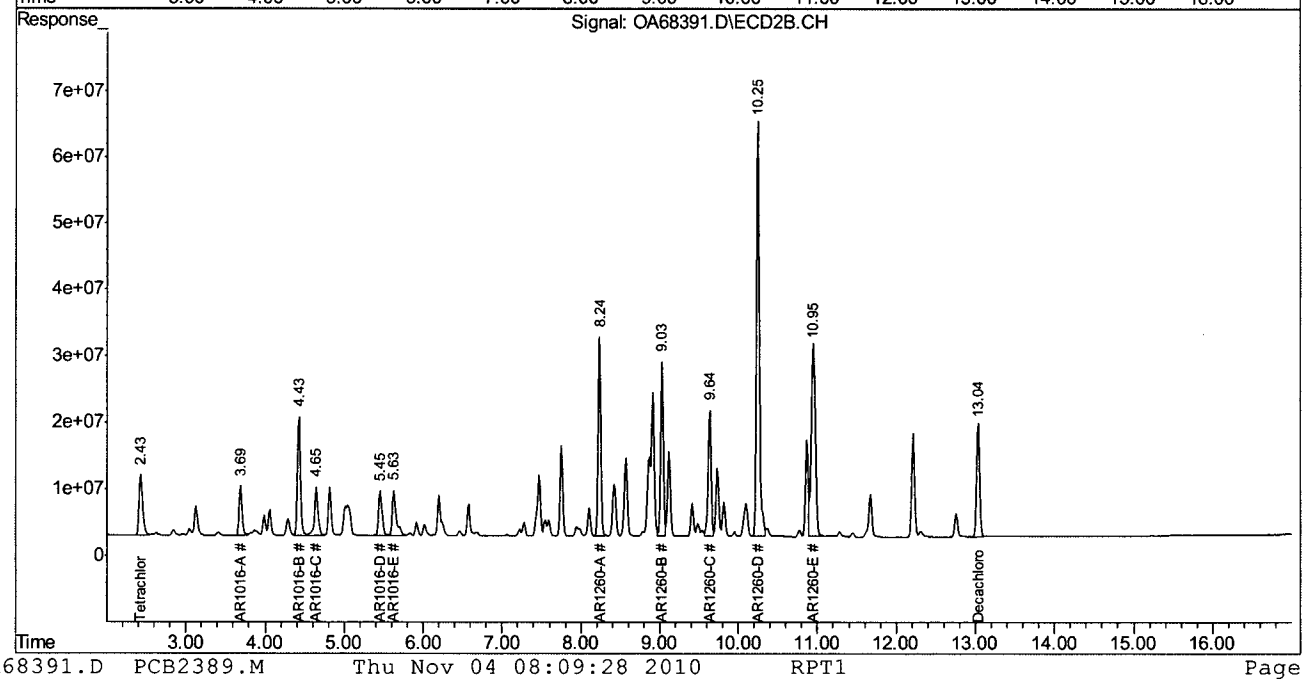
Quantitation Report (QT Reviewed)

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





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

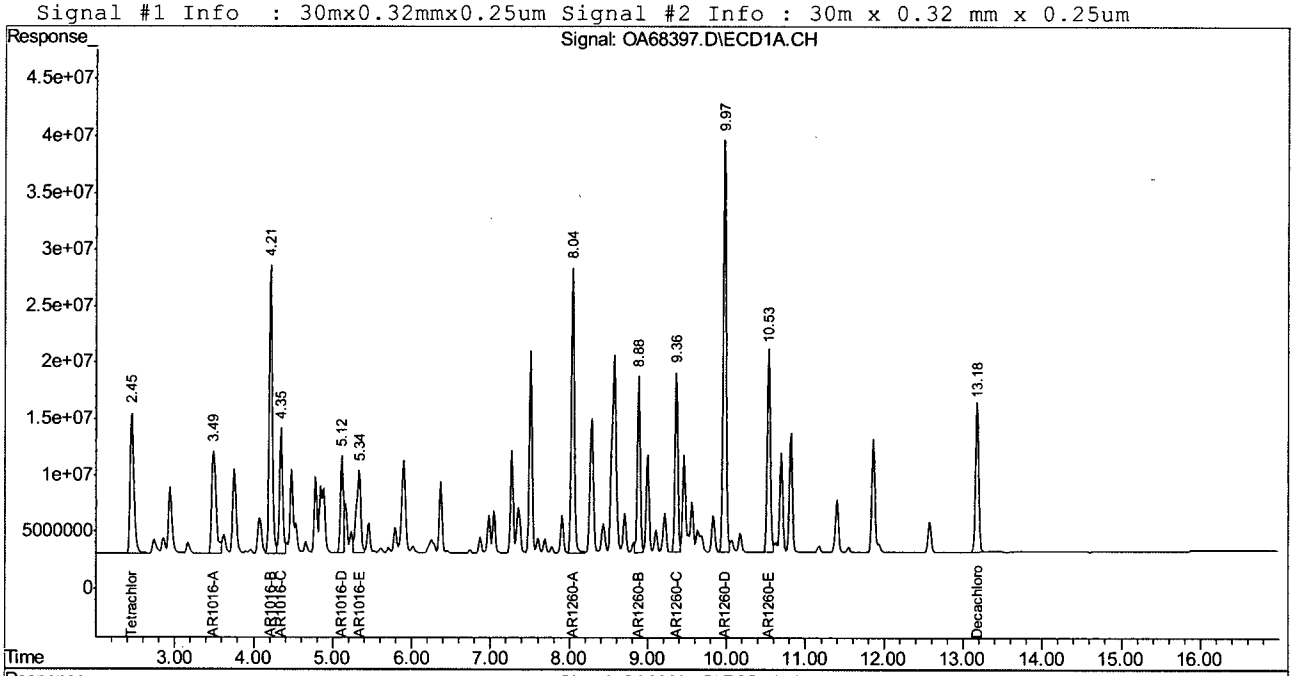
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
OA68397.D PCB2389.M Thu Nov 04 08:06:36 2010 RPT1

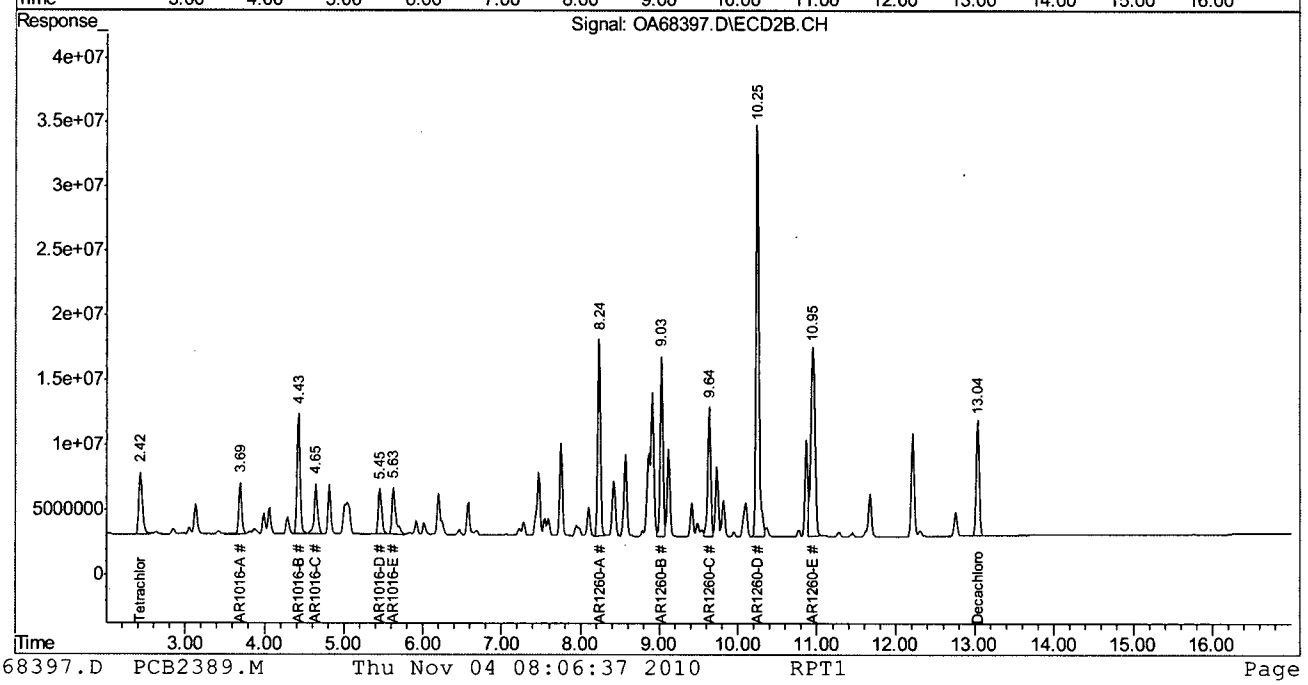
Quantitation Report (QT Reviewed)

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





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

10.6.56 10

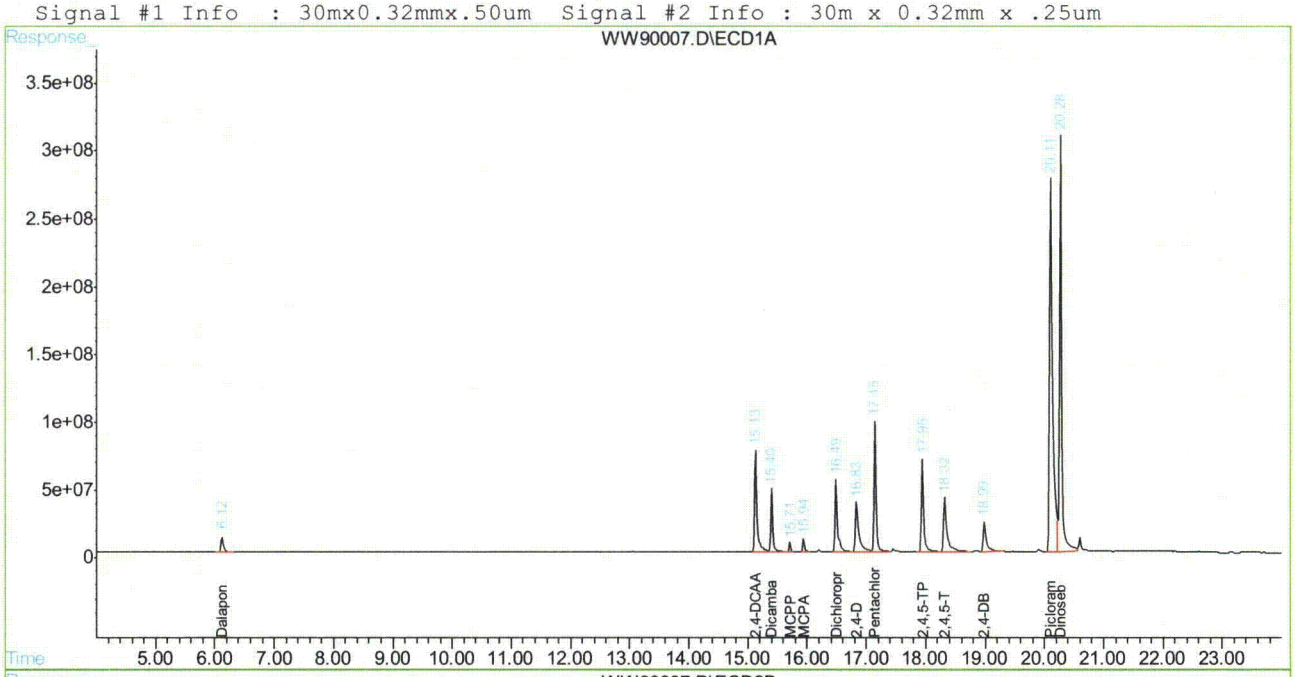
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90007.D HWW3143.M Tue May 04 11:14:28 2010 GCCD

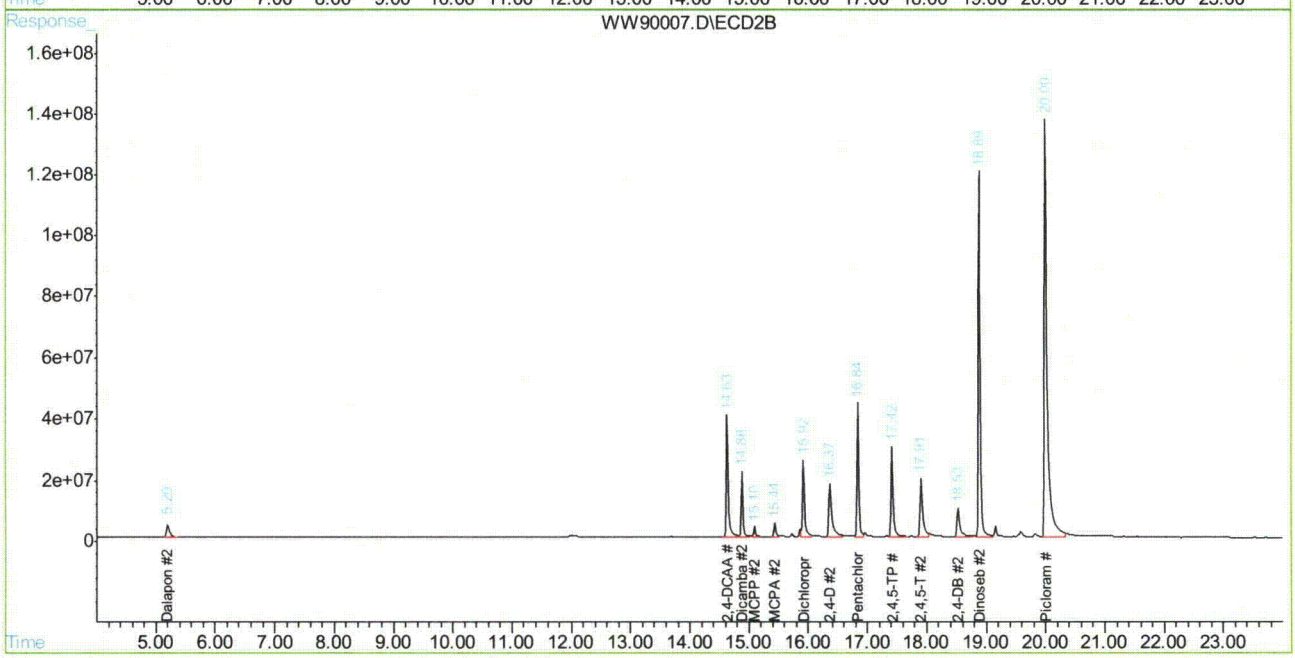
Quantitation Report (QT Reviewed)

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





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

10.6.57 10

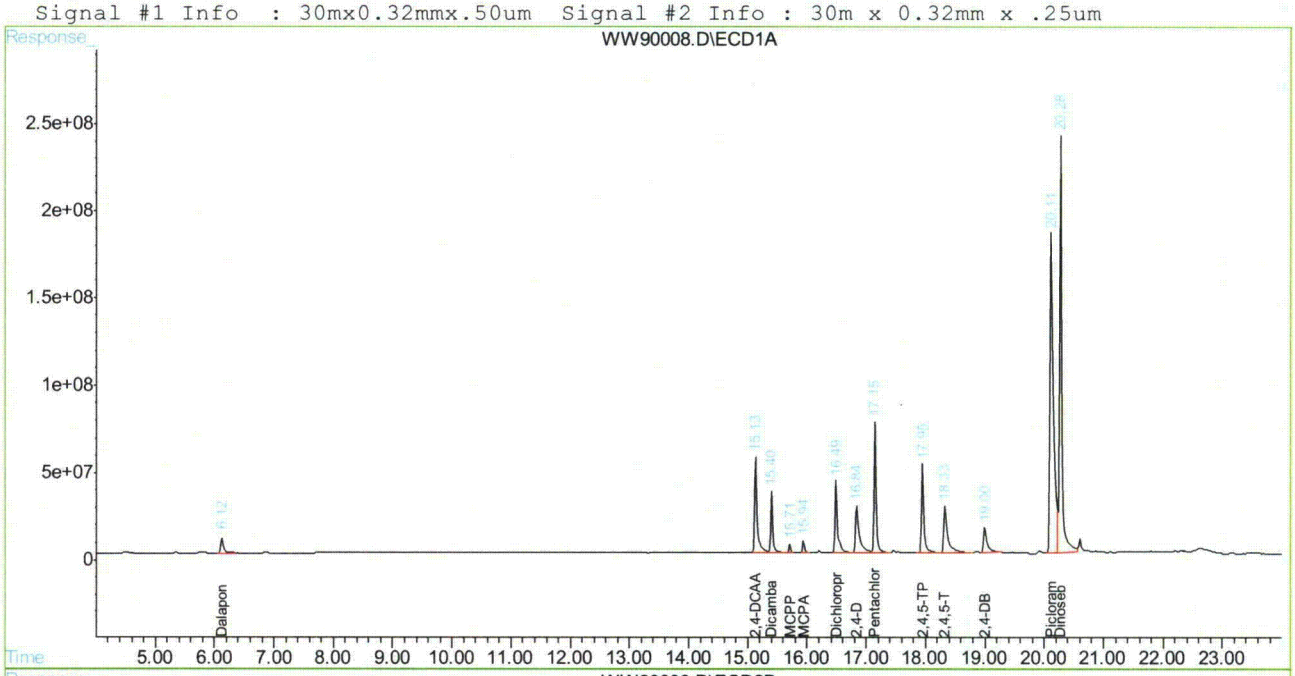
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90008.D HWW3143.M Tue May 04 11:14:40 2010 GCCD

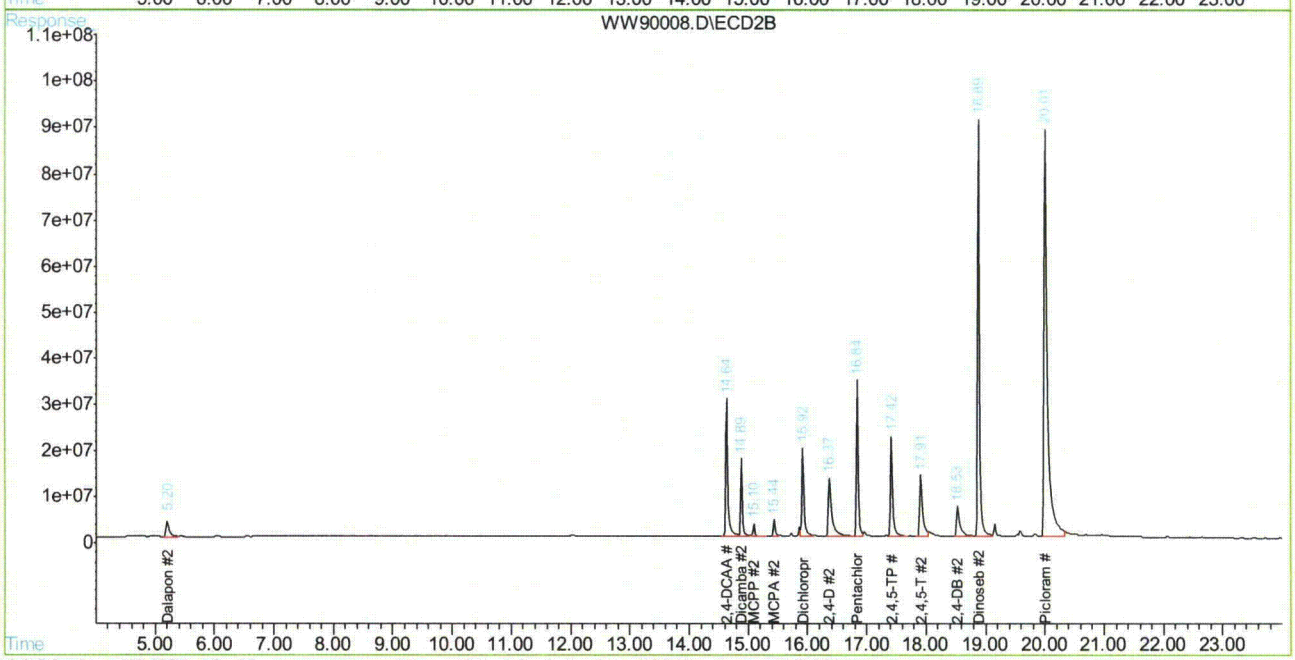
Quantitation Report (QT Reviewed)

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





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

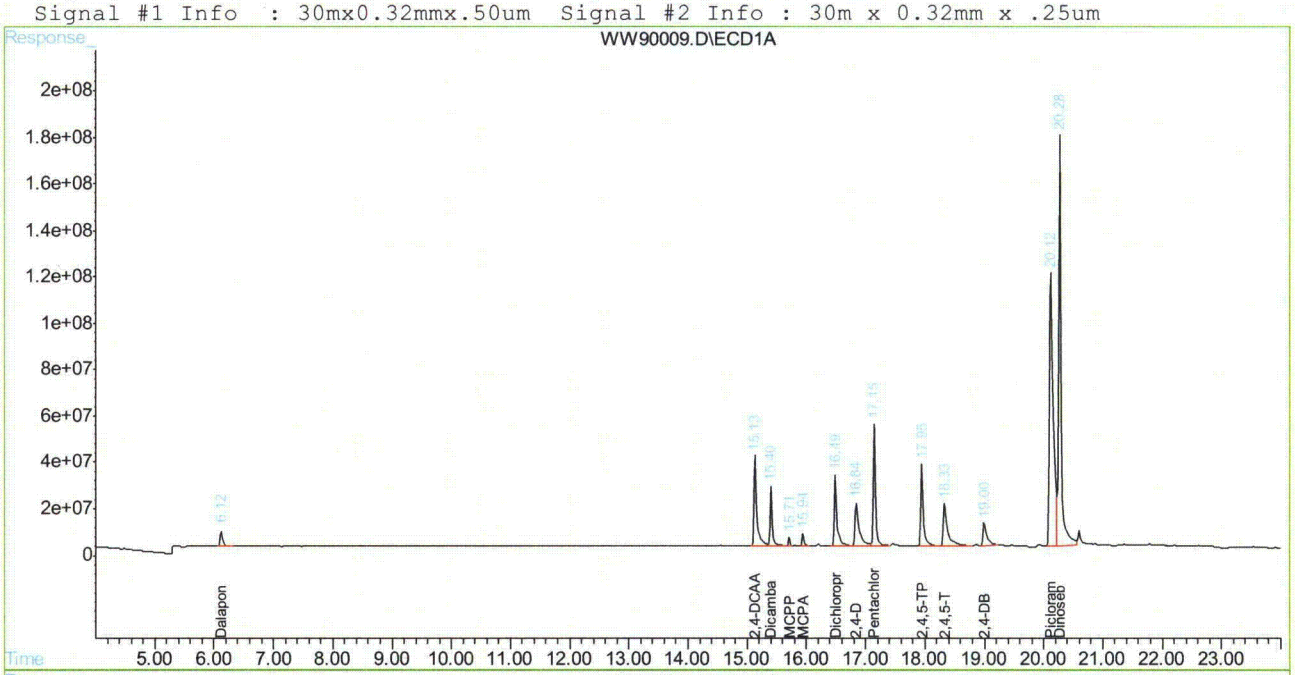
10.6.58 10

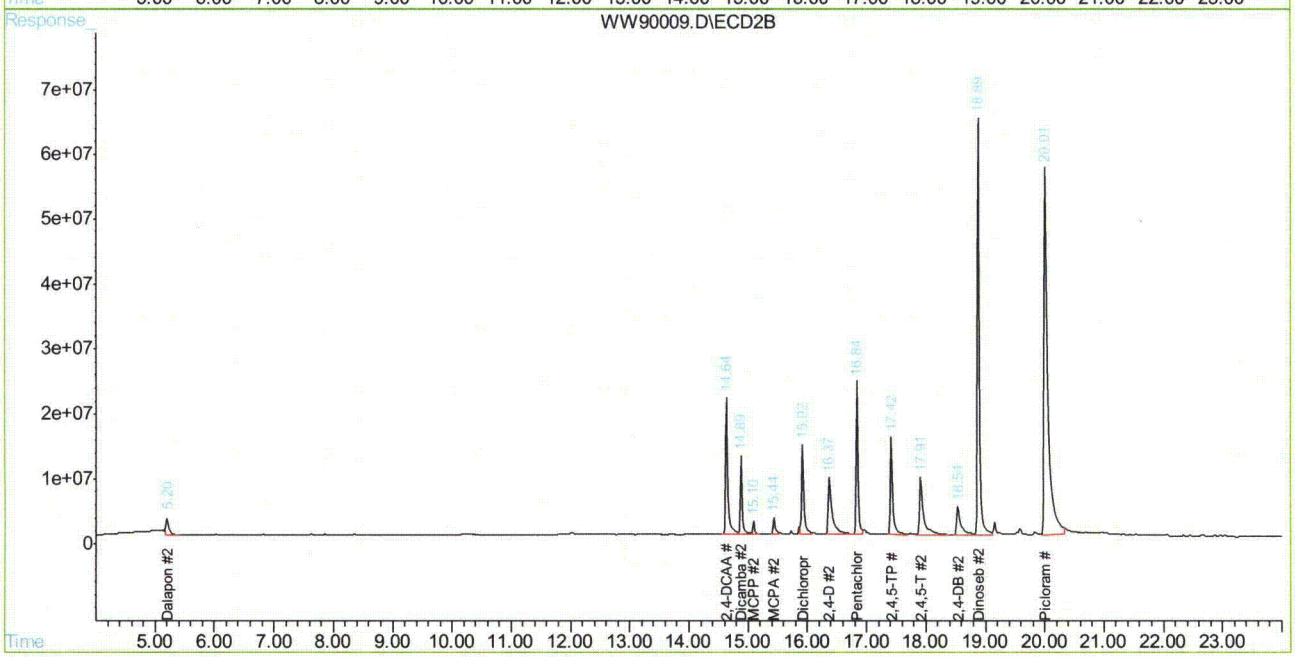
Quantitation Report (QT Reviewed)

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



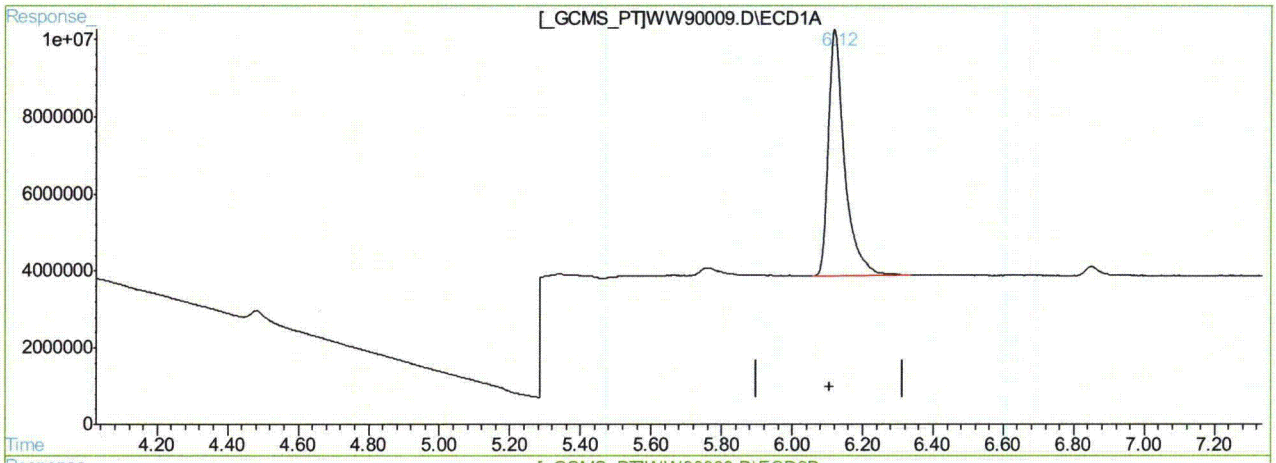


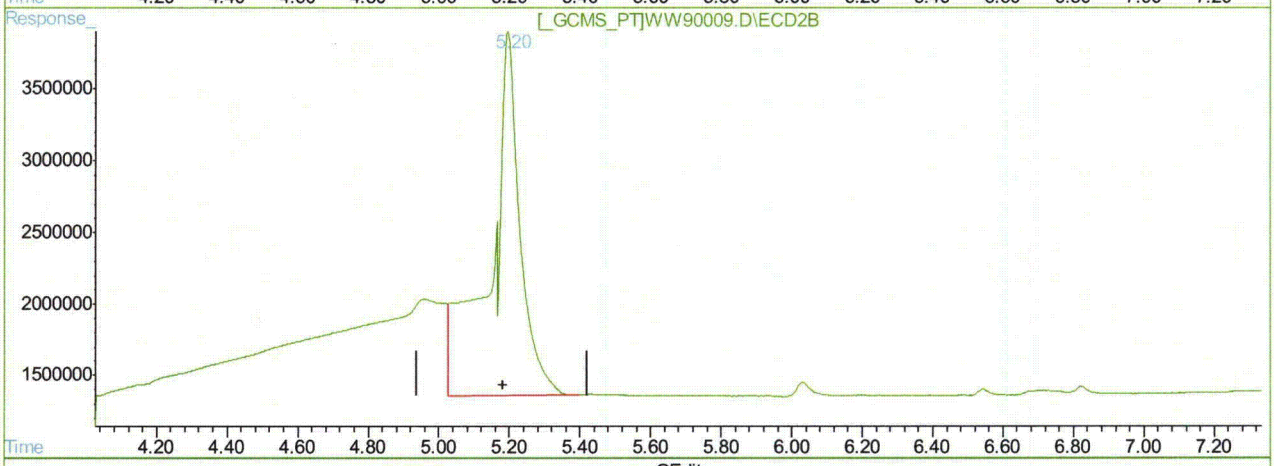
10.6.58 10

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

WW90009.D edits: Dalapon

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

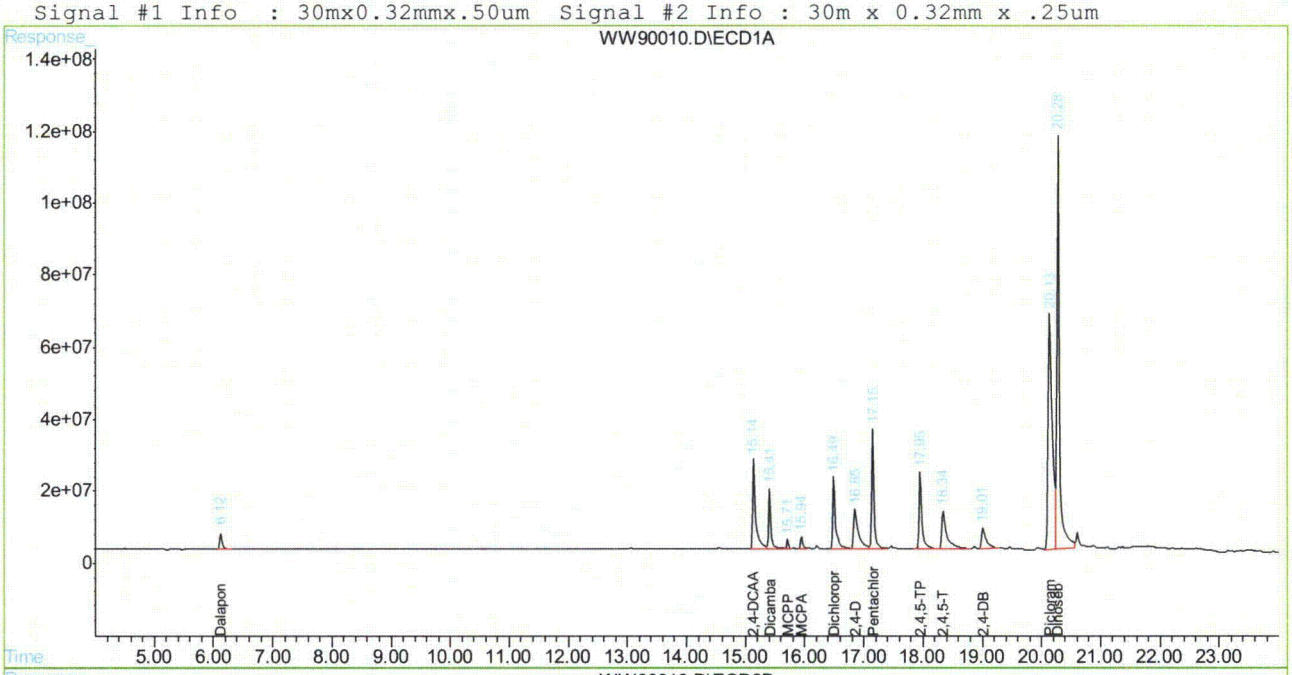
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90010.D HWW3143.M Tue May 04 11:15:07 2010 GCCD

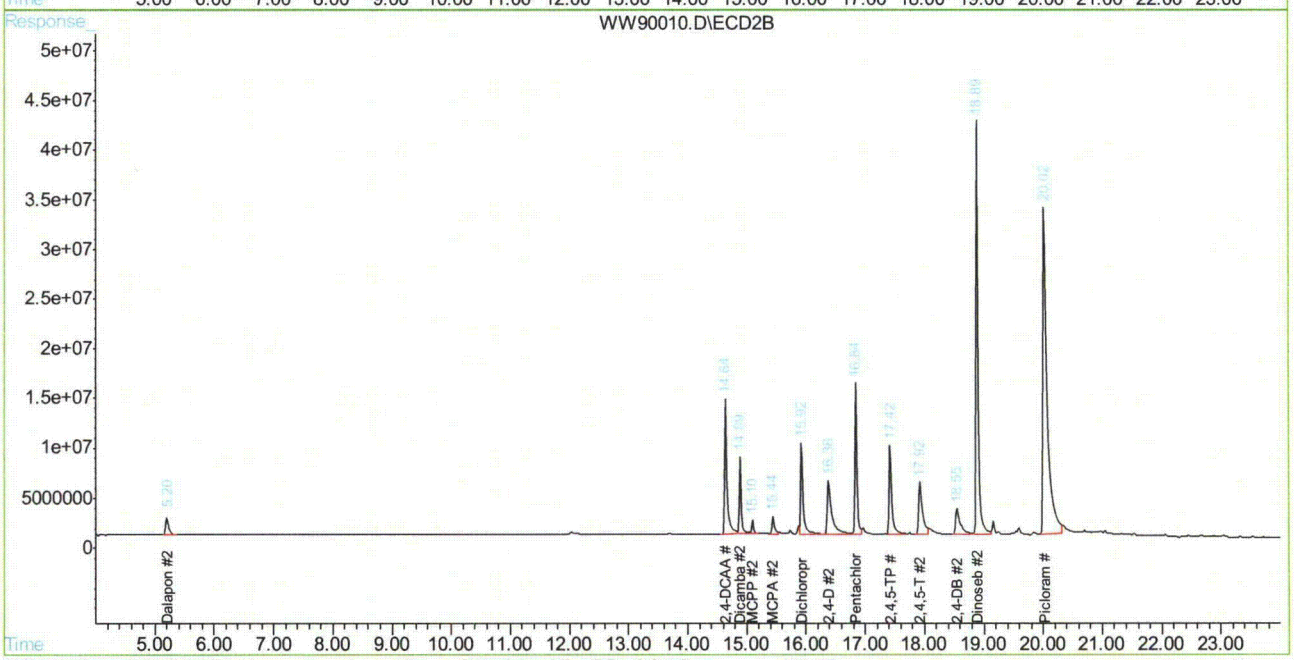
Quantitation Report (QT Reviewed)

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





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

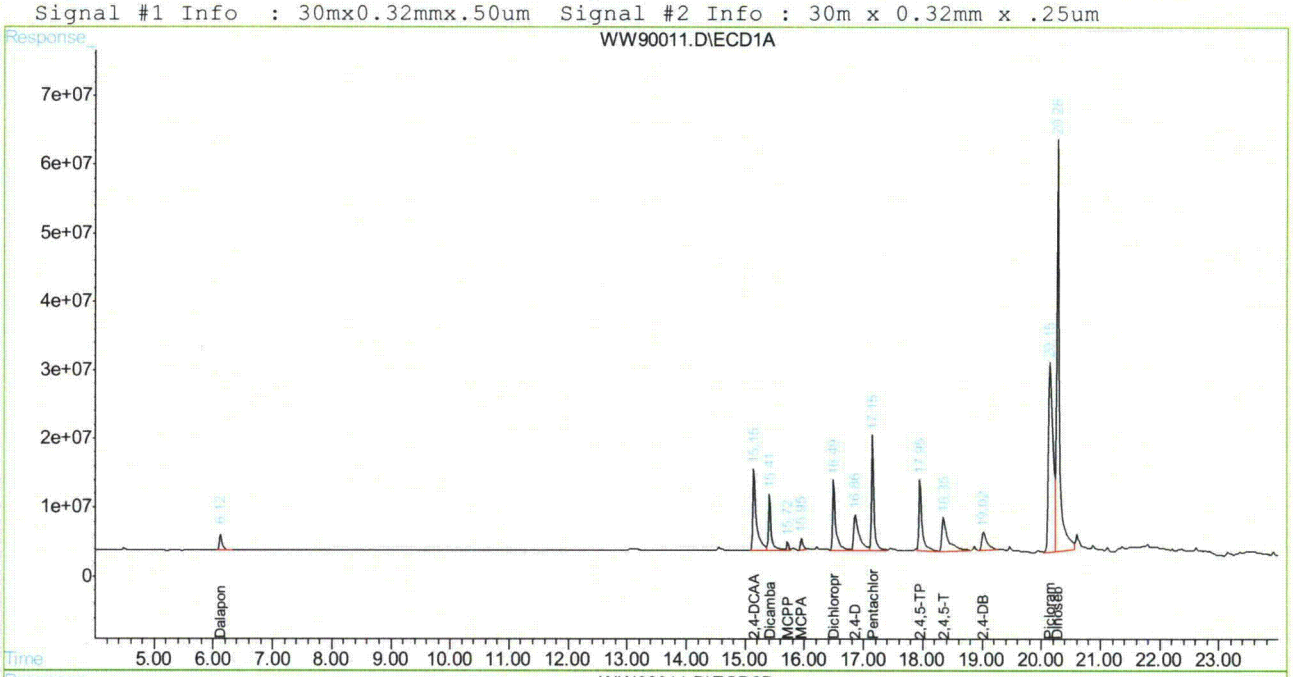
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90011.D HWW3143.M Tue May 04 11:15:21 2010 GCCD

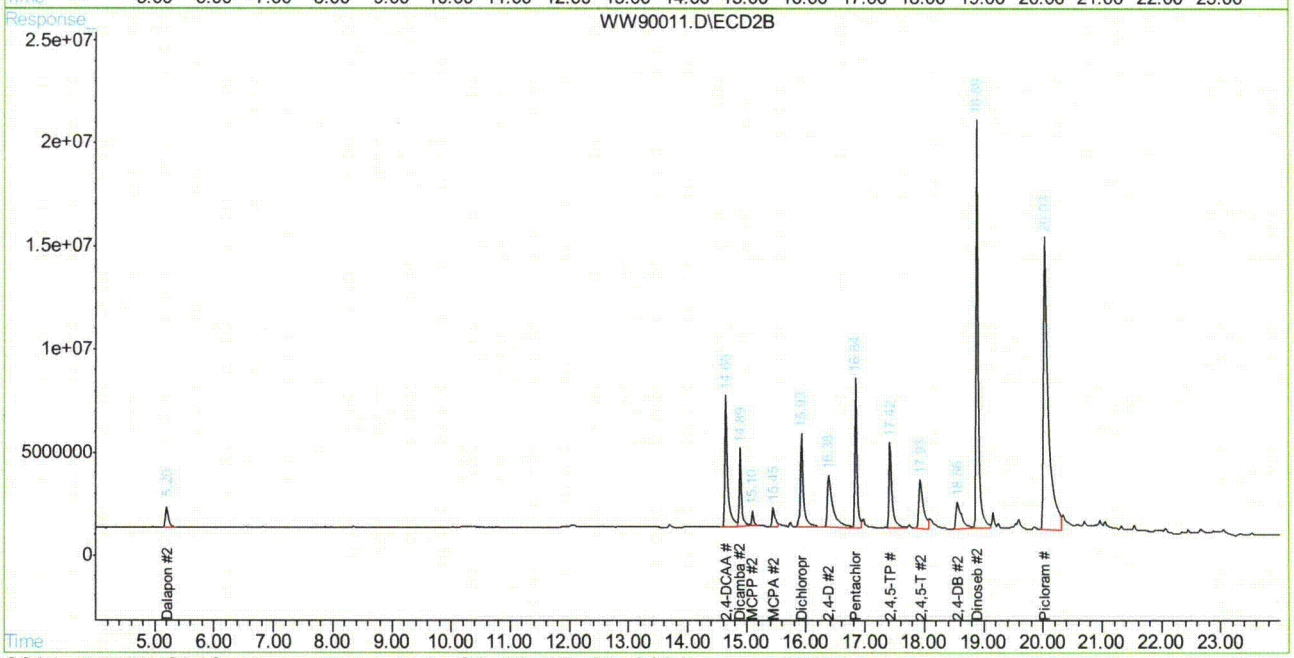
Quantitation Report (QT Reviewed)

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

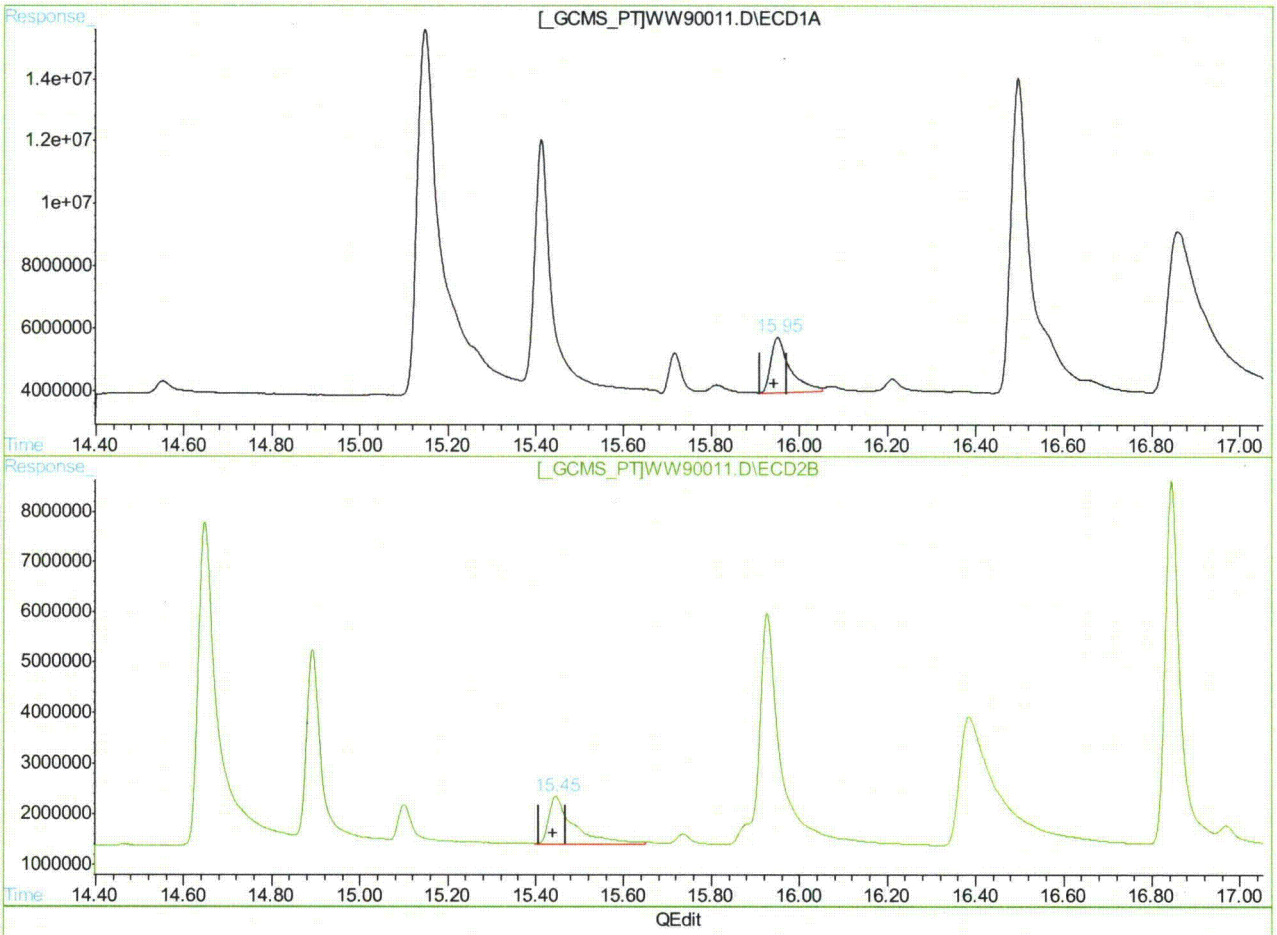
Sample Number:	GWW3143-IC3143	**Method:**	SW846 8151
Lab FileID:	WW90011.D	**Analyst approved:**	05/04/10 11:14 Toya Dagena Raffington
Injection Time:	05/03/10 17:34	**Supervisor approved:**	05/13/10 09:39 Owen McKenna

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

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
```



(5) MCPA

15.95min 5852.552PPB

response 53836668

(5) MCPA #2

15.45min 8264.022PPB

response 36504888

(+) = Expected Retention Time

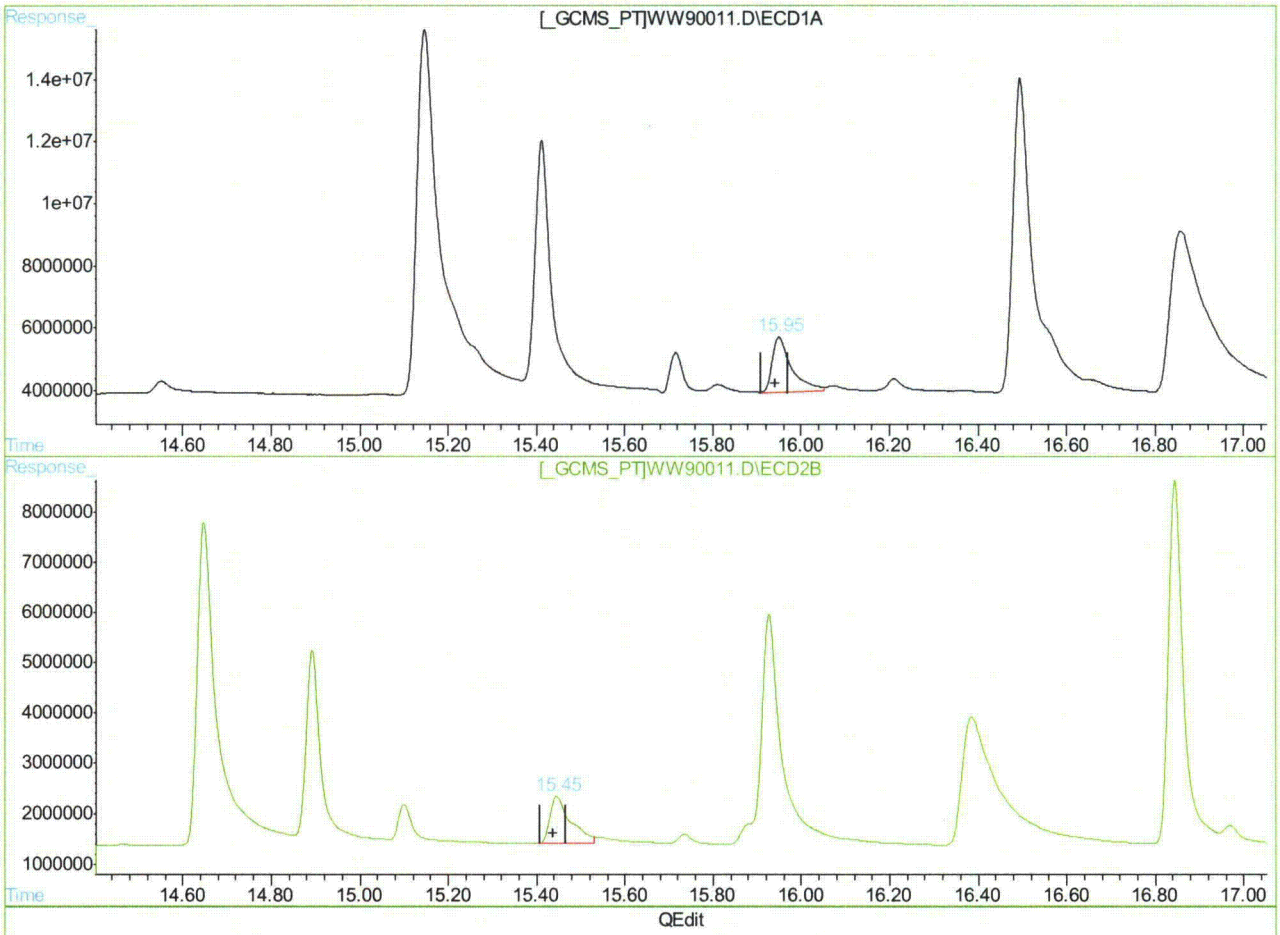
WW90011.D HWW3143.M Tue May 04 09:11:00 2010 GCCD

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
```



(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)	MCPP	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)	Pentachlorophenol	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

10.6.61 10

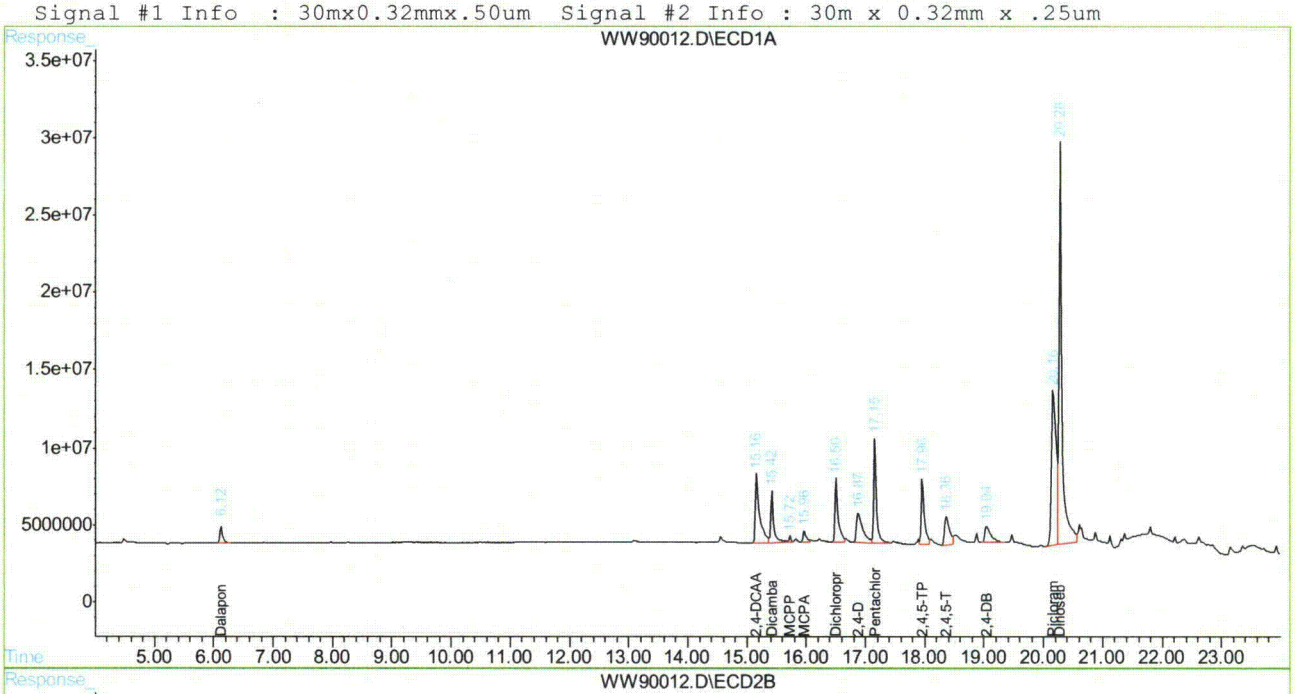
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90012.D HWW3143.M Wed May 05 11:37:28 2010 GCCD

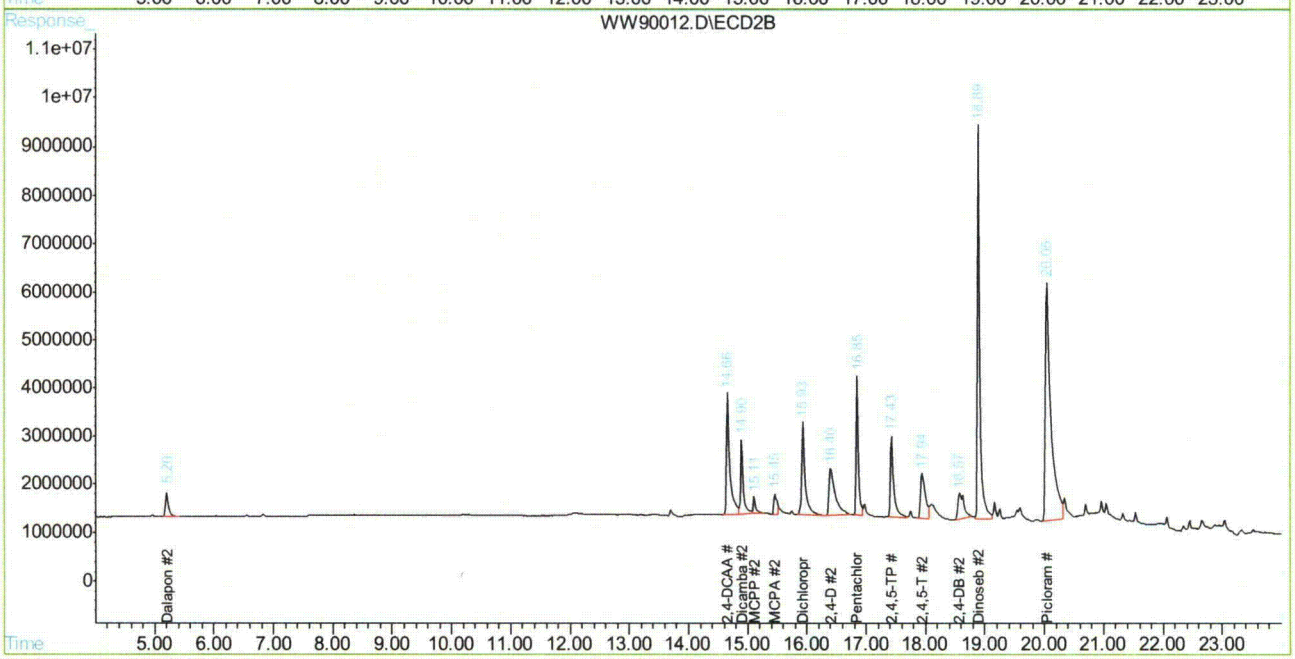
Quantitation Report (QT Reviewed)

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





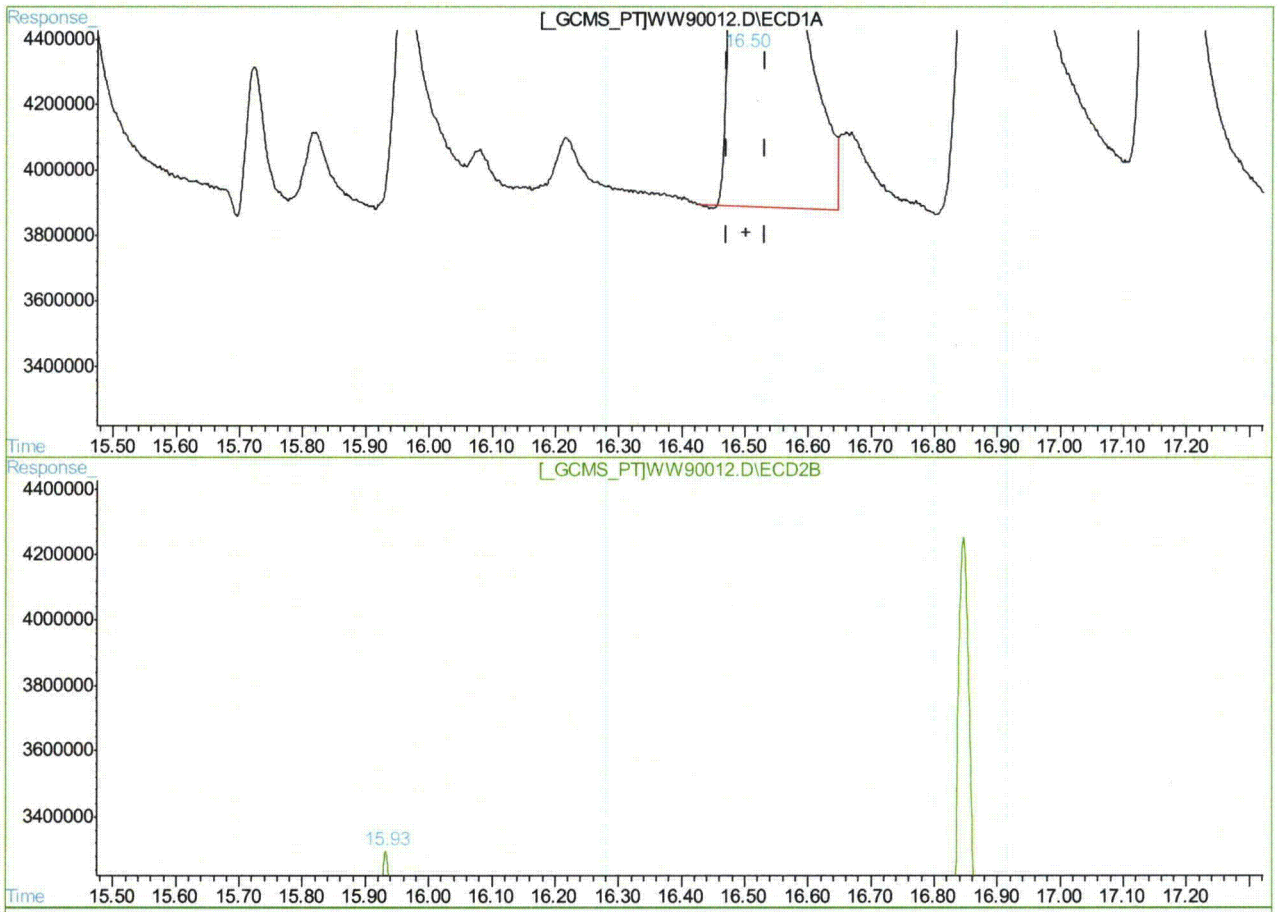
WW90012.D HWW3143.M Wed May 05 11:37:29 2010 GCCD Page 2

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
```



(6) Dichloroprop

16.50min 46.723PPB

response 152602037

(6) Dichloroprop #2

15.93min 58.174PPB

response 75930904

(+) = Expected Retention Time

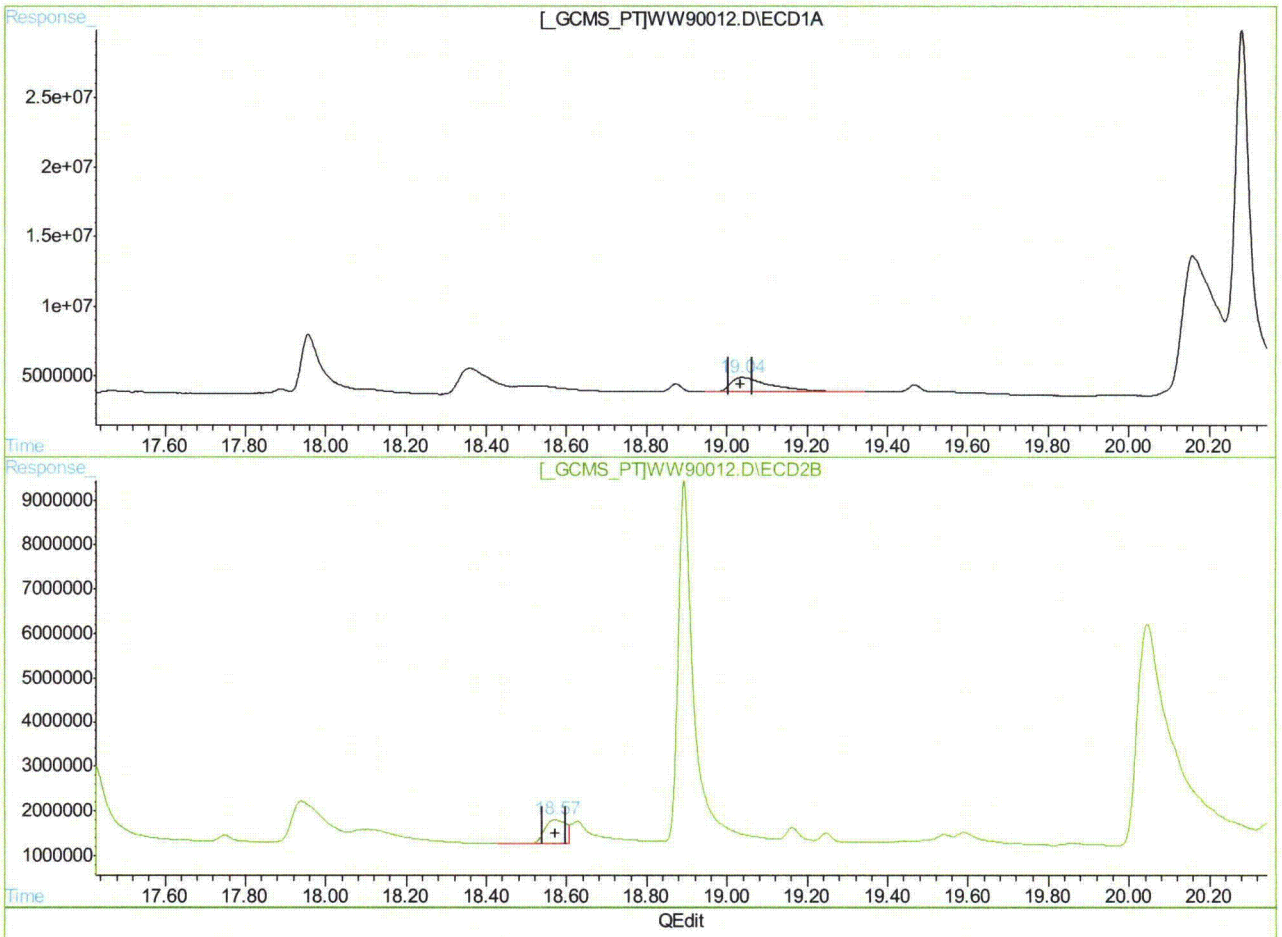
WW90012.D HWW3143.M Tue May 04 09:07:05 2010 GCCD

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
```



(11) 2,4-DB

19.04min 46.789PPB

response 73165520

(11) 2,4-DB #2

18.57min 27.176PPB

response 19965488

(+) = Expected Retention Time

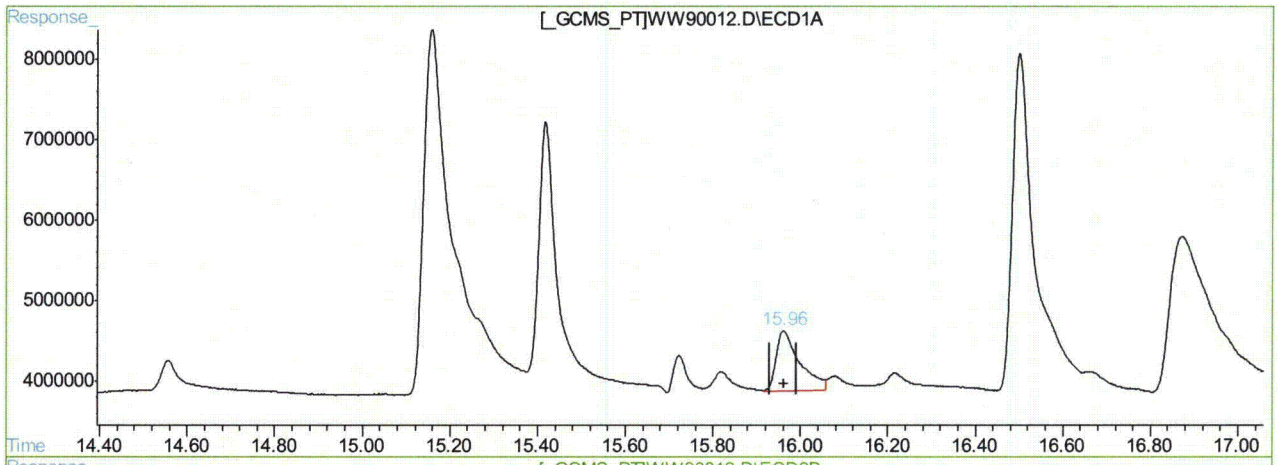
WW90012.D HWW3143.M Tue May 04 09:07:29 2010 GCCD

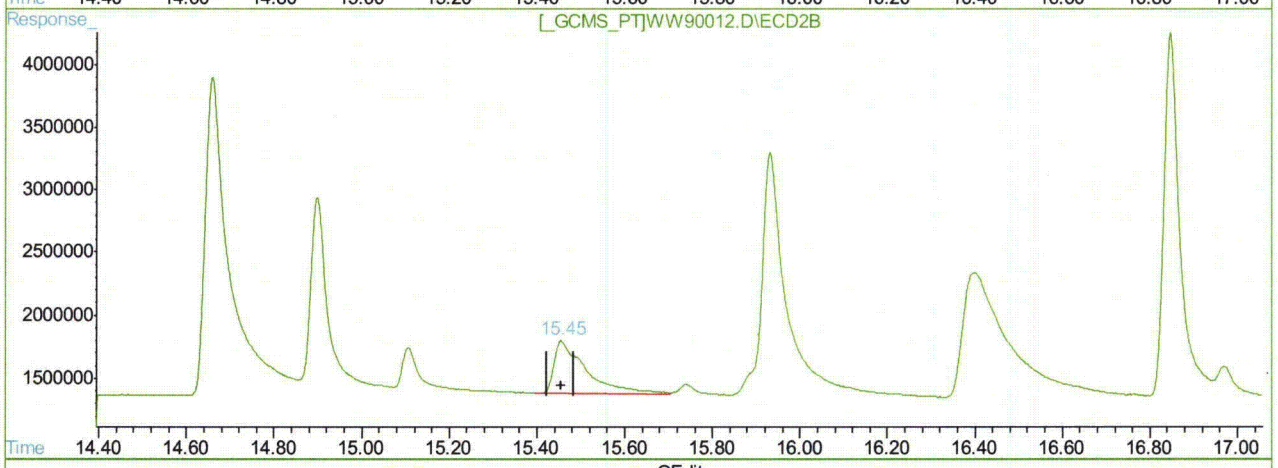
10.6.61.2 10

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

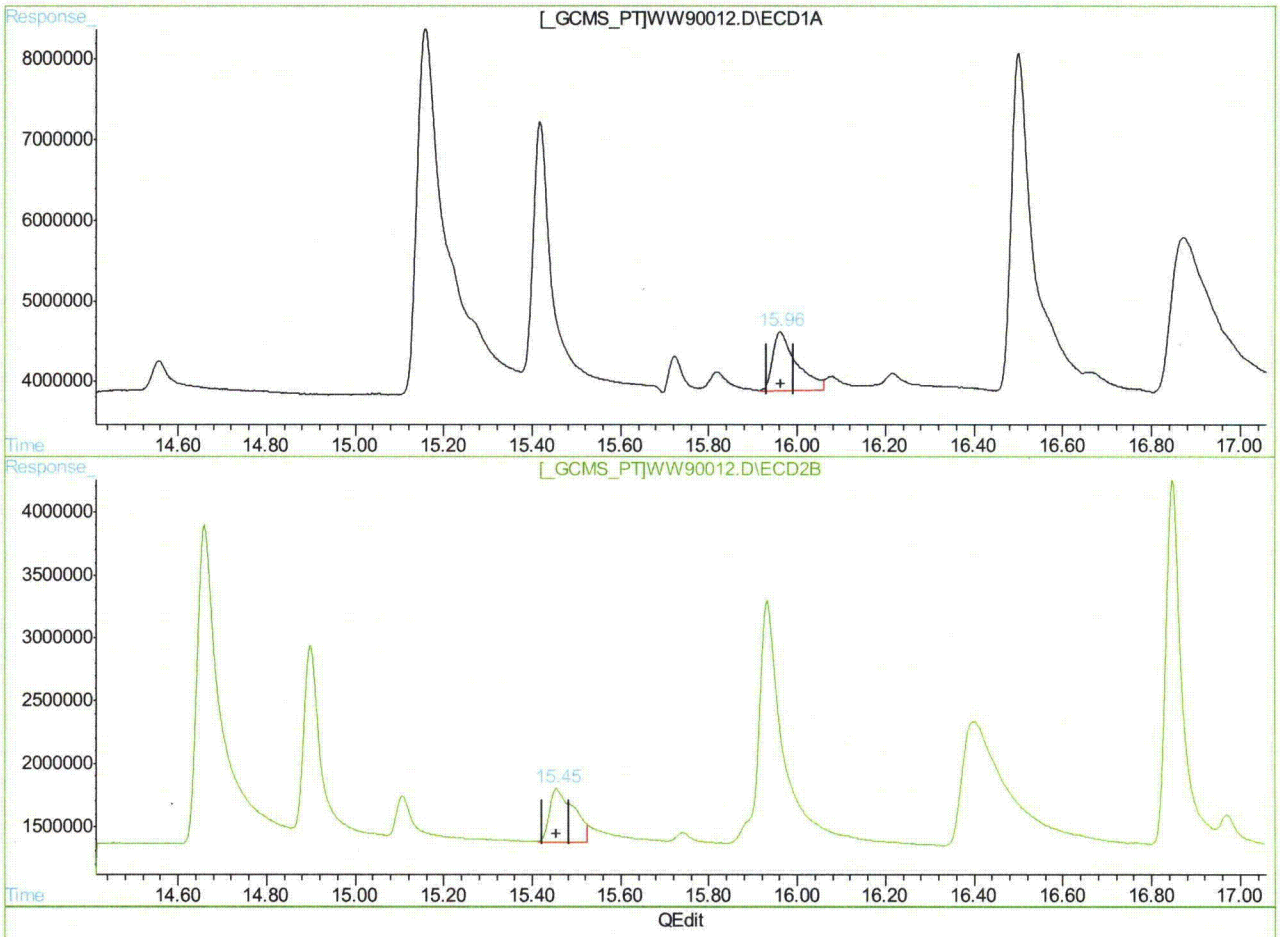
WW90012.D HWW3143.M Tue May 04 09:11:41 2010 GCCD

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

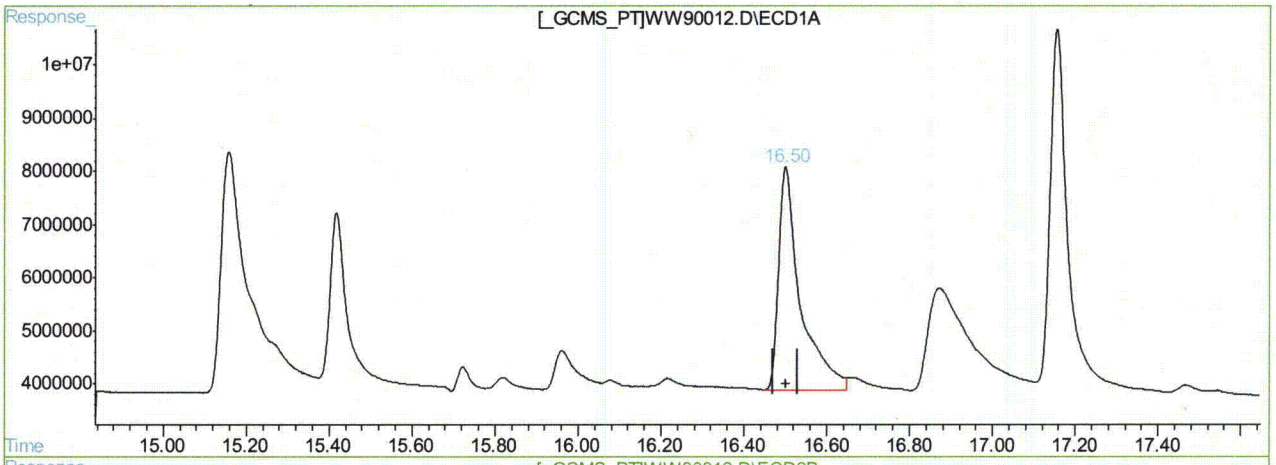
WW90012.D HWW3143.M Tue May 04 11:12:43 2010 GCCD

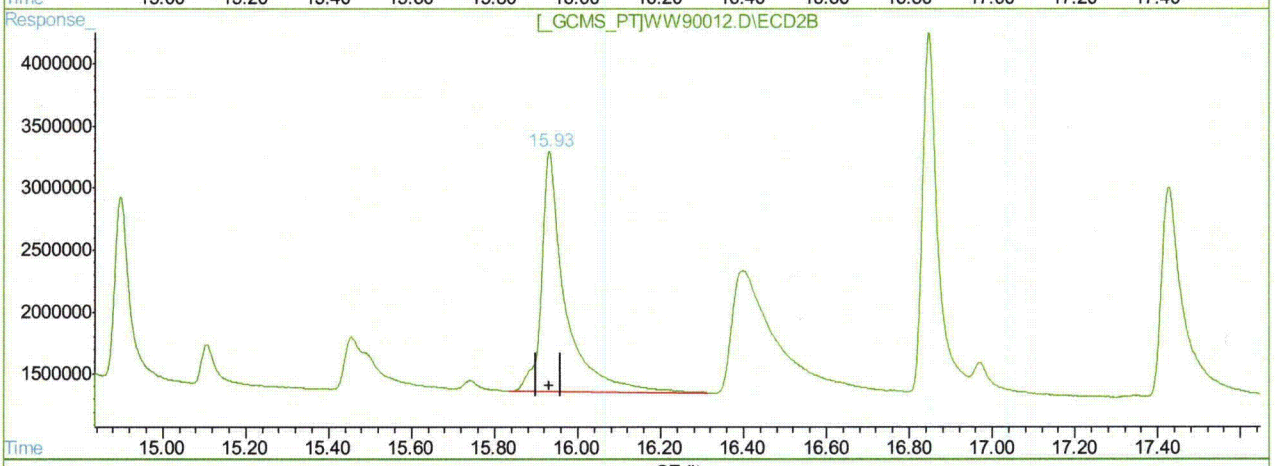
10.6.61.4 10

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

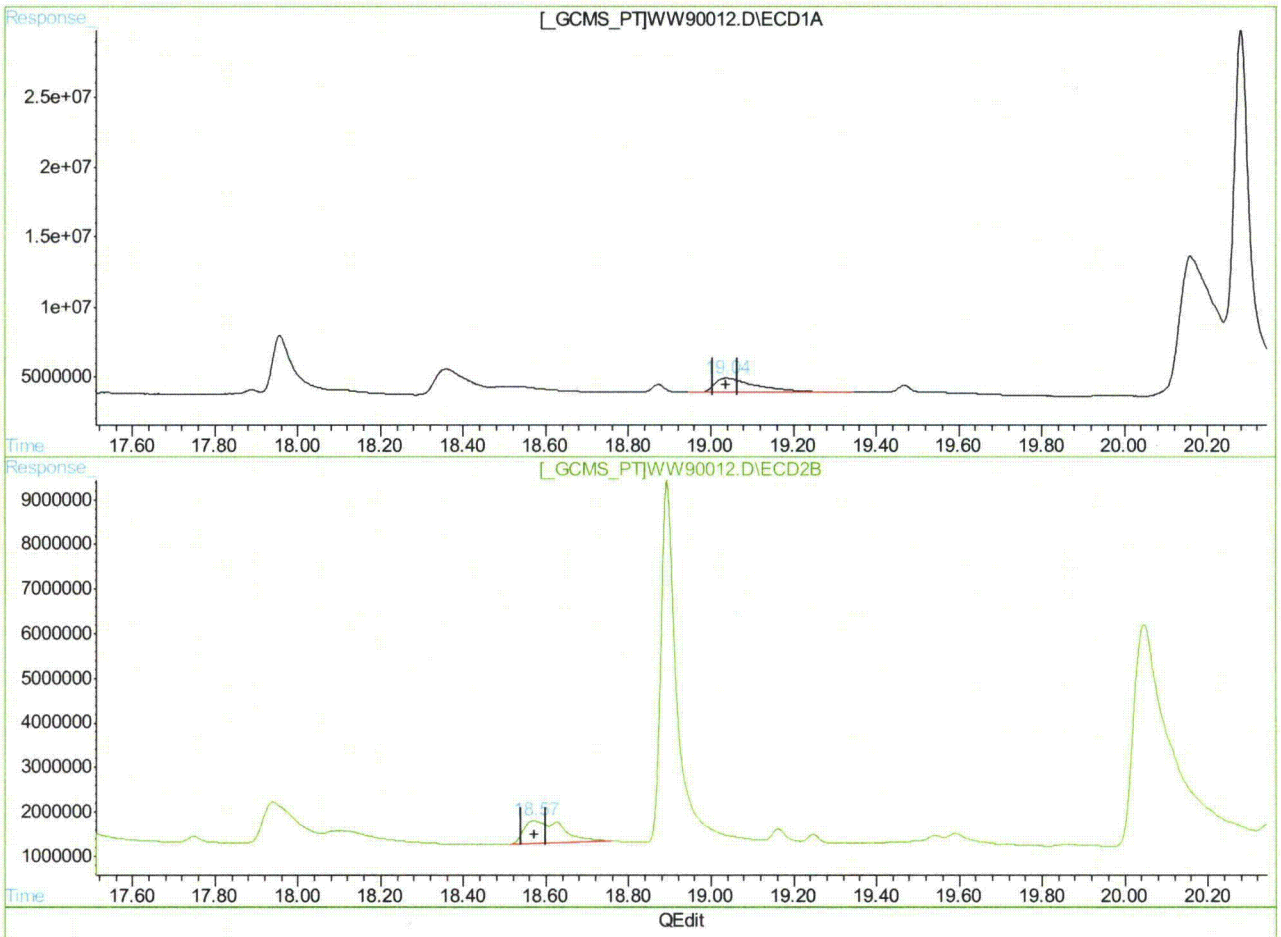
WW90012.D HWW3143.M Tue May 04 11:12:55 2010 GCCD

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
```



(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)	MCPP	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

10.6.62 10

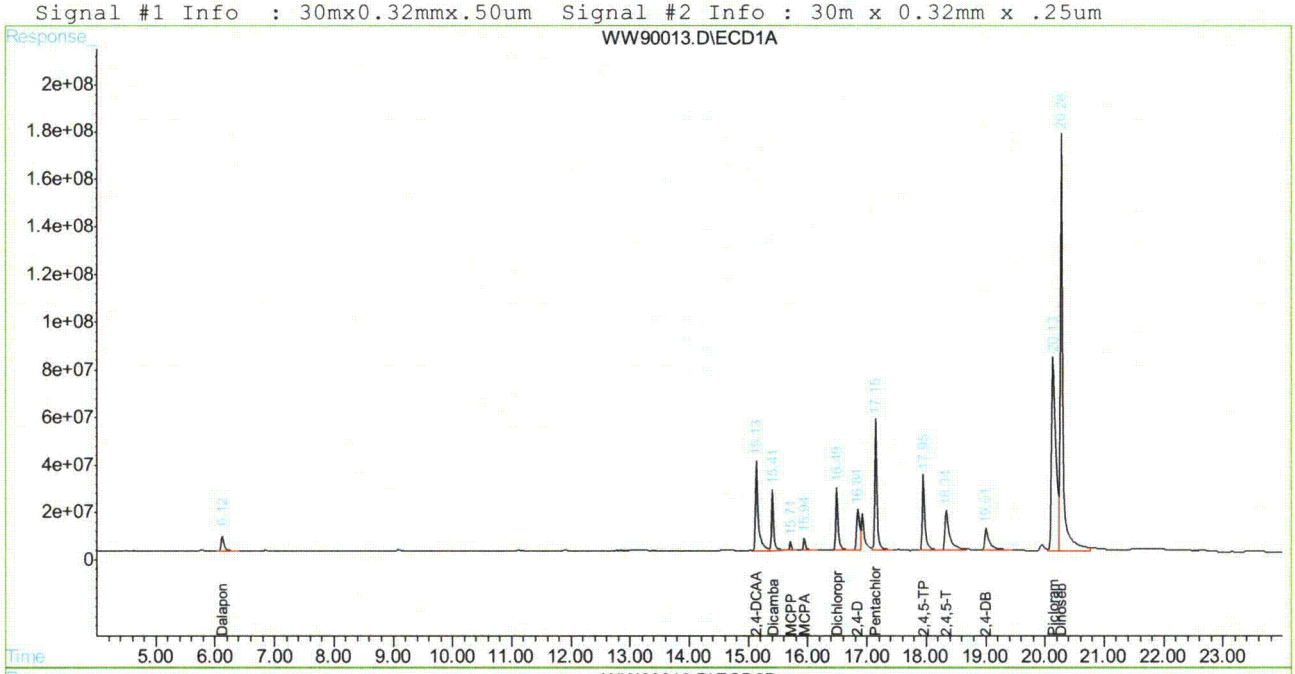
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90013.D HWW3143.M Tue May 04 11:15:35 2010 GCCD

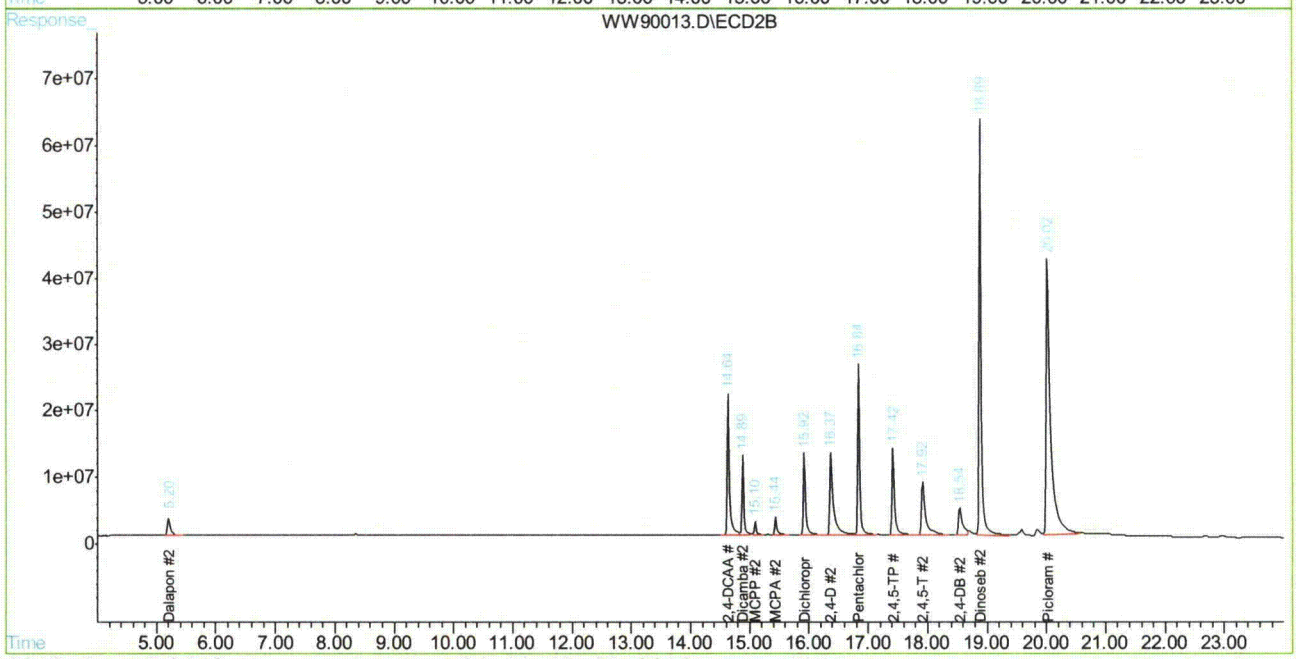
Quantitation Report (QT Reviewed)

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

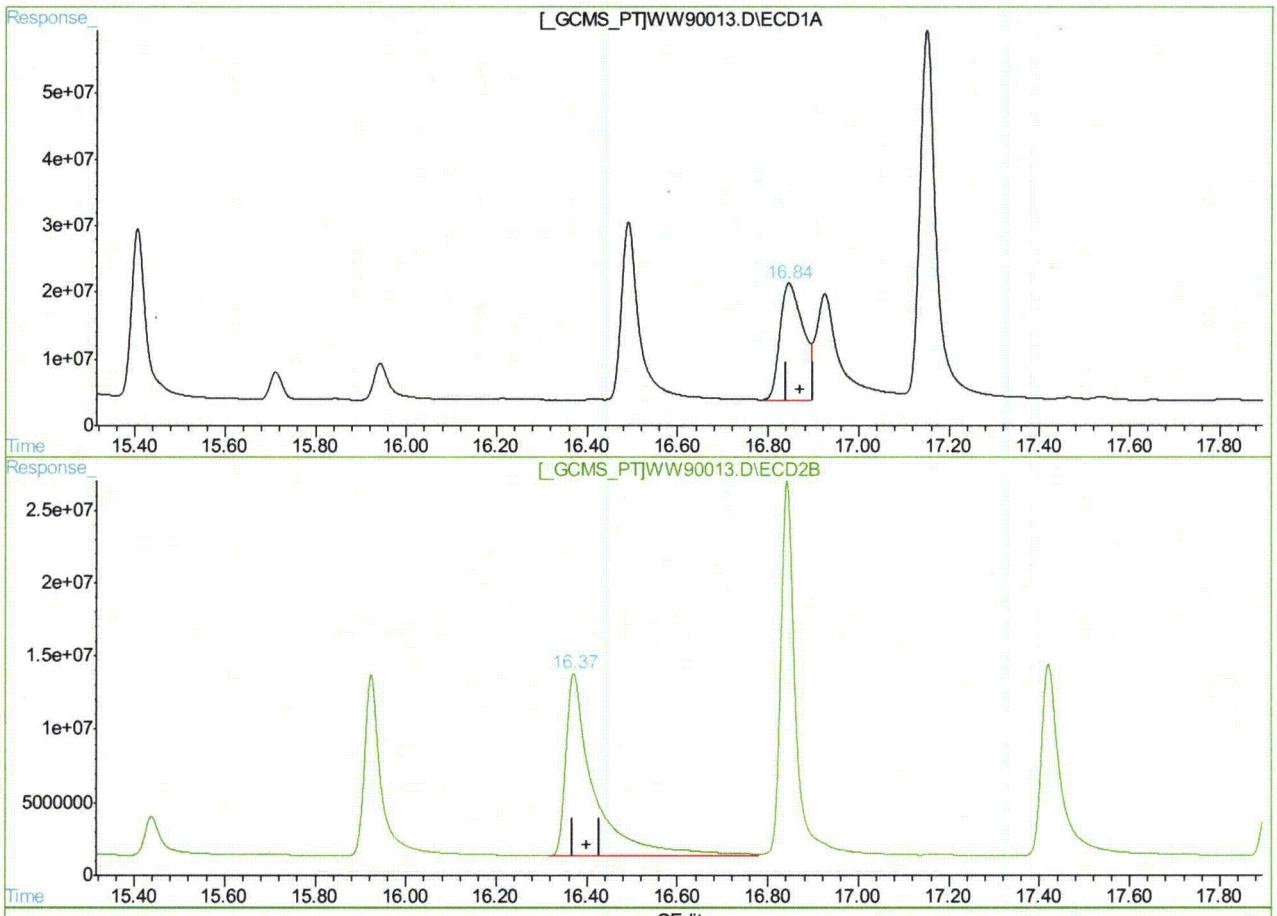




Quantitation Report (Qedit)

```
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						
7)	2,4-D	16.88	16.40	922.5E6	427.7E6	296.233	302.621

10.6.63 10

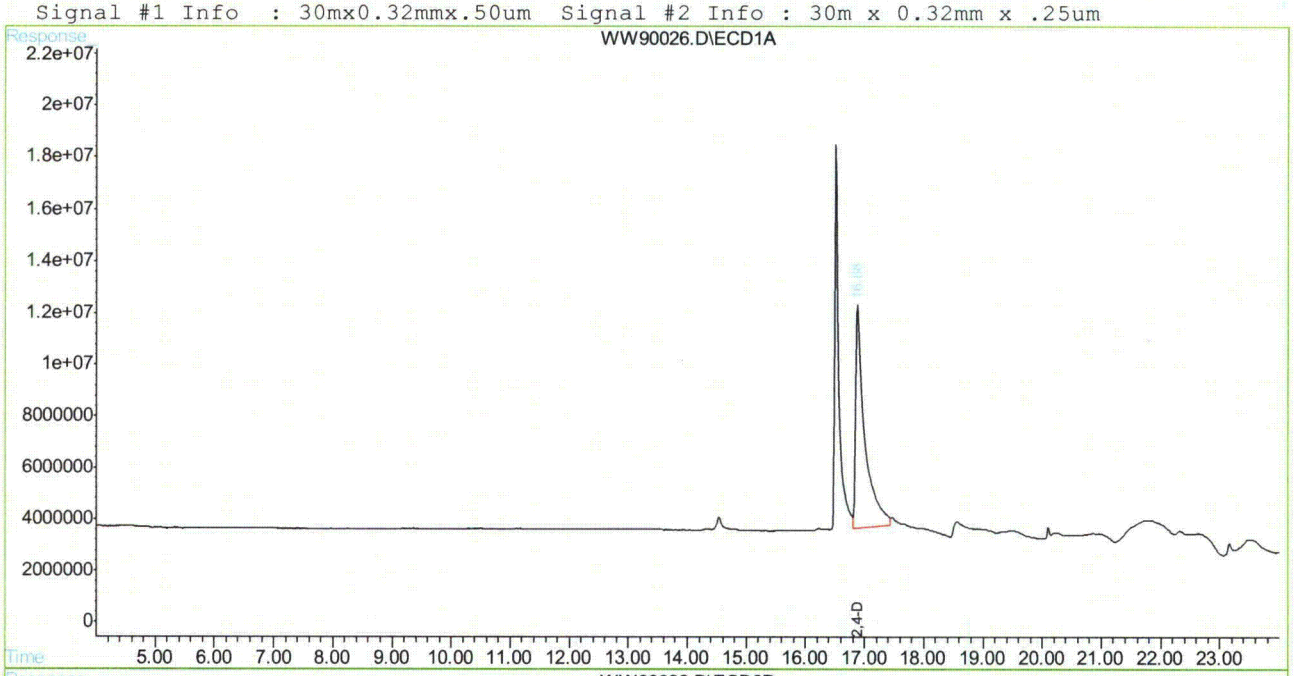
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90026.D HWW3143.M Tue May 04 17:35:54 2010 GCCD

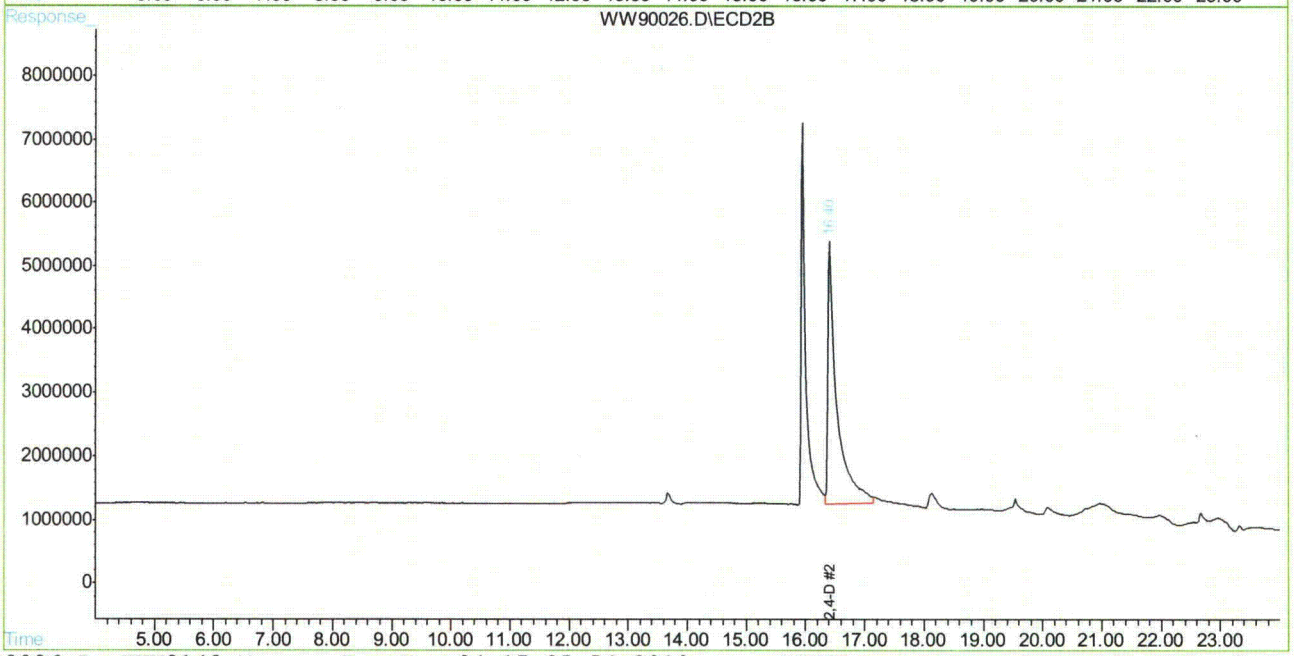
Quantitation Report (QT Reviewed)

```
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						
6)	Dichloroprop	16.53	15.97	842.0E6	349.6E6	260.088	260.714

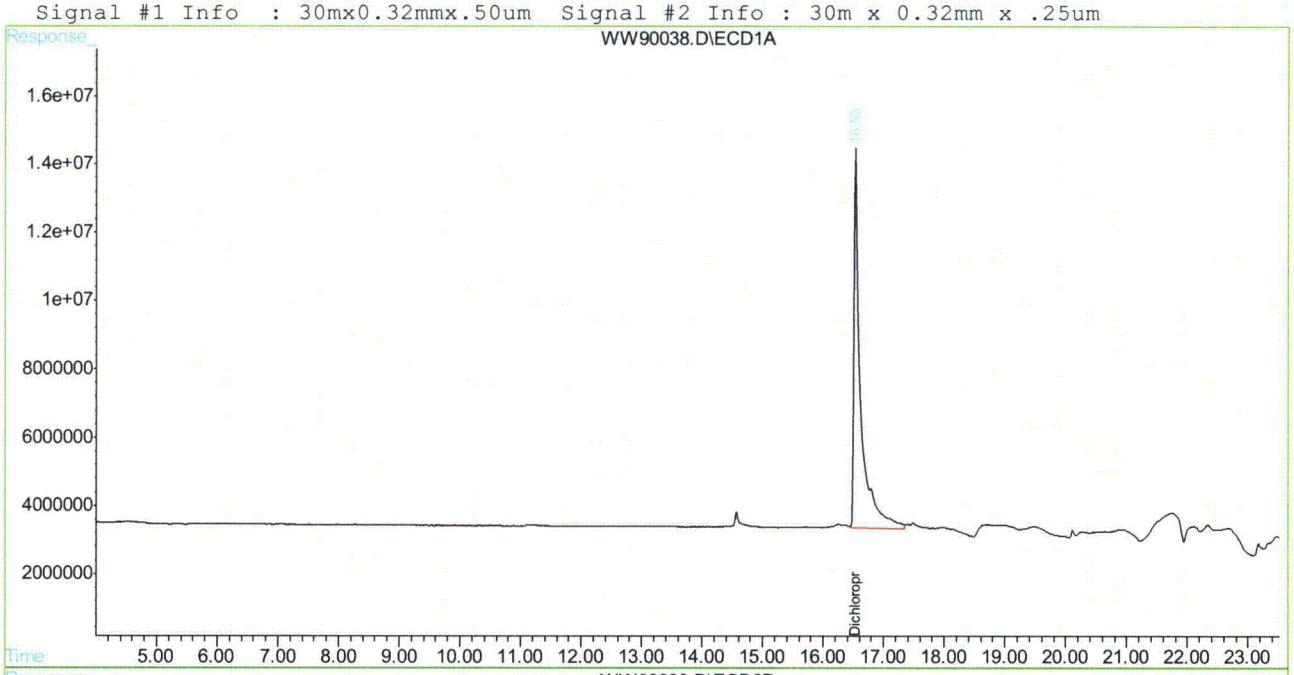
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW90038.D HWW3143.M Tue May 04 18:05:42 2010 GCCD

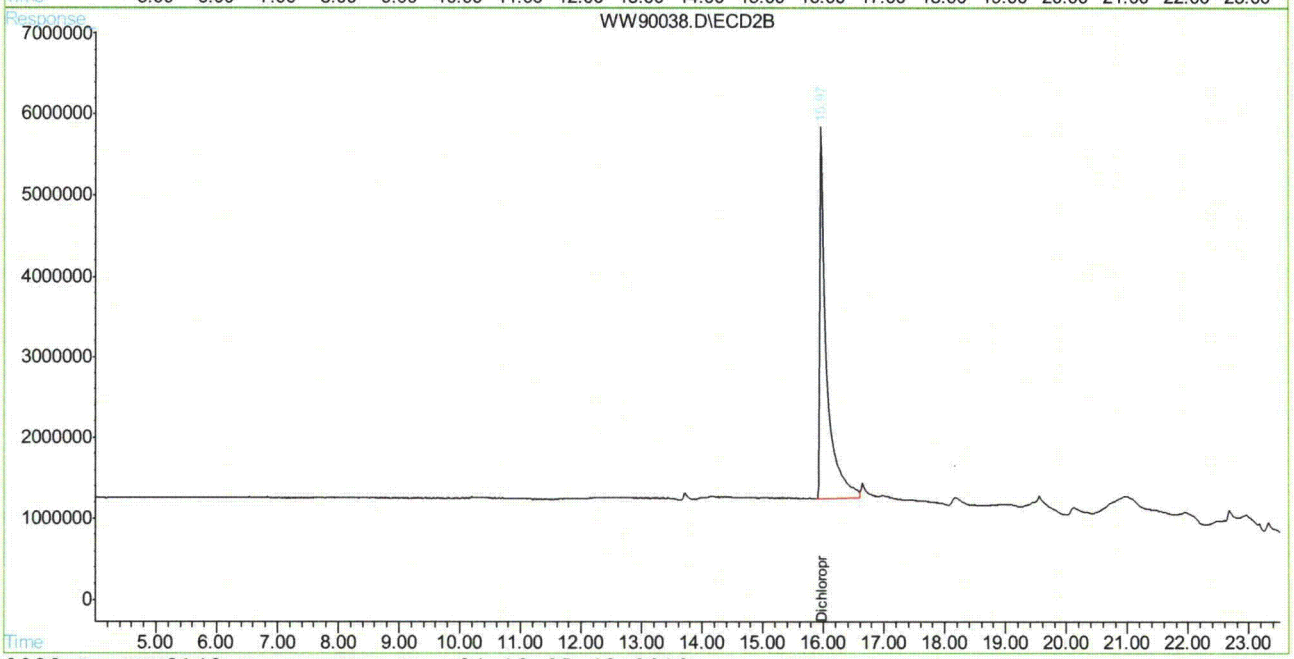
Quantitation Report (QT Reviewed)

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

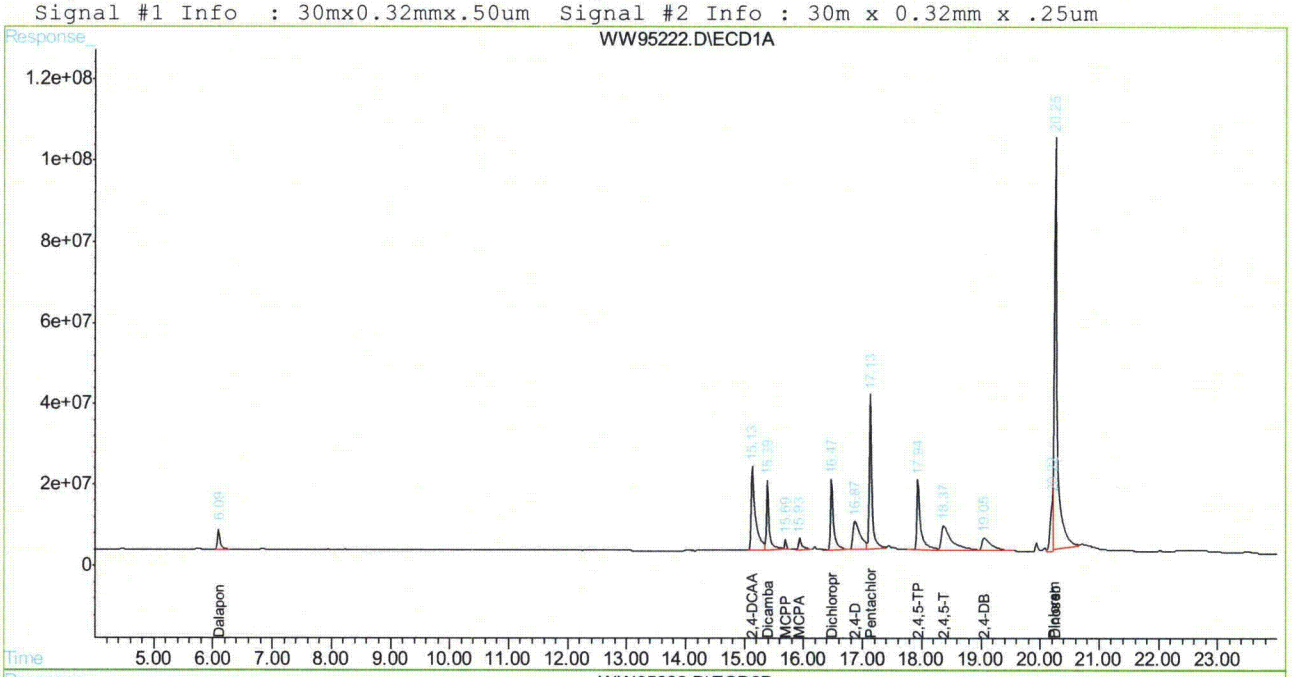
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95222.D HWW3143.M Tue Oct 19 11:51:10 2010 GCCD

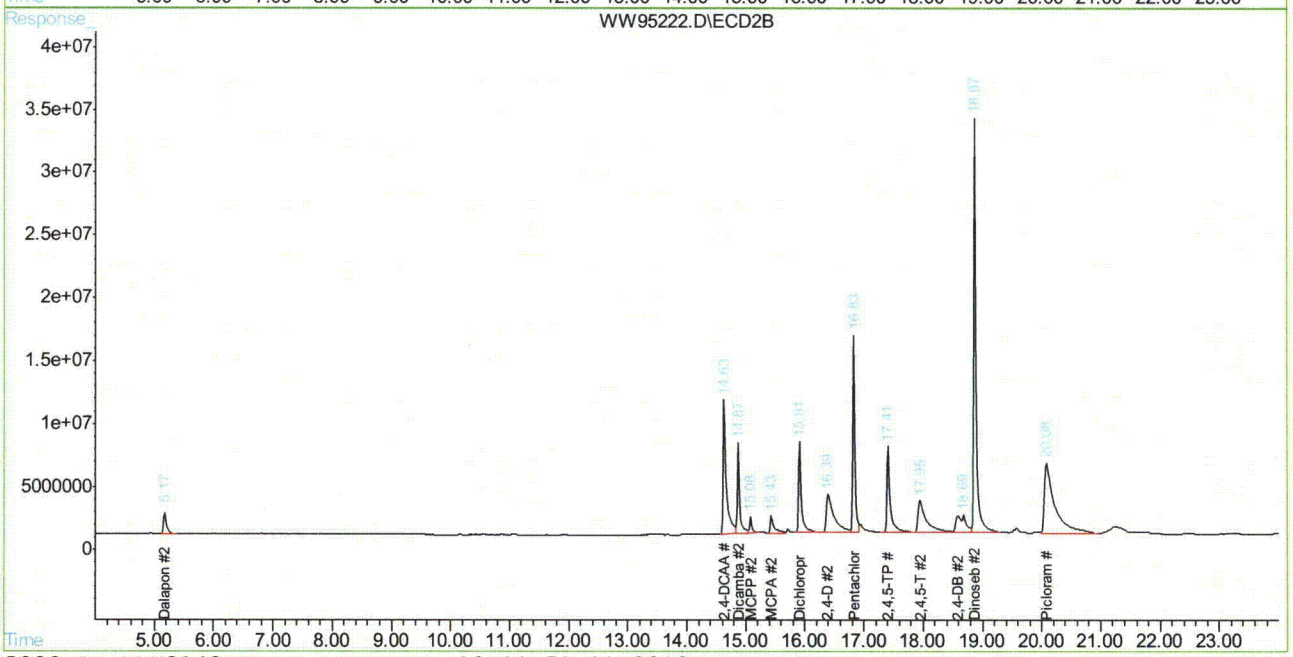
Quantitation Report (QT Reviewed)

```
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
```





Manual Integration Approval Summary

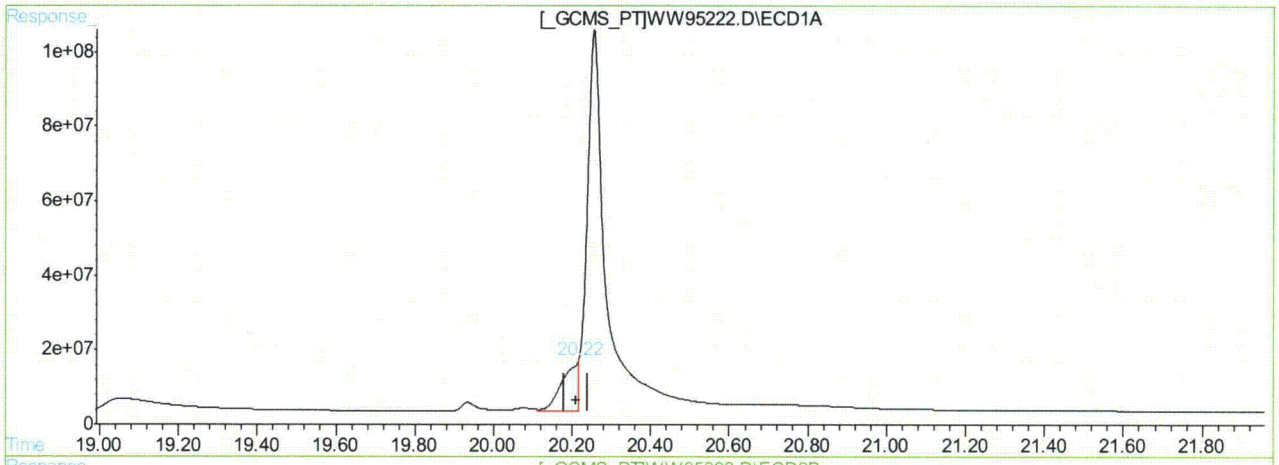
Sample Number:	GWW3331-CC3143	**Method:**	SW846 8151
Lab FileID:	WW95222.D	**Analyst approved:**	10/20/10 10:00 Toya Dagena Raffington
Injection Time:	10/19/10 10:35	**Supervisor approved:**	10/20/10 15:54 Cheng-Hwan Ao

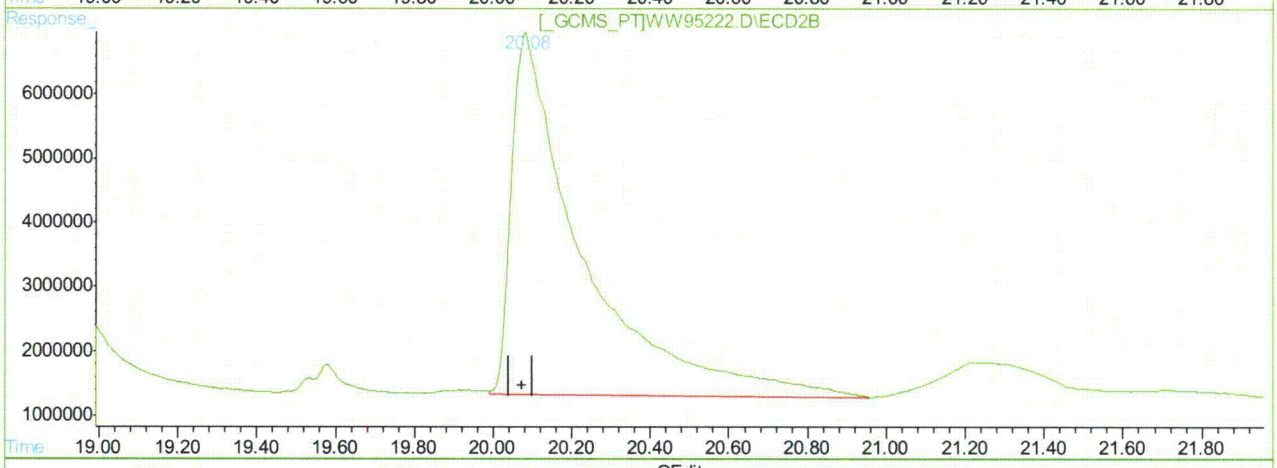
Parameter	CAS	Sig#	R.T. (min.)	Reason
Picloram	1918-02-1	1	20.22	Overlapping peak
Dinoseb	88-85-7	1	20.25	Overlapping peak

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

(13) Picloram

20.22min 22.287PPB m

response 366452674

(13) Picloram #2

20.08min 85.523PPB

response 705656912

(+) = Expected Retention Time

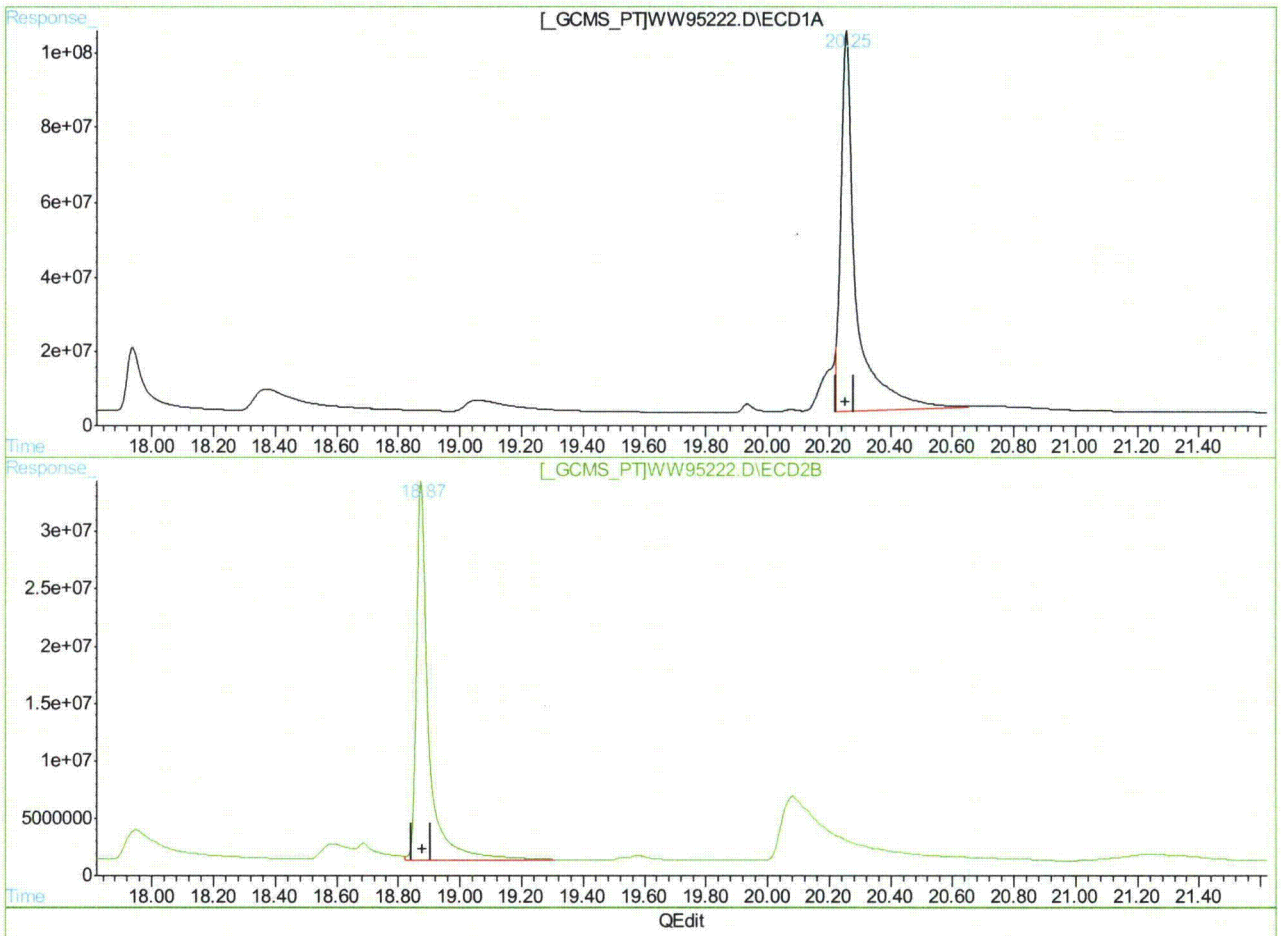
WW95222.D HWW3143.M Tue Oct 19 11:50:40 2010 GCCD

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
```



(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

ACCUTEST LABORATORIES

JA58750

WW95222.D edits: Dinoseb

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 #

10.6.66 10

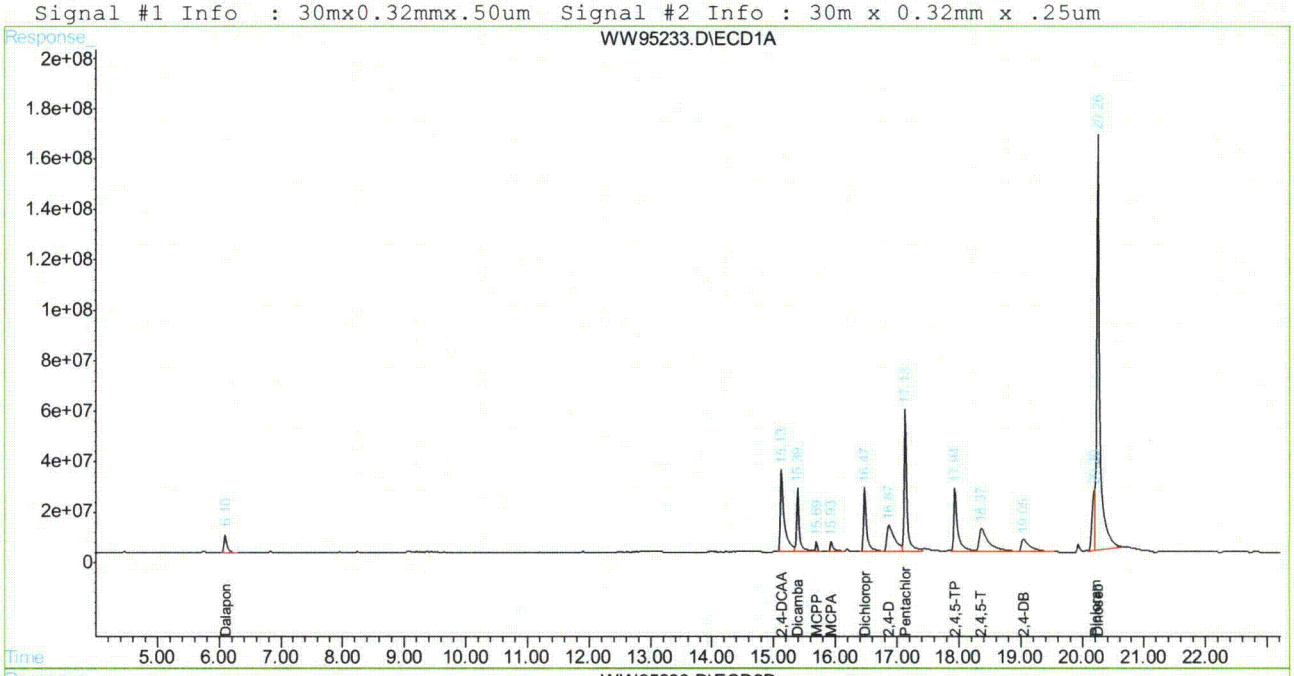
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95233.D HWW3143.M Wed Oct 20 08:40:16 2010 GCCD

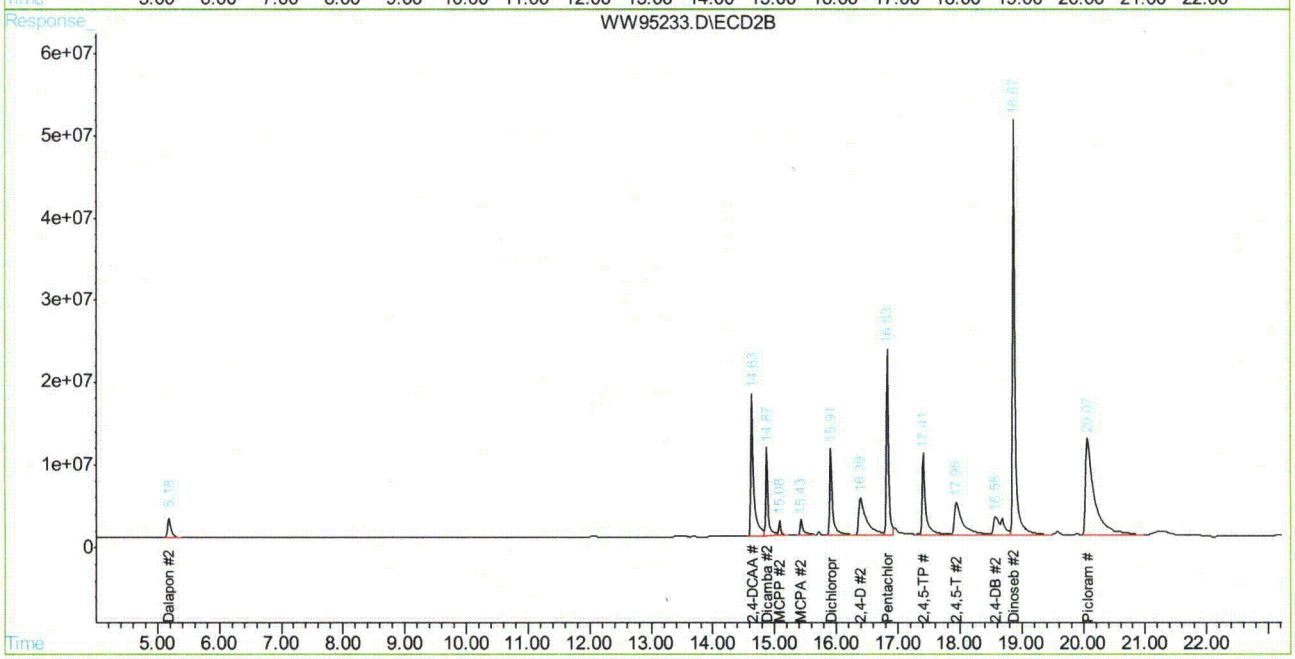
Quantitation Report (QT Reviewed)

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





WW95233.D HWW3143.M Wed Oct 20 08:40:16 2010 GCCD Page 2

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)	Pentachlorophenol	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

10.6.67 10

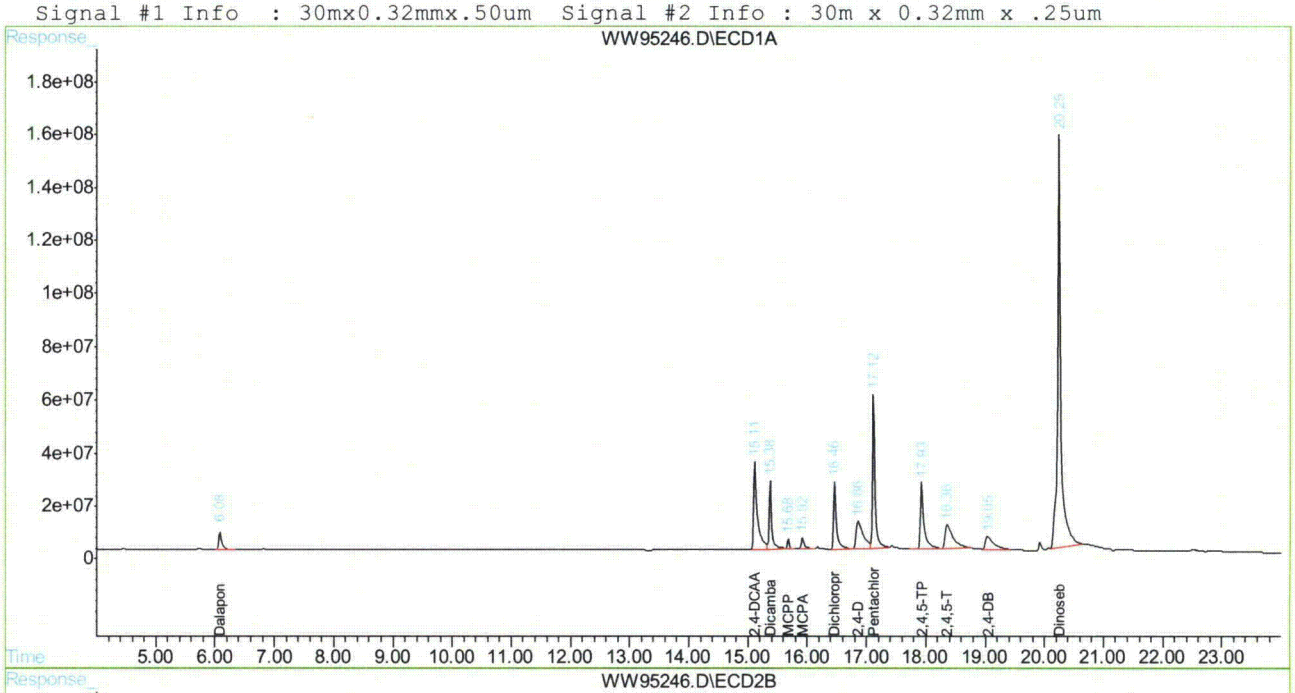
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95246.D HWW3143.M Wed Oct 20 09:43:35 2010 GCCD

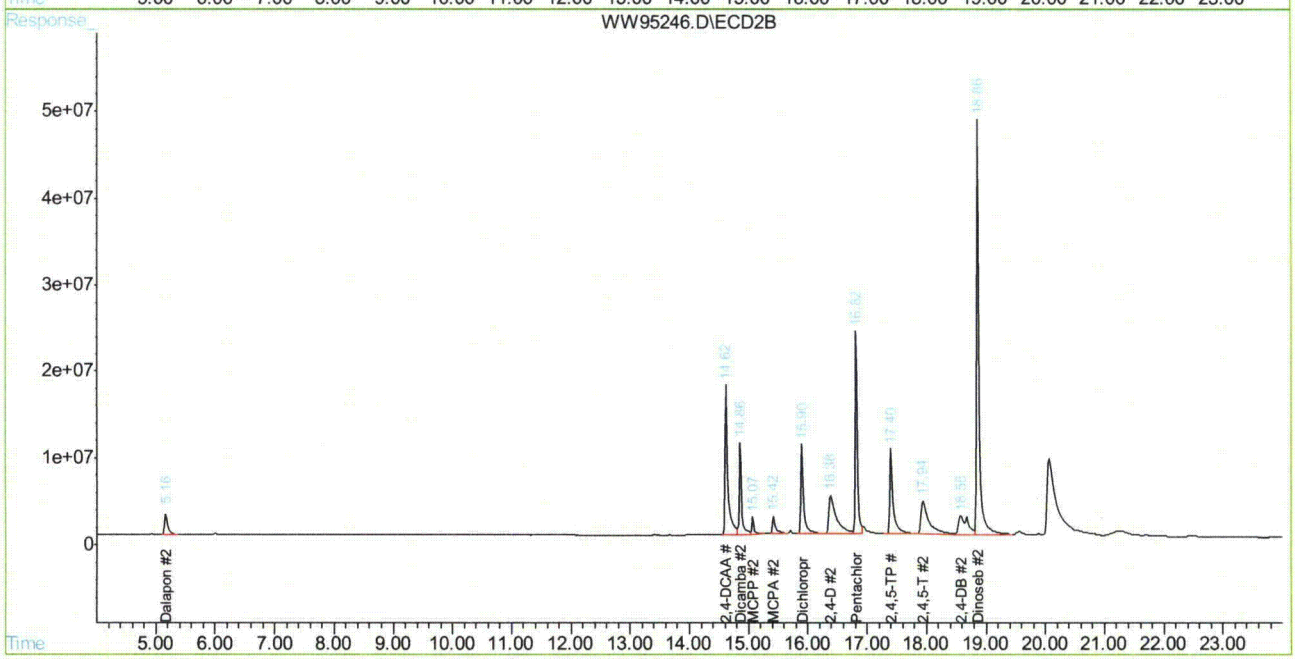
Quantitation Report (QT Reviewed)

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





Manual Integration Approval Summary

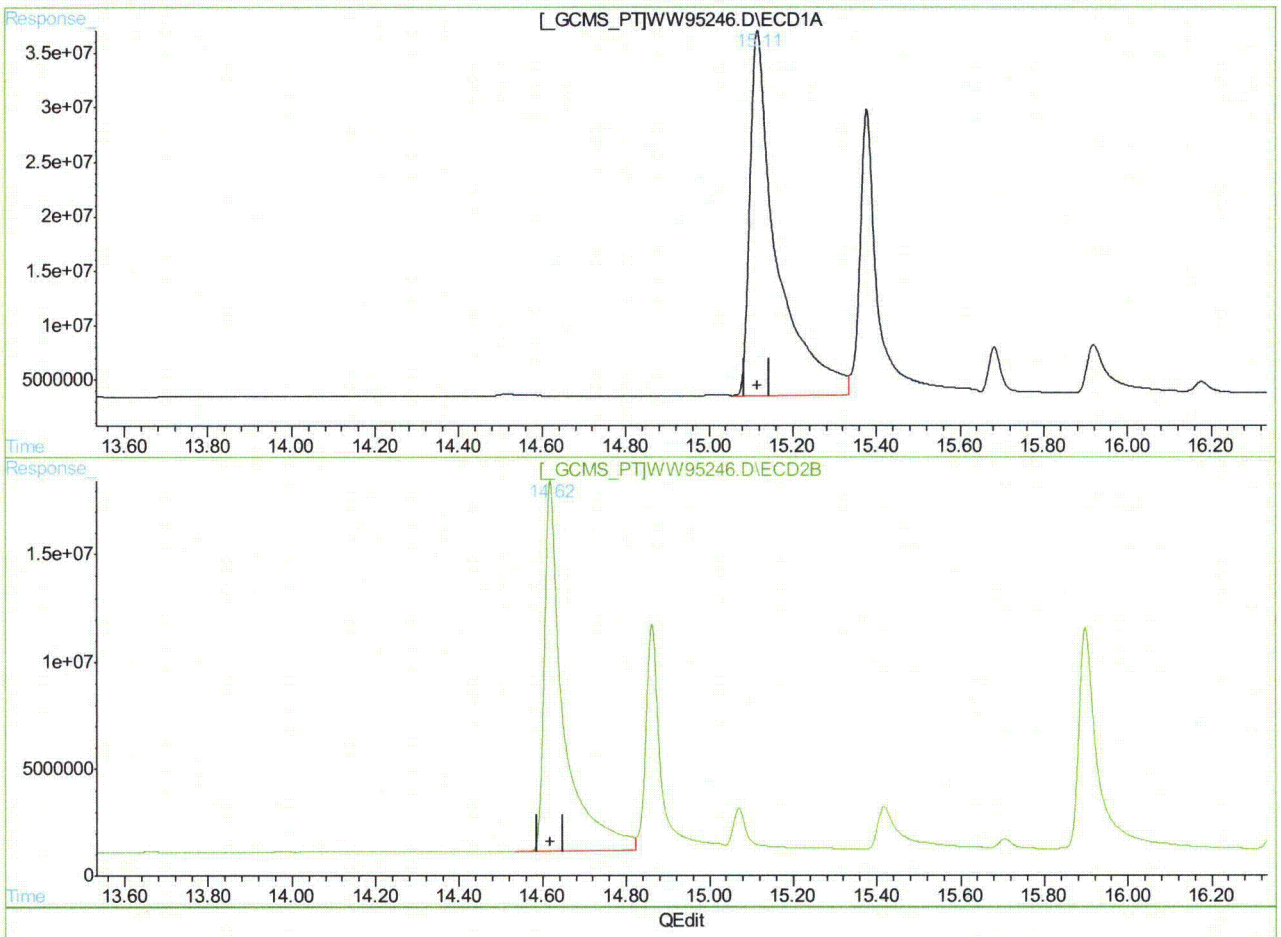
Sample Number: GWW3332-CC3143 **Method:** SW846 8151
Lab FileID: WW95246.D **Analyst approved:** 10/20/10 14:25 Toya Dagena Raffington
Injection Time: 10/20/10 09:09 **Supervisor approved:** 11/01/10 11:33 Owen McKenna

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

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

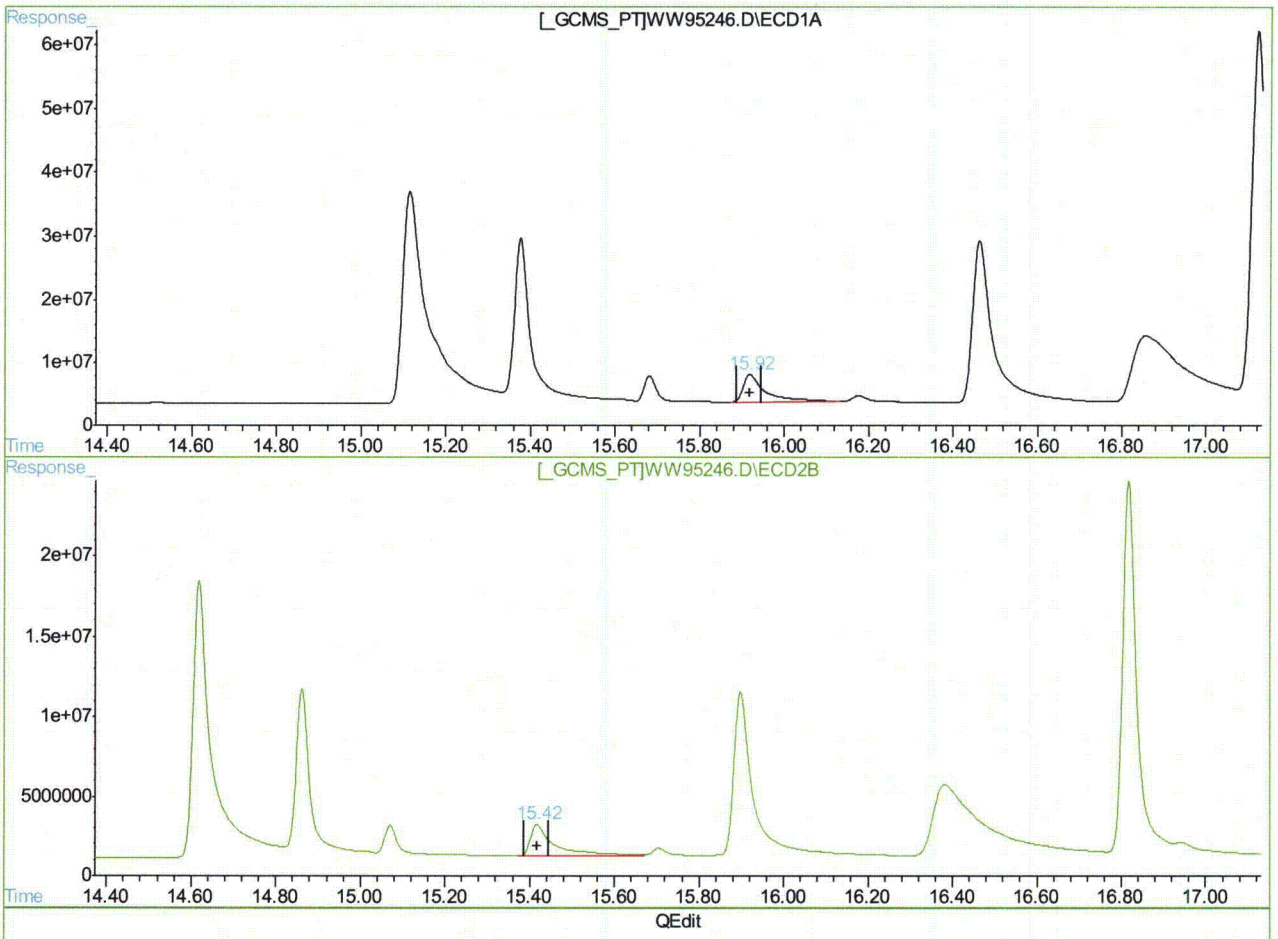
WW95246.D HWW3143.M Wed Oct 20 09:39:28 2010 GCCD

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
```



(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

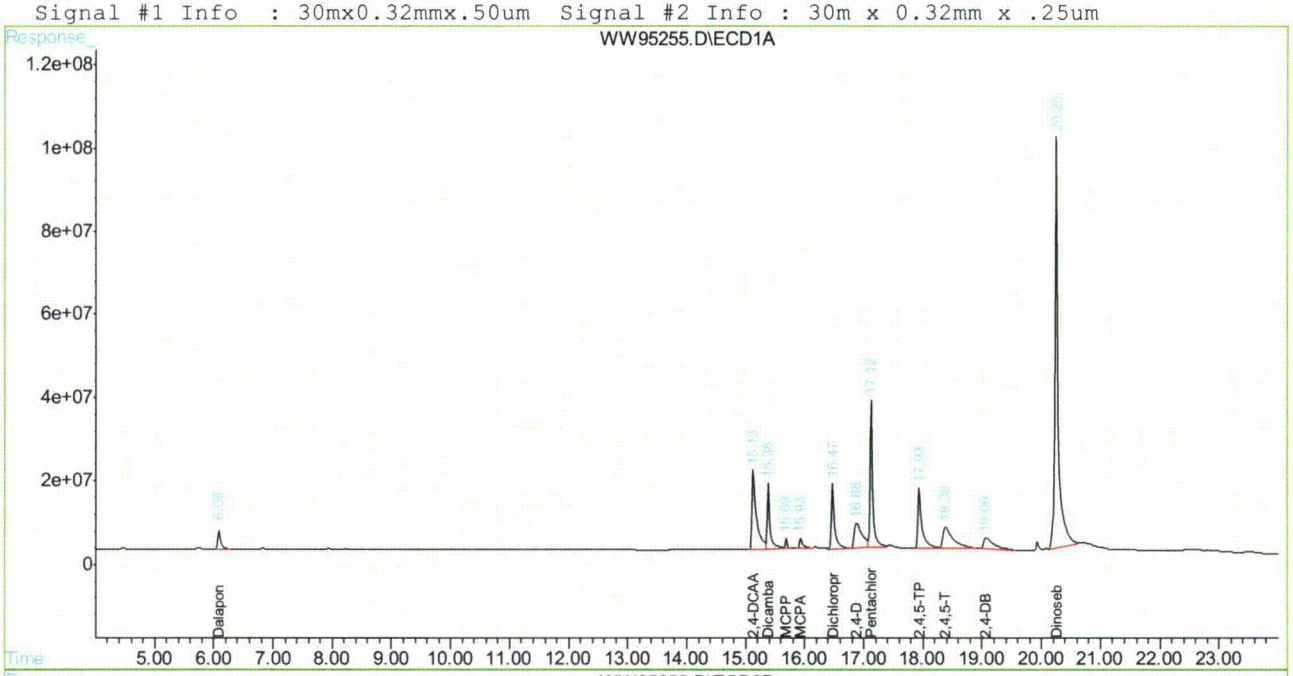
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95255.D HWW3143.M Wed Oct 20 14:22:36 2010 GCCD

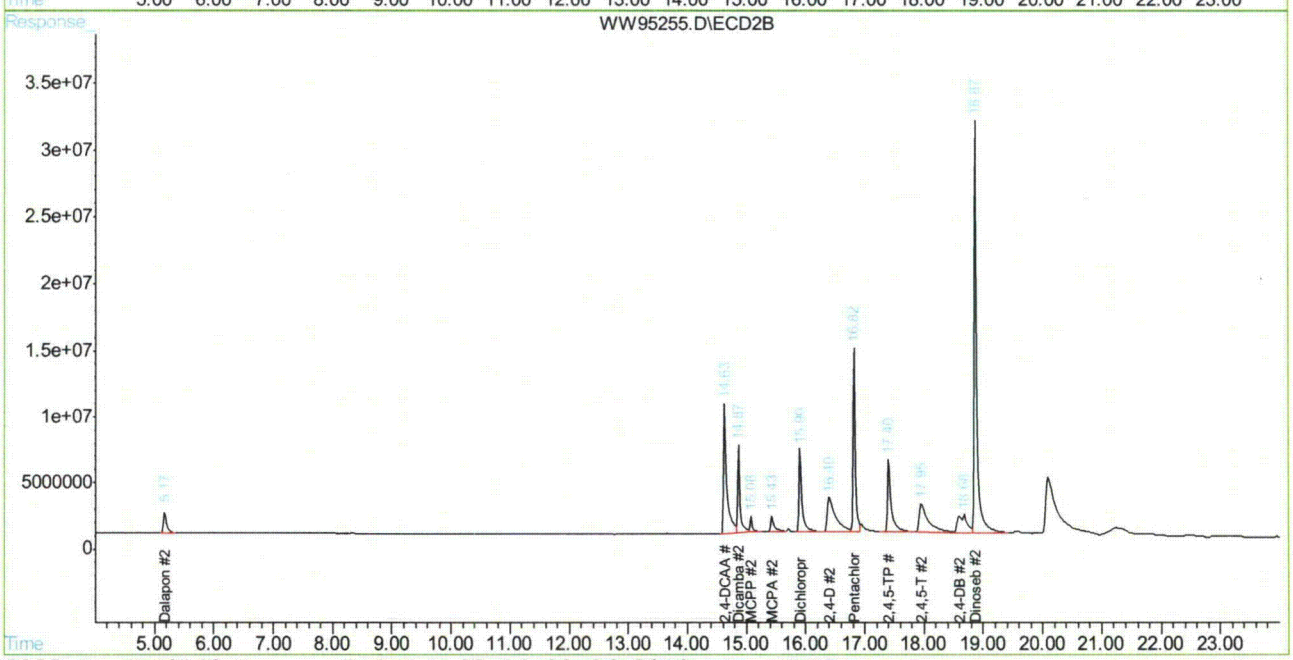
Quantitation Report (QT Reviewed)

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

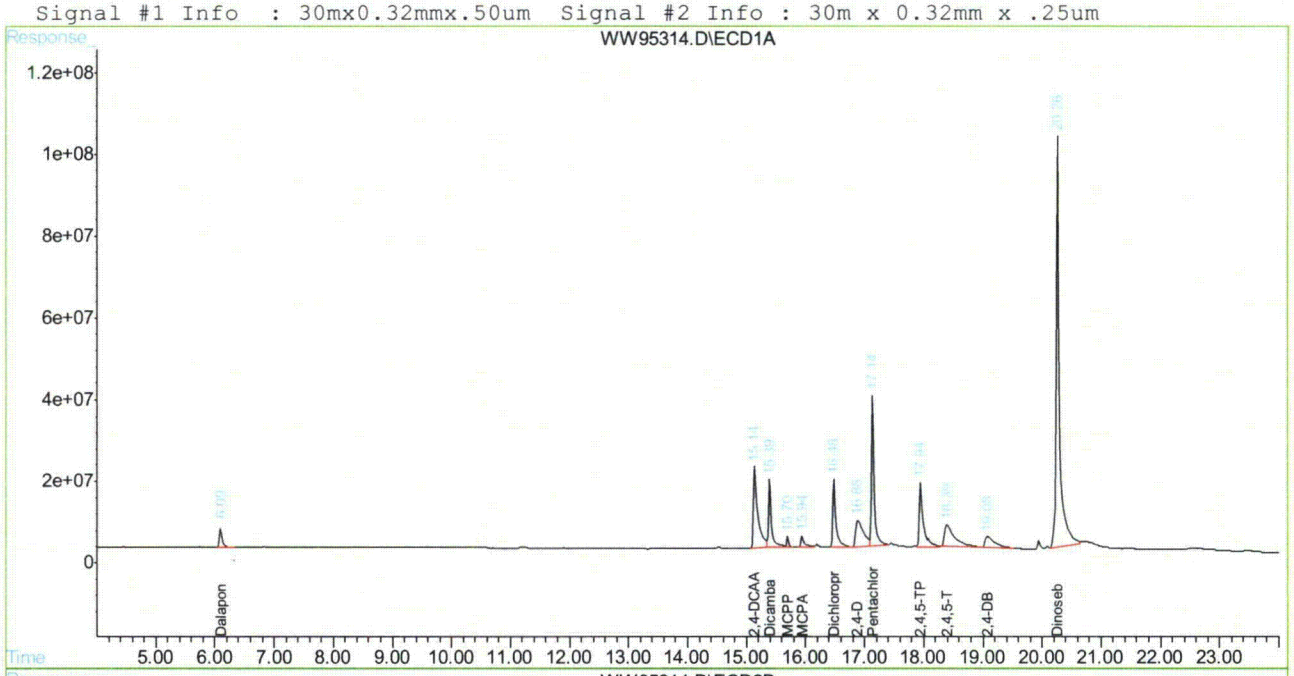
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95314.D HWW3143.M Thu Oct 21 16:44:24 2010 GCCD

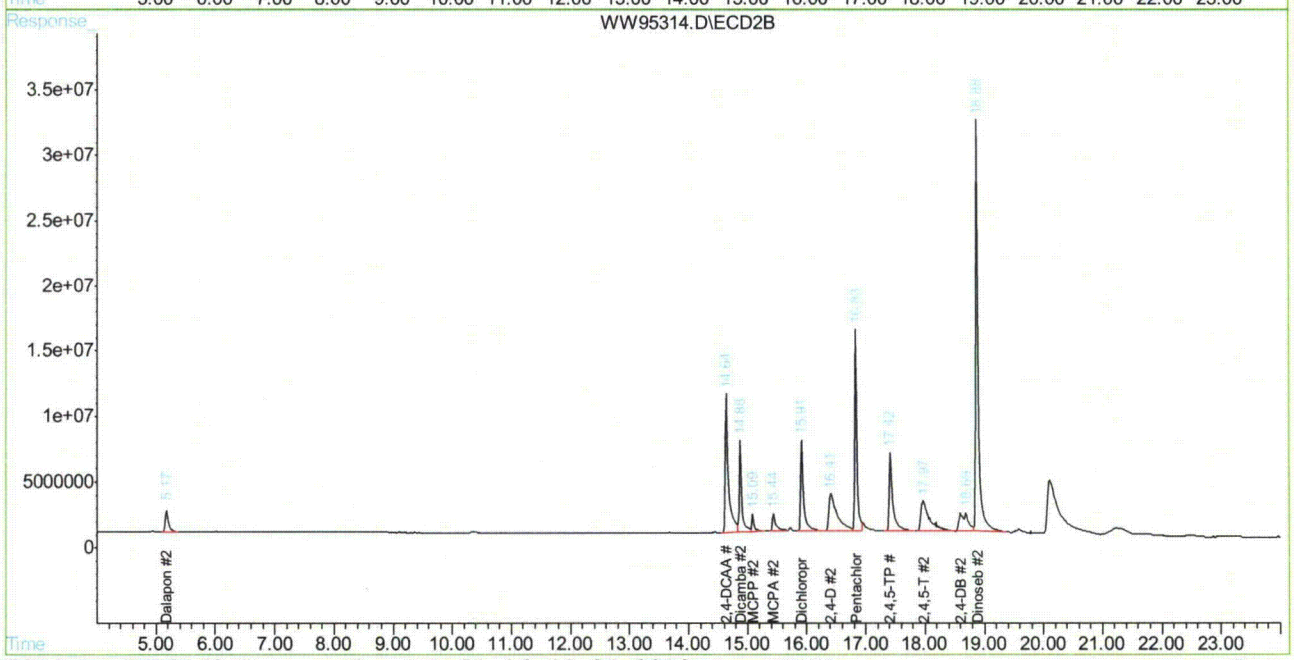
Quantitation Report (QT Reviewed)

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





Manual Integration Approval Summary

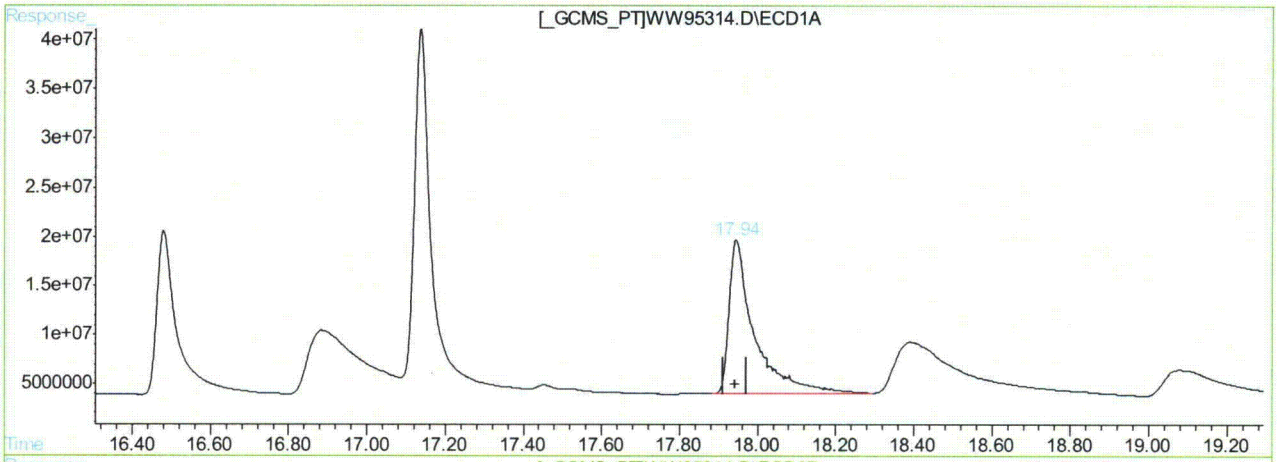
Sample Number:	GWW3334-CC3143	**Method:**	SW846 8151
Lab FileID:	WW95314.D	**Analyst approved:**	10/25/10 16:20 Toya Dagena Raffington
Injection Time:	10/21/10 16:24	**Supervisor approved:**	10/27/10 17:04 Jessica Reitan-Chu

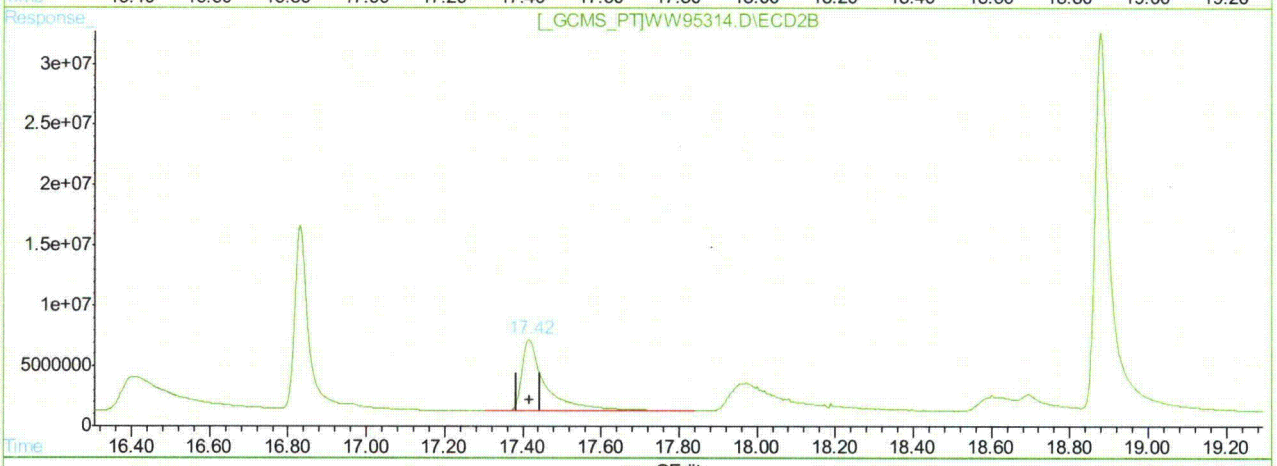
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4,5-TP (Silvex)	93-72-1	2	17.42	Poorly defined baseline
2,4,5-TP (Silvex)	93-72-1	1	17.94	Poorly defined baseline
2,4,5-T	93-76-5	2	17.97	Poorly defined baseline

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

(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

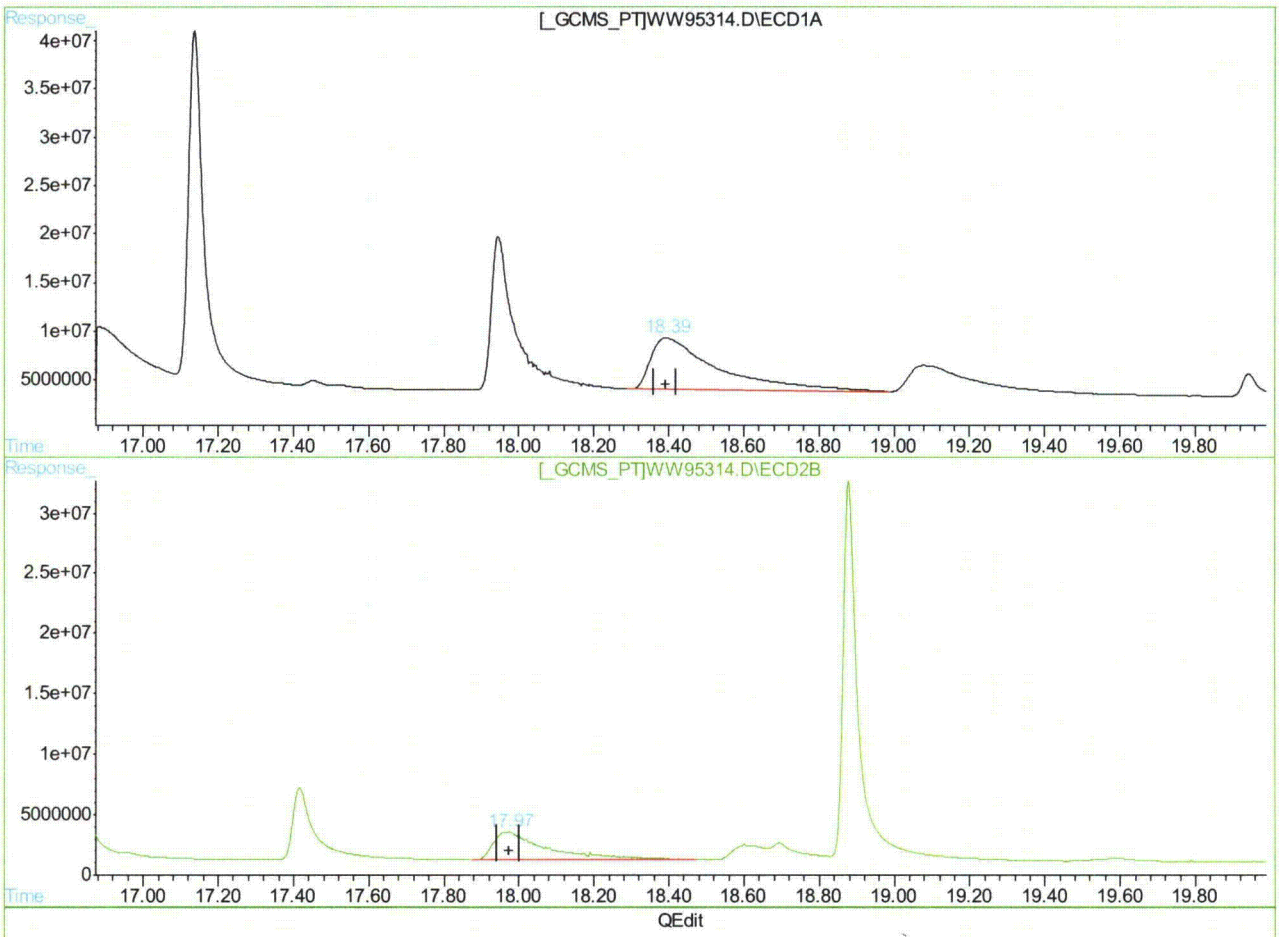
ACCUTEST LABORATORIES JA58750

WW95314.D edits: 2,4,5-TP

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
```



(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

WW95314.D edits: 2,4,5-T

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)	Pentachlorophenol	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

(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

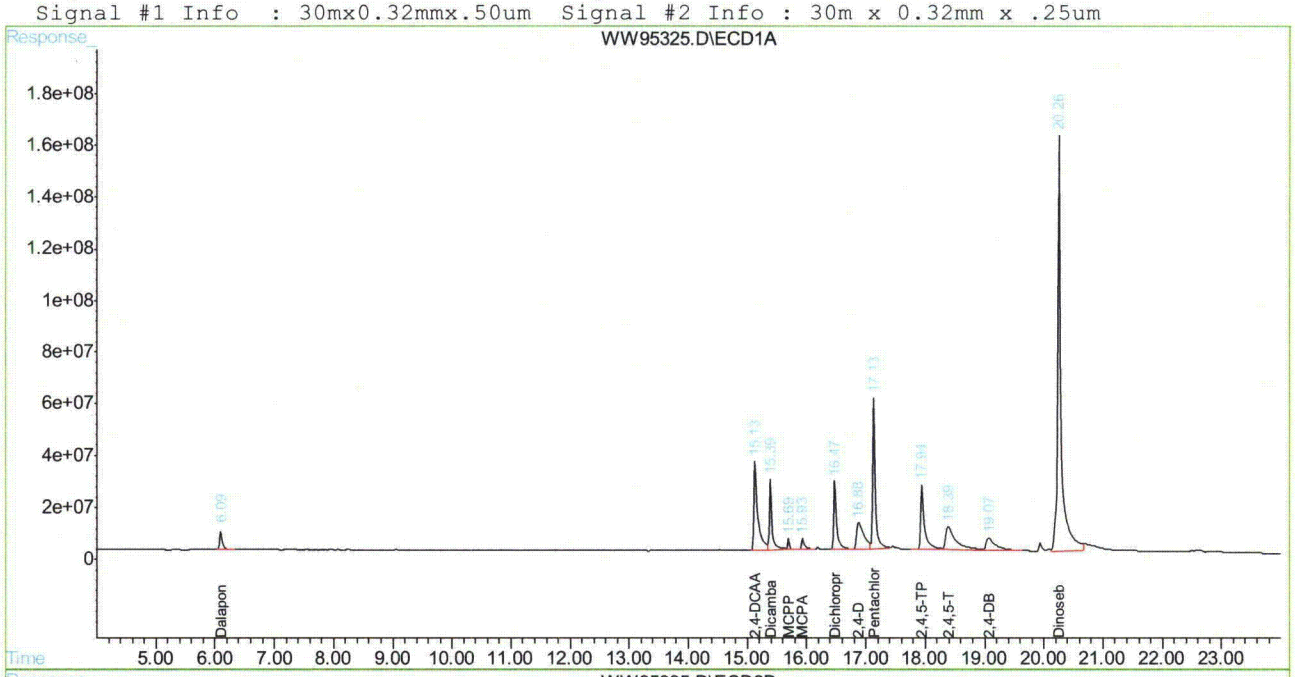
10.6.70 10

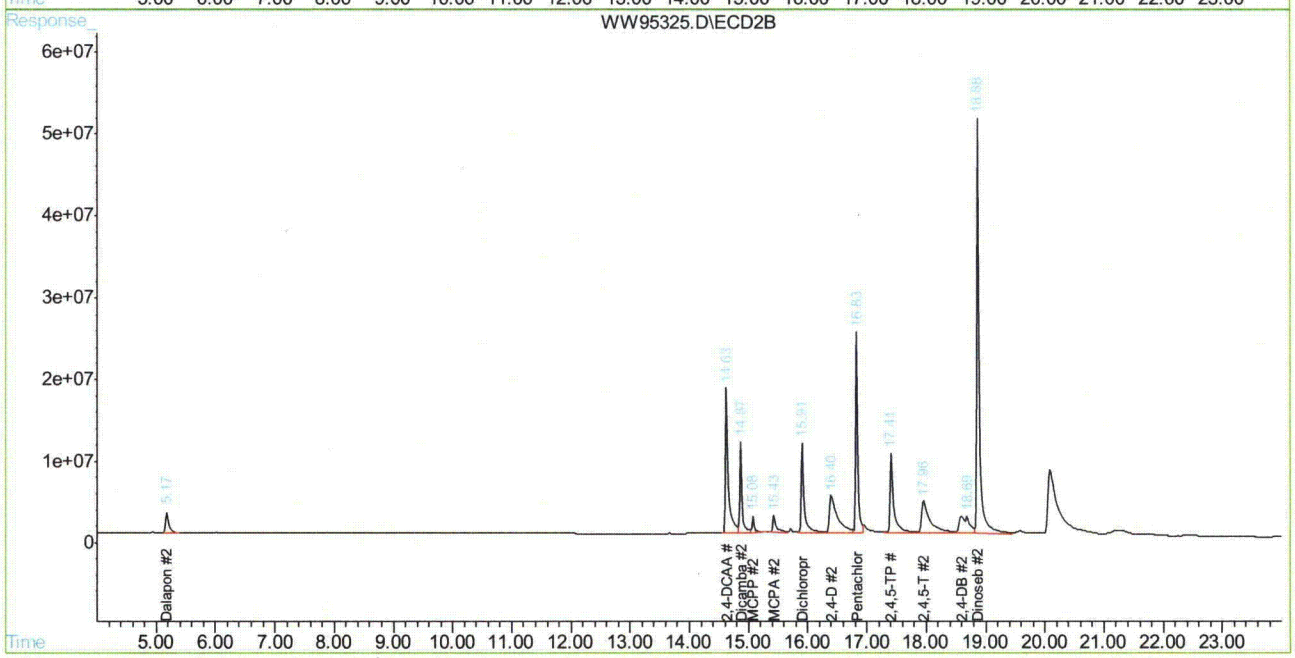
Quantitation Report (QT Reviewed)

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 : 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





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

(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

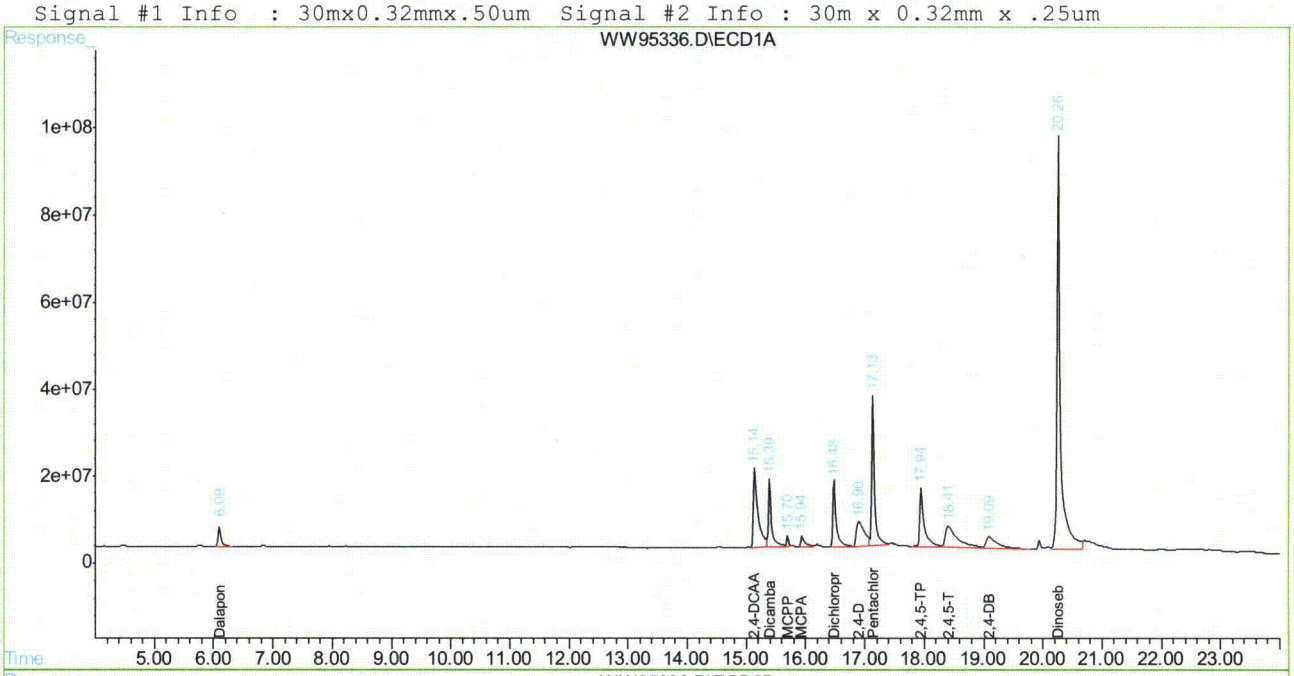
10.6.71 10

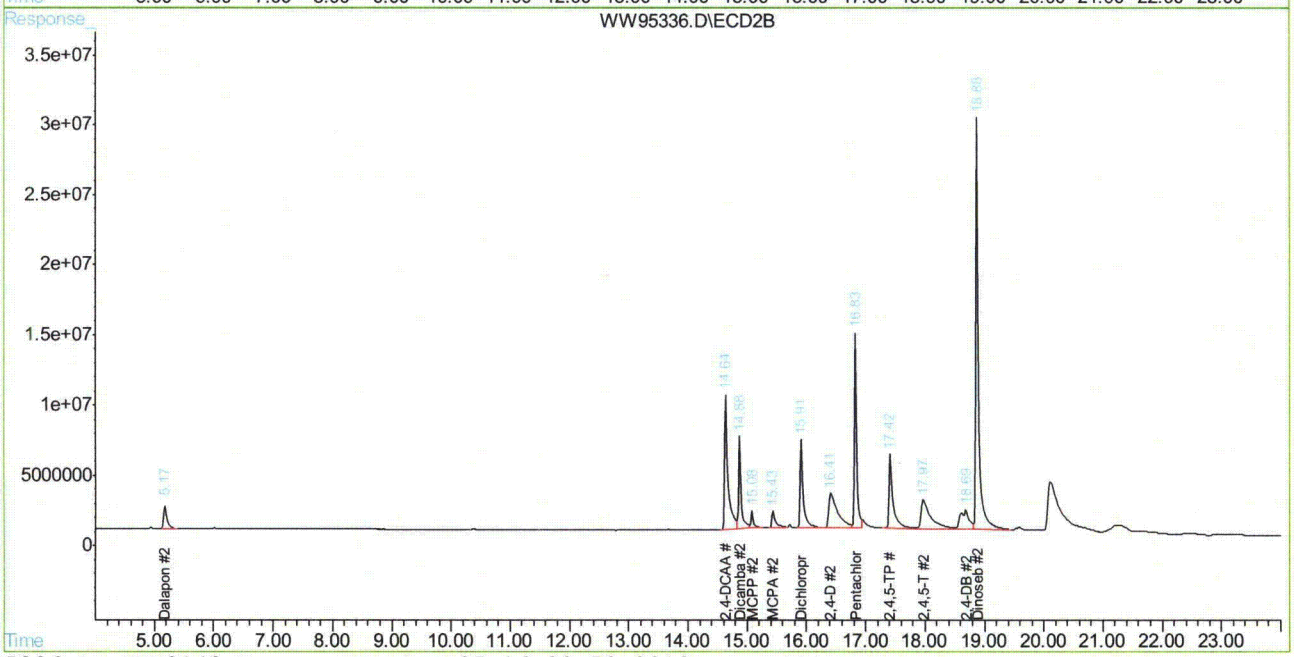
Quantitation Report (QT Reviewed)

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 : 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





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)	MCPP	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)	Pentachlorophenol	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

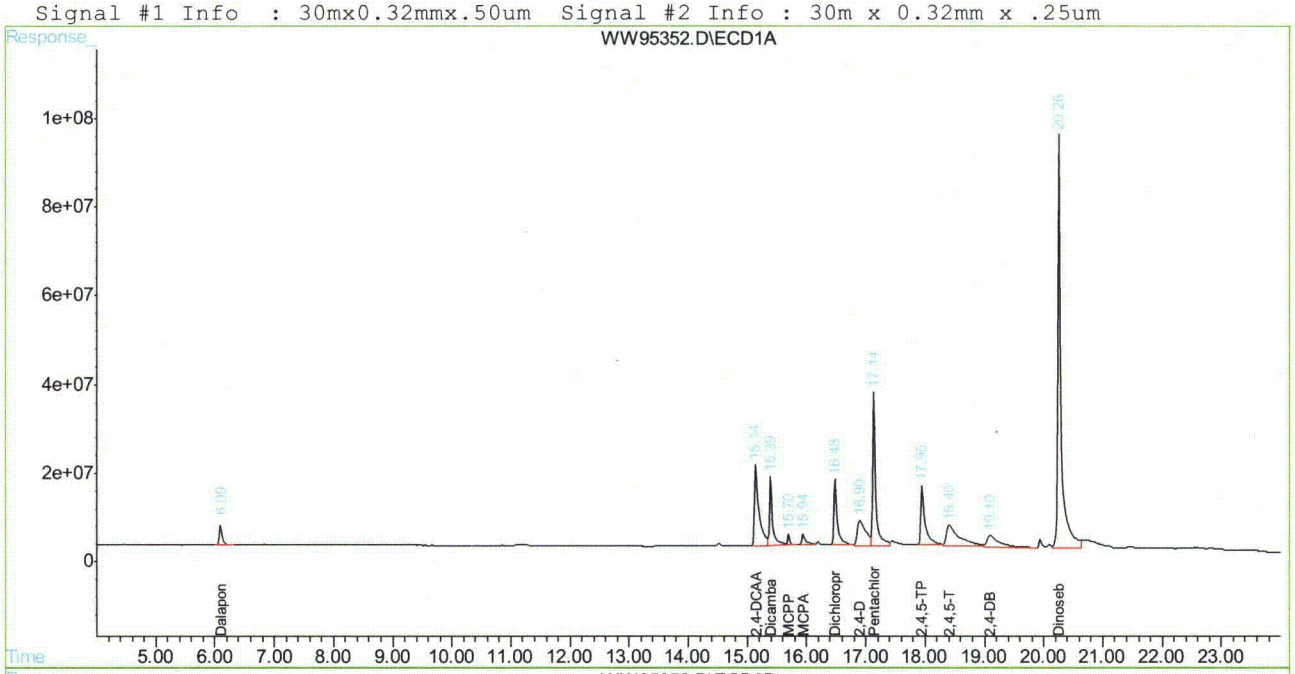
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95352.D HWW3143.M Fri Oct 22 15:12:08 2010 GCCD

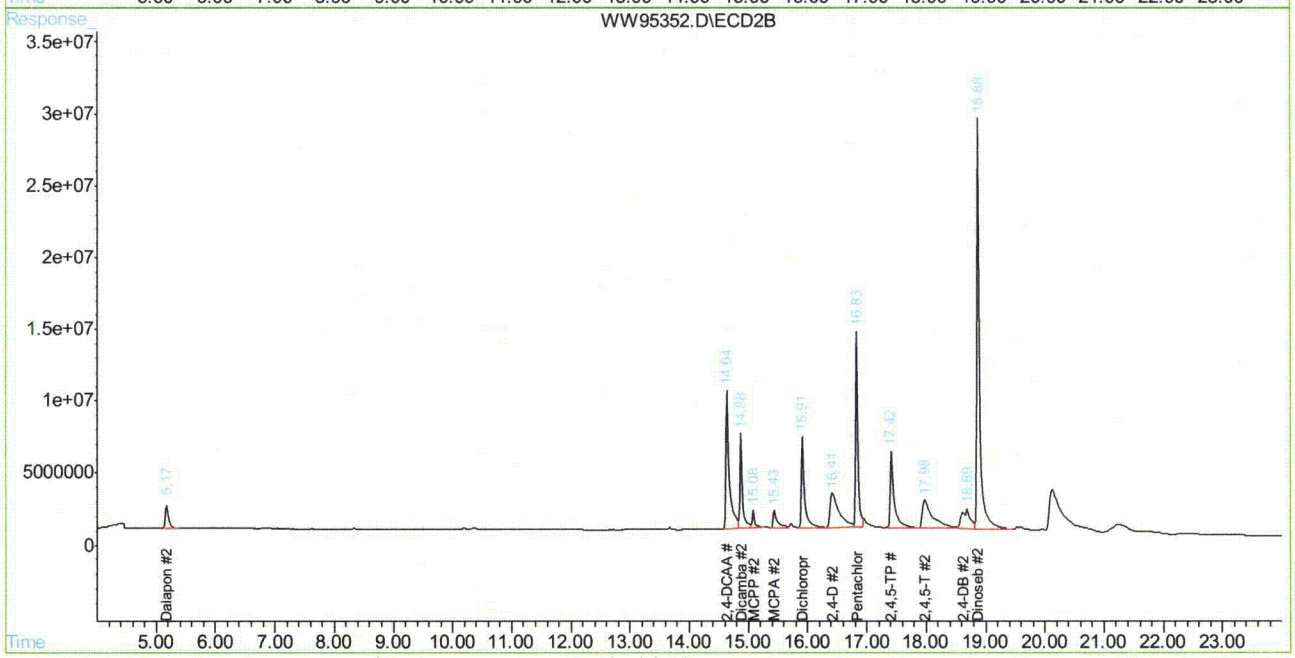
Quantitation Report (QT Reviewed)

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





Manual Integration Approval Summary

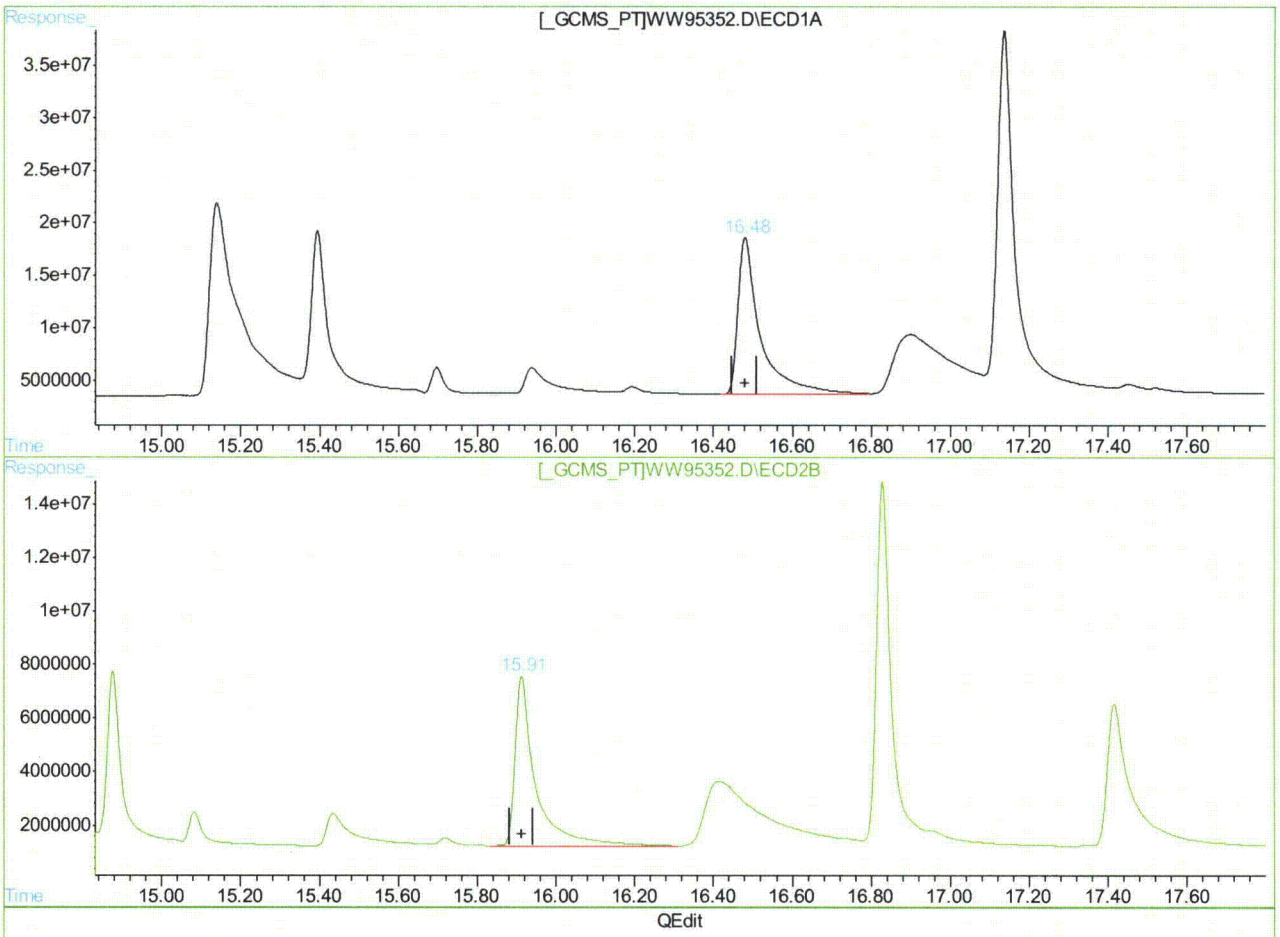
Sample Number: GWW3334-CC3143 **Method:** SW846 8151
Lab FileID: WW95352.D **Analyst approved:** 10/25/10 16:20 Toya Dagena Raffington
Injection Time: 10/22/10 14:35 **Supervisor approved:** 10/27/10 17:06 Jessica Reitan-Chu

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

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
```



(6) Dichloroprop

16.48min 183.277PPB m

response 593334418

(6) Dichloroprop #2

15.91min 169.336PPB

response 227045528

(+) = Expected Retention Time

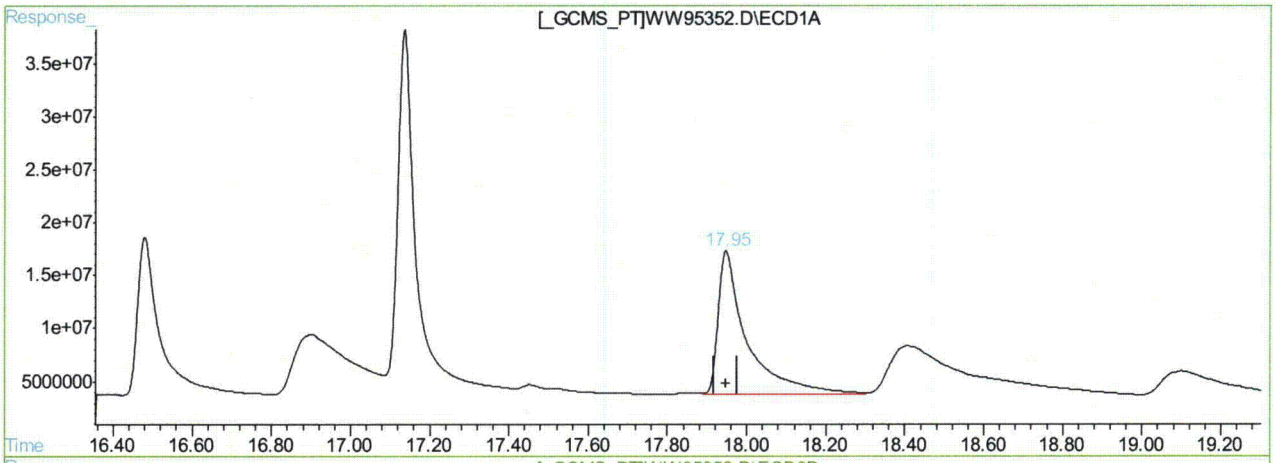
WW95352.D HWW3143.M Fri Oct 22 15:11:41 2010 GCCD

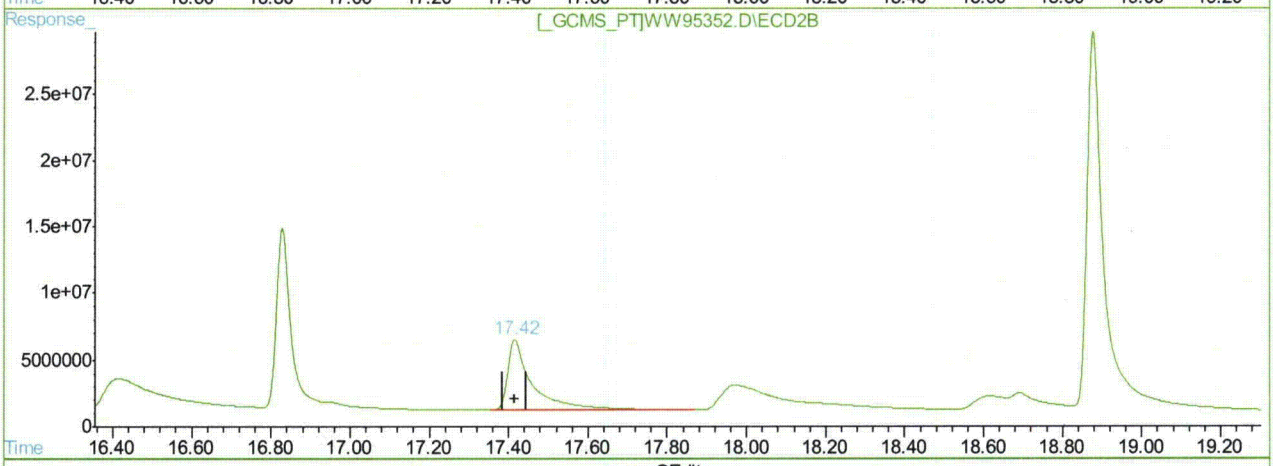
10.6.72.2 10

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

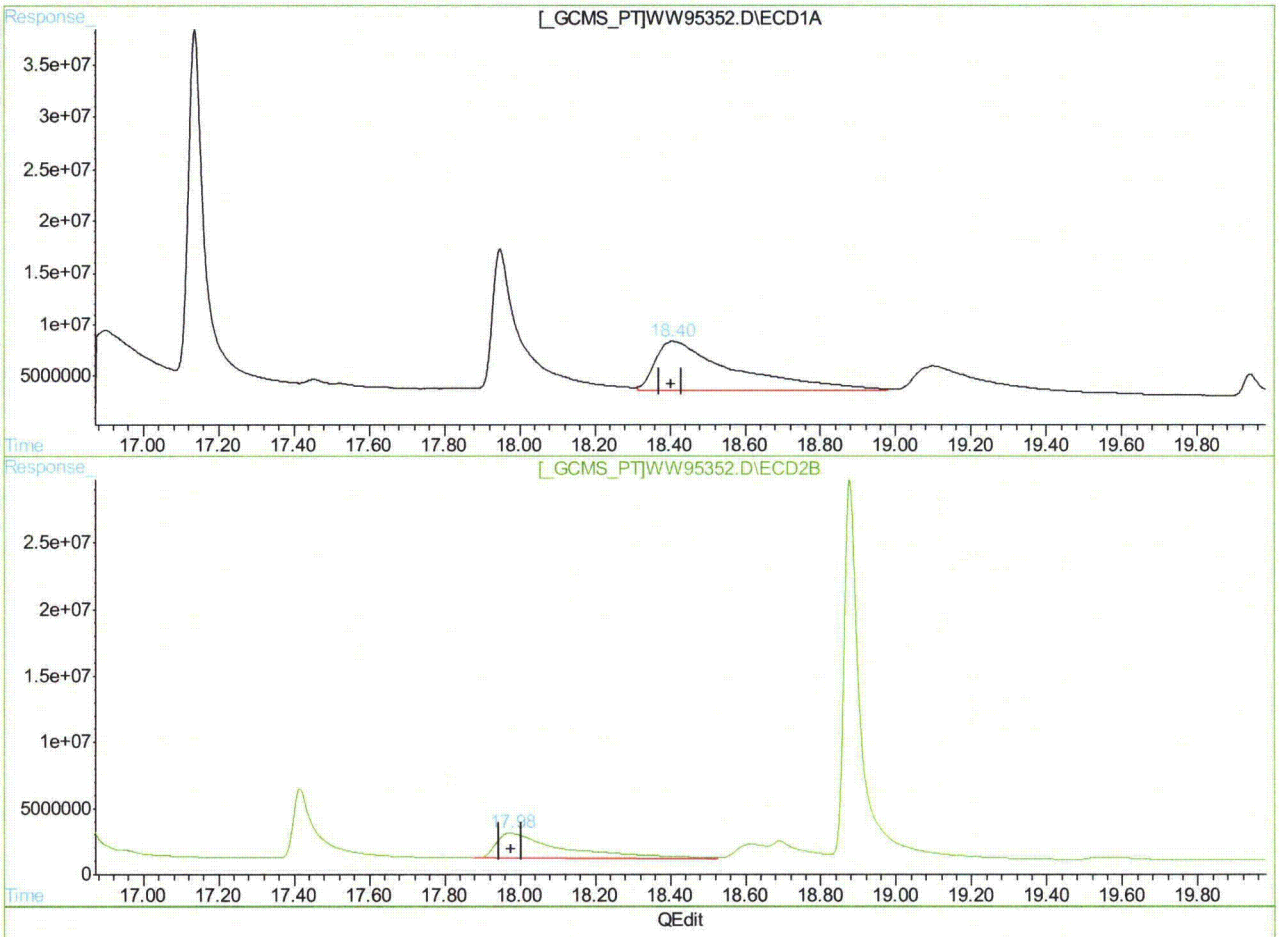
ACCUTEST LABORATORIES JA58750

WW95352.D edits: 2,4,5-TP

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

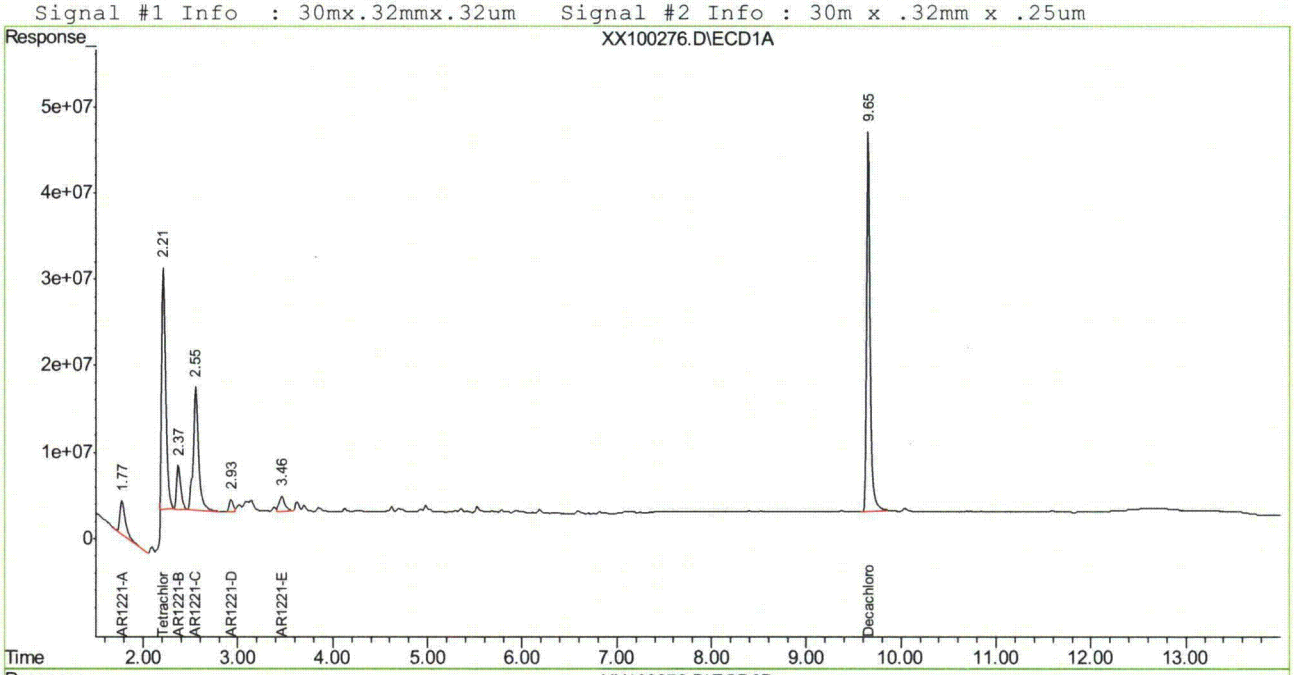
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100276.D PCB3901.M Tue Oct 26 11:17:55 2010 GCXX

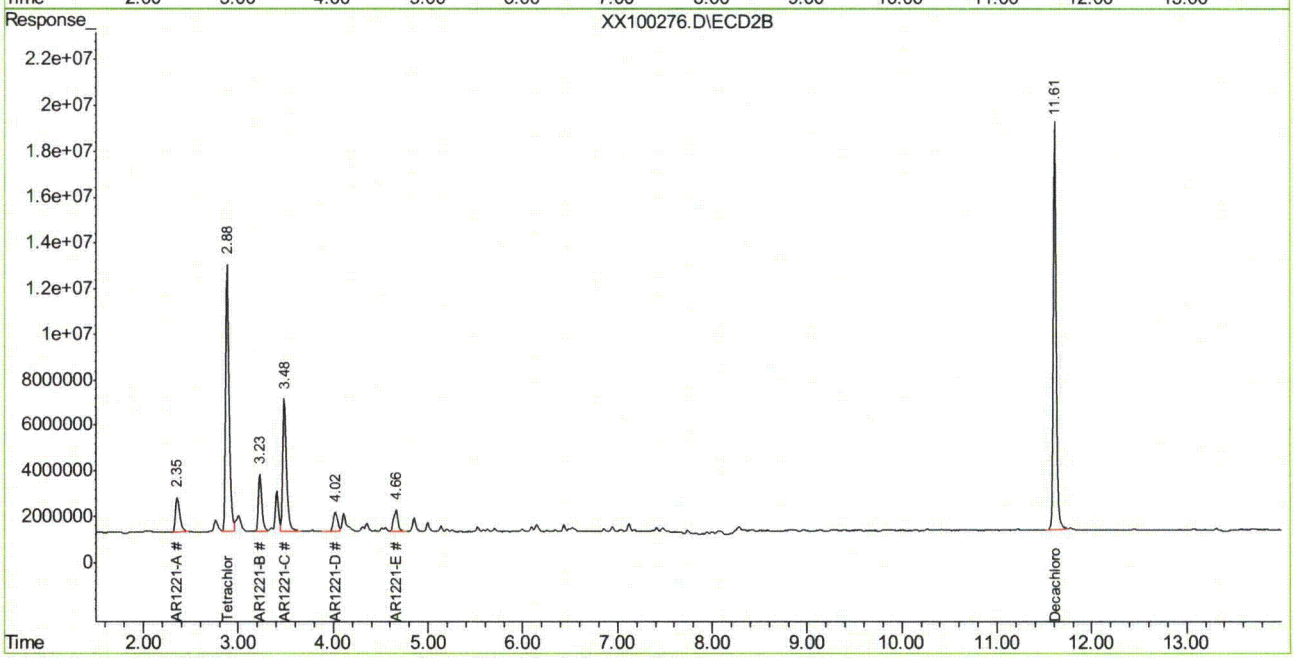
Quantitation Report

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





Manual Integration Approval Summary

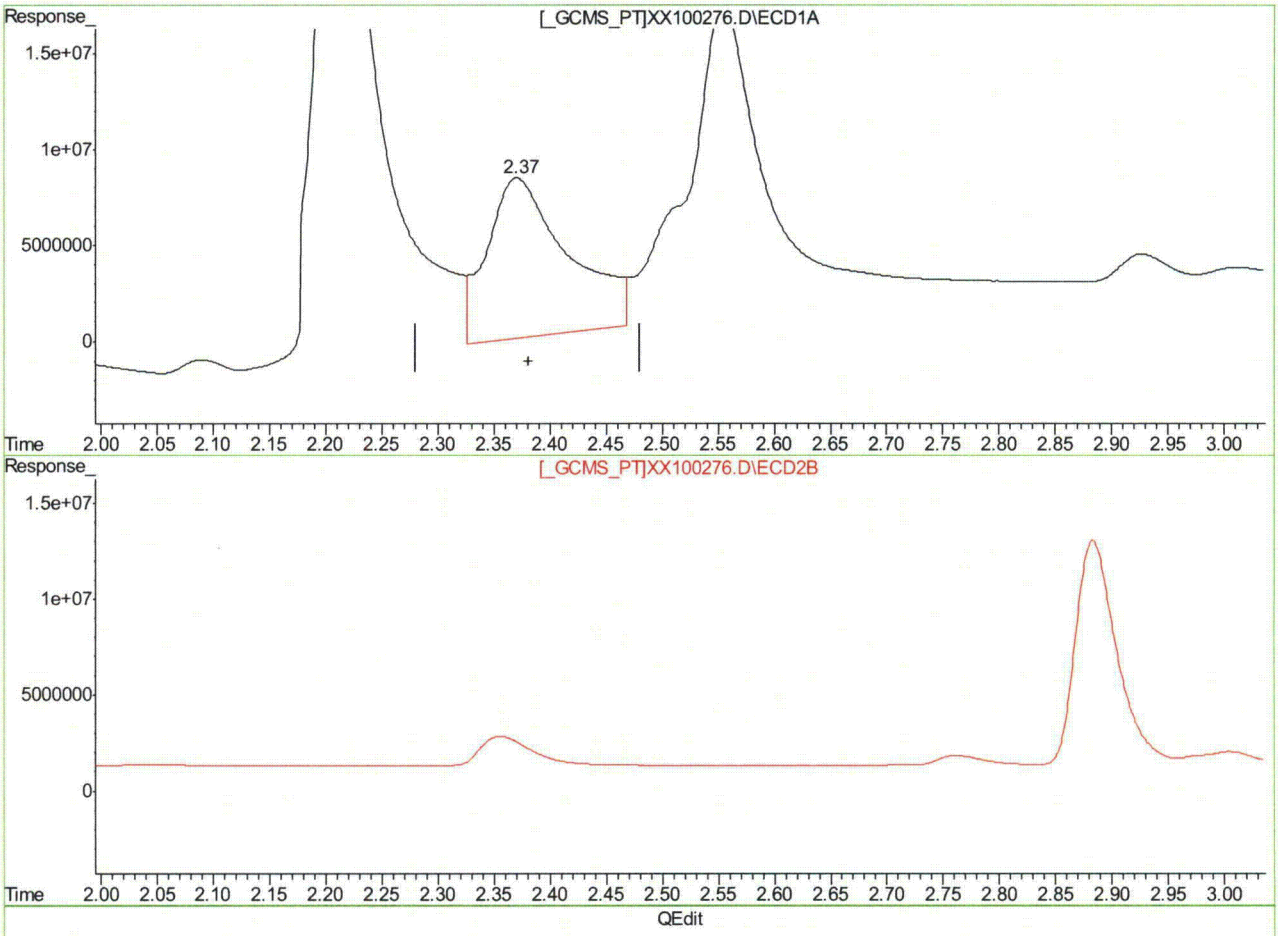
Sample Number: GXX3901-IC3901 **Method:** SW846 8082
Lab FileID: XX100276.D **Analyst approved:** 10/26/10 11:42 Anna Zuk
Injection Time: 10/25/10 16:26 **Supervisor approved:** 10/26/10 11:54 Owen McKenna

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

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
```



(3) AR1221-B

2.37min 2259.316PPB

response 418884545

(3) AR1221-B #2

3.23min 951.276PPB

response 63766353

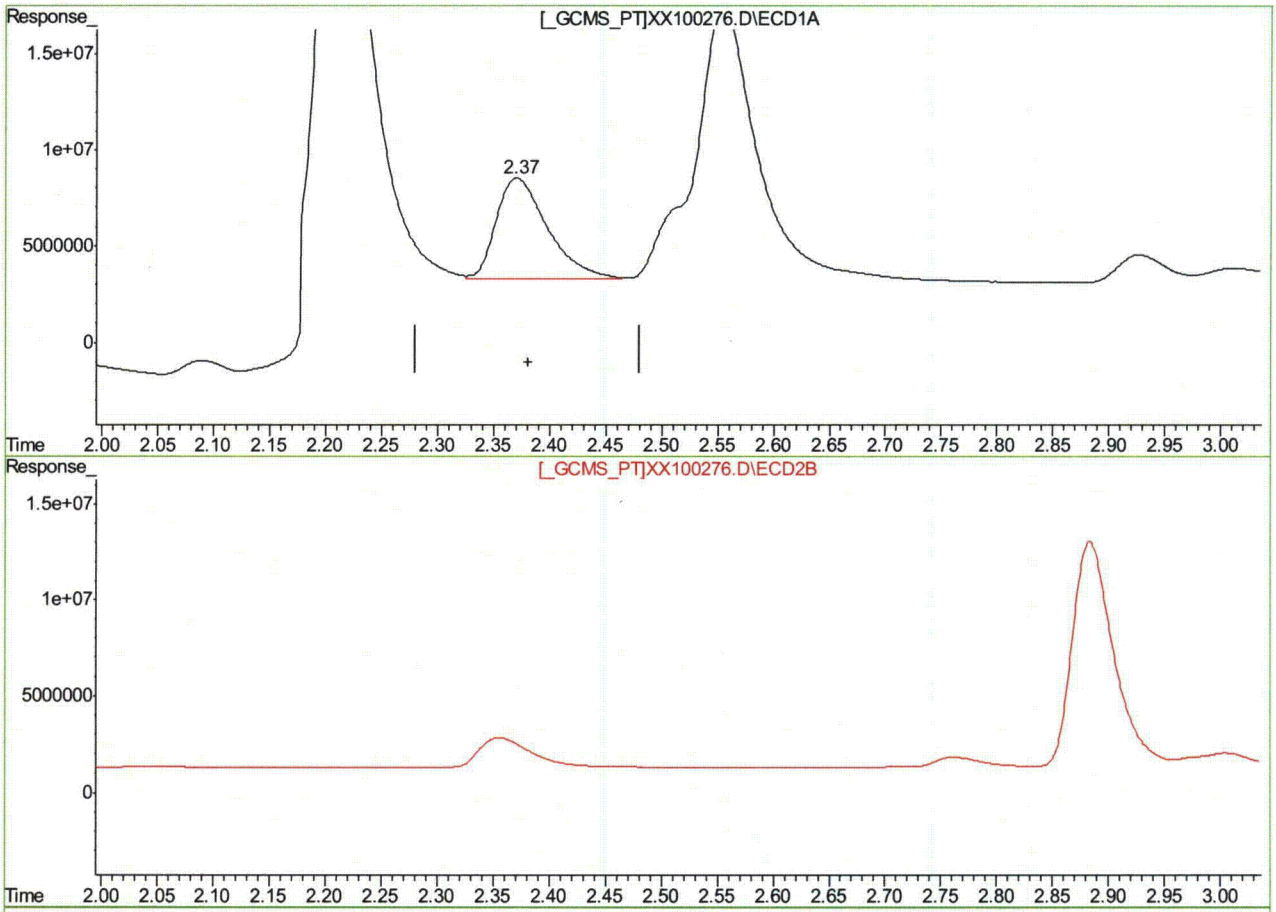
(+) = Expected Retention Time

XX100276.D PCB3901.M Tue Oct 26 10:36:35 2010 GCXX

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

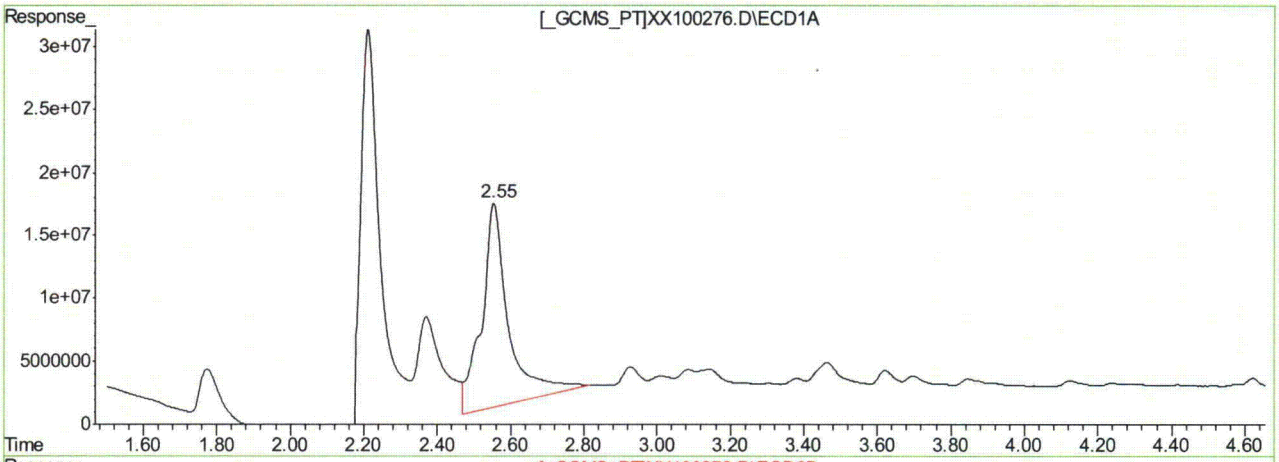
10.6.73.3 10

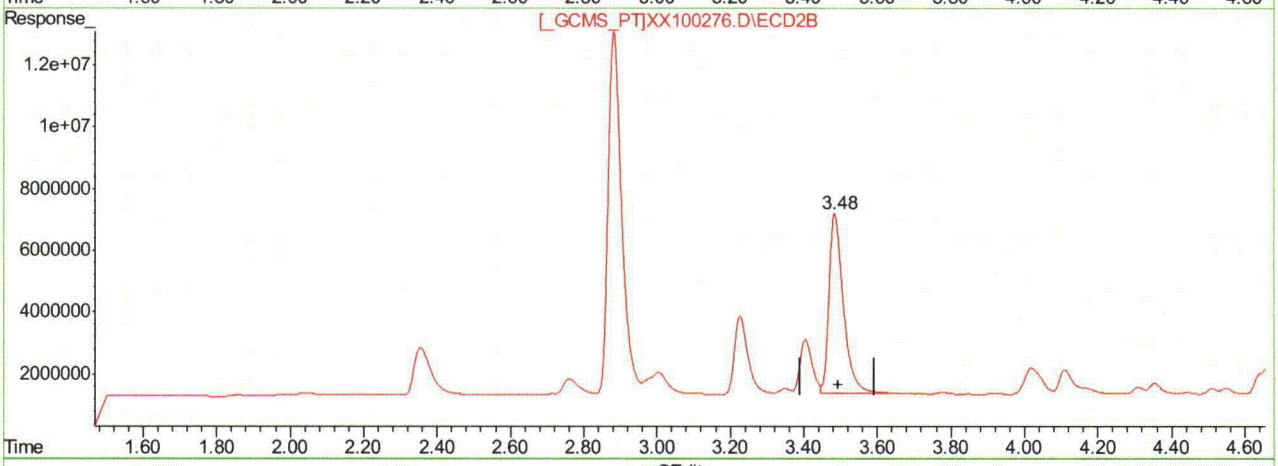
XX100276.D edits: AR1221-B

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 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

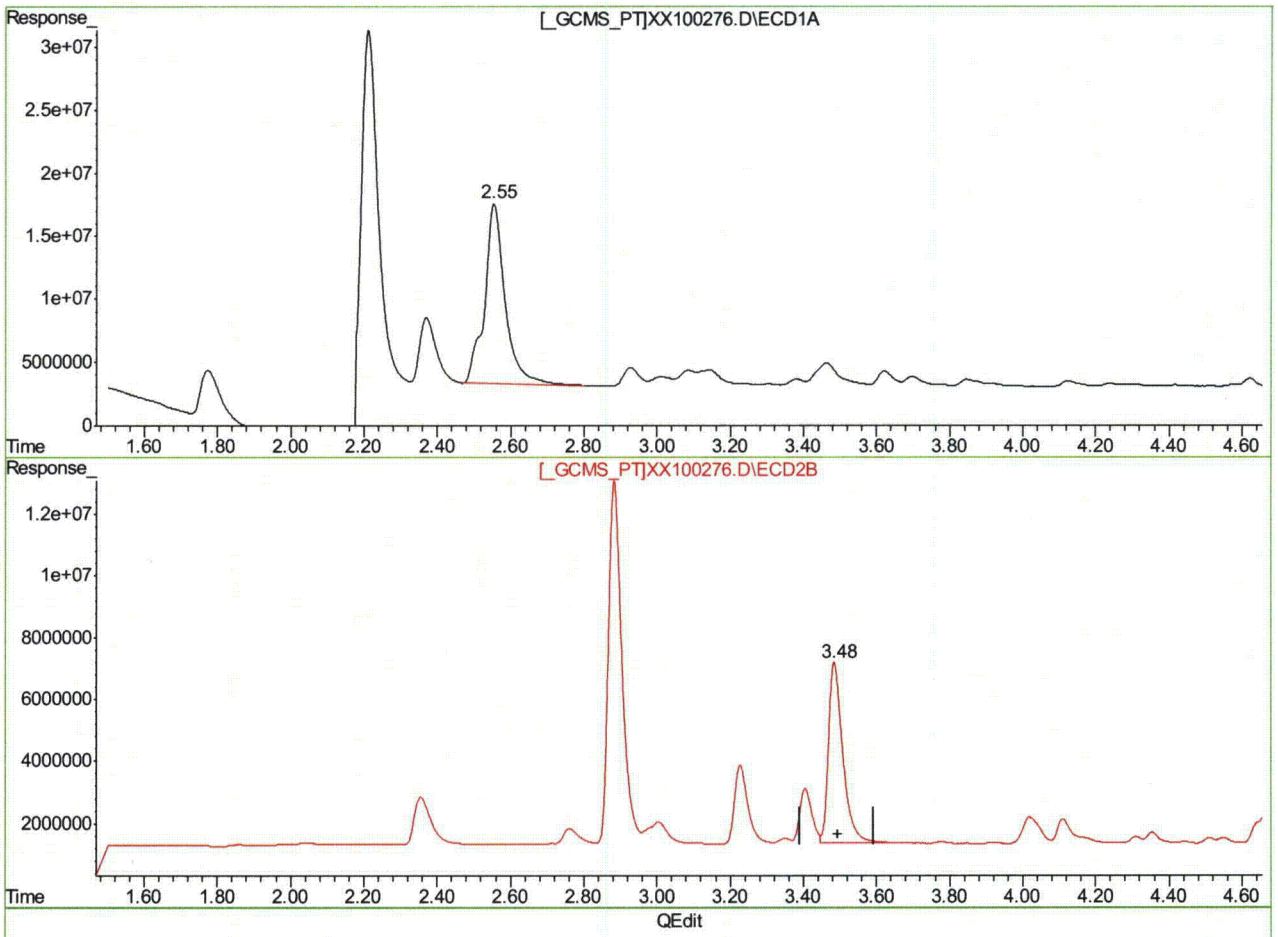
10.6.73.4

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 934.779PPB m

response 552488254

(4) AR1221-C #2

3.49min 942.334PPB

response 158588566

(+) = Expected Retention Time

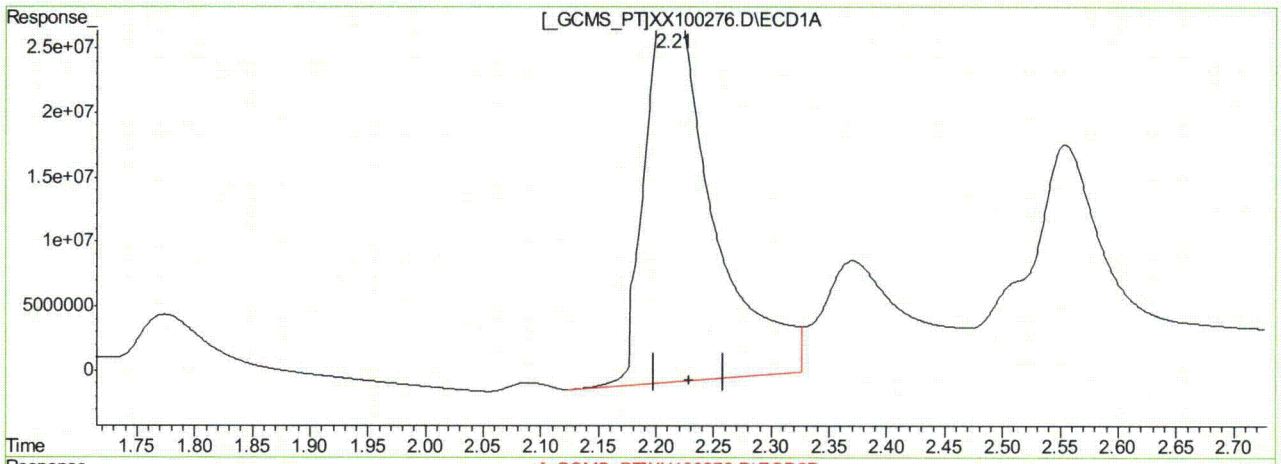
XX100276.D PCB3901.M Tue Oct 26 10:36:47 2010 GCXX

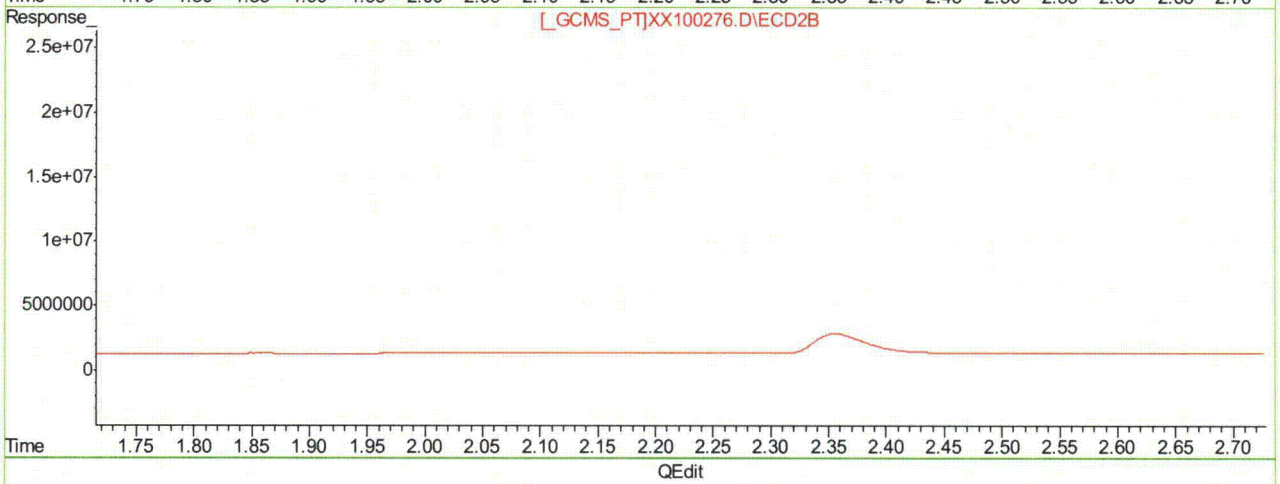
10.6.73.5 10

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
```





QEdit

(1) Tetrachloro-m-xylene (S)

2.21min 64.017ppb

response 1227003274

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

2.88min 44.937ppb

response 299688632

(+) = Expected Retention Time

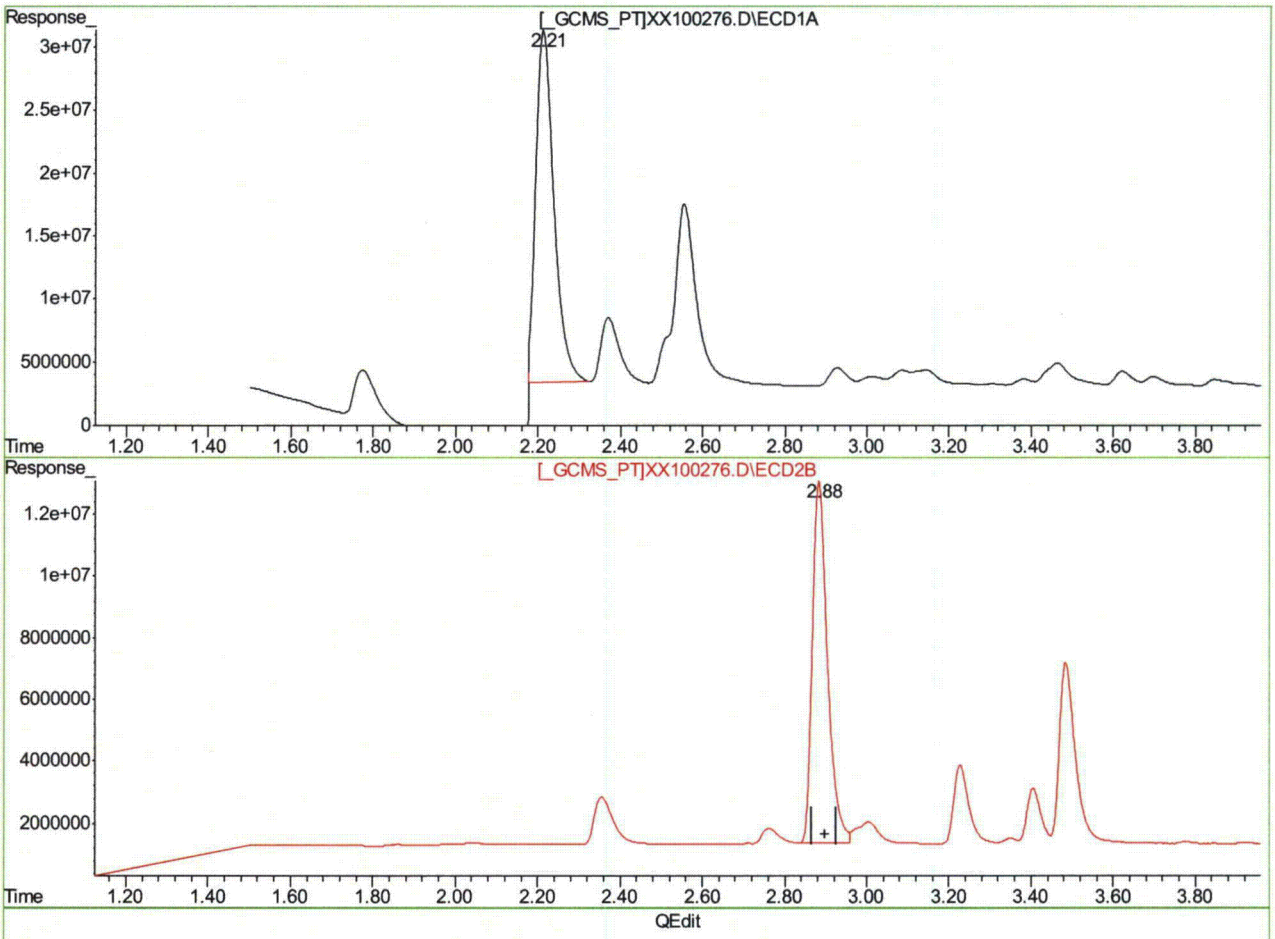
XX100276.D PCB3901.M Tue Oct 26 10:36:53 2010 GCXX

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

ACCUTEST LABORATORIES

JA58750

XX100276.D edits: Tetrachloro-m-xylene

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	2.21	2.88	845.2E6	236.3E6	44.096	35.433
Spiked Amount	40.000			Recovery	=	110.24%	88.58%
51) S	Decachlorobiphen	9.65	11.61	897.4E6	300.5E6	38.797	35.006
Spiked Amount	40.000			Recovery	=	96.99%	87.52%
	Target Compounds						
7)	AR1232-A	2.56	3.48	474.8E6	146.2E6	925.355	948.586
8)	AR1232-B	2.93	4.02	337.6E6	117.2E6	975.352	966.753
9)	AR1232-C	3.46	4.66	702.9E6	243.8E6	956.390	955.773
10)	AR1232-D	3.62	5.00	266.0E6	59140209	976.464	733.505
11)	AR1232-E	4.12	5.52	255.3E6	69498828	952.287	972.742

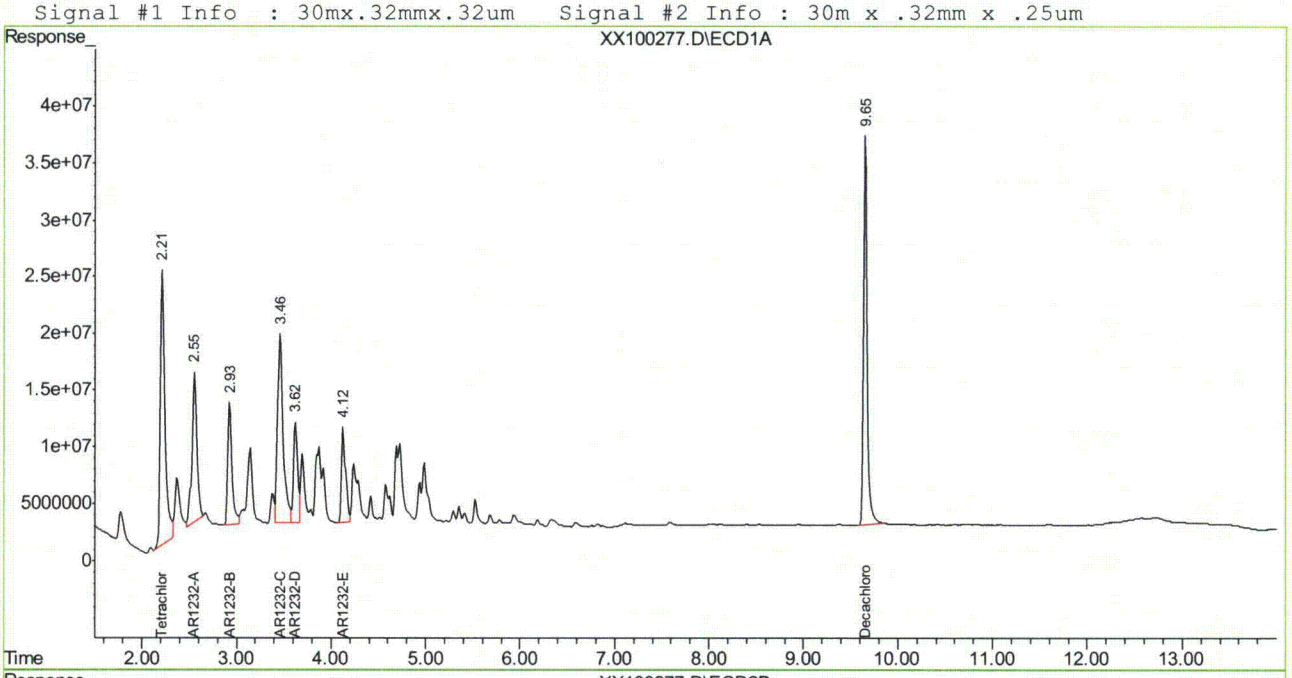
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100277.D PCB3901.M Tue Oct 26 11:19:17 2010 GCXX

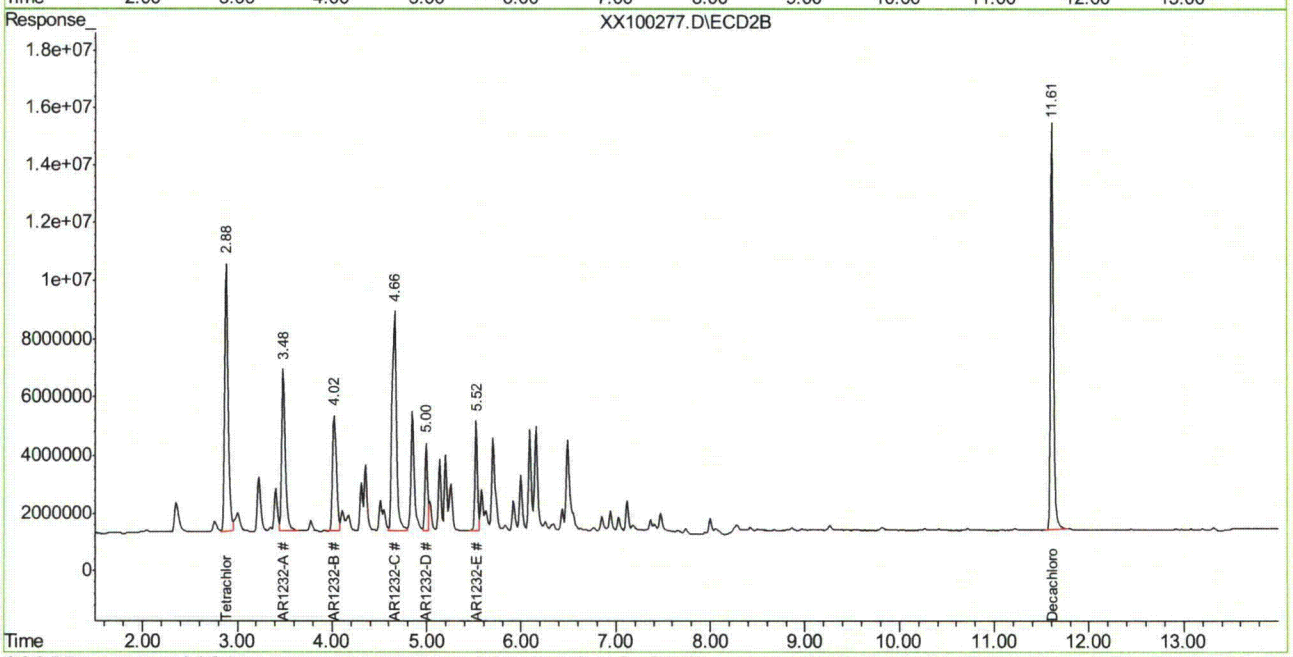
Quantitation Report

```
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

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.21	2.88	806.1E6	267.0E6	42.058	40.038
Spiked Amount 40.000			Recovery	=	105.15%	100.10%
51) S Decachlorobiphen	9.65	11.61	1020.4E6	337.3E6	44.112	39.294
Spiked Amount 40.000			Recovery	=	110.28%	98.23%
Target Compounds						
12) AR1242-A	2.93	4.02	609.8E6	202.7E6	1003.092	980.415
13) AR1242-B	3.46	4.66	1337.6E6	449.2E6	978.937	972.411
14) AR1242-C	3.62	4.85	503.1E6	186.2E6	985.371	980.455
15) AR1242-D	4.12	5.52	534.0E6	138.0E6	977.761	987.082
16) AR1242-E	4.72	6.16	530.8E6	171.2E6	979.857	975.630

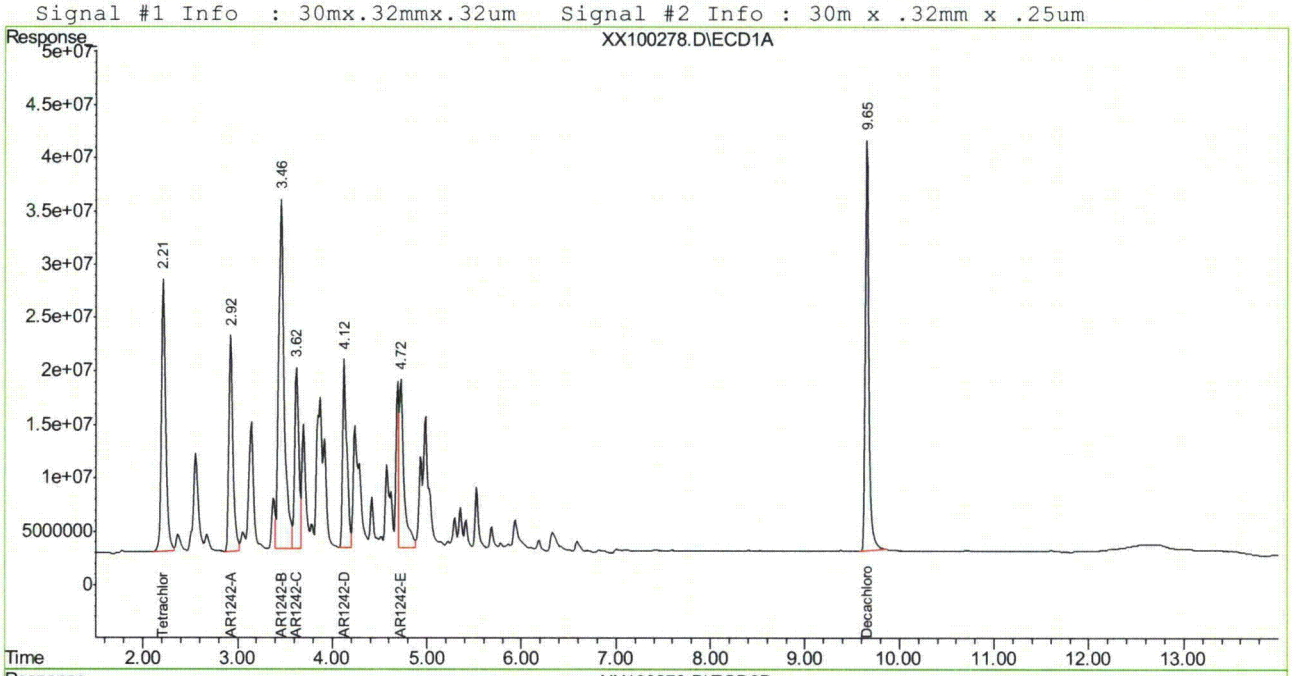
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100278.D PCB3901.M Tue Oct 26 11:19:41 2010 GCXX

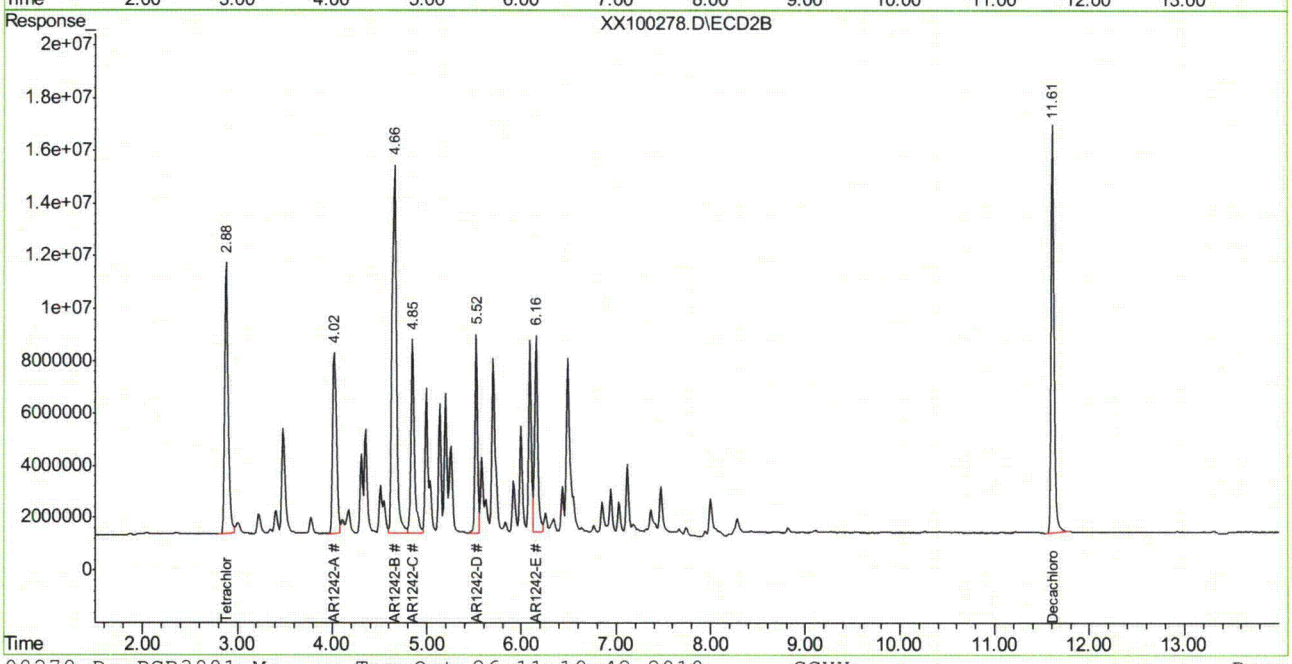
Quantitation Report

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

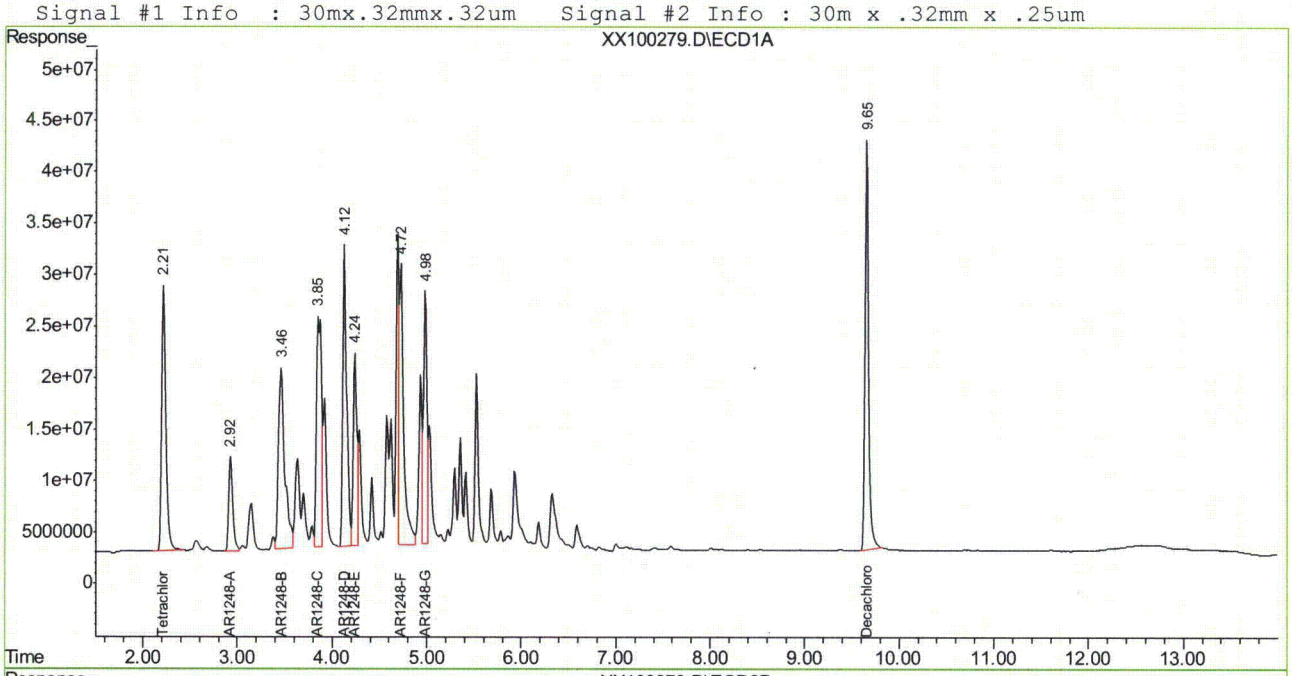
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100279.D PCB3901.M Tue Oct 26 11:20:17 2010 GCXX

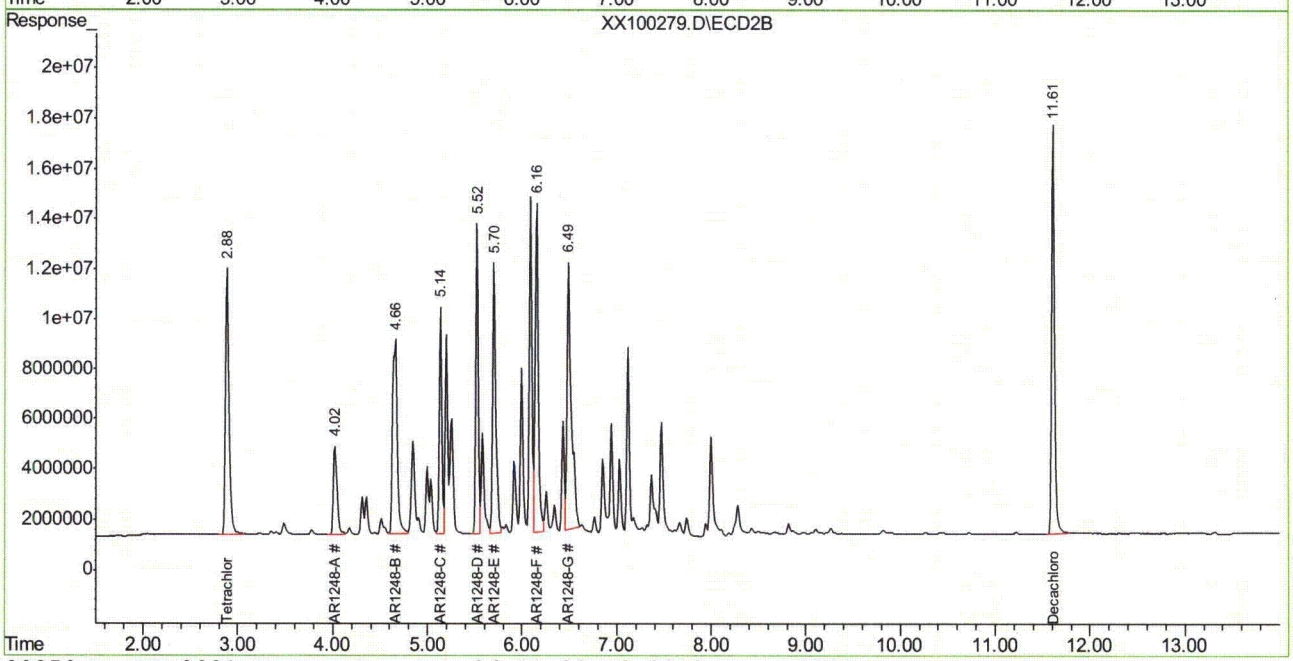
Quantitation Report

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

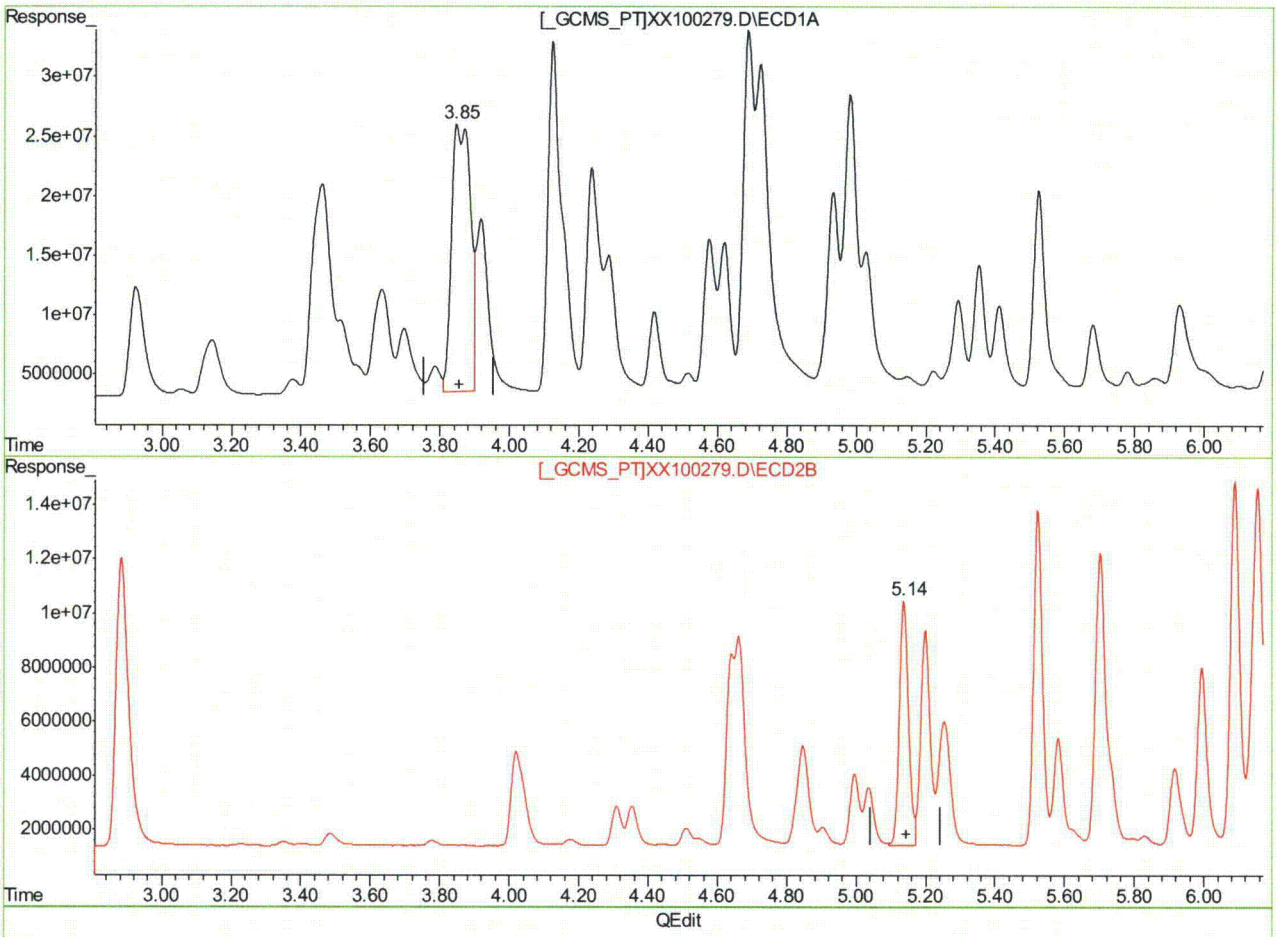
Sample Number:	GXX3901-IC3901	**Method:**	SW846 8082
Lab FileID:	XX100279.D	**Analyst approved:**	10/26/10 11:42 Anna Zuk
Injection Time:	10/25/10 17:24	**Supervisor approved:**	10/26/10 11:54 Owen McKenna

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

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
```



(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

10.6.76.2 10

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

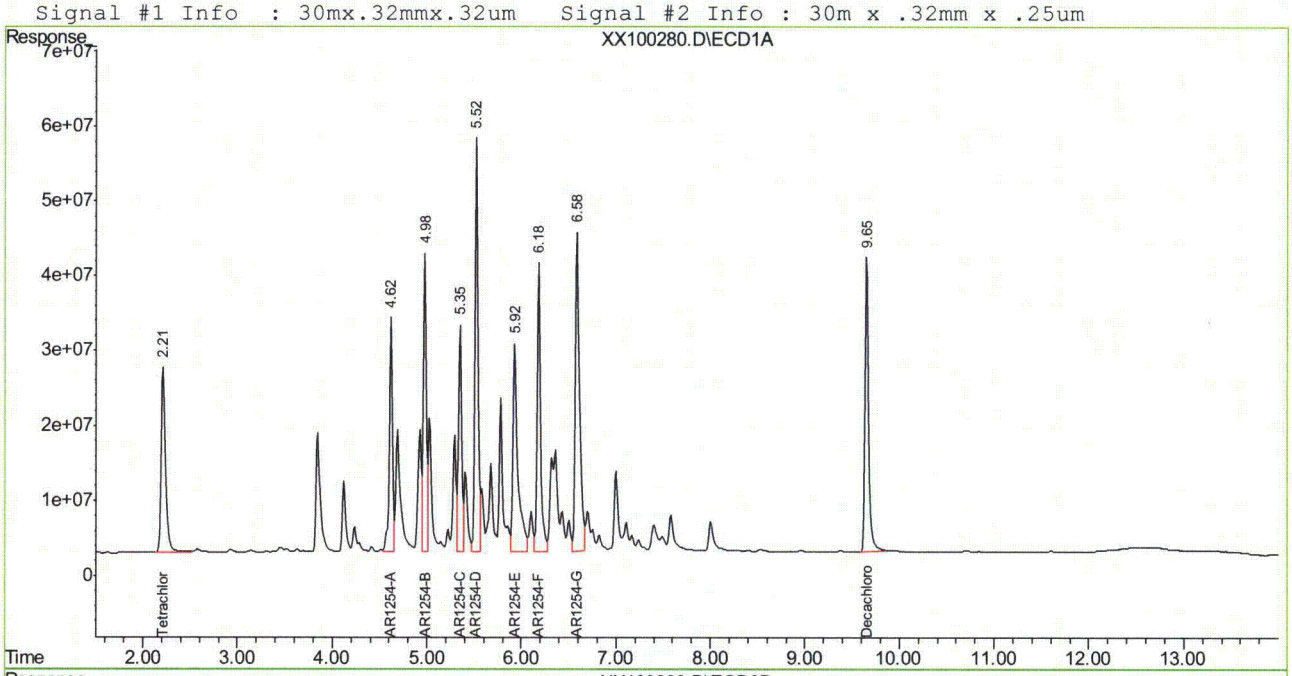
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100280.D PCB3901.M Tue Oct 26 11:20:39 2010 GCXX

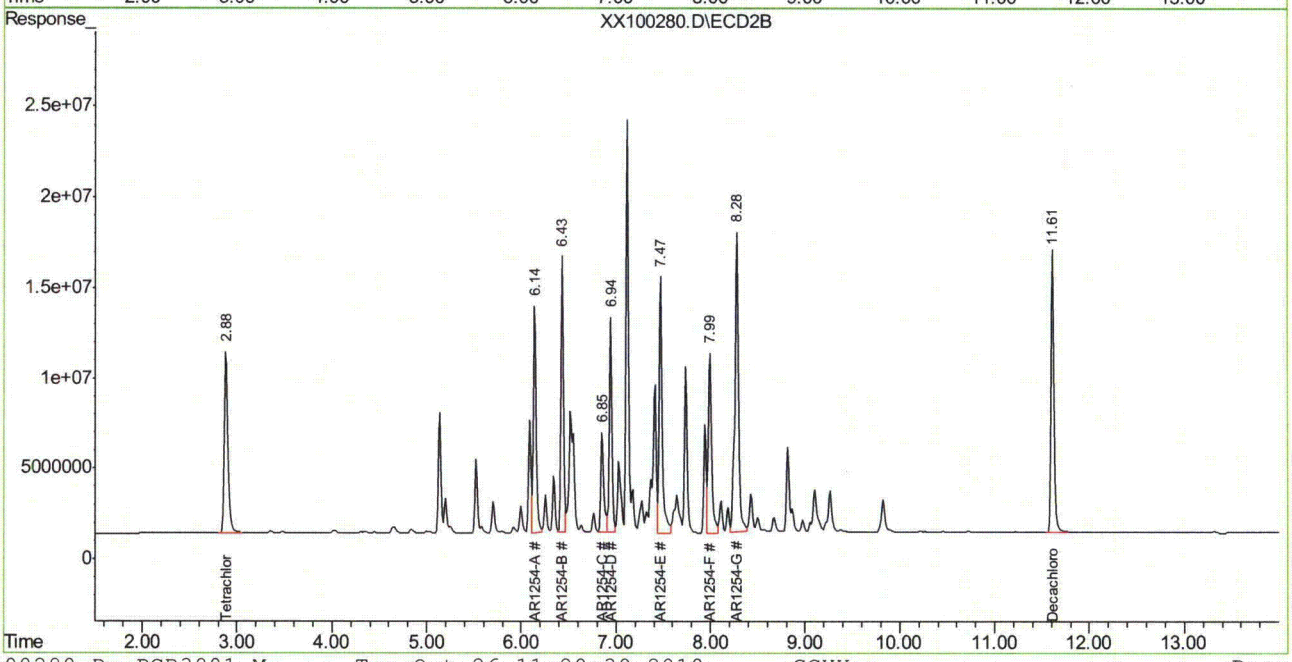
Quantitation Report

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

10.6.78 10

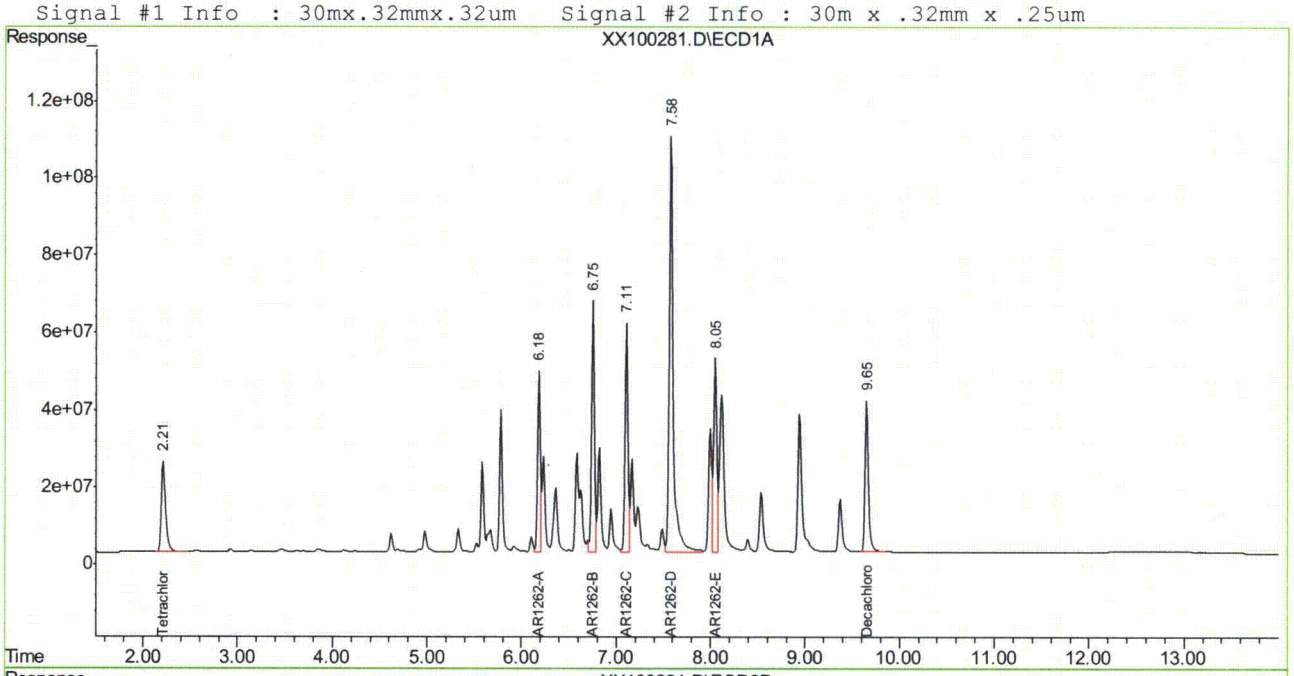
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100281.D PCB3901.M Tue Oct 26 11:21:00 2010 GCXX

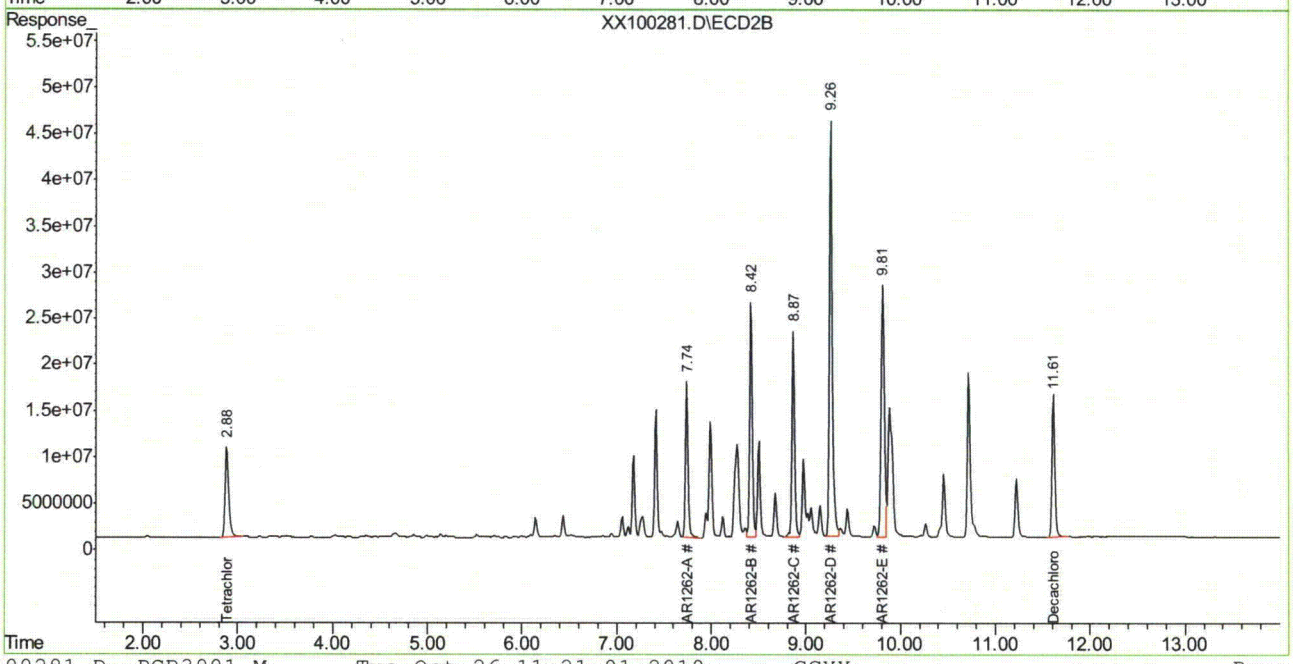
Quantitation Report

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

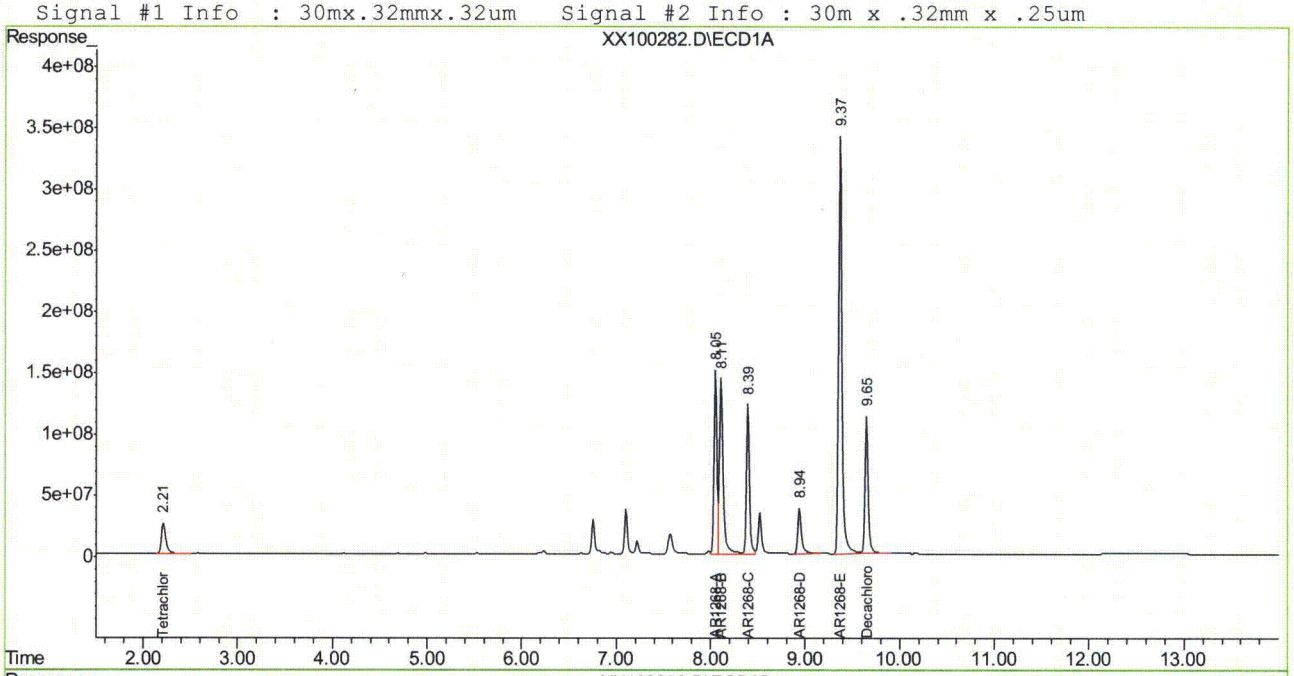
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100282.D PCB3901.M Tue Oct 26 11:21:22 2010 GCXX

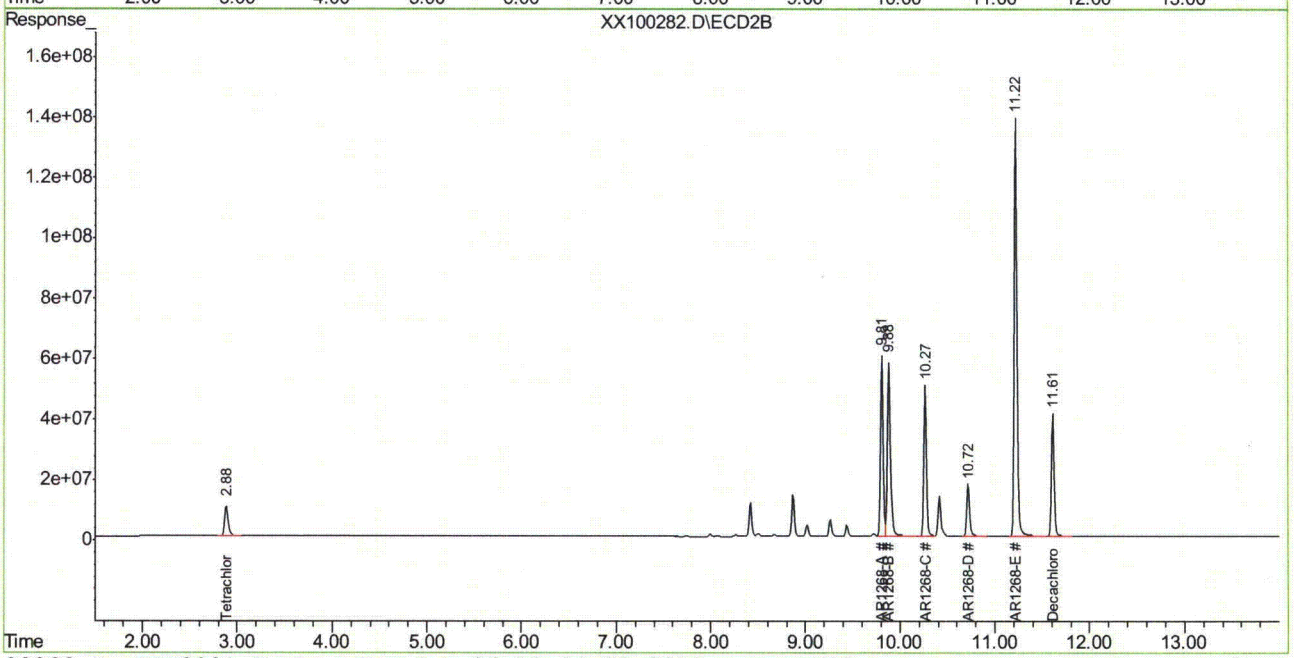
Quantitation Report

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

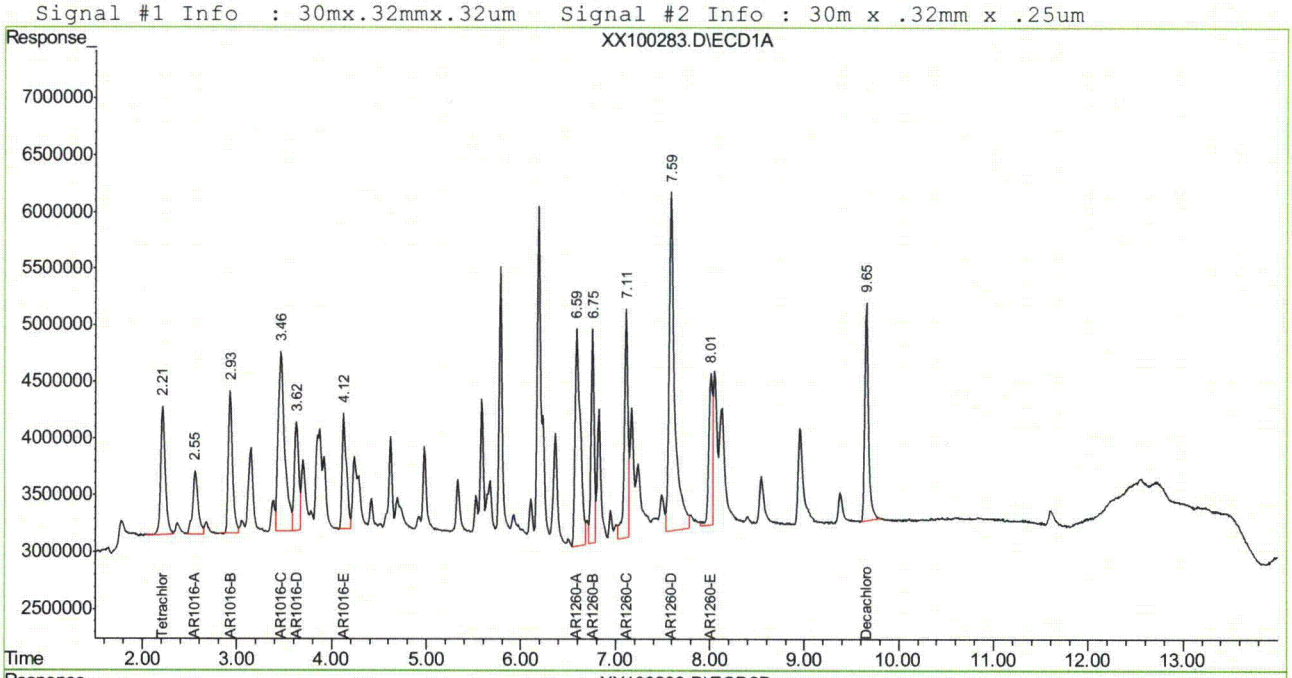
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100283.D PCB3901.M Tue Oct 26 11:22:52 2010 GCXX

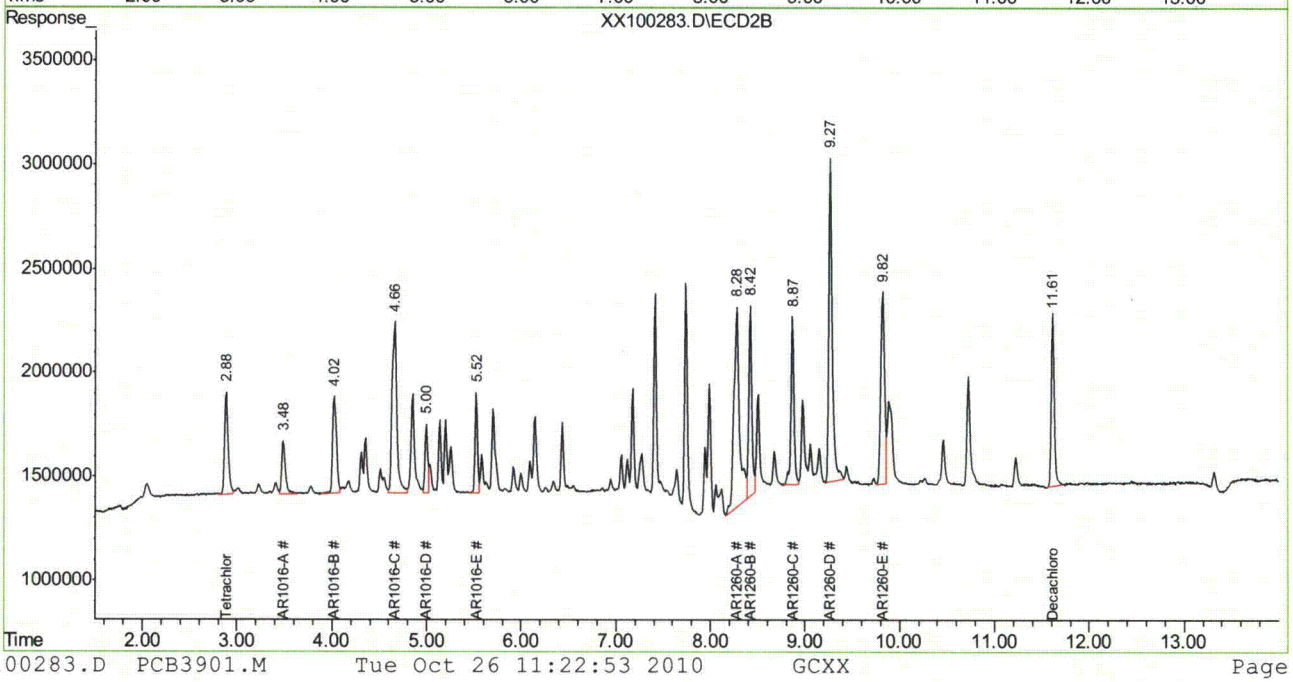
Quantitation Report

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





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

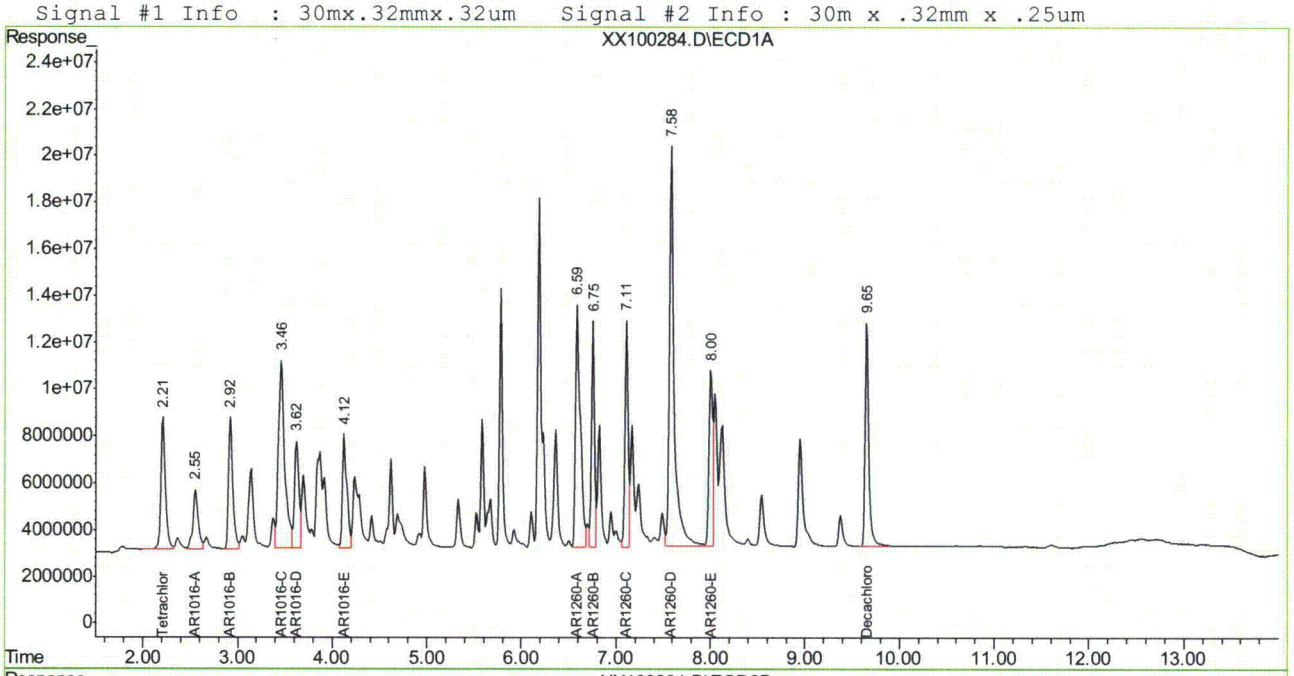
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100284.D PCB3901.M Tue Oct 26 11:23:25 2010 GCXX

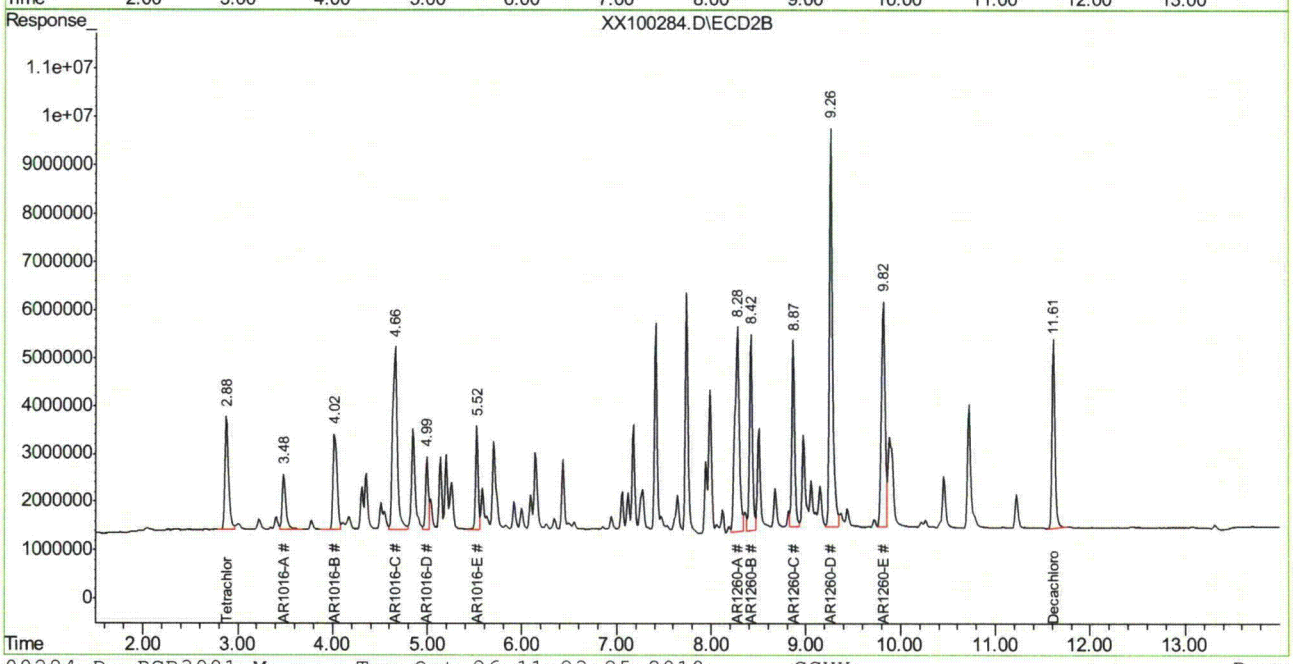
Quantitation Report

```
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
```





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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	2.21	2.88	369.5E6	121.9E6	19.280	18.281
Spiked Amount	40.000			Recovery	=	48.20%	45.70%
51) S	Decachlorobiphen	9.65	11.61	485.3E6	157.3E6	20.980	18.322
Spiked Amount	40.000			Recovery	=	52.45%	45.80%
	Target Compounds						
41)	AR1016-A	2.55	3.48	191.5E6	59237763	511.866	484.272
42)	AR1016-B	2.92	4.02	346.1E6	114.3E6	486.012	461.973
43)	AR1016-C	3.46	4.66	743.1E6	249.4E6	476.756	457.066
44)	AR1016-D	3.62	5.00	287.7E6	59402119	484.307	430.988
45)	AR1016-E	4.12	5.52	308.2E6	76350444	477.703	457.071
46)	AR1260-A	6.58	8.28	750.5E6	262.6E6	478.813	456.645
47)	AR1260-B	6.75	8.42	428.9E6	156.8E6	447.335	451.368
48)	AR1260-C	7.11	8.87	451.0E6	155.2E6	464.075	473.082
49)	AR1260-D	7.58	9.26	1226.3E6	373.1E6	504.216	474.552
50)	AR1260-E	8.00	9.82	416.3E6	249.6E6	445.035	464.739

10.6.82 10

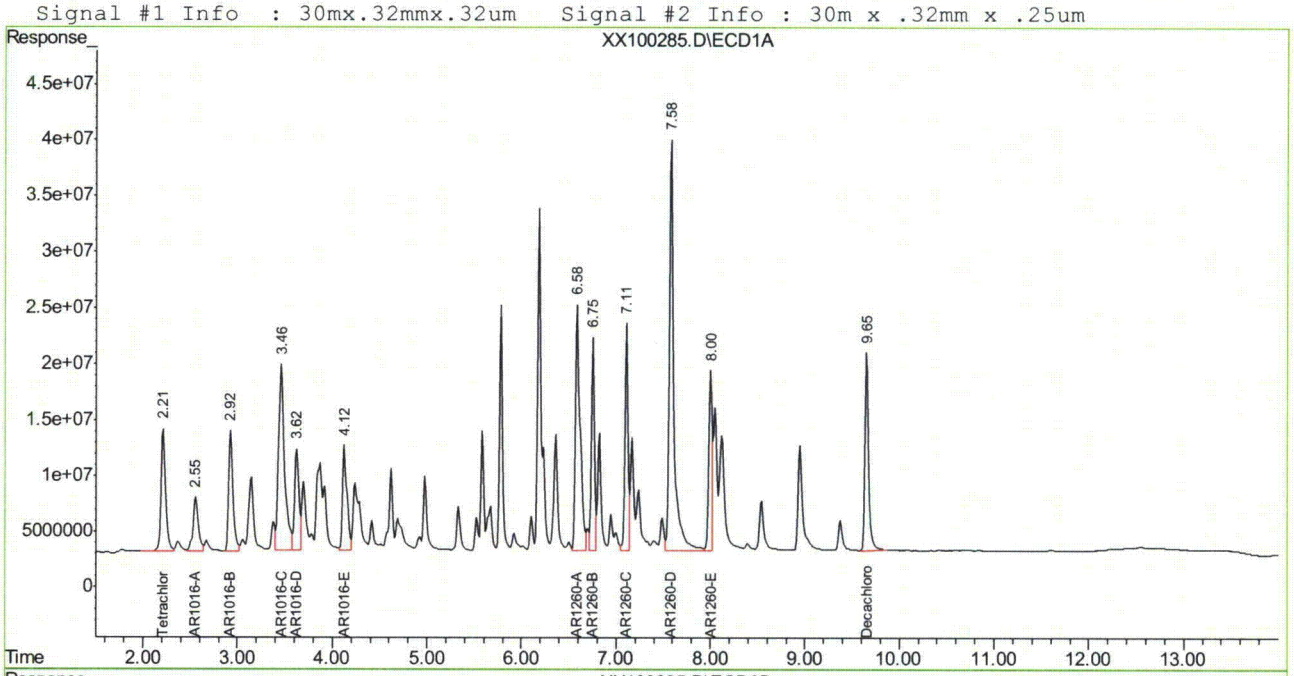
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100285.D PCB3901.M Tue Oct 26 11:23:54 2010 GCXX

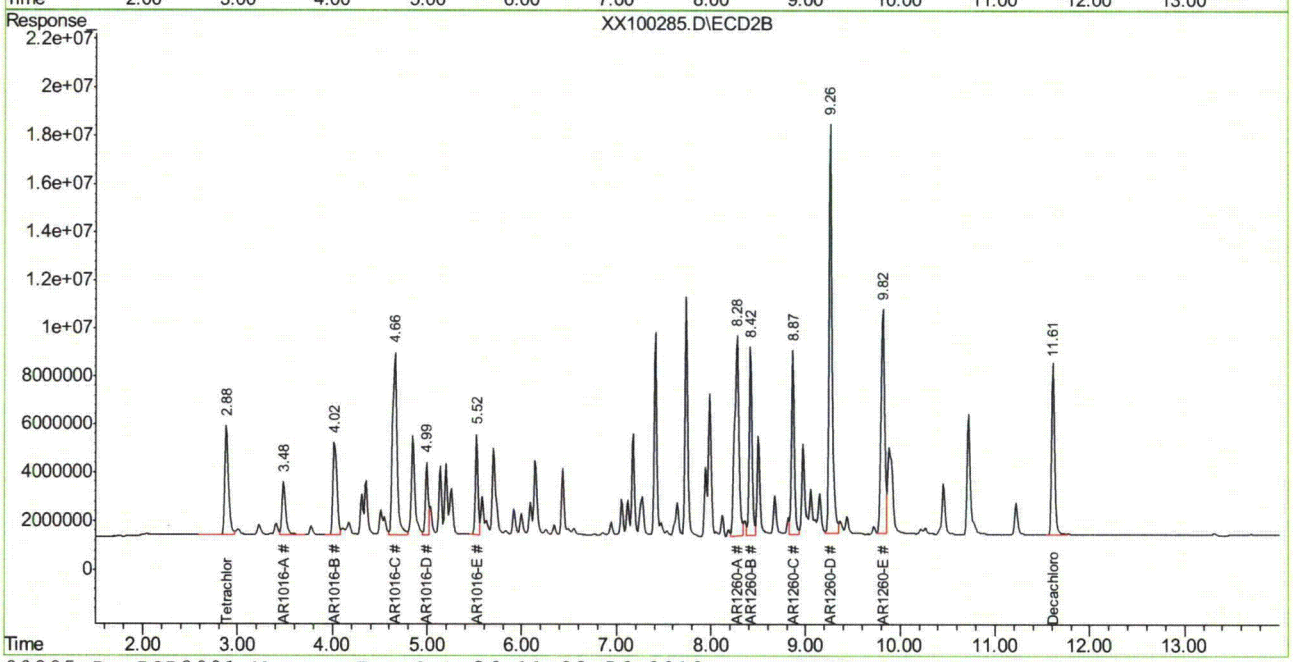
Quantitation Report

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





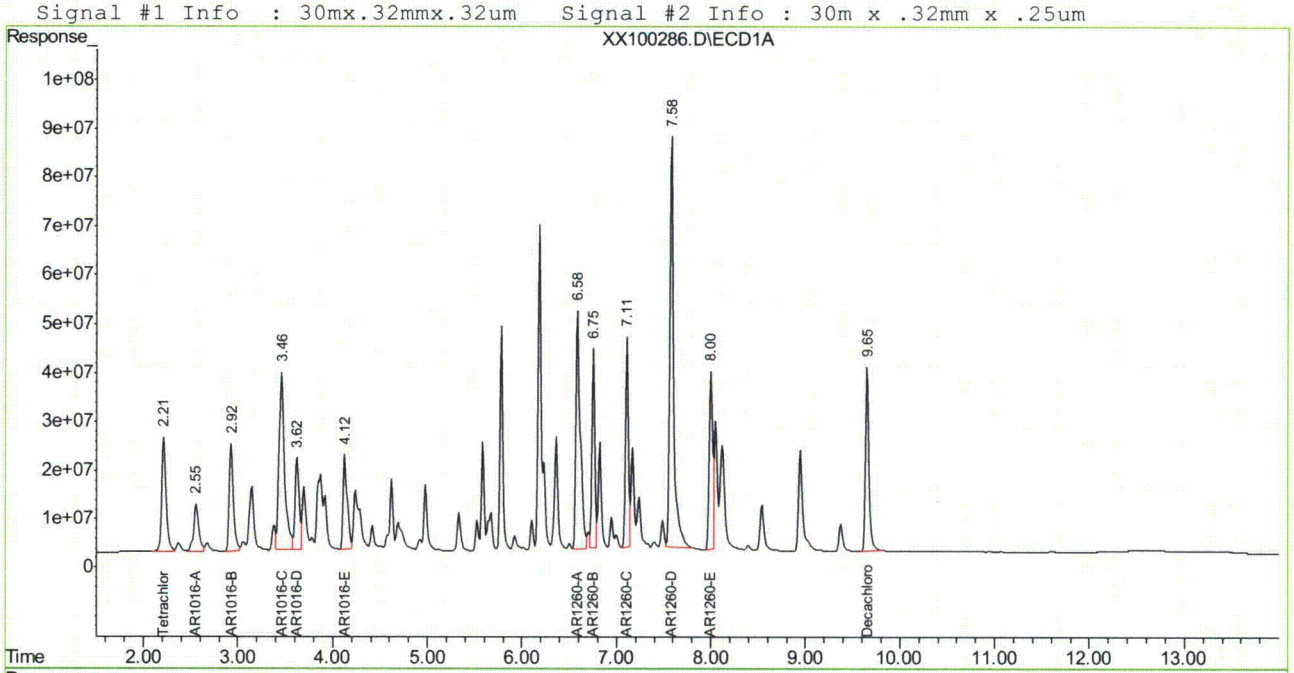
10.6.82 10

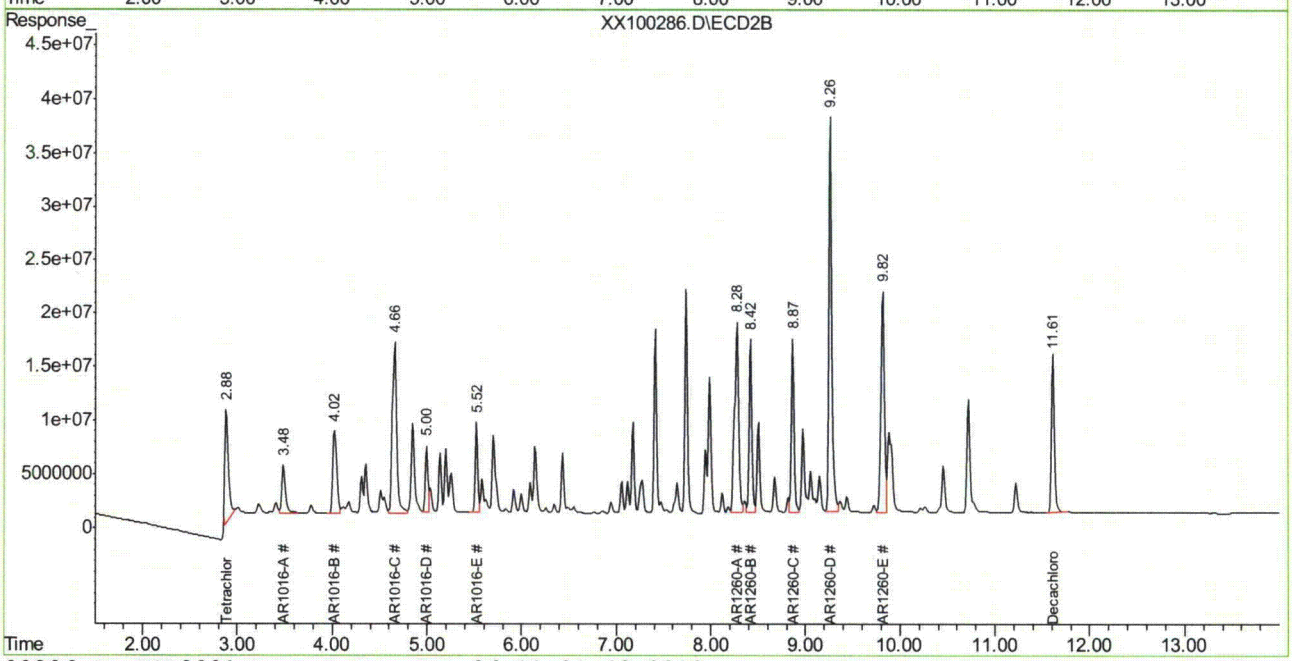
Quantitation Report

```
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
```





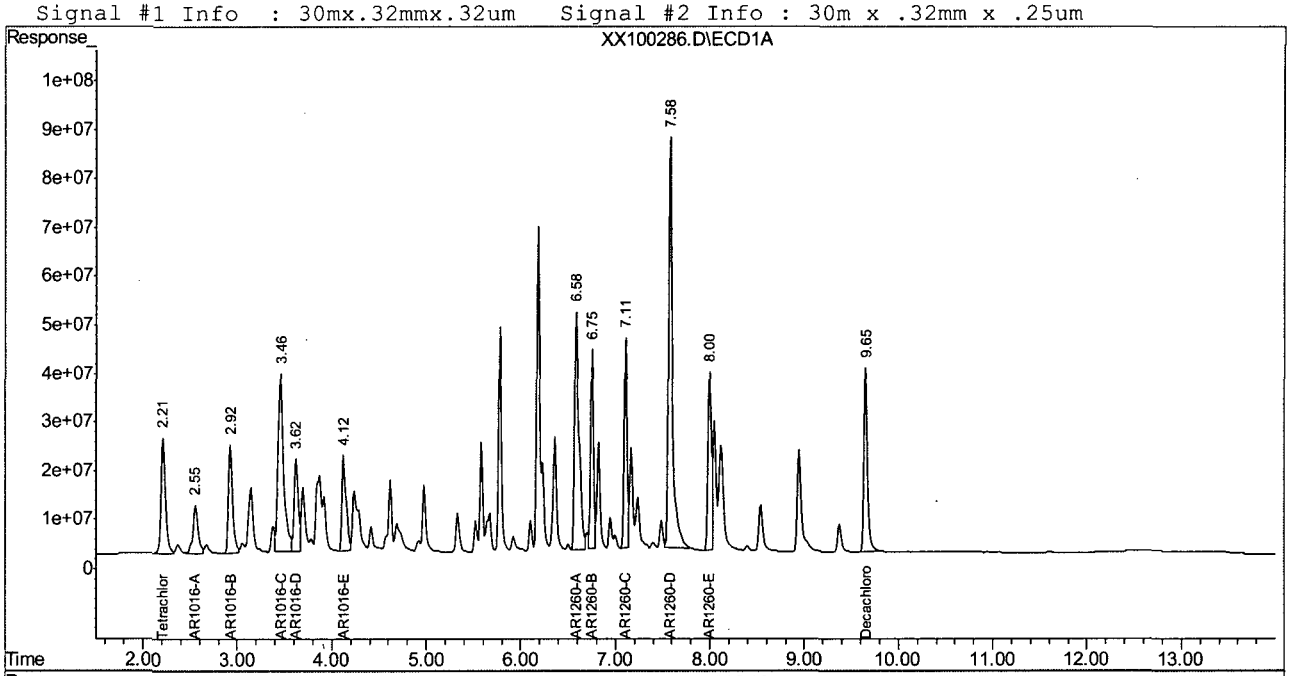
10.6.83 10

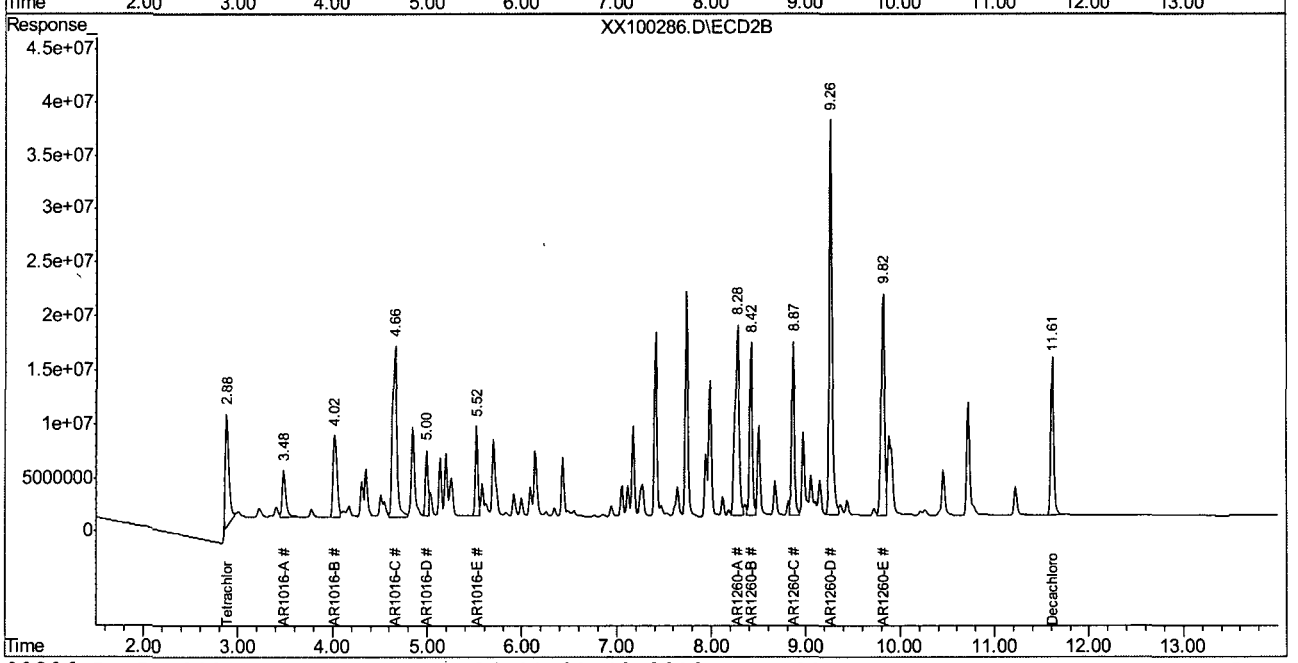
Quantitation Report

```
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

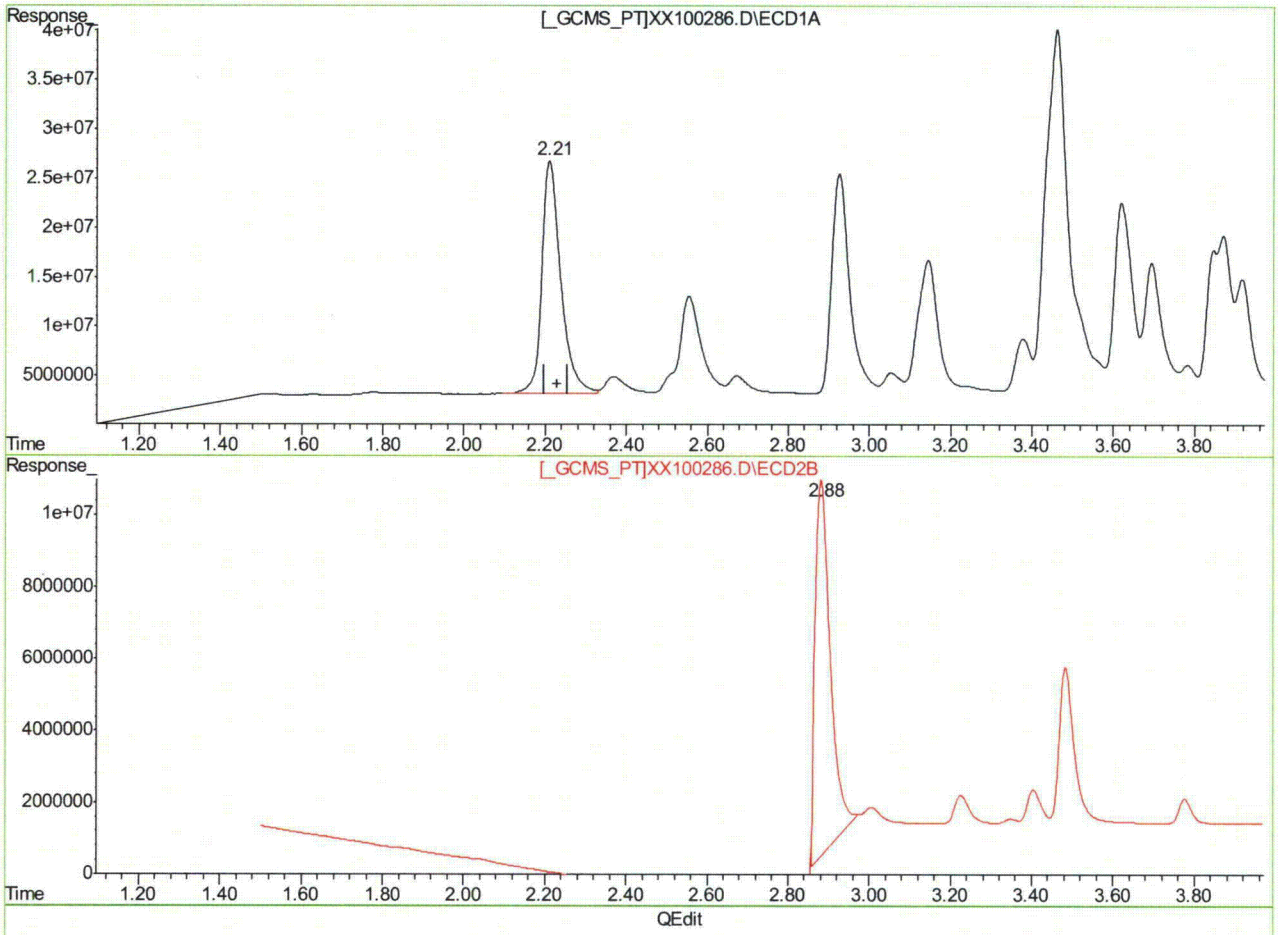
Sample Number:	GXX3901-ICC3901	**Method:**	SW846 8082
Lab FileID:	XX100286.D	**Analyst approved:**	10/26/10 11:42 Anna Zuk
Injection Time:	10/25/10 19:48	**Supervisor approved:**	10/26/10 11:54 Owen McKenna

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	2.21	2.88	1770.6E6	529.6E6	92.378	79.410
Spiked Amount	40.000			Recovery	=	230.94%	198.53%
51) S	Decachlorobiphen	9.65	11.61	2012.4E6	639.0E6	86.999	74.446
Spiked Amount	40.000			Recovery	=	217.50%	186.11%
	Target Compounds						
41)	AR1016-A	2.56	3.48	662.4E6	223.8E6	1770.588	1829.350
42)	AR1016-B	2.93	4.02	1383.3E6	445.7E6	1942.481	1800.801
43)	AR1016-C	3.46	4.66	3186.5E6	1022.4E6	2044.341	1873.592
44)	AR1016-D	3.62	5.00	1187.1E6	242.0E6	1998.527	1755.693
45)	AR1016-E	4.12	5.52	1249.3E6	308.7E6	1936.590	1847.807
46)	AR1260-A	6.58	8.28	3320.7E6	1073.7E6	2118.551	1867.487
47)	AR1260-B	6.75	8.42	1827.7E6	622.0E6	1906.249	1790.640
48)	AR1260-C	7.11	8.87	1960.3E6	628.5E6	2017.024	1916.442
49)	AR1260-D	7.58	9.26	5268.2E6	1579.9E6	2166.106	2009.311
50)	AR1260-E	7.99	9.82	2011.2E6	1060.3E6	2150.092	1974.128

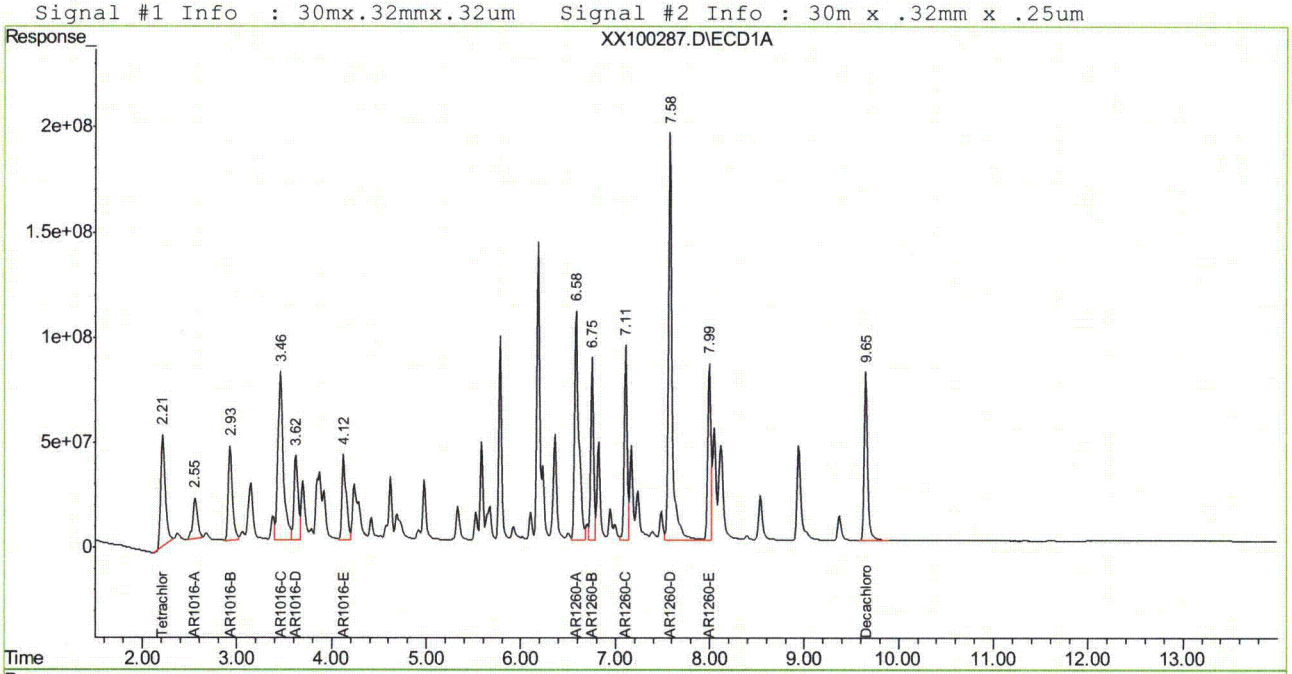
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100287.D PCB3901.M Tue Oct 26 11:24:31 2010 GCXX

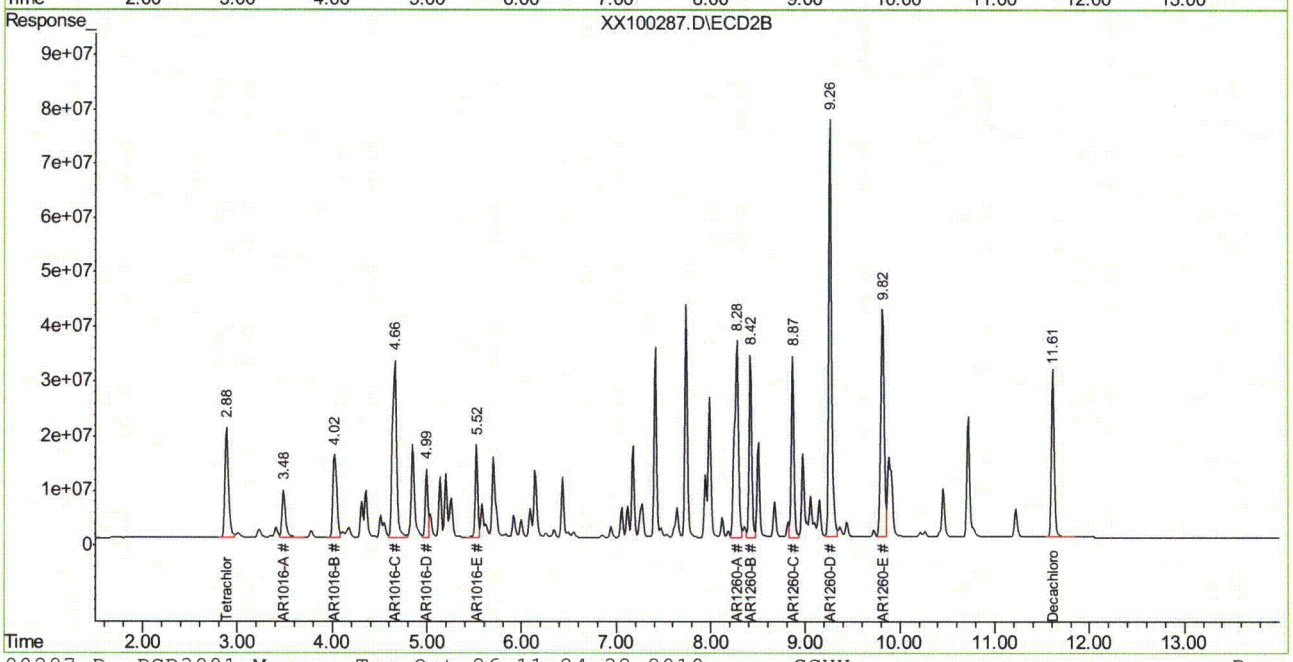
Quantitation Report

```
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
```





10.6.84 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

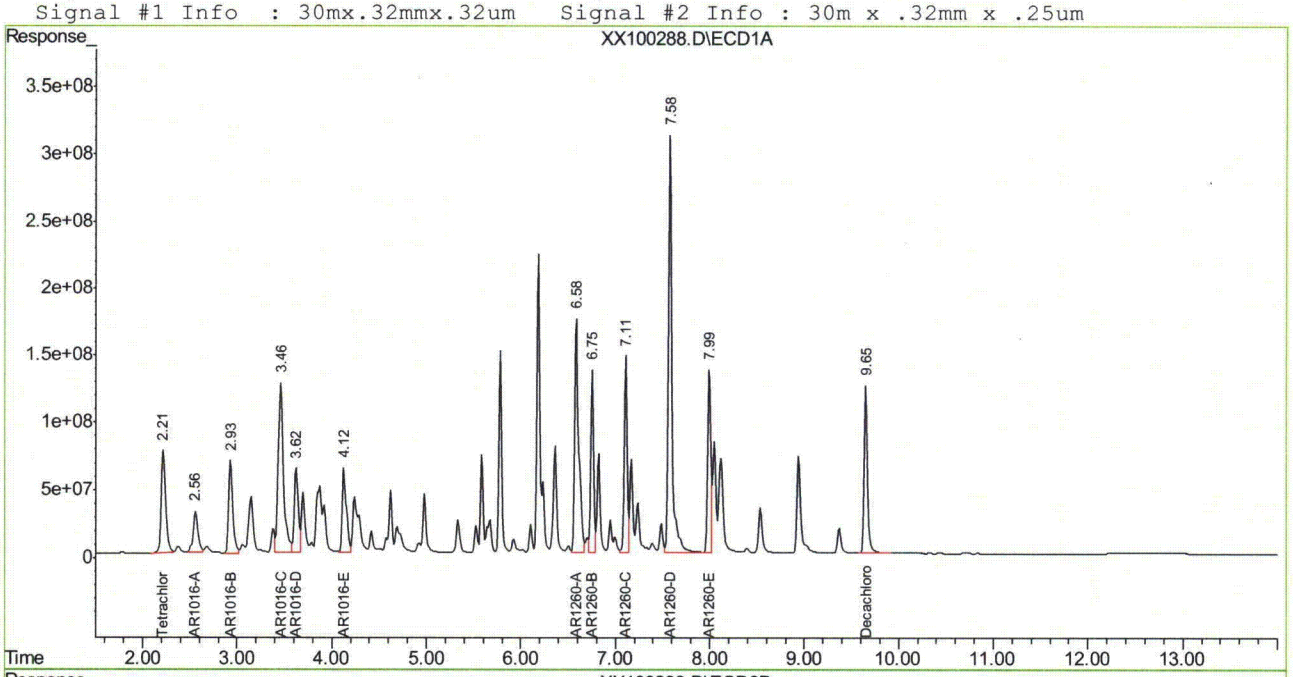
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100288.D PCB3901.M Tue Oct 26 11:25:01 2010 GCXX

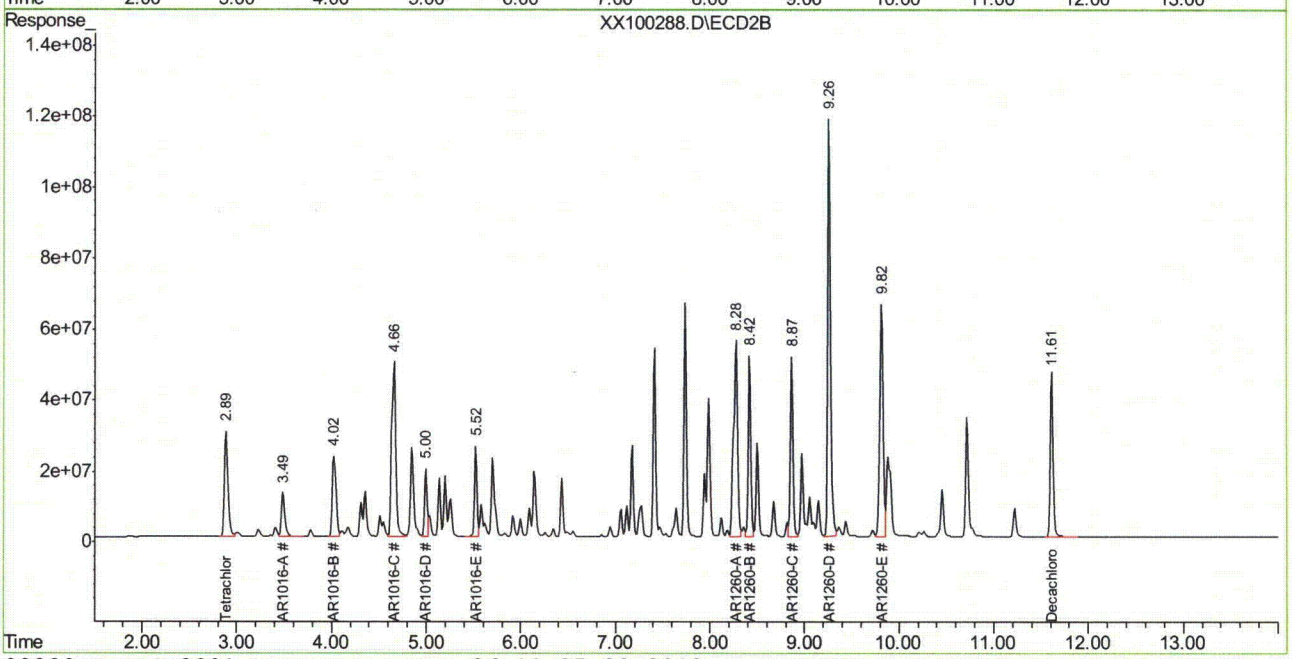
Quantitation Report

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

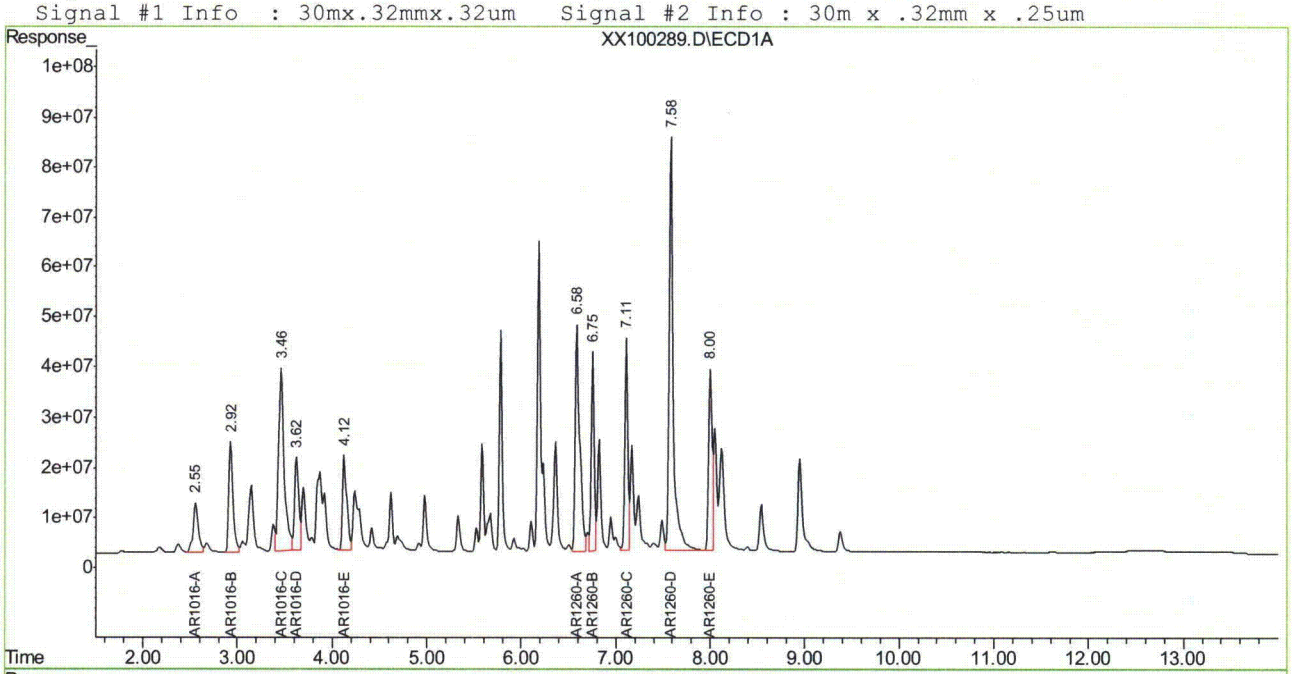
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100289.D PCB3901.M Tue Oct 26 11:28:08 2010 GCXX

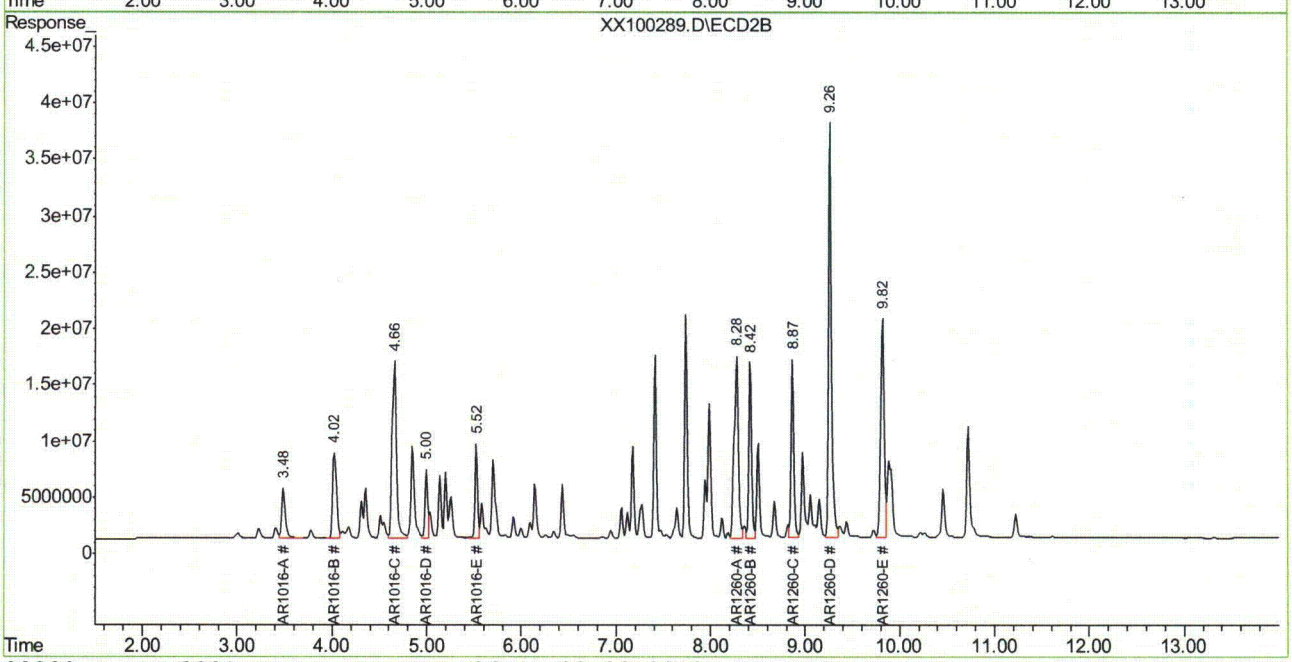
Quantitation Report

```
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
```





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

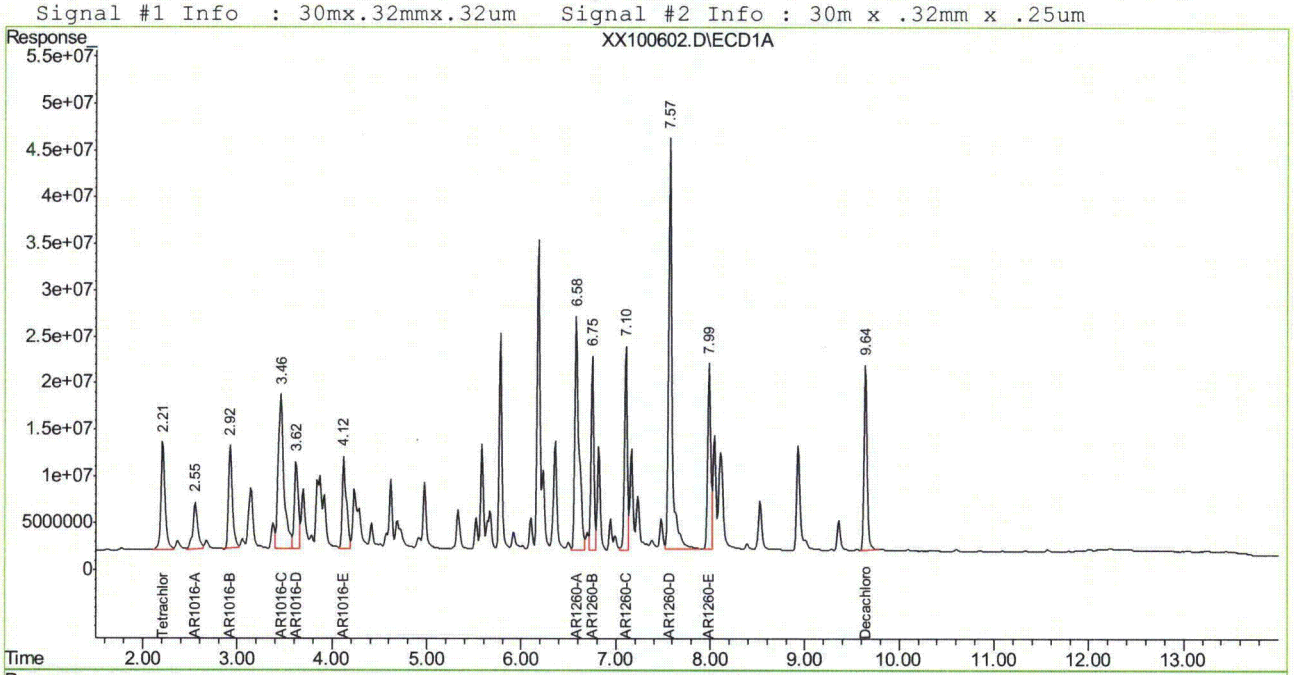
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100602.D PCB3901.M Wed Nov 03 14:42:41 2010 GCXX

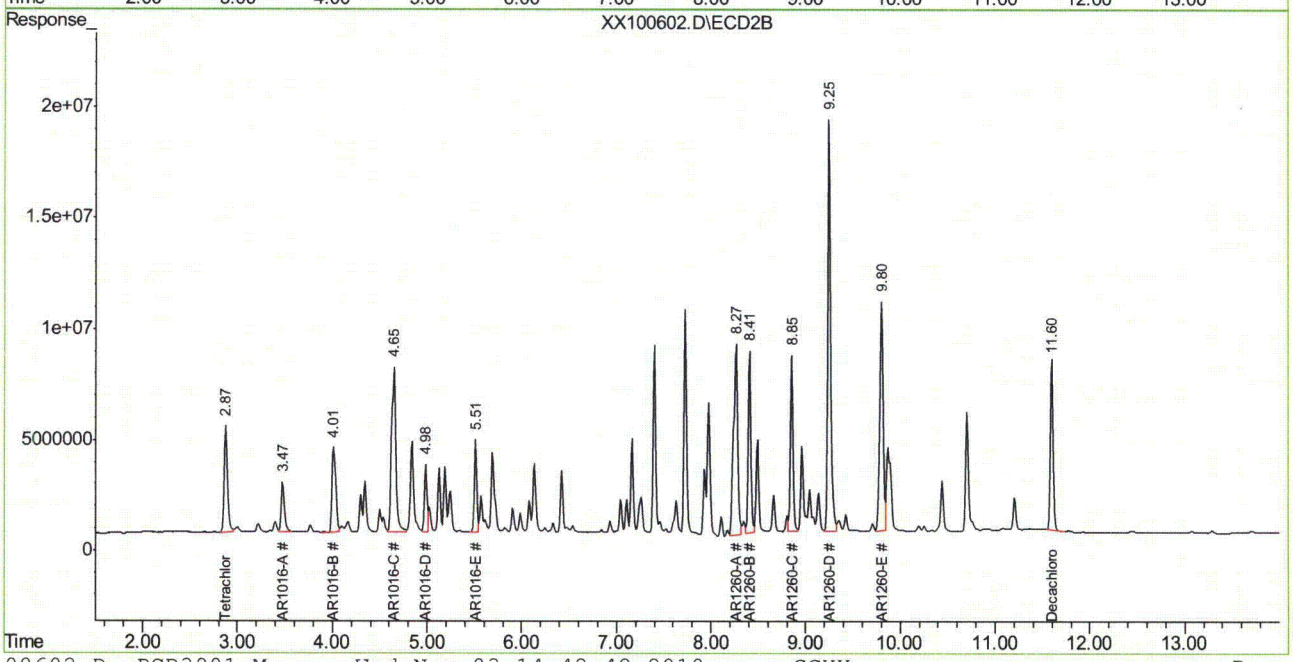
Quantitation Report

```
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
```





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

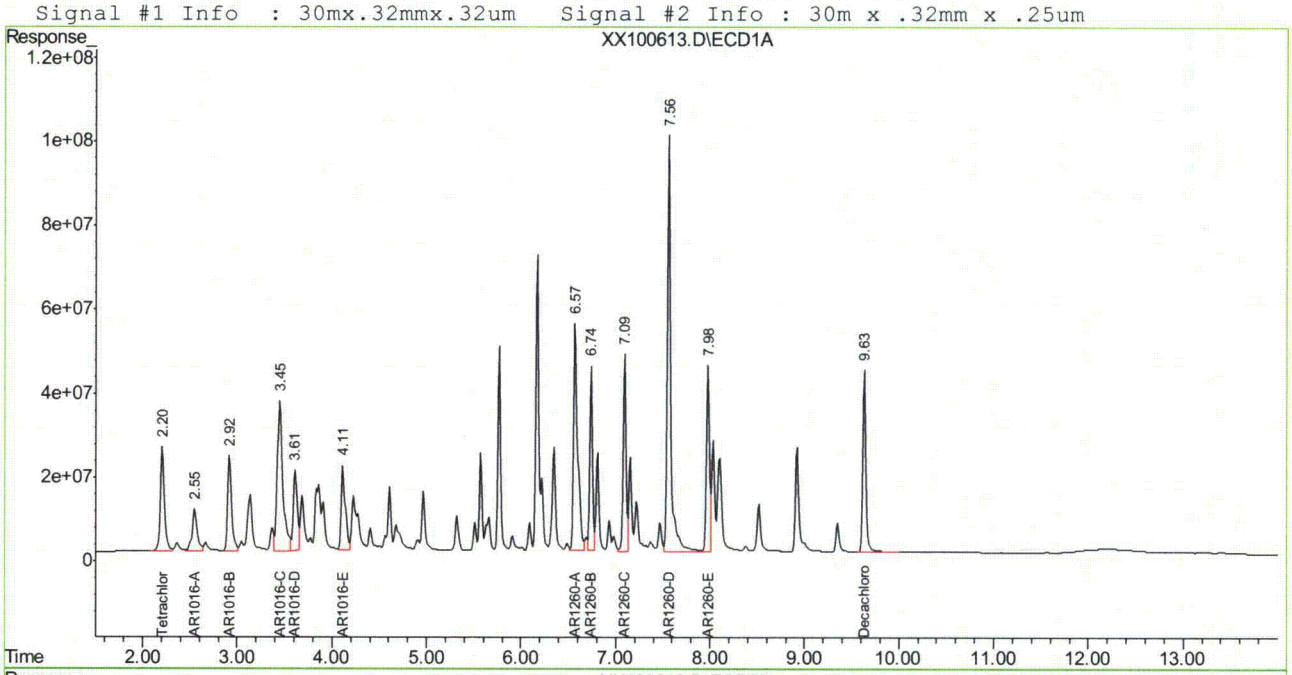
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.
XX100613.D PCB3901.M Wed Nov 03 15:15:18 2010 GCXX

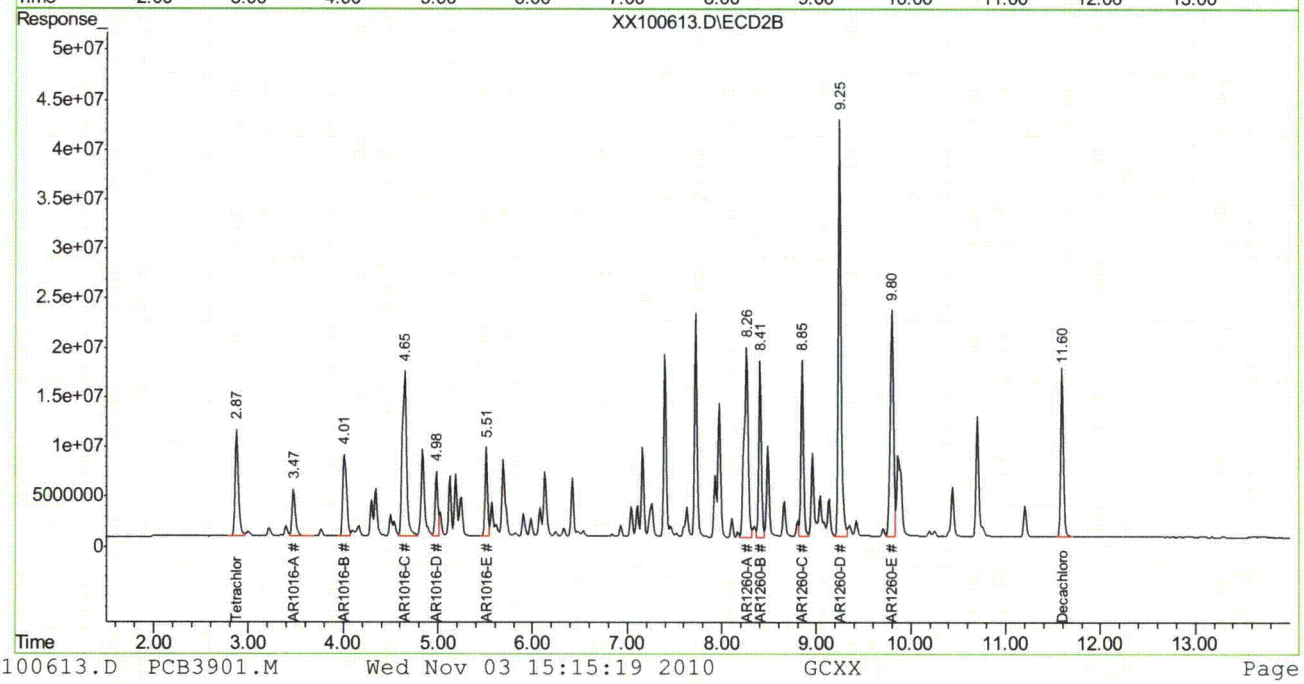
Quantitation Report

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





ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G162127

Date: 4/1/10

Analyst Signature: [illegible]

Columns: RTXCLPE/RTXCLPE5

Method: 8081

Initial Cal. Method: [illegible] 4/1/10

Injection Volume: 1uL

Date Archived:

Standard Data

Lot #	Description	Conc.
W-546-33	Toxaphene	500ppb
-80	chlordane	↓
-16	Tox 2nd	
-17	Chl 2nd	
-43	PBM	100ppb
-37	PCB 1016	200ppb
W91-134	Pest mix 2nd	25ppb

Standard Data

Lot #	Description	Conc.
SV W-491-41A	1st mix	100 ppb
-546-74	↓	50
-458		25
-459		10
-491-8E		5
-41F		2
-716		1

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: [illegible] Date: 4/2/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	1658356	~~CC2127-001~~ 4/1/10				1			✓	ok	
	357	EO				2			✓	ok	
	358	IC2127-1	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	IC2127-500	Toxaphene			10				not injected	vial empty
	366	-500	Chlordane			11				↓	↓
	367	ICV2127-25	2nd S.C.			12				ok	
	368	IC2127-500	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

Form: OR016-05

Rev. Date: [illegible]

181

10.7.1 10

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC1G
Method: SW846 8081A

	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]

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC1G
Method: SW846 8081A

	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.

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G1G2128

Date: 11/1/10

Analyst Signature: [illegible]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SW 10-946-424	Pest mix	10µg
-427	↓	75µg
-27	PSB14	20µg

Columns: RTX-CLP/RTX-CLP II

Method 8081

Initial Cal. Method 1858 2127

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: [illegible] Date: 11/2/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	1658 370	CC2127-10				15			✓	ok	
	371	FB				16			✓	ok	
	372	OP46429-MS	46429-1	8081	S	17			✓	ok	
	373	-MSD				18			✓	ok	
	374	OP46357-MB1	46352-1	8081	S	19			✓	ok	
	375	-BS1				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	-7				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

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G1G2128

Date: 14/1/10

Analyst Signature: [illegible]

Standard Data				Standard Data		
Lot #	Description	Conc.		Lot #	Description	Conc.
			W	L-346-48	Pest mix	10ug
				-48	↓	25ug
				-37	PCB 16	20ug

Columns: RTX-CLP I / RTX-CLP II

Method: SOP 1

Initial Cal. Method: 1655127

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: [illegible] Date: 14/1/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	1655389	JA58750-11	46352-1	8081	S	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	S	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 low LIS
	401	FB				38			/	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

185

Form: OR016-05

Rev. Date: 10/20/04

10.7.2 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1826

Date: 9/24/10

Analyst Signature: JRaff

Columns: RTX-CLP1/RTX-CLP1

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.
SV10-S46-19D	Ar1016/1260	3000ppb
AC		2000
3B		1000
3A		500
1B		250
1A		50
SV10-S41-129	ICV	1000

Standard Data

Lot #	Description	Conc.
SV10-S46-15	Ar1221	1000ppb
SV10-S41-121	1232	
122	1242	
123	1248	
124	1254	
125	1262	
126	1268	

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	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	3G49418	1B01			W	21	1		/	ok	SV10-S46-20
	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	1CC1826-1000				32	1		/	ok	
	49430	1C1826-2000				33	1		/	ok	
	49431	3000				34	1		/	ok	
	49432	ICV 1826-1000				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

RETENTION TIME WINDOW DETERMINATION

Instrument ID: GC3G
Method: SW846 8082

	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.

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1851

Date: 10/26/10

Analyst Signature: [signature]

Columns: RTXCLP1/RTXCLP11

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0ul

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV10-SW-44A	A/1016/1260	500ppb
44B	1	1000
37	B	200
J32E20		
~~J33E20~~	Hexane (Baker)	

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	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	365277	CC1826-500			W	1	1		✓	OK	
R	50278	op46323-mb1	46323-1	8082	S	2	1		✓	OK	
R	50279	lb1				3	1		✓	OK	
R	50280	JA59485-34	46321-1			4	50		–	OK	
R	50281	37				5	50		–	OK	
R	50282	40				6	50		–	OK	
R	50283	42				7	50		–	not run	sig 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	LB01				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

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: 636/851

Date: 10/26/10

Analyst Signature: [illegible]

Columns: RTX CLP1/RTX CLP1

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0 µL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
910-346-44A	Ar1016/1260	500 mb
44B		1000
37	IB	20
538620	Hexane (Baker)	

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: [illegible] Date: 6/27/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
R	50296	JA59485-51	46321-1	8082	S	20	1		✓	OK	
R	50297	53				21	1		✓	OK	
R	50298	~~JA59465-1~~ 42	~~46321-1~~			22	50		—	OK	
	50299	CC1826-500			W	23	1		DCB/TCL ✓	OK	
	50300	IB02				24	1		✓	OK	
	50301	op46343-mb2	46343-2			25	1		✓	OK	
	50302	bs2				26	1		✓	OK	
	50303	JA59574-6MB				27	1		✓	OK	
	50304	JA59281-1	46314-1		S	28	1		✓	OK	
R	50305	JA59165-1	46324-1			29	20		—	OK	
	50306	JA59199-22	46314-1			30	1		✓	OK	
	50307	JA59430-MB	46343-1		W	31	1		✓	OK	
	50308	~~JA59411-1~~	46308-1	8082	S	32	1		✓	OK	
	50309	JA58750 ~~JA59411-5~~	46353-1		S	33	1		✓	OK	
	50310	CC1826-1000			W	34	1		✓	OK	Ar1260-D 4ISt
	50311	IB03				35	1		✓	OK	
	50312	op46353-mb1				36	1		✓	OK	
	50313	bs1				37	1		✓	OK	
	50314	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

155

Form: OR016-05

Rev. Date: 10/20/04

10.7.4 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: G3G1851

Date: 10/26/10

Analyst Signature: J Roff

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
S 10-SL-44A	Ar1016/1260	500 ppb
44B	1	1500
37	B	200

Columns: RTX CLP I / RTX CLP II

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: 10/27/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	3650315	OP46353-MSD JA58750	463531	8082	S	39	1		✓	OK	
	50316	JA58750-11				40	1		✓	OK	
	50317	1				41	1		✓	OK	
	50318	2				42	1		✓	OK	
	50319	3				43	1		✓	OK	
	50320	4				44	1		✓	OK	Ar1260 1st Ar1260-07 both
	50321	PCB 1826-500			W	45	1		PCB 1826 500 2mL	OK	Ar1260 1st Ar1260-07 both
	50322	1B04				46	1		✓	OK	
	50323	JA58750-6			S	47	1		✓	OK	
	50324	8				48	1		✓	OK	
	50325	9				49	1		✓	OK	
	50326	10				50	1		✓	OK	
	50327	11				51	1		✓	OK	
	50328	12				52	1		✓	OK	
	50329	13				53	1		✓	OK	
	50330	14				54	1		✓	OK	
	50331	15				55	1		✓	OK	
	50332	PCB 1826 1000			W	56	1		✓	OK	Ar1260-07 1st
	50333	1B05				57	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

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: JPaff

Columns: RtxCLP1/RtxCLP11

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1 ul

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5410-54644A	Aroclor 1260	500 ppb
46		100
37	13	20
B2E20	Hexane (Baker)	

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	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	36 50334	CC1826-800			W	58	1		✓	OK	
	50335	1B01				59	1		✓	OK	
R	50336	op46324-ms	46324-1	8082	O	60	1			not using	Double acid cleanup Report original run
R	50337	MSD				61	1				
R	50338	JA49408-1				62	1				
	50339	op46308-mb2	46308-2		S	63	1		✓	OK	
	50340	bs2				64	1		✓	OK	
	50341	op46256-mb2	46256-2			65	1		✓	OK	
	50342	bs2				66	1		✓	OK	
	50343	JA59791-1				67	1		✓	OK	
	50344	2				68	1		✓	OK	
	50345	CC1826-1000				69	1		✓	OK	
	50346	1B02				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	JA58625-7A	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

159

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: [illegible]

Columns: RTX(CL)/RTX(CL)11

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
S10546-440	Ar1016/1260	500 ppb
448		1000
37	1B	20

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: [illegible] Date: 10/28/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	26.50353	JA59349-1	46353-1	8082	S	77	1		✓	OK	
	50354	3				28	1			not using	RR with TBA Cleanup
	50355	JA58750-7				79	1		✓	OK	
	50356	CC1826-500			W	80	1		DB ATBT	OK	
	50357	1B03				1	1		✓	OK	
	50358	op46343-ms	46343-1			2	1		✓	OK	
	50359	msD				3	1		✓	OK	
	50360	JA59411-8				4	1		✓	OK	
	50361	JA59199-14	46314-1		S	5	1		✓	OK	RRat 20%
	50362	16				6	1		✓	OK	85%
	50363	18				7	1			not run	changed seq
	50364	20				8	1		✓		
	50365	CC1826-1000			W	9	1		✓	OK	
	50366	op46361-mbl	46361-1			10	1		✓	OK	
	50367	bsl				11	1		✓	OK	
	50368	ms				12	1		✓	OK	
	50369	msD				13	1		✓	OK	
	50370	JA59420-1				14	1		✓	OK	
	50371	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: [illegible]

Columns: RTX-CLP / RTX-CLP II

Method 8082

Initial Cal. Method PCB1826

Injection Volume: 1.0 µL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
S110-S16-148	Arlo/1260	50000
148	1	1000
37	1B	20

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: [illegible] Date: 10/28/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	36 50372	JA59420-3	46361-1	8082	W	16	1		✓	OK	
	50373	4				17	1		✓	OK	
	50374	SEB				18	1		✓	OK	
	50375	7				19	1		✓	OK	
	50376	CC1826-500				20	1		✓	OK	Ar1260-DHLSt
	50377	1B04				21	1		✓	OK	
	50378	JA59420-8				22	1		✓	OK	
	50379	9				23	1		✓	OK	
	50380	JA59543-9				24	1		✓	OK	
	50381	10				25	1		✓	OK	
	50382	JA59544-27AFB				26	1		✓	OK	
	50383	44A				27	1		✓	OK	
	50384	JA59411-12 FB / ~~JA58750-16~~	46343-1 / ~~46343-1~~		~~S~~	28	1		✓	OK	
	50385	JA58750-17	46343-1		S	29	1		✓	OK	
	50386	18				30	1		✓	OK	
	50387	FCC1826-1000				31	1		✓	OK	Ar1260-DHLSt
	50388	1B05				32	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

163

Form: OR016-05

Rev. Date: 10/20/04

10.7.5 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2389

Date: 11/02/10

Analyst Signature: Amna Zuk

Standard Data

Lot.#	Description	Conc.
SV10-546-19A	Ar. 1016/1260 Std.	50 ppb
-19B		250 ppb
-19C		2000 ppb
-19D		3000 ppb
-15	Ar. 1221 Std.	1000 ppb
SV10-491-111	Ar. 1232 Std.	1000 ppb
-122	Ar. 1242 Std.	1000 ppb

Standard Data

Lot #	Description	Conc.
SV10-546-44A	Ar. 1016/1260 Std.	500 ppb
-44B		1000 ppb
-37	IB	20 ppb
SV10-491-123	Ar. 1248 Std.	1000 ppb
-124	Ar. 1254 Std.	1000 ppb
-125	Ar. 1262 Std.	1000 ppb
-126	Ar. 1268 Std	1000 ppb

Columns: ZB5MS/ZB170IP

Method 8082

Initial Cal. Method PCB 2382/2389

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:** 11/31/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	OA68321	CC2382-500				1	1		TNX IXOV 1st	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

91

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

10.7.6 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2391

Date: 11/03/10

Analyst Signature: Anna Zuk

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU10-546-44A	Arr. 1016/1260 Std.	500ppb
-44B		1000ppb
-37	IB	20ppb
J32E20	Hexane (Baker)	

Columns: ZB5MS/ZB170 IP

Method 8082

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:** 11/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	OA68369	CC2389-1000				1	1		✓	OK	
	370	IB				2	1		✓	OK	
R	371	JA59699-15	46442.1	8082	S	3	1		✓	OK	
R	372	-16				4	1		✓	OK	
R	373	-18				5	1		✓	OK	
	374	-19				6	1		✓	OK	
	375	-20				7	1		✓	OK	
	376	-21				8	1		Test PCB	OK	OK for NP
	377	AZ 11/10 JA59699-9				9	5		✓	OK	
	378	OP46406-MB1	46406.1	8082	W	10	1		✓	OK	
	379	-BS1				11	1		✓	OK	
	380	CC2389-500				12	1		✓	OK	
	381	IB				13	1		✓	OK	
	382	JA58919-1				14	1		✓	OK	
	383	-3				15	1		✓	OK	
	384	-6				16	1		✓	OK	
	385	-7				17	1		✓	OK	
	386	-8				18	1		✓	OK	
	387	-9				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

97

Form: OR016-05

Rev. Date: 10/20/04

10.7.7 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GOA 2391

Date: 11/03/10

Analyst Signature: Anna Zuk
AZ 4/04/10

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV10-56-54	Ar. 1016/1260 std.	500ppb
-56B		1000ppb
-37	IB	20ppb

Columns: ~~SFXE~~ ZB5MS/ZB170 IP

Method 8082

Initial Cal. Method PCB2389

Injection Volume: 1.0µl

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:** 11/11/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	OA 68388	JA58919-10	46406.1	8082	W	20	1		✓	OK	No.
	389	-11				21	1		✓	OK	
	390	JA58750-2 ~~OP46406-LS1~~				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~~				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

99

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

10.7.7 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3143

Date: 5/3/10

Analyst Signature: [illegible]

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HWW3143

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.
5084-1287	1B	400ppb

Standard Data

Lot #	Description	Conc.
5110-191-2A	Herb Std	500ppb
2B		400
2C		300
2D		200
2E		100
2F		50
5	ICV	300

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: [illegible] Date: 5/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	MALS #	Dilution	IS	SU	Status (Data)	Comments
	WW190006	1B01			W	1	1		✓	OK	
	890007	1C3143-500				2	1		✓	OK	
	890008	400				3	1		✓	OK	
	890009	1C3143-300				4	1		✓	OK	
	890010	1C3143-200				5	1		✓	OK	
	890011	100				6	1		✓	OK	
	890012	50				7	1		✓	OK	
	890013	ICV3143-300				8	1		✓	~~not OK~~ ~~wrong standard~~	2,4-D, dichlorophenol fail
	30E5130										

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

141

Form: OR016-05

Rev. Date: 10/20/04

10.7.8 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3144 4

Date: 5/4/10

Analyst Signature: [signature]

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HGWW3143

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5V0417-147B	Herb Std	350 ppb
5 L 147A		200
5V10-491-6	ICV	350
5V09-414-87	IB	400
5V10-491-72	Herb ICV Std	300

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	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	~~800025~~ GWW90025	CC3143-300			W	20	1		✓	OK	
	GWW80026	ICV3143-300				1	1		—	OK	dichlorprop fail, OK per 24-08
	80027	op43369-mb2	43369-2	8151		21	1		✓	OK	
	80028	bs2		TCLP		22	1		✓	OK	
	80029	lb12				23	1			not run	changed seq.
	80030	JA45318-1				24	1		✓	OK	
	80031	2				25	1		✓	OK	
R	80032	~~op43235-mb2~~	43285-2			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-mb2
	80036	~~3~~				30	1		✓	OK	bs2
	80037	CC3143-200				31	1		✓	OK	
	80038	ICV3143-300				32	1		—	OK	
	80039	op43346-mb1	43346-1	FL	S	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

147

Form: OR016-05

10.7.9 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3144

Date: 5/4/10

Analyst Signature: JRoff

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
3V9-417-MB	Herb std	300 ppb
187	113	400 ppb

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HWW3143

Injection Volume: 10 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: [illegible] Date: 5/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW80044 3V27MB	3P44369-UB10	44369-1	8151	W	38	1		✓	OK	
	80045	UB12	44369-2	TCLP		39	1		✓	OK	
	80046	CS4	44369-1			40	1		✓	OK	
	80047	0P43235-UB11	43235-2			41	1		✓	OK	
	80048	BC3143-350				42	1		✓	OK	
	80049	1BD1				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

149

Form: OR016-05

10.7.9 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3331

Date: 10/19/10

Analyst Signature: [illegible]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
SMO-SV6-398	Herb Std	200 ppb
398	1	380
2	1B	400

Columns: RTX-CLP1/RTX-CLP2

Method 8151

Initial Cal. Method HWW3413

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: [illegible] Date: 10/20/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WWA5222	CC3143-200			W	1	1		✓	OK	2,4,5-TMS
	95223	1B01				2	1		✓	OK	
	95224	op46195-mb1	46195-1	8151	S	3	1		✓	OK	
	95225	bs1		STD		4	1		✓	OK	
	95226	JA58750-1				5	1		✓	OK	
	95227	5				6	1		✓	OK	
	95228	7				7	1		✓	OK	
	95229	8				8	1		✓	OK	
	95230	10				9	1		✓	OK	
	95231	17				10	1		✓	OK	
	95232	C12872-5				11	1		✓	OK	
	95233	CC3143-300			W	12	1		✓	OK	
	95234	op46115-mb2	46115-2	TCLP		13	1		✓	OK	
	95235	bs2				14	1		✓	OK	
	95236	JA58044-5				15	1		✓	OK	
	95237	6				16	1		✓	OK	
	95238	7				17	1		✓	OK	
	95239	op46113-4B8	461133			18	1		✓	OK	
	95240	4B10				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

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: S Raff

Columns: RTXCLP1/RTXCLP2

Method 8151

Initial Cal. Method HWW3143

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV10-916-39A	Herb Std	200ppb
L2	IB	400uL

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: [illegible] Date: 10/20/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW9524	946114-CB9	46114-3	TCLP	W	20	1		✓	OK	
	95242	JA58321-1	461133			21	1		✓	OK	
	95243	JA58222-1				22	1		✓	OK	
	95244	EEC3143-200				23	1		✓	OK	silver trx
	95245	IB02				24	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

31

Form: OR016-05

Rev. Date: 10/20/04

10.7.10 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3332

Date: 10/20/10

Analyst Signature: JRaff

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5410-346-39A	Herb Std	200 ppb
39A	1	200
2	16	400

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HWW3143

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: 10/21/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW95246	CC 3143-300			W	1	1		✓	OK	
	95247	1B01				2	1		✓	OK	
	95248	op46244-mb1	462441	8151		3	1		✓	OK	
	95249	bs1		TCLP		4	1		✓	OK	
	95250	ls8				5	1		✓	OK	
	95251	1B11				6	1		✓	OK	
	95252	JA58681-1				7	1		✓	OK	
	95253	JA58750-18	46195-1	8151	S	8	1		✓	OK	
	95254	9				9	1		✓	OK	
	95255	FCC3143-200			W	10	1		✓	OK	silver + end
	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

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: S Raff

Columns: RTX-CLP/RTX-CLP II

Method 8151

Initial Cal. Method HWW3143

Injection Volume: 1.0ul

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
STD 8146-38	Herb Std	30 ppb
3A		200
2		400

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: [illegible] Date: 10/22/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW85303	CC3143-300			W	1	1		✓	OK	
	95304	op46267-mb1	462671	8151		2	1		✓	OK	
	95305	JA58833-12		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		1/3+	OK	
	95315	1301				13	1		✓	OK	
	95316	op46267-BS1				14	1		✓	OK	
	95317	JA58833-3				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

41

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

10.7.12 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: [illegible]

Columns: RTXCLP1/RTXCLP11

Method 8151

Initial Cal. Method HWW343

Injection Volume: 1.0uL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
5410-96398	Herb Std	200ppb
3PA	1	200ppb
2	1B	40ppb

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: [illegible] Date: 10/22/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW95322	JA58750-2	46195-1	8151	S	20	1		✓	OK	
	95323	3		STD		21	1		✓	OK	
	95324	4				22	1		✓	OK	
	95325	CC3143-350			W	23	1		✓	OK	
	95326	1B02				24	1		✓	OK	
	95327	OP46195-MS			S	25	1		✓	OK	
	95328	MSD				26	1		✓	OK	
	95329	JA58750-6				27	1		✓	OK	
	95330	11				28	1		✓	OK	
	95331	12				29	1		✓	OK	
	95332	14				30	1		✓	OK	
	95333	15				31	1		✓	OK	
	95334	16				32	1		✓	OK	
	95335	JA58900-6EB	46107-3		W	33	1		✓	OK	
	95336	CC3143-200			W	34	1		✓	OK	silver & 2nd
	95337	OP46107-MB3				35	1		✓	OK	
	95338	BS3				36	1		✓	OK	
	95339	JA58900-5EB				37	1		✓	OK	
	95340	~~CC3143-300~~ JA58750-13	46195-1		S	38	1		✓	OK	JA58750-13
	~~95341~~	~~1B03~~				24	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

43

Form: OR016-05

Rev. Date: 10/20/04

10.7.12 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: [illegible]

Columns: RTX CLP1/RTX CLP11

Method 8151

Initial Cal. Method HWW343

Injection Volume: 10 uL

Date Archived:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SW8141B	Herb Std	300 ppb
398	1	200
2	1B	400

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: [illegible] Date: 10/25/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	WW95341	CC3143-300			W	39	1		✓	OK	
	95342	1B03				40	1		✓	OK	
	95343	OP46286-mb1	46286	8151		41	1		✓	OK	
	95344	bs1		TCLP		42	1		✓	OK	
	95345	1b18				43	1		✓	OK	
	95346	JA58944-1				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	OP46286-LB16	46286-1			49	1		✓	OK	
	95352	cc3143-200				50	1		✓	OK	above 2nd
	95353	1B04				40	1		✓	OK	
	95354	OP46286-LB10				51	1		✓	OK	
	95355	JA58261-12UK				52	1		✓	OK	
	95356	1B6				53	1		✓	OK	
	95357	1B2				54	1		✓	OK	
	95358	1B8				55	1		✓	OK	
	95359	1B4				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

10.7.12 10

45

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GWW3334

Date: 10/21/10

Analyst Signature: [illegible]

Columns: RTX-CLP1 RTX-CLP4

Method 8151

Initial Cal. Method GWW3343

Injection Volume: 1.0L

Date Archived:

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
SVO-916-903	Herb Std	300ppb
1 2	1B	400L

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: [illegible] Date: 10/25/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	GWW95360	JA58261-150R	46286-1	8151	W	57	1		✓	OK	
	95361	156		TCLP		58	1		✓	OK	
	95362	162				59	1		✓	OK	
	95363	FCC3143-300				60	1		✓	OK	
	95364	1305				61	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

47

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

10.7.12 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3901

Date: 10/25/10

Analyst Signature: Anna Zuk

Standard Data

Lot #	Description	Conc.
SW10-546-19A	Ar. 1016/1260 Std.	50 ppb
-19B		250 ppb
~~-19C~~		500 ppb
~~-19D~~		1000 ppb
-19C		2000 ppb
-19D		3000 ppb
SW10-546-15	Ar. 1221 Std.	1000 ppb

Standard Data

Lot #	Description	Conc.
SW10-191-121	Ar. 1232 Std.	1000 ppb
-122	Ar. 1242 Std.	1000 ppb
-123	Ar. 1248 Std.	1000 ppb
-124	Ar. 1254 Std.	1000 ppb
-125	Ar. 1262 Std.	1000 ppb
-126	Ar. 1268 Std.	1000 ppb
-129	1016/1260 2n. Src.	1000 ppb

Columns: STXCCP I / STXCCP II

Method 8082

Initial Cal. Method PCB 3901

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:** 10/26/10

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 - 50				9	1		✓	OK	
	284	- 250				10	1		✓	OK	
	285	- 500				11	1		✓	OK	
	286	ICC3901 - 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

75

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

10.7.13 10

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3909

Date: 11/03/10

Analyst Signature: Anna Zuk

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV10-546-4A	Ar.1016/1260 Std.	500ppb
-4B	L	1000ppb
-37	IB	20ppb
J32E20	Hexane (Baker)	

Columns: STXCL PI / STXCL PII

Method 8082

Initial Cal. Method PCB 3901

Injection Volume: 1.0µl

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	JA60032-2	46500.1	8082	S	4	1		✓	OK	
	606	-5				5	1		✓	OK	
R	607	JA59402-4	46371.1	8082	W	6	10			OK	
	608	OP46323-MB2	46323.2	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-MB1	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.

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

115

ACCUTEST.

SEMIVOLATILE by GC ANALYSIS LOG

Batch ID: GXX 3909

Date: 11/03/10

Analyst Signature: Anna Zule

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SHIP-546 4A	Arc 1016/1260 Std	500ppb
-44B	I	1000ppb
-37	IB	20ppb

Columns: STXCCPI / STXCCPII

Method 8082

Initial Cal. Method PCB 3901

Injection Volume: 1.0µl

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
	XX100621	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	CC3901-500				23	1		PCB 1st	OK	
	625	IB				24	1		✓	OK	
	626	JA60284-1	46500.1	8082	S	25	1		✓	OK/DL	RR at 2X
	627	-2				26	1		TCMX ↑	OK	
	628	JA59829-1				27	1		✓	OK	
	629	JA60367-1				28	1		✓	OK	
	630	-2				29	1		✓	OK/DL	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	CC3901-1000				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 Zuk

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SW10-546-54A	Av. 1016/1260 Std	500ppb
-77	IB	20ppb

Columns: STXCCP I / STXCCP II

Method 8082

Initial Cal. Method PCB 3901

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: 11/5/10

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	IS	SU	Status (Data)	Comments
	XX100640	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		DCD 11/4	OK	
	646	IB				45	1				

Jm 11/5/10

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

Form: OR016-05

Rev. Date: 10/20/04

EXT-SO 1 of 62

BAL ID 13-7

ACCUTEST

SOLID/LIQUID EXTRACTION

BATCH # OP46195-1 | RACK# OP-60

EXTRACTION TIME: 4:10pm

EXTRACTION METHOD (circle one): Sonication (SW846 3550B) / CLP / other ____ | Pressurized Fluid (ASE): SW846 3545 / CLP / other ____ | Soxhlet: SW846 3540C / other ____

EXTRACTION DATE: 10/15/10 ANALYST: GP METHOD: Herb

Water Bath Temp(C) 42° Nitrogen Evap Temp(C) 35°

Supervisor Review: Signature ____ Date 10/15/1

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant Y	Decant N	Final Extract Vol(ml)	Final Extract Color	GPC	H2SO4	Cu	Florisil		Comments
MB			Herb	fortified Na2SO4	35.0			10	clear						
BS					35.0			10	clear						
JA58750-11 MS		4		mud	35.0	✓		10	clear						
MSD		4		mud	35.0	✓		10	clear						
~~BS~~															
~~MS~~															
~~MSD~~															
1 JA58750-1		1	Herb	mud	35.1	✓		10	lt yellow						
2 -2		2		mud	35.3	✓		10	clear						
3 -3		2		mud	35.3	✓		10							
4 -4		1		mud	35.3	✓		10							
5 -5		1		mud	35.1	✓		10	lt yellow						
6 -6		1		mud	35.2	✓		10	clear						
7 -7		1		mud	35.1	✓		10	lt yellow						
8 -8		2		mud	35.2	✓		10	lt yellow						
9 -9		1		mud	35.2	✓		10	clear						
10 -10		1		mud	35.3	✓		10	lt yellow						
11 -11		4		mud	35.4	✓		10	clear						
12 -12		1		mud	35.1	✓		10							
13 -13		1		mud	35.0	✓		10							
14 -14		1		mud	35.0	✓		10							
15 -15		2			35.0	✓		10							
16 -16		2			35.1	✓		10							
17 -17		2			35.0	✓		10	lt yellow						
18 -18		2			35.3	✓		10	clear						
19 C12872-5		1		soil	35.1		✓	10	yellow						
20															

COMMENTS:

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB			
HERB OP-420-131		10ppm	0.5

WITNESS SIGN: GP

MATRIX SPIKE DATA

	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST			
PCB			
HERB OP-420-141		Various	0.5

WITNESS SIGN: GP

SOLVENT DATA

	LOT #	BRAND	AMT X/ML
1:1 MC/ACE OP10	420-134	HW/Baker	100
METH CHLOR	DC549	HW	200
HEXANE	Sp-E20	Baker	
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
Acid fired SODIUM SULF. OP-420-06		Fisher
FILTER PAPER		
~~COPPER~~ 38% HCL	626054	Baker
FLORISIL		
SULFURIC ACID		

See back for instructions

45

Prep Log OP46195 page 1 of 1

1451 of 2212

ACCUTEST LABORATORIES

JA58750

10.8.1 10

EXT-SO 101489

BAL ID A-3

ACCUTEST

SOLID/LIQUID EXTRACTION

BATCH # GC46323-1 | RACK# 612-60

EXTRACTION TIME: 10:00 Am

Sonication | Pressurized Fluid (ASE) | Soxhlet

EXTRACTION METHOD (circle one) SW846 3550B / CLP / other ____ SW846 3545 / CLP / other ____ SW846 3540C / other ____

EXTRACTION DATE: 10/23/10 ANALYST: GJ METHOD: 8082 PCB Water Bath Temp(C) 92/60 Nitrogen Evap Temp(C) ____

Supervisor Review: Signature ____ Date 10/23/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant Y	Decant N	Final Extract Vol(ml)	Final Extract Color	GPC	H2SO4	Cu	Florisil		Comments
MB 1			PCB	Na2SO4	17.0			10	clear		✓	✓			
BS 1					17.0			10	clear		✓	✓			
JA59417-33 MS		1		clay	17.0			10	clear		✓	✓			
MSD		1		clay	17.0			10	clear		✓	✓			
~~BS~~															
~~MS~~ 10/21/10															
~~MSD~~															
1 JA59417-33		1	PCB	clay	17.1			10	clear		✓	✓			
2 -34		1		clumpy clay	17.0			10	clear		✓	✓			
3 -35		1		clay	17.0			10	clear		✓	✓			
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

COMMENTS:

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB opc-	501-3	4ppm	1
HERB			

WITNESS SIGN: GJ

MATRIX SPIKE DATA

	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST			
PCB opc-	504-4	2ppm	1
HERB			

WITNESS SIGN: GJ

SOLVENT DATA

	LOT #	BRAND	AMT X/ML
1:1 MC/ ACE	opc-420-84	Fisher	
METH CHLOR			
HEXANE	53E40	Baker	50
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
SODIUM SULF.	opc-79	Fisher
FILTER PAPER	03E361	Ahlstrom
COPPER opc-	420-127	Aldrich
FLORISIL		
SULFURIC ACID	54F05	Baker

See back for instructions

10.8.2 10

Prep Log OP46323 page 1 of 3

1452 of 2212

ACCUTEST LABORATORIES JA58750

EXT-SO 10-487

BAL ID B37

ACCUTEST

SOLID/LIQUID EXTRACTION

BATCH # GC46323-2 | RACK# GE-67

EXTRACTION TIME: 11am

Sonication | Pressurized Fluid (ASE) | Soxhlet

EXTRACTION METHOD (circle one) SW846 3550B / CLP / other ____ SW846 3545 / CLP / other ____ SW846 3540C / other ____

EXTRACTION DATE: 11/2/10 ANALYST: AC METHOD: 8082PCB Water Bath Temp(C) 40° Nitrogen Evap Temp(C) ____

Supervisor Review: Signature ____ Date 11/2/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant Y	Decant N	Final Extract Vol(ml)	Final Extract Color	GPC	H2SO4	Cu	Florisil		Comments
MB 2			PCB	Na2SO4	17.0			10	clear		/	/			
BS 2				Na2SO4	17.0			10	clear		/	/			
~~MS~~															
~~MSD~~															
~~BS~~ GT															
~~MS~~ 11/2/10															
~~MSD~~															
1 JA60326-21		1	PCB	Soil	17.2		/	10	clear		/	/			
2 -22		1		Soil	17.1		/	10	clear		/	/			
3 -23		1		clay	17.0		/	10	clear		/	/			
4 -24		1		clay	17.1		/	10	clear		/	/			
5 JA59507-7A		1		Soil	17.0		/	10	clear		/	/			
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

COMMENTS: ____

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB OP	10-SX-19	400ppb	1
HERB			
WITNESS SIGN:	LD / AC		

MATRIX SPIKE DATA

	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST			
PCB OP	10501-4	4 ppm	1
HERB			
WITNESS SIGN:	LD / AC		

SOLVENT DATA

	LOT #	BRAND	AMT X/ML
1:1 MC/ACE OP	10[illegible]134	HW/Baker	
METH CHLOR			
HEXANE	J33-40	Baker	50
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
SODIUM SULFOP	010-97	Fisher
FILTER PAPER	0320303	Whatman
COPPER OP	10430127	Aldrich
FLORISIL		
SULFURIC ACID	J04F05	Baker

95

See back for instructions

Prep Log OP46323 page 2 of 3

1453 of 2212

JA58750

10.8.2 10

EXT-SO 10494 BAL ID 03

ACCUTEST

SOLID/LIQUID EXTRACTION

BATCH # GC46323-2 RACK#

EXTRACTION TIME: 3:15 pm

EXTRACTION METHOD (circle one) Sonication SW846 3550B / CLP / other____ Pressurized Fluid (ASE) SW846 3545 / CLP / other____ Soxhlet SW846 3540C / other____

EXTRACTION DATE: 11/3/10 ANALYST: AL METHOD: 8082 PCB 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 Y	Decant N	Final Extract Vol(ml)	Final Extract Color	GPC	H2SO4	Cu	Florisil		Comments
	MB 2			PCB	Na2SO4	17.0			10	clear		/	/			
	BS 2			"	Na2SO4	17.0			10	clear		/	/			
	~~MS~~															
	~~MSD~~															
	~~BS~~ 11/3/10															
	~~MS~~ 11/3/10															
	MSD															
1	JA58750-2 ox		1	PCB	mud	17.1	/		10	clear		/	/			
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

COMMENTS: WP AL

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB OP	10-SS-19	400ppb	1
HERB			

WITNESS SIGN: CD / AL

MATRIX SPIKE DATA

	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST			
PCB OP	10-SO1-4	2 ppm	1
HERB			

WITNESS SIGN: CD / AL

SOLVENT DATA

	LOT #	BRAND	AMT X/ML
1:1 MC/ACE OP	10-48-134	HW/Baker	
METH CHLOR			
HEXANE	J33E40	Baker	50
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
SODIUM SULF. OP	010-98	Fisher
FILTER PAPER	0330302	Ahlstrom
COPPER OP	10-48-187	Aldrich
FLORISIL		
SULFURIC ACID	J04E08	Baker

31

EXT-SO 10-489

BAL ID B3

ACCUTEST.

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 3545A / CLP / other_____ SW846 3540C / other_____

EXTRACTION DATE: 10/26/10 ANALYST: AL METHOD: 8081 Pest Water Bath Temp(C) 42 Nitrogen Evap Temp(C) 35

Supervisor Review Signature Date 10/26/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant Y	Decant N	Final Extract Vol(ml)	Final Extract Color	GPC	H2SO4	Extract Cleanup Acid Cu	Florisil		Comments
MB 1			Pest	Na2SO4	17.0			10	clear			/	/		
BS 1				Na2SO4	17.0			10	clear			/	/		
JA58750-1 MS		3		mud	17.0	/		10	clear			/	/		
MSD		3		mud	17.0	/		10	clear			/	/		
~~BS~~ 1															
~~MS~~ 1 10/26/10															
~~MSD~~															
1 JA58750-1		2	Pest	mud	17.1	/		10	clear			/	/		
2 -2		2		mud	17.1	/		10	clear			/	/		
3 -3		1		mud	17.3	/		10	clear			/	/		
4 -4		1		mud	17.1	/		10	clear			/	/		
5 -5		1		mud	17.1	/		10	clear			/	/		
6 -6		2		mud	17.1	/		10	clear			/	/		
7 -7		1		mud	17.2		/	10	lt yellow			/	/		
8 -8		1		mud	17.1		/	10	clear			/	/		
9 -9		1		mud	17.1		/	10	clear			/	/		
10 -10		1		sand	17.0		/	10	clear			/	/		
11 -11		3		mud	17.0	/		10	clear			/	/		
12 -12		1		mud	17.3	/		10	clear			/	/		
13 -13		2		mud	17.1	/		10	clear			/	/		
14 -14		2		sand	17.2		/	10	clear			/	/		
15 -15		2		mud	17.0		/	10	clear			/	/		
16 -16		2		mud	17.1	/		10	clear			/	/		
17 -17		1		mud	17.1	/		10	clear			/	/		
18 -18		1		mud	17.3	/		10	clear			/	/		
19															
20															

COMMENTS: WR AL

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB DC	105013	400	1
HERB			

WITNESS SIGN: AL

MATRIX SPIKE DATA

	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST DC	105016	250	1
PCB			
HERB			

WITNESS SIGN: AL

SOLVENT DATA

	LOT #	BRAND	AMT X/ML
1:1 MC/ ACE	1042031	HW Baker	3/60
METH CHLOR			
HEXANE	J33E26	Baker	
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
SODIUM SULF.	10-98	Fisher
FILTER PAPER	013030	Ahlstrom
COPPER	1047022	Aldrich
FLORISIL		
SULFURIC ACID		

81

Prep Log OP46352 page 1 of 1

1455 of 2212 ACCUTEST LABORATORIES JA58750

10.8.3 10

EXT-SO/0-489

BAL ID B3

SOLID/LIQUID EXTRACTION

ACCUTEST

BATCH #	RACK#
BC46353-1	CE-70

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: PPK2PCB Water Bath Temp(C) 42 Nitrogen Evap Temp(C) ____

Supervisor Review — Signature ____ Date 10/26/10

Sample #	pH	Sample Bottle #	Analysis Type	Sample Description	Sample Wet Wt. (g)	Decant Y	Decant N	Final Extract Vol(ml)	Final Extract Color	Extract Cleanup GPC	Extract Cleanup H2SO4	Extract Cleanup Cu	Extract Cleanup Florisil		Comments
MB 1			PCB	Na2SO4	17.0			10	clear		/	/			
BS 1				Na2SO4	17.0			10	clear		/	/			
JA58750-11 MS		3		mud	17.0	/		10	clear		/	/			
MSD		3		mud	17.0	/		10	clear		/	/			
BS															
MS															
MSD															
1 JA58750-1		2	PCB	mud	17.1	/		10	clear		/	/			
2 -2		2		mud	17.1	/		10	clear		/	/			
3 -3		1		mud	17.3	/		10	clear		/	/			
4 -4		1		mud	17.1	/		10	clear		/	/			
5 -5		1		mud	17.1	/		10	clear		/	/			
6 -6		2		mud	17.1	/		10	clear		/	/			
7 -7		1		mud	17.2		/	10	lt yellow		/	/			
8 -8		1		mud	17.1		/	10	clear		/	/			
9 -9		1		mud	17.1		/	10	clear		/	/			
10 -10		1		Sand	17.0		/	10	clear		/	/			
11 -11		3		mud	17.0	/		10	clear		/	/			
12 -12		1		mud	17.3	/		10	clear		/	/			
13 -13		2		mud	17.1	/		10	clear		/	/			
14 -14		2		Sand	17.2		/	10	clear		/	/			
15 -15		2		mud	17.0		/	10	clear		/	/			
16 -16		2		mud	17.1	/		10	clear		/	/			
17 -17		1		mud	17.1	/		10	clear		/	/			
18 -18		1		mud	17.3	/		10	clear		/	/			
19 JA59549-1		1		dark sand	17.2		/	10	lt yellow		/	/			
20 -3		1		mud	17.2	/		10	brown		/	/			

COMMENTS:

SURROGATE SPIKE DATA	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE			
ACID			
PPCB	105013	400	1
HERB			
WITNESS SIGN:	AL		

MATRIX SPIKE DATA	LOT #	CONC.	AMT ADDED (ML)
BASE			
ACID			
PEST			
PCB	105014	2	1
HERB			
WITNESS SIGN:	AL		

SOLVENT DATA	LOT #	BRAND	AMT X/ML
1:1 MC/ ACE	10420134	J.T. Baker	3/20
METH CHLOR			
HEXANE	J33E40	Baker	
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA	LOT #	BRAND
SODIUM SULF.	10098	Fisher
FILTER PAPER	0130307	Whatman
COPPER	10420123	Aldrich
FLORISIL		
SULFURIC ACID		

83

See back for instructions

Prep Log OP46353 page 1 of 1

1456 of 2212

ACCUTEST LABORATORIES

JA58750

10.8.4

New Jersey
ACCUTEST
LABORATORIES

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		

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		

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		

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		

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.

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

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

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

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

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

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

Time:			11:35		11:52		12:15		13:23	
Sample ID:			ICB1		CCB2		CCB3		CCB4	
Metal	RL	IDL	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.

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

Time:			14:37		15:51		16:52		18:06	
Sample ID:			CCB5		CCB6		CCB7		CCB8	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
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

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

Time:			18:43		19:51		21:05		22:12	
Sample ID:			CCB9		CCB10		CCB11		CCB12	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	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.

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

Time:			23:26		00:35		01:12	
Sample ID:			CCB13		CCB14		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.

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

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:		11:22			12:09			13:17	
Sample ID:	ICV	ICV1		CCV	CCV2		CCV	CCV3	
Metal	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.

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:		14:31			15:45			16:46	
Sample ID:	CCV	CCV4		CCV	CCV5		CCV	CCV6	
Metal	True	Results	% Rec	True	Results	% Rec	True	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

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	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

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:		20:59			22:06			23:20	
Sample ID:	CCV	CCV10		CCV	CCV11		CCV	CCV12	
Metal	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

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

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: Sample ID: Metal	CRI True	CRIA True	CRID True	11:15 CRID1 Results	% Rec
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

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

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: Sample ID: Metal	ICSA True	ICSAB True	11:57 ICSA1 Results	% Rec	12:03 ICSAB1 Results	% Rec	16:34 ICSA2 Results	% Rec	16:40 ICSAB2 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
(anr) Analyte not requested

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

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		

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		
	10:57	MA25293-CCB4	1		
---------->	Last reportable CCB for job JA58750				
	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		

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.

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	CRI1	
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

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 MPIOS4	% 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

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

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

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

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 Methods: SW846 7471A
Matrix Type: SOLID 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

11.4.1

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

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

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

New Jersey
ACCUTEST
LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶
Zoom Out

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

◀ Zoom In ▶
Zoom Out

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

◀ Zoom In ▶
Zoom Out

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	.0783	.2871	.5143	.3118	.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	.0786	.2877	.5158	.3115	.0168
#2	1.765	2.658	1.220	1.192	.0781	.2866	.5128	.3121	.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

◀ Zoom In ▶
Zoom Out

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

Zoom In Zoom Out

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	.4188	1.325	5.577	1.234	4.712	.2334	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	.4166	1.317	5.542	1.235	4.717	.2342	2.864	.8998
#2	3.565	.4211	1.333	5.613	1.234	4.708	.2327	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

Zoom In Zoom Out

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

Zoom In Zoom Out

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									

Zoom In Zoom Out

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

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									

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

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	.4933	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									

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				.2000
Range				-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

Zoom In Zoom Out

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	.0002	.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	Tl1908	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									

Zoom In Zoom Out

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

Zoom In Zoom Out

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	.5006
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	.4965
#2	1.009	1.016	.9536	.9958	1.021	1.015	1.032	.9591	.5037
#3	1.010	1.016	.9533	.9942	1.017	1.011	1.028	.9588	.5015
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	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	.9852	.9775	.9541	1.038	.9812
Stddev	.021	.026	.039	.012	.0012	.0010	.0062	.002	.0008
%RSD	.4260	.5222	.4016	.1184	.1168	.1045	.6449	.2100	.0783
#1	5.033	4.971	9.690	9.949	.9861	.9787	.9477	1.039	.9818
#2	5.062	5.008	9.690	9.953	.9857	.9771	.9600	1.038	.9803
#3	5.075	5.022	9.757	9.971	.9839	.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									

Zoom In Zoom Out

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

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	.000	.0001	.0000	.0000	.000	.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									

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	.000	.000	.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

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	.2453
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	.2460
#2	1.984	2.035	1.970	1.996	2.016	1.939	2.017	1.972	.2460
#3	2.013	2.064	1.971	1.997	2.013	1.943	2.015	1.975	.2454
#4	1.989	2.040	1.971	1.997	2.013	1.938	2.013	1.972	.2439
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									

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				

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

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									

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	Ti3349	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

Zoom In Zoom Out

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	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									

Zoom In Zoom Out

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
High Limit				
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									
Range									

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									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
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									
Range									

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	.5513	.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				
Range				

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									
Range									

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									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.66	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									
Range									

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	Ti3349	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

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				.0020					
Low Limit				-.0020					

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									

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

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
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

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
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

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
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	.2514	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
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
Avg	129600.	46167.	2634.2	7748.1
Stddev	898.	625.	26.5	58.8
%RSD	.69300	1.3546	1.0046	.75831
#1	130230.	45725.	2653.0	7789.7
#2	128960.	46609.	2615.5	7706.6

Zoom In Zoom Out

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	-.0001	.0035	-.0038	.0549	.0834	.0014	.0040	-.0001
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	-.0001	.0036	-.0037	.0556	.0841	.0017	.0024	-.0001
#2	.4708	-.0002	.0034	-.0039	.0543	.0828	.0012	.0056	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0008	11.87	.0194	-.0112	38.54	.0063	.0021	-.6673	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	-.0121	38.51	.0030	.0019	-.6383	4995.
#2	.0004	11.89	.0188	-.0102	38.57	.0095	.0022	-.6964	5126.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.9732	.0830	634.8	713.2	.2118	.1329	-.0838	.7564	-.0034
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	-.0837	.7509	-.0023
#2	.9834	.0840	640.1	722.7	.2113	.1326	-.0838	.7619	-.0044

Elem	Sr4077	Ti3349	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

Zoom In Zoom Out

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	-.0002	.0001	-.0002	.0001	.0004	.0000
Stddev	.0000	.000	.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	-.0001	.0001	-.0002	.0000	-.0002	.0001	.0005	.0001
#2	.0000	.0000	.0000	-.0002	.0001	-.0001	.0001	.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0001	.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	-.0001	.0059	.0007	.0014	-.0004	-.0001	.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	-.0004	.0241	.0258	.0006	.0003	-.0003	.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	-.0060	.0186	.0269	.0006	.0002	-.0008	.0019	.0001
#2	.0070	.0052	.0297	.0247	.0005	.0004	.0001	.0018	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0001	-.0001	.0083	.0002
Stddev	.0000	.0002	.0003	.0000
%RSD	1.178	146.5	3.589	13.74
#1	.0001	-.0002	.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

Zoom In Zoom Out

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	-.0002	.0007	.0003	.0001	.0003	.0000
Stddev	.0000	.000	.0000	.0001	.0002	.0001	.0000	.0001	.000
%RSD	3.212	21.52	91.30	52.76	25.95	50.18	2.954	45.42	1252.
#1	.0010	.0000	.0001	-.0002	.0008	.0004	.0001	.0004	.0001
#2	.0010	.0000	.0000	-.0001	.0005	.0002	.0001	.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0002	.0015	-.0002	.0001	-.0001	.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	-.0004	.0015	-.0004	-.0002	-.0004	.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	-.0001
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	-.0004
#2	.0026	-.0007	.0022	.0607	.0004	.0004	.0003	.1394	.0002

Elem	Sr4077	Ti3349	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	-.0001	.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

Zoom In Zoom Out

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	-.0005
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	-.0006
#2	5.655	5.348	9.746	9.923	.0016	.5194	.0045	.0728	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0003	.4917	.0232	-.0009
Stddev	.0000	.0003	.0003	.0000
%RSD	3.147	.0617	1.191	4.183
#1	.0003	.4915	.0230	-.0009
#2	.0003	.4919	.0234	-.0009

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

Zoom In Zoom Out

Sample Name: JA59977-10A Acquired: 11/1/2010 12:52:52 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	.0074	.0000	.0001	-.0003	.0091	.0017	.0045	.0026	-.0001
Stddev	.0001	.000	.0001	.0000	.0002	.0000	.0000	.0001	.0001
%RSD	.9415	16.47	147.2	14.36	2.320	.1312	.0589	3.489	60.93
#1	.0075	.0000	.0000	-.0003	.0090	.0017	.0045	.0025	-.0001
#2	.0074	.0000	.0002	-.0003	.0093	.0017	.0045	.0026	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0093	.0052	.0011	.0001	.0010	.0016	.0004	8.192	10.43
Stddev	.0001	.0002	.0003	.0001	.0001	.0004	.0000	.011	.05
%RSD	1.389	3.478	23.22	71.62	8.106	27.47	13.04	.1366	.4394
#1	.0094	.0051	.0013	.0001	.0011	.0019	.0003	8.184	10.46
#2	.0092	.0054	.0009	.0000	.0009	.0013	.0004	8.200	10.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	3.490	.7423	.3533	5.534	.1077	.0013	.0002	9.335	-.0014
Stddev	.003	.0047	.0085	.006	.0003	.0000	.0006	.032	.0003
%RSD	.0915	.6379	2.395	.1114	.3135	2.466	230.7	.3442	20.41
#1	3.492	.7456	.3473	5.529	.1074	.0013	-.0002	9.358	-.0012
#2	3.488	.7389	.3593	5.538	.1079	.0013	.0006	9.313	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0437	.2246	.0174	.0075
Stddev	.0001	.0018	.0004	.0001
%RSD	.2970	.7795	2.182	1.453
#1	.0436	.2258	.0177	.0074
#2	.0438	.2233	.0171	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134630.	47783.	2830.3	8441.1
Stddev	366.	159.	2.1	24.0
%RSD	.27203	.33328	.07259	.28378
#1	134890.	47670.	2831.7	8458.0
#2	134370.	47895.	2828.8	8424.1

Zoom In Zoom Out

Sample Name: JA59977-11A Acquired: 11/1/2010 12:59:00 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	.0033	.0000	.0001	.0064	.0049	.0066	.0036	.0048	.0002
Stddev	.0000	.000	.0000	.0000	.0002	.0001	.0000	.0000	.0001
%RSD	.9796	33.21	17.07	.4055	4.264	1.933	1.351	.4987	71.71
#1	.0034	.0000	.0001	.0064	.0050	.0067	.0036	.0048	.0003
#2	.0033	.0000	.0001	.0065	.0047	.0065	.0035	.0048	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0034	.0039	.0003	-.0010	.0002	.0014	.0000	2.444	4.688
Stddev	.0001	.0001	.0000	.0001	.0002	.0010	.000	.013	.014
%RSD	3.752	1.290	4.088	10.10	114.1	71.17	1553.	.5495	.2939
#1	.0035	.0040	.0004	-.0009	.0003	.0007	-.0003	2.434	4.678
#2	.0033	.0039	.0003	-.0010	.0000	.0022	.0003	2.453	4.698

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.437	.2751	7.625	5.377	.1115	.0032	-.0001	4.001	-.0006
Stddev	.008	.0062	.055	.038	.0009	.0001	.0004	.015	.0003
%RSD	.5654	2.265	.7216	.7018	.8194	2.773	348.9	.3839	44.25
#1	1.432	.2795	7.586	5.350	.1108	.0033	.0001	3.990	-.0008
#2	1.443	.2707	7.664	5.404	.1121	.0032	-.0004	4.012	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0123	.0696	.0108	.0034
Stddev	.0000	.0005	.0002	.0001
%RSD	.3513	.6644	1.479	4.241
#1	.0122	.0700	.0106	.0033
#2	.0123	.0693	.0109	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134670.	48281.	2848.9	8526.1
Stddev	668.	74.	12.4	22.0
%RSD	.49620	.15290	.43598	.25838
#1	134200.	48333.	2857.7	8541.7
#2	135140.	48228.	2840.1	8510.5

Zoom In Zoom Out

Sample Name: JA59977-12A Acquired: 11/1/2010 13:05:08 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	.0008	.0000	.0001	-.0002	.0009	.0002	.0003	.0004	-.0001
Stddev	.0000	.000	.0000	.0002	.0001	.0001	.0000	.0000	.0001
%RSD	1.213	15.62	28.89	84.61	15.30	61.67	12.87	4.999	90.42
#1	.0007	.0000	.0002	-.0001	.0010	.0002	.0003	.0004	.0000
#2	.0008	.0000	.0001	-.0003	.0008	.0001	.0004	.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0004	.0014	-.0002	-.0008	-.0004	.0012	.0001	.3646	.6208
Stddev	.0002	.0001	.0001	.0001	.0000	.0003	.0000	.0014	.0004
%RSD	51.03	6.068	62.17	11.48	.0162	22.52	47.19	.3942	.0695
#1	.0002	.0015	-.0003	-.0009	-.0004	.0010	.0001	.3636	.6211
#2	.0005	.0014	-.0001	-.0008	-.0004	.0014	.0000	.3656	.6204

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1906	.3856	.0574	3.348	.0553	.0003	.0004	1.353	.0003
Stddev	.0021	.0017	.0064	.009	.0002	.0001	.0007	.004	.0000
%RSD	1.107	.4509	11.07	.2735	.2717	37.12	173.8	.2808	7.638
#1	.1891	.3869	.0619	3.341	.0554	.0004	-.0001	1.356	.0003
#2	.1921	.3844	.0529	3.354	.0552	.0003	.0009	1.350	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0019	.0080	.0075	.0009
Stddev	.0000	.0002	.0002	.0000
%RSD	.3544	2.371	2.754	1.857
#1	.0020	.0078	.0074	.0009
#2	.0019	.0081	.0077	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135040.	47472.	2835.2	8566.6
Stddev	392.	47.	3.7	8.7
%RSD	.29054	.09873	.12932	.10141
#1	135320.	47439.	2832.6	8560.5
#2	134760.	47505.	2837.8	8572.8

Zoom In Zoom Out

Sample Name: MP55395-MB1CONF Acquired: 11/1/2010 13:11:17 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	.0001	-.0001	.0000	.0007	.0000	.0003	.0001
Stddev	.0000	.000	.0001	.0000	.0002	.0001	.0000	.0001	.0001
%RSD	62.79	2.112	150.4	11.68	388.5	13.92	56.25	50.07	212.9
#1	-.0001	.0000	.0000	-.0002	-.0001	.0006	.0001	.0004	.0000
#2	.0000	.0000	.0002	-.0001	.0002	.0008	.0000	.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0001	.0009	-.0005	-.0002	-.0001	.0010	.0004	.0001	-.0055
Stddev	.0002	.0000	.0004	.0008	.0002	.0004	.0005	.0018	.0013
%RSD	125.8	2.755	75.92	387.5	391.5	34.43	129.8	1565.	23.39
#1	.0000	.0009	-.0002	.0003	.0001	.0008	.0000	-.0011	-.0064
#2	-.0002	.0009	-.0008	-.0007	-.0002	.0013	.0007	.0014	-.0046

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0012	.0005	-.0162	.0004	.0002	.0002	.0000	.0066	.0000
Stddev	.0004	.0020	.0078	.0037	.0002	.0000	.0003	.0002	.0003
%RSD	31.60	370.8	48.07	911.4	91.87	.8643	3250.	3.469	790.9
#1	.0009	-.0009	-.0217	-.0022	.0004	.0002	-.0002	.0067	.0003
#2	.0015	.0020	-.0107	.0030	.0001	.0002	.0002	.0064	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0001	.0049	.0001
Stddev	.000	.0000	.0001	.0000
%RSD	74.62	15.05	1.636	19.33
#1	.0000	.0001	.0049	.0002
#2	-.0001	.0001	.0048	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135310.	47757.	2843.5	8579.9
Stddev	70.	163.	7.7	21.7
%RSD	.05184	.34056	.27028	.25297
#1	135260.	47872.	2849.0	8595.2
#2	135360.	47642.	2838.1	8564.5

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	.2436
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	.2432
#2	1.980	2.044	1.989	2.010	1.997	1.930	2.004	1.992	.2439
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	1.989	2.020	1.965	2.019	1.957	1.962	1.954	39.91	40.98
Stddev	.001	.002	.001	.001	.002	.001	.000	.02	.03
%RSD	.0346	.1054	.0302	.0615	.0999	.0623	.0035	.0479	.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	.000	.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									

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

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	.0001	.0001	.0000	.0001	-.0001	.0001	.0001	.0001	.0000
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	-.0002	.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	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0002	.0006	.0014	-.0007	.0013	.0000	.0011	-.0067
Stddev	.0002	.0001	.0000	.0005	.0005	.0004	.000	.0042	.0000
%RSD	311.5	66.53	6.469	32.07	70.47	31.62	1447.	367.6	.5152
#1	.0002	-.0001	.0006	.0017	-.0010	.0016	-.0003	-.0018	-.0066
#2	-.0001	-.0003	.0006	.0011	-.0003	.0010	.0002	.0041	-.0067
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	-.0075	.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	-.0123	.0073	.0008	.0007	.0010	.0018	.0004
#2	.0018	.0085	-.0027	.0062	.0007	.0006	-.0001	.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									

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	.0001	.0001	.0148	.0006
Stddev	.0000	.0002	.0012	.0000
%RSD	7.960	327.6	7.985	.4280
#1	.0001	-.0001	.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

Zoom In Zoom Out

Sample Name: MP55395-S1 2 Acquired: 11/1/2010 13:29:47 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	2.112	.0491	.0493	.4861	.2852	.2412	.4860	.4885	.0516
Stddev	.001	.0001	.0003	.0022	.0004	.0007	.0002	.0008	.0004
%RSD	.0629	.1237	.6884	.4612	.1493	.2826	.0397	.1562	.8024
#1	2.113	.0491	.0495	.4877	.2849	.2417	.4862	.4891	.0513
#2	2.111	.0492	.0490	.4845	.2855	.2407	.4859	.4880	.0519

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4510	.4886	2.062	1.844	.4764	2.000	.5153	1.986	1094.
Stddev	.0001	.0007	.012	.009	.0049	.009	.0011	.014	.
%RSD	.0177	.1368	.5886	.4732	1.020	.4701	.2223	.7074	.0269
#1	.4509	.4890	2.070	1.850	.4798	2.007	.5161	1.995	1094.
#2	.4511	.4881	2.053	1.838	.4730	1.993	.5145	1.976	1094.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.032	24.16	30.92	203.1	.0222	.0111	-.0195	.2150	-.0019
Stddev	.002	.09	.11	1.5	.0005	.0000	.0015	.0003	.0016
%RSD	.1437	.3791	.3397	.7290	2.226	.3638	7.589	.1592	80.47
#1	1.033	24.09	30.85	204.1	.0219	.0110	-.0184	.2147	-.0008
#2	1.030	24.22	31.00	202.0	.0226	.0111	-.0205	.2152	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.022	.0048	.0711	.0011
Stddev	.000	.0001	.0017	.0000
%RSD	.0144	1.424	2.418	.9450
#1	1.022	.0049	.0723	.0011
#2	1.022	.0048	.0699	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	122050.	44748.	2485.9	7032.3
Stddev	113.	21.	7.3	18.1
%RSD	.09295	.04607	.29206	.25673
#1	121970.	44762.	2480.8	7019.5
#2	122130.	44733.	2491.0	7045.0

Zoom In Zoom Out

Sample Name: MP55395-S2 Acquired: 11/1/2010 13:35:57 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	2.125	.0492	.0489	.4884	.2885	.2444	.4909	.4920	.0522
Stddev	.005	.0002	.0006	.0011	.0024	.0006	.0023	.0008	.0004
%RSD	.2264	.3200	1.212	.2237	.8466	.2355	.4707	.1547	.7744
#1	2.121	.0493	.0493	.4876	.2902	.2448	.4925	.4914	.0519
#2	2.128	.0491	.0484	.4892	.2868	.2440	.4893	.4925	.0525

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4559	.4925	2.071	1.858	.4799	2.011	.5188	1.997	1120.
Stddev	.0013	.0007	.004	.005	.0010	.005	.0006	.014	3.
%RSD	.2768	.1338	.1793	.2669	.2070	.2708	.1149	.6735	.2820
#1	.4568	.4920	2.068	1.855	.4792	2.008	.5192	1.988	1123.
#2	.4550	.4929	2.074	1.862	.4806	2.015	.5183	2.007	1118.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.041	24.14	31.32	206.1	.0219	.0113	-.0198	.2332	-.0019
Stddev	.004	.18	.12	1.5	.0007	.0002	.0004	.0033	.0002
%RSD	.3474	.7384	.3713	.7384	3.281	1.530	2.063	1.399	8.888
#1	1.044	24.26	31.23	205.0	.0214	.0112	-.0201	.2309	-.0020
#2	1.039	24.01	31.40	207.2	.0224	.0114	-.0195	.2355	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.052	.0056	.0673	.0001
Stddev	.001	.0002	.0015	.0003
%RSD	.1348	3.445	2.171	229.3
#1	1.051	.0058	.0683	-.0001
#2	1.053	.0055	.0663	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	122350.	44767.	2498.0	7050.3
Stddev	346.	125.	2.2	1.9
%RSD	.28246	.27968	.08998	.02627
#1	122110.	44678.	2499.6	7051.6
#2	122600.	44856.	2496.4	7049.0

Zoom In Zoom Out

Sample Name: JA59094-3 Acquired: 11/1/2010 13:42:07 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1635	-.0001	-.0002	-.0011	.0952	.0051	.0022	.0032	-.0011
Stddev	.0027	.0000	.0001	.0002	.0030	.0008	.0001	.0002	.0001
%RSD	1.628	3.395	27.43	19.19	3.188	15.92	4.226	6.104	11.24
#1	.1654	-.0001	-.0002	-.0009	.0973	.0057	.0022	.0031	-.0010
#2	.1616	-.0001	-.0003	-.0012	.0930	.0045	.0021	.0034	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0006	.0045	.0015	-.0014	.0029	.0015	.0018	.0321	1090.
Stddev	.0001	.0006	.0004	.0006	.0000	.0002	.0006	.0206	17.
%RSD	23.99	12.55	25.98	46.01	.2701	12.95	34.19	64.04	1.541
#1	.0007	.0049	.0012	-.0018	.0029	.0017	.0013	.0176	1102.
#2	.0005	.0041	.0018	-.0009	.0029	.0014	.0022	.0467	1078.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0116	.0368	4.849	177.4	.0214	.0107	-.0200	.2353	-.0011
Stddev	.0007	.0141	.065	4.2	.0003	.0001	.0018	.0022	.0000
%RSD	6.200	38.36	1.340	2.347	1.358	.6767	9.209	.9543	1.690
#1	.0111	.0268	4.895	180.4	.0217	.0106	-.0213	.2369	-.0011
#2	.0121	.0468	4.803	174.5	.0212	.0107	-.0187	.2337	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.038	.0052	.0434	.0000
Stddev	.017	.0003	.0006	.0001
%RSD	1.631	5.802	1.267	279.8
#1	1.050	.0050	.0438	.0000
#2	1.026	.0055	.0430	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	122790.	45258.	2504.2	7119.5
Stddev	2024.	657.	6.4	5.0
%RSD	1.6479	1.4525	.25716	.07036
#1	121360.	44793.	2508.7	7123.1
#2	124220.	45722.	2499.6	7116.0

Zoom In Zoom Out

Sample Name: MP55395-SD1 Acquired: 11/1/2010 13:48:26 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1580	-.0004	-.0017	-.0077	.0932	.0050	.0021	.0052	-.0010
Stddev	.0010	.0001	.0002	.0000	.0010	.0009	.0004	.0024	.0035
%RSD	.6172	20.89	11.54	.4524	1.092	18.89	18.06	45.56	366.2
#1	.1587	-.0004	-.0018	-.0077	.0925	.0057	.0019	.0036	.0015
#2	.1573	-.0003	-.0016	-.0077	.0939	.0043	.0024	.0069	-.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0007	.0176	-.0014	.0040	.0034	.0077	.0058	.4245	1118.
Stddev	.0025	.0003	.0025	.0046	.0053	.0079	.0044	.0604	2.
%RSD	330.5	1.719	183.1	115.3	153.9	103.0	76.72	14.22	.1751
#1	-.0025	.0174	-.0032	.0072	.0072	.0133	.0089	.4672	1116.
#2	.0010	.0178	.0004	.0007	-.0003	.0021	.0026	.3818	1119.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0103	.0355	4.386	174.9	.0214	.0133	-.0246	.2453	-.0101
Stddev	.0068	.0094	.058	.7	.0004	.0016	.0028	.0062	.0042
%RSD	65.68	26.54	1.331	.3779	1.962	12.13	11.56	2.539	41.73
#1	.0055	.0288	4.427	175.4	.0217	.0144	-.0226	.2409	-.0130
#2	.0152	.0422	4.345	174.5	.0211	.0121	-.0266	.2497	-.0071

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.002	.0033	.0744	.0009
Stddev	.001	.0001	.0043	.0015
%RSD	.0808	1.586	5.805	167.2
#1	1.002	.0033	.0774	-.0002
#2	1.001	.0032	.0713	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	132570.	46656.	2748.6	8063.9
Stddev	188.	3.	2.7	6.8
%RSD	.14212	.00689	.09872	.08448
#1	132700.	46654.	2750.6	8068.7
#2	132430.	46658.	2746.7	8059.0

Zoom In Zoom Out

Sample Name: JA58688-3 Acquired: 11/1/2010 13:54:39 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	.0617	.0003	.0002	.0043	.0002	.0155	.7907	.0242	.0000
Stddev	.0001	.0000	.0000	.0001	.0000	.0001	.0009	.0002	.0001
%RSD	.1259	4.576	22.85	1.810	30.68	.9637	.1195	.8029	368.4
#1	.0618	.0003	.0002	.0044	.0001	.0156	.7914	.0243	.0001
#2	.0617	.0002	.0001	.0043	.0002	.0154	.7901	.0240	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0000	.0179	-.0002	.0004	-.0001	.0010	-.0001	.0273	4.760
Stddev	.0000	.0001	.0002	.0002	.0003	.0001	.0003	.0016	.037
%RSD	145.5	.3179	92.28	46.24	267.2	7.066	287.7	5.871	.7755
#1	.0000	.0179	-.0004	.0006	.0001	.0011	.0001	.0285	4.734
#2	.0000	.0178	-.0001	.0003	-.0003	.0010	-.0003	.0262	4.786

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0701	6.361	3.071	4.064	.0092	.0010	-.0001	4.312	-.0011
Stddev	.0003	.060	.010	.018	.0002	.0000	.0000	.023	.0003
%RSD	.4354	.9447	.3225	.4544	2.348	4.071	11.93	.5277	23.68
#1	.0704	6.318	3.078	4.077	.0094	.0009	-.0001	4.328	-.0013
#2	.0699	6.403	3.064	4.051	.0091	.0010	-.0002	4.296	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0492	-.0038	.0102	.0002
Stddev	.0000	.0000	.0000	.0000
%RSD	.0584	.9875	.0121	11.73
#1	.0492	-.0038	.0102	.0002
#2	.0492	-.0038	.0102	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135690.	47795.	2856.4	8580.4
Stddev	46.	170.	10.4	25.7
%RSD	.03397	.35504	.36340	.29989
#1	135720.	47915.	2849.0	8562.2
#2	135660.	47675.	2863.7	8598.6

Zoom In Zoom Out

Sample Name: JA58688-3 Acquired: 11/1/2010 14:00:46 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	.0573	.0001	.0001	.0037	-.0018	.0146	.7438	.0238	.0002
Stddev	.0000	.0000	.0000	.0004	.0005	.0006	.0012	.0000	.0003
%RSD	.0676	95.56	66.63	12.19	26.47	3.940	.1562	.0399	127.7
#1	.0573	.0000	.0001	.0040	-.0021	.0142	.7430	.0238	.0004
#2	.0572	.0001	.0000	.0033	-.0014	.0150	.7447	.0238	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0015	.0251	.0019	.0019	-.0025	.0020	-.0027	.0173	4.523
Stddev	.0006	.0008	.0026	.0011	.0019	.0044	.0011	.0078	.014
%RSD	43.88	3.010	134.9	57.78	75.09	218.3	42.15	45.05	.3135
#1	-.0010	.0246	.0037	.0027	-.0012	-.0011	-.0035	.0228	4.533
#2	-.0019	.0257	.0001	.0011	-.0038	.0052	-.0019	.0118	4.513

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0617	6.013	2.795	3.764	.0104	.0014	.0017	4.108	-.0018
Stddev	.0027	.013	.058	.010	.0003	.0000	.0023	.037	.0008
%RSD	4.403	.2177	2.065	.2693	3.301	3.275	138.8	.9126	43.61
#1	.0598	6.022	2.755	3.771	.0101	.0014	.0033	4.081	-.0012
#2	.0636	6.004	2.836	3.757	.0106	.0015	.0000	4.134	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0458	-.0042	.0237	.0001
Stddev	.0001	.0000	.0020	.0002
%RSD	.1533	.1837	8.588	248.7
#1	.0457	-.0042	.0223	.0003
#2	.0458	-.0042	.0251	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138040.	47806.	2872.7	8603.9
Stddev	37.	3.	26.0	78.9
%RSD	.02711	.00608	.90497	.91679
#1	138010.	47808.	2891.1	8659.7
#2	138060.	47804.	2854.3	8548.1

Zoom In Zoom Out

Sample Name: MP55413-MB1CONF Acquired: 11/1/2010 14:06:53 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	.0006	.0000	.0000	.0001	.0004	.0001	.0006	.0002	-.0001
Stddev	.0001	.000	.0000	.0002	.0001	.0002	.0000	.0001	.0000
%RSD	9.079	28.14	57.15	371.1	22.74	121.4	.5540	45.44	10.50
#1	.0005	.0000	.0001	-.0001	.0004	.0000	.0006	.0002	-.0001
#2	.0006	.0000	.0000	.0002	.0003	.0003	.0006	.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0002	.0057	.0001	.0010	-.0003	.0010	-.0005	.0199	.0116
Stddev	.0000	.0001	.0004	.0008	.0001	.0003	.0003	.0025	.0002
%RSD	3.957	1.524	380.2	79.35	18.32	25.47	53.14	12.58	1.463
#1	-.0002	.0056	.0004	.0015	-.0003	.0009	-.0007	.0217	.0117
#2	-.0002	.0057	-.0002	.0004	-.0004	.0012	-.0003	.0181	.0115

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0296	.0108	-.0089	.0063	.0006	.0001	.0005	.0076	.0127
Stddev	.0000	.0050	.0100	.0001	.0000	.0001	.0010	.0000	.0002
%RSD	.0253	46.64	112.0	2.040	2.128	54.36	187.2	.1826	1.256
#1	.0296	.0072	-.0160	.0064	.0006	.0001	-.0002	.0077	.0126
#2	.0296	.0143	-.0019	.0062	.0005	.0001	.0012	.0076	.0128

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0006	.0029	.0001
Stddev	.0000	.0000	.0002	.0000
%RSD	16.28	.0881	8.256	12.63
#1	.0000	.0006	.0030	.0001
#2	.0000	.0006	.0027	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	136870.	47968.	2857.0	8630.3
Stddev	350.	70.	18.4	62.4
%RSD	.25591	.14504	.64513	.72358
#1	137120.	48017.	2870.0	8674.5
#2	136630.	47919.	2844.0	8586.1

Zoom In Zoom Out

Sample Name: JA59734-1 2 Acquired: 11/1/2010 14:13:03 Type: Unk
Method: Accutest1(v58) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	1.627	.0103	.0017	.1876	.2391	.3132	10.92	.2820	.0007
Stddev	.002	.0000	.0001	.0006	.0012	.0010	.09	.0007	.0001
%RSD	.1306	.1072	7.269	.3231	.4978	.3116	.8320	.2379	9.621
#1	1.626	.0103	.0018	.1872	.2400	.3125	10.99	.2825	.0007
#2	1.629	.0104	.0017	.1880	.2383	.3139	10.86	.2815	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.3236	.7396	.0666	.0009	.1939	.0187	.0036	205.4	13.00
Stddev	.0003	.0000	.0012	.0009	.0002	.0012	.0013	.3	.04
%RSD	.1039	.0012	1.807	99.08	.1166	6.540	35.65	.1332	.3390
#1	.3238	.7396	.0657	.0003	.1941	.0179	.0027	205.2	12.97
#2	.3234	.7396	.0674	.0016	.1938	.0196	.0045	205.6	13.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	296.0	46.38	15.61	.5329	.0301	.0063	.0207	3.516	.0076
Stddev	.4	.03	.00	.0049	.0011	.0001	.0001	.013	.0000
%RSD	.1296	.0612	.0228	.9279	3.723	.9077	.2435	.3543	.1060
#1	295.7	46.36	15.61	.5364	.0293	.0062	.0206	3.525	.0076
#2	296.3	46.40	15.61	.5294	.0308	.0063	.0207	3.507	.0076

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0769	.5688	.0529	.0560
Stddev	.0000	.0081	.0006	.0002
%RSD	.0399	1.425	1.134	.3420
#1	.0769	.5746	.0533	.0558
#2	.0769	.5631	.0524	.0561

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137750.	48401.	2868.3	8047.9
Stddev	194.	133.	5.1	12.0
%RSD	.14111	.27378	.17778	.14946
#1	137890.	48495.	2871.9	8056.4
#2	137620.	48308.	2864.7	8039.4

Zoom In Zoom Out

Sample Name: MP55414-MB1 2 Acquired: 11/1/2010 14:19:18 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	.0000	.0000	.0001	-.0001	.0002	.0000	.0001	.0002	-.0001
Stddev	.0001	.000	.0000	.0000	.0000	.0002	.0000	.0001	.0001
%RSD	327.5	23.44	32.62	29.39	16.00	11640.	34.91	69.59	78.01
#1	.0000	-.0001	.0001	-.0002	.0002	.0001	.0000	.0001	-.0001
#2	.0001	.0000	.0001	-.0001	.0002	-.0001	.0001	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0002	.0009	-.0003	-.0004	-.0002	.0013	-.0002	.0017	-.0038
Stddev	.0003	.0000	.0000	.0003	.0002	.0000	.0008	.0023	.0014
%RSD	139.3	1.566	7.205	92.98	104.9	2.831	528.8	132.9	36.90
#1	-.0004	.0009	-.0003	-.0001	-.0004	.0013	.0004	.0034	-.0048
#2	.0000	.0009	-.0003	-.0006	-.0001	.0012	-.0008	.0001	-.0028

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0047	-.0009	-.0205	.0031	.0004	.0002	.0001	.0075	.0000
Stddev	.0005	.0059	.0006	.0015	.0002	.0000	.0010	.0004	.0004
%RSD	10.66	627.0	3.169	48.81	57.29	3.977	1095.	5.359	4010.
#1	.0044	-.0051	-.0200	.0020	.0005	.0001	-.0006	.0078	-.0003
#2	.0051	.0032	-.0209	.0041	.0002	.0002	.0008	.0072	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0001	.0038	.0001
Stddev	.000	.0000	.0002	.0000
%RSD	9.887	1.566	5.171	8.438
#1	.0000	.0001	.0037	.0001
#2	.0000	.0001	.0039	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135860.	47556.	2837.0	8561.3
Stddev	1734.	306.	14.7	27.6
%RSD	1.2764	.64243	.51790	.32270
#1	134640.	47772.	2826.6	8541.7
#2	137090.	47340.	2847.4	8580.8

Zoom In Zoom Out

Sample Name: MP55414-LC1 Acquired: 11/1/2010 14:25:29 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	.5040	.5121	.4937	.5152	.5175	.4652	.5084	.4814	.1893
Stddev	.0010	.0016	.0001	.0003	.0003	.0006	.0004	.0016	.0000
%RSD	.2049	.3104	.0134	.0620	.0506	.1309	.0695	.3380	.0047
#1	.5048	.5109	.4938	.5149	.5177	.4648	.5086	.4802	.1893
#2	.5033	.5132	.4937	.5154	.5173	.4656	.5081	.4825	.1893

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4713	.4983	.5029	.4805	.4808	.4822	.5000	4.732	5.428
Stddev	.0003	.0011	.0002	.0008	.0010	.0013	.0000	.004	.035
%RSD	.0617	.2158	.0453	.1683	.2112	.2635	.0023	.0904	.6486
#1	.4711	.4976	.5028	.4811	.4801	.4813	.5000	4.729	5.403
#2	.4715	.4991	.5031	.4800	.4815	.4831	.5000	4.735	5.453

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	5.540	5.196	9.685	9.871	.0063	.5167	.0031	.0651	-.0004
Stddev	.015	.036	.020	.027	.0003	.0001	.0006	.0011	.0004
%RSD	.2639	.6993	.2069	.2733	4.407	.0161	19.75	1.657	102.8
#1	5.529	5.170	9.699	9.890	.0065	.5167	.0035	.0644	-.0001
#2	5.550	5.221	9.671	9.852	.0061	.5168	.0026	.0659	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0004	.4730	.0170	-.0013
Stddev	.0000	.0004	.0001	.0000
%RSD	8.934	.0859	.4043	1.467
#1	.0004	.4728	.0169	-.0013
#2	.0004	.4733	.0170	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	133830.	47251.	2802.9	8345.2
Stddev	80.	45.	4.1	10.1
%RSD	.05961	.09423	.14647	.12093
#1	133780.	47283.	2800.0	8352.3
#2	133890.	47220.	2805.8	8338.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 11/1/2010 14:31:30 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	1.996	2.066	2.019	2.041	1.969	1.912	1.996	2.024	.2421
Stddev	.041	.043	.009	.008	.021	.019	.021	.008	.0021
%RSD	2.061	2.096	.4245	.3721	1.067	1.014	1.077	.3861	.8850
#1	2.025	2.096	2.025	2.046	1.984	1.926	2.012	2.029	.2436
#2	1.967	2.035	2.013	2.036	1.954	1.898	1.981	2.018	.2406
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	1.985	2.047	1.999	2.053	1.979	1.995	1.978	40.68	41.54
Stddev	.022	.008	.004	.014	.007	.006	.006	.82	.86
%RSD	1.101	.3921	.2150	.6631	.3683	.2932	.3242	2.018	2.071
#1	2.000	2.053	2.002	2.062	1.984	1.999	1.983	41.26	42.15
#2	1.969	2.041	1.996	2.043	1.973	1.991	1.974	40.10	40.93
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	41.67	41.49	41.44	40.85	1.991	2.038	1.909	5.099	2.063
Stddev	.87	.93	.85	.87	.005	.007	.018	.020	.007
%RSD	2.085	2.230	2.063	2.141	.2627	.3597	.9287	.3911	.3472
#1	42.28	42.15	42.04	41.47	1.995	2.043	1.921	5.113	2.068
#2	41.06	40.84	40.83	40.23	1.987	2.033	1.896	5.085	2.058
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 14:31:30 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	1.965	1.940	2.008	1.972
Stddev	.001	.021	.001	.017
%RSD	.0696	1.084	.0355	.8824
#1	1.966	1.955	2.009	1.984
#2	1.964	1.925	2.008	1.960
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	134020.	46113.	2758.6	7793.7
Stddev	1177.	803.	8.1	25.3
%RSD	.87841	1.7403	.29389	.32437
#1	133180.	45546.	2752.9	7775.8
#2	134850.	46680.	2764.4	7811.6

Zoom In / Zoom Out

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	.000
%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	-.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	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
#1	.0003	.0001	.0012	.0018	-.0002	.0012	.0010	.0073	-.0035
#2	.0002	-.0002	.0006	.0012	-.0001	.0002	-.0006	.0032	-.0023
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
#1	.0047	.0120	.0101	.0152	.0009	.0007	.0010	.0025	.0002
#2	.0056	.0042	-.0084	.0110	.0010	.0007	.0011	.0017	.0000
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 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

Zoom In / Zoom Out

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	.4297	.6022	1.811	1.775	.4558	1.766	.4575	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	.4301	.6053	1.817	1.785	.4570	1.770	.4592	3.666	26.19
#2	.4293	.5992	1.805	1.765	.4545	1.763	.4558	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

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0165	.0247	.0360	.0010
Stddev	.0002	.0001	.0007	.0000
%RSD	1.459	.2628	1.866	4.231
#1	.0163	.0247	.0365	.0010
#2	.0167	.0248	.0356	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	133610.	46667.	2781.8	8147.9
Stddev	152.	506.	5.5	21.8
%RSD	.11380	1.0834	.19619	.26789
#1	133500.	47025.	2777.9	8132.5
#2	133710.	46309.	2785.6	8163.3

Zoom In / Zoom Out

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	.4559	.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	.4554	.1951	.2741	.4952	.4582	.0446
#2	1.820	.0461	.0430	.4564	.1951	.2742	.4972	.4571	.0446

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4157	.5860	1.768	1.731	.4438	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	.4144	.5857	1.765	1.732	.4435	1.722	.4461	3.531	25.62
#2	.4169	.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

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0159	.0234	.0322	.0012
Stddev	.0001	.0004	.0002	.0000
%RSD	.4277	1.676	.7219	2.902
#1	.0159	.0231	.0321	.0012
#2	.0160	.0237	.0324	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	133710.	47139.	2767.4	8122.9
Stddev	192.	4.	7.9	16.2
%RSD	.14324	.00832	.28666	.19988
#1	133840.	47142.	2773.0	8134.4
#2	133570.	47137.	2761.8	8111.4

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0589	.0003	.0012	.0003	.0160	.0723	.0474	.0147	-.0002
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0000	.0000	.0002
%RSD	.1521	.0542	2.348	35.24	1.118	.1827	.0489	.1023	92.31
#1	.0588	.0003	.0012	.0004	.0159	.0722	.0475	.0147	-.0003
#2	.0589	.0003	.0012	.0002	.0161	.0724	.0474	.0147	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0024	.1530	.0006	.0007	.0191	.0012	.0026	1.712	2.962
Stddev	.0003	.0003	.0003	.0007	.0002	.0004	.0004	.007	.003
%RSD	10.68	.2177	46.61	96.28	.8345	35.82	15.93	.4047	.1144
#1	.0026	.1528	.0004	.0013	.0192	.0009	.0029	1.708	2.960
#2	.0022	.1532	.0008	.0002	.0190	.0014	.0023	1.717	2.965

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.318	.7426	.6601	2.686	.0188	.0018	.0005	5.843	.0001
Stddev	.003	.0074	.0006	.003	.0001	.0001	.0005	.000	.0002
%RSD	.1867	.9909	.0871	.1076	.3368	5.310	99.10	.0022	178.0
#1	1.317	.7478	.6605	2.684	.0188	.0019	.0008	5.843	.0000
#2	1.320	.7374	.6597	2.688	.0189	.0017	.0001	5.843	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0157	.0264	.0118	.0007
Stddev	.0000	.0001	.0006	.0000
%RSD	.1265	.4249	5.393	2.713
#1	.0157	.0263	.0113	.0007
#2	.0156	.0265	.0122	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137490.	47750.	2865.2	8602.1
Stddev	473.	28.	2.5	1.6
%RSD	.34407	.05951	.08797	.01902
#1	137830.	47729.	2863.4	8601.0
#2	137160.	47770.	2867.0	8603.3

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0592	.0001	.0014	-.0003	.0143	.0704	.0472	.0155	-.0005
Stddev	.0014	.0000	.0001	.0003	.0006	.0014	.0008	.0005	.0000
%RSD	2.315	60.17	7.667	104.8	4.521	1.935	1.700	3.490	3.107
#1	.0582	.0000	.0014	-.0005	.0148	.0713	.0478	.0158	-.0006
#2	.0602	.0001	.0013	-.0001	.0139	.0694	.0467	.0151	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0010	.1596	.0005	.0042	.0185	.0063	.0030	1.705	3.033
Stddev	.0004	.0012	.0033	.0039	.0010	.0026	.0015	.056	.041
%RSD	45.06	.7534	704.7	91.98	5.153	40.58	50.87	3.257	1.362
#1	.0007	.1604	.0028	.0070	.0192	.0045	.0019	1.665	3.004
#2	.0013	.1587	-.0019	.0015	.0178	.0081	.0041	1.744	3.062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.336	.7306	.5738	2.690	.0191	.0024	.0039	5.808	-.0003
Stddev	.028	.0409	.0238	.074	.0018	.0000	.0007	.034	.0023
%RSD	2.089	5.603	4.151	2.744	9.302	1.466	17.09	.5834	780.7
#1	1.316	.7017	.5570	2.638	.0203	.0025	.0043	5.832	-.0019
#2	1.355	.7596	.5907	2.743	.0178	.0024	.0034	5.784	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0157	.0261	.0245	.0008
Stddev	.0003	.0008	.0004	.0000
%RSD	1.762	3.095	1.834	6.423
#1	.0155	.0267	.0241	.0007
#2	.0159	.0256	.0248	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137820.	46480.	2887.7	8638.7
Stddev	1959.	607.	11.7	29.8
%RSD	1.4211	1.3056	.40496	.34445
#1	136430.	46909.	2879.4	8617.6
#2	139200.	46051.	2895.9	8659.7

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1143	.0000	.0054	.0105	.0251	.0131	.3803	.0200	.0007
Stddev	.0008	.0000	.0000	.0000	.0010	.0007	.0149	.0002	.0001
%RSD	.6672	148.3	.8075	.4610	4.100	4.947	3.928	.8062	9.238
#1	.1138	.0000	.0054	.0105	.0258	.0136	.3908	.0201	.0007
#2	.1149	.0000	.0054	.0106	.0244	.0127	.3697	.0199	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0071	.3477	.0040	.0007	.0121	.0049	.0063	.3774	87.20
Stddev	.0005	.0018	.0003	.0000	.0001	.0004	.0000	.0053	.51
%RSD	6.663	.5220	7.720	.4792	1.165	7.609	.0231	1.418	.5891
#1	.0074	.3464	.0038	.0007	.0122	.0052	.0063	.3811	86.84
#2	.0068	.3490	.0042	.0007	.0120	.0047	.0063	.3736	87.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	2.193	7.886	17.60	26.49	.2351	.0166	-.0011	8.021	-.0008
Stddev	.014	.044	.07	.08	.0010	.0001	.0003	.026	.0003
%RSD	.6465	.5610	.3850	.3157	.4244	.6779	25.64	.3209	33.31
#1	2.183	7.855	17.56	26.43	.2344	.0165	-.0009	8.002	-.0010
#2	2.203	7.917	17.65	26.55	.2358	.0167	-.0013	8.039	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.5370	.0037	.0173	.0005
Stddev	.0027	.0006	.0002	.0000
%RSD	.4962	17.32	.9831	4.014
#1	.5351	.0042	.0174	.0005
#2	.5389	.0033	.0172	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130970.	46293.	2705.3	8028.1
Stddev	4770.	172.	6.2	27.3
%RSD	3.6423	.37098	.22781	.34017
#1	127600.	46415.	2709.7	8047.4
#2	134340.	46172.	2701.0	8008.8

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0000	.0000	.0001	-.0002	.0003	.0002	.0003	.0001	.0001
Stddev	.0000	.000	.0001	.0000	.0002	.0001	.0000	.0001	.0000
%RSD	47.89	56.49	55.75	25.59	53.12	25.22	9.968	105.5	39.82
#1	.0000	.0000	.0001	-.0002	.0002	.0002	.0003	.0001	.0002
#2	.0000	-.0001	.0001	-.0002	.0004	.0002	.0003	.0000	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0005	.0019	-.0006	.0000	-.0004	.0015	-.0001	.0023	.0061
Stddev	.0000	.0001	.0004	.000	.0000	.0007	.0004	.0001	.0010
%RSD	3.680	7.564	63.26	114.6	6.567	46.19	243.6	3.867	16.02
#1	-.0005	.0020	-.0008	.0000	-.0005	.0010	-.0004	.0024	.0068
#2	-.0005	.0018	-.0003	.0000	-.0004	.0020	.0001	.0023	.0054

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0080	.0002	-.0184	.0171	.0006	.0002	.0006	.0173	.0001
Stddev	.0005	.0022	.0045	.0001	.0005	.0000	.0002	.0003	.0001
%RSD	6.022	1340.	24.34	.3091	79.08	6.591	29.80	1.561	236.0
#1	.0076	.0017	-.0216	.0171	.0009	.0002	.0007	.0175	.0002
#2	.0083	-.0014	-.0152	.0170	.0003	.0002	.0005	.0171	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0001	.0044	.0001
Stddev	.0000	.0000	.0004	.0000
%RSD	240.3	24.98	8.051	34.15
#1	.0000	.0001	.0047	.0002
#2	.0000	.0001	.0042	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	136290.	46976.	2868.3	8623.5
Stddev	872.	254.	.2	8.1
%RSD	.63958	.54068	.00753	.09392
#1	136910.	46796.	2868.4	8629.2
#2	135680.	47156.	2868.1	8617.8

◄ Zoom In ►
Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1469	.0001	.0002	.0004	.0019	.0008	1.685	.0029	.0002
Stddev	.0018	.0000	.0000	.0001	.0003	.0001	.096	.0001	.0002
%RSD	1.257	11.99	20.16	17.23	15.60	15.62	5.712	4.411	114.7
#1	.1455	.0000	.0002	.0004	.0021	.0008	1.753	.0029	.0000
#2	.1482	.0001	.0002	.0003	.0017	.0007	1.617	.0030	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0016	.0033	.0095	-.0005	-.0001	.0022	.0008	.1004	54.83
Stddev	.0001	.0000	.0003	.0006	.0003	.0000	.0002	.0003	1.07
%RSD	6.316	.3306	2.857	127.1	261.9	1.126	25.60	.3364	1.945
#1	.0017	.0033	.0093	-.0009	.0001	.0022	.0007	.1001	54.07
#2	.0015	.0033	.0097	-.0001	-.0004	.0021	.0010	.1006	55.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	16.35	5.668	15.19	57.95	.4253	.0031	.0001	9.248	-.0032
Stddev	.27	.105	.20	.76	.0013	.0000	.0004	.050	.0002
%RSD	1.653	1.858	1.290	1.310	.3141	.6542	530.2	.5414	6.685
#1	16.15	5.593	15.05	57.41	.4244	.0031	-.0002	9.213	-.0030
#2	16.54	5.742	15.33	58.49	.4263	.0031	.0004	9.284	-.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.2723	-.0065	.0184	.0005
Stddev	.0035	.0001	.0002	.0001
%RSD	1.283	1.126	1.254	26.71
#1	.2699	-.0066	.0185	.0005
#2	.2748	-.0065	.0182	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	131350.	45772.	2732.8	8031.3
Stddev	6321.	679.	12.3	26.9
%RSD	4.8125	1.4832	.44860	.33441
#1	126880.	46252.	2741.4	8050.3
#2	135810.	45292.	2724.1	8012.3

◄ Zoom In ►
Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2291	.0000	.0002	.0001	.0013	.0002	2.680	.0083	.0002
Stddev	.0006	.0000	.0001	.0000	.0002	.0000	.011	.0000	.0002
%RSD	.2525	38.81	27.94	7.850	15.47	14.04	.4009	.1575	76.32
#1	.2287	.0000	.0003	.0001	.0012	.0002	2.673	.0083	.0001
#2	.2296	.0001	.0002	.0001	.0015	.0002	2.688	.0083	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0009	.0007	-.0001	-.0008	-.0004	.0030	.0007	.0180	130.3
Stddev	.0003	.0001	.0001	.0008	.0003	.0005	.0005	.0020	1.3
%RSD	31.82	12.70	108.1	94.14	74.99	18.41	69.77	11.18	1.022
#1	.0007	.0006	.0000	-.0014	-.0006	.0034	.0011	.0166	129.3
#2	.0011	.0007	-.0002	-.0003	-.0002	.0026	.0004	.0195	131.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.510	55.62	10.92	117.0	.5848	.0037	-.0029	14.97	-.0041
Stddev	.004	.27	.04	.6	.0083	.0001	.0001	.22	.0004
%RSD	.3011	.4834	.3247	.5275	1.418	1.824	3.512	1.450	9.461
#1	1.506	55.43	10.89	116.5	.5906	.0036	-.0028	15.12	-.0038
#2	1.513	55.81	10.94	117.4	.5789	.0037	-.0030	14.82	-.0044

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.7304	-.0123	.0257	.0008
Stddev	.0013	.0000	.0001	.0001
%RSD	.1732	.2458	.4250	11.61
#1	.7295	-.0124	.0258	.0008
#2	.7313	-.0123	.0256	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	127070.	45384.	2605.2	7559.6
Stddev	475.	81.	35.8	91.6
%RSD	.37373	.17787	1.3746	1.2112
#1	127410.	45441.	2579.9	7494.9
#2	126740.	45327.	2630.6	7624.4

◄ Zoom In ►
Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.5758	.0001	.0001	.0002	.0009	.0285	2.791	.0166	.0002
Stddev	.0017	.0000	.0000	.0000	.0002	.0001	.004	.0000	.0002
%RSD	.2954	15.07	25.48	1.280	20.37	.4750	.1584	.1891	63.89
#1	.5746	.0001	.0001	.0002	.0010	.0284	2.794	.0166	.0004
#2	.5770	.0001	.0001	.0002	.0007	.0286	2.788	.0167	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0012	.0100	.0021	.0003	.0077	.0055	.0004	.5160	57.76
Stddev	.0001	.0000	.0002	.0005	.0001	.0011	.0001	.0081	.30
%RSD	10.48	.4607	11.56	189.0	1.836	19.28	32.30	1.573	.5243
#1	.0012	.0101	.0020	-.0001	.0076	.0062	.0004	.5103	57.98
#2	.0011	.0100	.0023	.0006	.0078	.0047	.0003	.5218	57.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	15.56	14.57	2.350	67.24	.0486	.0003	-.0001	8.013	-.0039
Stddev	.02	.05	.017	.15	.0001	.0000	.0004	.019	.0002
%RSD	.1453	.3720	.7073	.2187	.2869	2.045	404.3	.2362	5.454
#1	15.58	14.61	2.338	67.13	.0487	.0003	.0002	8.027	-.0040
#2	15.55	14.54	2.362	67.34	.0485	.0003	-.0003	8.000	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1577	.0051	.0165	.0005
Stddev	.0004	.0000	.0002	.0001
%RSD	.2784	.3725	1.045	27.14
#1	.1574	.0051	.0164	.0004
#2	.1580	.0051	.0166	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	132000.	46387.	2743.4	8003.5
Stddev	278.	100.	5.0	9.9
%RSD	.21037	.21473	.18249	.12389
#1	132200.	46458.	2739.8	7996.5
#2	131800.	46317.	2746.9	8010.5

◄ Zoom In ►
Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.6641	.0001	.0002	-.0008	.0004	.0004	4.871	.0078	.0007
Stddev	.0018	.0000	.0000	.0002	.0001	.0001	.039	.0002	.0001
%RSD	.2669	10.18	30.36	24.45	16.53	22.98	.8044	2.684	13.21
#1	.6629	.0001	.0001	-.0009	.0004	.0003	4.899	.0076	.0006
#2	.6654	.0001	.0002	-.0007	.0003	.0004	4.843	.0079	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0001	.0034	.0005	-.0009	.0010	.0055	.0003	.0317	77.06
Stddev	.0004	.0000	.0005	.0004	.0005	.0000	.0002	.0007	.73
%RSD	330.2	.0665	104.2	49.31	45.34	.2718	74.77	2.268	.9437
#1	-.0001	.0034	.0001	-.0006	.0007	.0055	.0004	.0322	76.54
#2	.0004	.0034	.0008	-.0012	.0013	.0055	.0001	.0311	77.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	18.80	18.29	2.390	108.2	.0638	.0003	-.0002	9.067	-.0049
Stddev	.15	.18	.011	.5	.0004	.0000	.0002	.018	.0002
%RSD	.7881	.9737	.4712	.4529	.6802	11.67	64.18	.1994	3.301
#1	18.70	18.17	2.382	107.8	.0641	.0003	-.0001	9.080	-.0047
#2	18.91	18.42	2.398	108.5	.0635	.0004	-.0003	9.055	-.0050

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.2347	-.0075	.0208	.0002
Stddev	.0007	.0002	.0005	.0001
%RSD	.2861	3.322	2.163	39.55
#1	.2342	-.0073	.0211	.0001
#2	.2352	-.0076	.0205	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	129100.	45459.	2683.8	7777.3
Stddev	430.	248.	5.8	14.2
%RSD	.33283	.54534	.21745	.18196
#1	128790.	45634.	2679.7	7767.3
#2	129400.	45283.	2687.9	7787.3

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
#1	2.012	2.049	1.989	2.043	1.981	1.985	1.968	40.30	41.24
#2	2.010	2.047	1.995	2.046	1.981	1.990	1.980	40.37	41.24
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
#1	41.35	41.27	41.25	40.45	1.984	2.028	1.939	5.057	2.056
#2	41.39	41.26	41.17	40.42	1.993	2.034	1.945	5.071	2.059
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
#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	.0011	.0003	.0001	.0003	.0001	.0007
%RSD	15.88	37.46	46.11	77.59	60.91	17.96	265.6	2.281	53.19
#1	.0003	.0003	.0004	.0006	-.0007	.0007	.0004	.0053	.0008
#2	.0002	.0002	.0009	.0021	-.0003	.0005	-.0001	.0055	.0017
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
#1	.0057	.0013	.0103	.0282	.0014	.0007	.0006	.0024	-.0001
#2	.0050	.0094	-.0020	.0321	.0010	.0007	.0010	.0024	.0001
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
#1	139150.	47250.	2894.5	8638.3
#2	133650.	47008.	2909.6	8647.2

Zoom In Zoom Out

Sample Name: JA59248-3 Acquired: 11/1/2010 15:57:19 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	.2189	.0000	.0000	-.0005	.0013	.0406	.0418	.0024	-.0001
Stddev	.0001	.000	.0001	.0002	.0001	.0001	.0002	.0001	.0001
%RSD	.0645	17.37	2368.	33.48	6.513	.2867	.4196	5.683	49.97
#1	.2188	.0000	-.0001	-.0006	.0012	.0406	.0417	.0023	-.0001
#2	.2190	.0000	.0001	-.0003	.0014	.0405	.0419	.0025	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0016	.0140	.0004	.0003	.0006	.0038	.0003	.3678	92.80
Stddev	.0001	.0001	.0002	.0009	.0001	.0013	.0005	.0013	.58
%RSD	4.439	.4666	58.30	336.8	14.06	34.56	190.1	.3427	.6261
#1	.0017	.0140	.0002	.0009	.0007	.0029	.0006	.3669	92.39
#2	.0016	.0139	.0006	-.0004	.0005	.0047	-.0001	.3687	93.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.4970	21.40	2.258	50.29	.0494	.0016	-.0019	9.417	-.0017
Stddev	.0014	.02	.001	.03	.0001	.0000	.0004	.017	.0003
%RSD	.2720	.0726	.0396	.0555	.1996	2.518	20.31	.1807	15.15
#1	.4961	21.41	2.259	50.31	.0495	.0016	-.0016	9.429	-.0015
#2	.4980	21.39	2.258	50.27	.0493	.0016	-.0022	9.405	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1782	-.0011	.0225	.0005
Stddev	.0000	.0000	.0002	.0001
%RSD	.0078	4.185	.7555	10.59
#1	.1782	-.0012	.0226	.0005
#2	.1782	-.0011	.0224	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130920.	46091.	2684.8	7898.6
Stddev	143.	17.	.6	31.9
%RSD	.10912	.03637	.02378	.40376
#1	130820.	46080.	2685.3	7921.1
#2	131020.	46103.	2684.4	7876.0

Zoom In Zoom Out

Sample Name: JA59262-1 Acquired: 11/1/2010 16:03:33 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	.1145	.0000	.0001	.0007	.0048	-.0004	.7101	.0027	-.0001
Stddev	.0002	.000	.0001	.0000	.0000	.0003	.0015	.0001	.0000
%RSD	.1524	141.7	50.75	2.700	.4858	86.32	.2091	3.018	39.94
#1	.1144	.0000	.0002	.0007	.0048	-.0006	.7112	.0027	-.0001
#2	.1147	.0000	.0001	.0006	.0048	-.0002	.7091	.0028	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0009	.0037	.0142	.0003	-.0008	.0016	.0002	.0995	54.02
Stddev	.0001	.0001	.0001	.0007	.0002	.0013	.0001	.0027	.09
%RSD	16.99	1.383	.9497	226.0	23.70	81.90	54.72	2.698	.1629
#1	.0010	.0037	.0141	-.0002	-.0009	.0007	.0001	.0976	53.96
#2	.0008	.0037	.0143	.0009	-.0007	.0025	.0003	.1014	54.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	16.91	9.946	2.343	22.42	.4086	.0023	.0003	8.788	-.0028
Stddev	.04	.009	.001	.12	.0001	.0000	.0005	.043	.0001
%RSD	.2119	.0922	.0595	.5415	.0206	.8808	168.3	.4932	5.102
#1	16.89	9.939	2.344	22.34	.4085	.0023	-.0001	8.819	-.0027
#2	16.94	9.952	2.342	22.51	.4086	.0023	.0007	8.757	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1773	-.0034	.0209	.0006
Stddev	.0002	.0001	.0008	.0001
%RSD	.1291	2.878	3.744	13.82
#1	.1772	-.0035	.0214	.0005
#2	.1775	-.0033	.0203	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	131990.	46192.	2741.4	8122.2
Stddev	270.	73.	6.2	6.2
%RSD	.20452	.15839	.22696	.07694
#1	132190.	46244.	2737.0	8117.8
#2	131800.	46141.	2745.8	8126.6

Zoom In Zoom Out

Sample Name: JA59262-2 Acquired: 11/1/2010 16:09:39 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	.1256	.0000	.0000	.0013	.0003	-.0002	.6912	.0011	-.0002
Stddev	.0041	.000	.0000	.0001	.0000	.0002	.0013	.0001	.0001
%RSD	3.261	17.63	2394.	9.619	8.013	75.83	.1813	8.678	46.59
#1	.1285	.0000	.0000	.0013	.0003	-.0001	.6903	.0010	-.0002
#2	.1227	.0000	.0000	.0012	.0003	-.0004	.6921	.0012	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0005	.0042	.0172	-.0004	-.0004	.0023	-.0001	.0204	52.31
Stddev	.0002	.0001	.0011	.0006	.0004	.0019	.0003	.0029	1.45
%RSD	38.89	1.929	6.316	130.9	116.3	80.97	291.7	14.23	2.774
#1	.0004	.0041	.0164	.0000	-.0001	.0037	.0001	.0184	53.34
#2	.0007	.0042	.0180	-.0008	-.0007	.0010	-.0003	.0225	51.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	19.84	10.09	2.257	22.57	.4058	.0018	.0009	8.597	-.0026
Stddev	.59	.26	.068	.73	.0023	.0000	.0004	.012	.0003
%RSD	2.957	2.576	3.001	3.241	.5663	.3761	42.74	.1439	11.63
#1	20.26	10.27	2.305	23.09	.4042	.0018	.0011	8.588	-.0024
#2	19.43	9.903	2.209	22.05	.4074	.0018	.0006	8.606	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1673	-.0071	.0185	.0004
Stddev	.0055	.0003	.0002	.0000
%RSD	3.314	4.606	.8296	10.06
#1	.1712	-.0069	.0186	.0004
#2	.1634	-.0073	.0184	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	132080.	45175.	2754.0	8166.0
Stddev	202.	1092.	7.2	35.4
%RSD	.15279	2.4164	.26259	.43322
#1	132220.	44403.	2759.1	8191.0
#2	131940.	45946.	2748.9	8141.0

Zoom In Zoom Out

Sample Name: JA59262-3 Acquired: 11/1/2010 16:15:43 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	.3113	.0000	.0001	-.0004	.0010	-.0005	1.064	.0013	.0001
Stddev	.0006	.000	.0000	.0001	.0002	.0001	.004	.0000	.0003
%RSD	.1892	54.29	27.22	22.76	21.45	18.26	.4275	3.129	261.3
#1	.3117	.0000	.0001	-.0004	.0011	-.0005	1.067	.0013	-.0001
#2	.3109	.0000	.0002	-.0003	.0008	-.0004	1.061	.0013	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0010	.0031	.0149	-.0002	-.0005	.0042	.0007	.0724	85.44
Stddev	.0000	.0001	.0002	.0004	.0001	.0002	.0004	.0024	.55
%RSD	2.851	3.503	1.403	253.0	22.20	4.992	53.72	3.317	.6428
#1	.0010	.0031	.0151	.0001	-.0006	.0040	.0009	.0707	85.05
#2	.0010	.0030	.0148	-.0005	-.0005	.0043	.0004	.0741	85.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	30.46	12.09	5.612	65.57	.1541	.0011	.0003	12.00	-.0037
Stddev	.13	.11	.024	.36	.0003	.0001	.0007	.01	.0001
%RSD	.4276	.8737	.4265	.5444	.1679	8.102	223.7	.1100	2.963
#1	30.37	12.01	5.629	65.82	.1543	.0010	-.0002	12.00	-.0036
#2	30.56	12.16	5.595	65.31	.1539	.0011	.0008	11.99	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3919	-.0078	.0237	.0006
Stddev	.0003	.0003	.0007	.0001
%RSD	.0737	4.291	2.881	14.10
#1	.3921	-.0076	.0242	.0006
#2	.3917	-.0081	.0232	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130050.	45675.	2681.8	7846.6
Stddev	156.	143.	2.5	.6
%RSD	.11997	.31261	.09389	.00708
#1	130160.	45776.	2680.0	7846.2
#2	129940.	45574.	2683.6	7847.0

Zoom In Zoom Out

Sample Name: JA59262-4 Acquired: 11/1/2010 16:21:48 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	.2136	.0000	.0000	-.0009	.0003	-.0003	.1686	.0005	.0000
Stddev	.0000	.000	.0000	.0001	.0001	.0001	.0003	.0001	.000
%RSD	.0217	46.30	5119.	16.33	26.02	34.00	.1769	19.45	135.0
#1	.2136	.0000	.0000	-.0010	.0002	-.0002	.1684	.0006	.0000
#2	.2135	.0000	.0000	-.0008	.0003	-.0003	.1688	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0002	.0040	.0161	.0008	-.0005	.0026	.0003	.0781	69.44
Stddev	.0000	.0001	.0001	.0003	.0014	.0005	.0004	.0008	.04
%RSD	9.155	3.425	.8577	32.48	269.0	20.25	117.1	1.075	.0559
#1	.0002	.0039	.0162	.0010	.0005	.0022	.0001	.0787	69.41
#2	.0001	.0041	.0161	.0006	-.0016	.0029	.0006	.0775	69.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1135	16.82	.9905	17.86	.0129	.0006	-.0010	8.835	-.0021
Stddev	.0002	.03	.0018	.02	.0004	.0001	.0002	.061	.0002
%RSD	.1527	.1557	.1828	.1259	3.470	15.48	21.35	.6897	7.758
#1	.1134	16.80	.9918	17.88	.0132	.0006	-.0009	8.792	-.0022
#2	.1137	16.84	.9892	17.85	.0126	.0007	-.0012	8.878	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1903	-.0063	.0150	.0002
Stddev	.0002	.0001	.0000	.0001
%RSD	.0853	1.451	.0386	56.33
#1	.1904	-.0064	.0150	.0003
#2	.1902	-.0062	.0150	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130540.	45713.	2757.8	8189.7
Stddev	8.	25.	21.8	47.7
%RSD	.00625	.05537	.78898	.58262
#1	130530.	45731.	2773.2	8223.5
#2	130540.	45695.	2742.4	8156.0

Zoom In Zoom Out

Sample Name: JA59262-5 Acquired: 11/1/2010 16:27:55 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	.1847	.0000	.0001	-.0009	.0008	-.0004	1.059	.0010	-.0002
Stddev	.0005	.000	.0001	.0000	.0000	.0001	.001	.0001	.0001
%RSD	.2717	31.84	46.98	4.612	.7253	26.65	.1127	5.801	65.48
#1	.1844	.0000	.0001	-.0010	.0008	-.0004	1.060	.0009	-.0001
#2	.1851	.0000	.0001	-.0009	.0008	-.0003	1.058	.0010	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0009	.0021	.0033	.0002	-.0002	.0025	.0005	.1708	80.65
Stddev	.0001	.0001	.0001	.0002	.0002	.0002	.0002	.0049	.17
%RSD	11.25	4.378	1.594	96.85	106.4	8.012	32.48	2.875	.2095
#1	.0008	.0020	.0033	.0001	.0000	.0026	.0006	.1742	80.77
#2	.0010	.0021	.0033	.0004	-.0003	.0024	.0004	.1673	80.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	13.84	14.33	3.699	40.96	.0931	.0017	-.0001	10.64	-.0030
Stddev	.01	.05	.015	.08	.0005	.0000	.0009	.03	.0003
%RSD	.0618	.3717	.4063	.2015	.5606	.9675	635.2	.3125	8.570
#1	13.85	14.37	3.689	40.90	.0935	.0017	-.0008	10.66	-.0028
#2	13.84	14.29	3.710	41.01	.0928	.0017	.0005	10.62	-.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3036	-.0013	.0185	.0005
Stddev	.0003	.0000	.0003	.0000
%RSD	.0919	.6648	1.746	9.101
#1	.3034	-.0013	.0182	.0005
#2	.3038	-.0013	.0187	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130630.	45787.	2710.9	7974.4
Stddev	87.	107.	10.9	20.8
%RSD	.06645	.23425	.40050	.26047
#1	130570.	45711.	2703.2	7959.7
#2	130690.	45862.	2718.6	7989.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 11/1/2010 16:34:02 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	.0010	.0012	.0014	.0021	.0005	-.0011	.0013
Stddev	.0000	.0000	.0001	.0001	.0002	.0003	.0001	.0001	.0001
%RSD	.1346	73.34	7.741	10.92	17.78	14.05	11.92	7.968	8.619
#1	-.0040	.0000	.0010	.0013	.0012	.0023	.0005	-.0011	.0014
#2	-.0040	.0001	.0011	.0011	.0015	.0019	.0006	-.0010	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0002	.0005	-.0022	-.0016	.0000	-.0001	511.3	393.4
Stddev	.0004	.0000	.0001	.0012	.0013	.003	.0017	3.1	.4
%RSD	17.18	.3419	20.10	56.41	83.11	6501.	2586.	.6040	.0966
#1	.0021	.0002	.0004	-.0031	-.0026	-.0018	-.0013	509.1	393.2
#2	.0026	.0002	.0006	-.0013	-.0007	.0017	.0012	513.4	393.7
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	192.2	555.0	.0194	.4925	-.0017	.0032	-.0076	-.0078	-.0074
Stddev	.9	1.1	.0167	.0002	.0000	.0001	.0009	.0008	.0003
%RSD	.4585	.1954	86.13	.0505	2.215	2.800	12.43	10.82	3.605
#1	191.6	555.8	.0076	.4923	-.0017	.0032	-.0082	-.0084	-.0072
#2	192.9	554.3	.0313	.4927	-.0017	.0033	-.0069	-.0072	-.0076
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: ICSA Acquired: 11/1/2010 16:34:02 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	.0405	.0009
Stddev	.0000	.0006	.0015	.0001
%RSD	6.798	12.75	3.794	6.658
#1	.0007	.0039	.0395	.0009
#2	.0006	.0047	.0416	.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	120460.	43040.	2519.4	6570.0
Stddev	313.	.	3.1	4.5
%RSD	.25963	.00069	.12326	.06889
#1	120240.	43040.	2517.2	6566.8
#2	120680.	43040.	2521.5	6573.2

Zoom In Zoom Out

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	Ba4554	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	Tl1908	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	.5219	.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	.5221	.5896	-.0067	-.0062
#2	196.3	556.8	.0328	.4922	-.0024	.5218	.5694	-.0071	-.0073
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 11/1/2010 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

Zoom In Zoom Out

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	.2447
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	.2442
#2	2.009	2.074	2.013	2.037	2.013	1.945	2.021	2.019	.2452
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	1.998	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									

Zoom In Zoom Out

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

Zoom In / Zoom Out

Sample Name: CCB Acquired: 11/1/2010 16:52:41 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	.0003	.0002	.0001	.0000	.0002	.0000	.0002	-.0001	.0001
Stddev	.0001	.0001	.0000	.000	.0003	.0002	.0000	.0001	.0000
%RSD	28.44	27.76	38.31	241.9	158.3	3050.	5.118	109.6	27.40
#1	.0002	.0002	.0001	.0000	.0000	-.0001	.0002	.0000	.0001
#2	.0003	.0002	.0000	-.0001	.0003	.0002	.0002	-.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	.0001	-.0001	.0005	.0016	-.0003	.0006	-.0003	.0133	.0066
Stddev	.0002	.0001	.0004	.0004	.0001	.0002	.0004	.0024	.0022
%RSD	125.3	84.25	80.32	23.81	26.87	40.04	155.9	18.06	33.88
#1	.0002	-.0002	.0002	.0018	-.0002	.0004	.0000	.0150	.0050
#2	.0000	-.0001	.0008	.0013	-.0004	.0007	-.0006	.0116	.0082
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	.0085	.0187	.0034	.0116	.0008	.0005	.0003	.0029	-.0001
Stddev	.0009	.0025	.0041	.0003	.0002	.0001	.0003	.0002	.0001
%RSD	10.62	13.30	120.7	2.510	22.09	12.15	108.9	7.535	150.3
#1	.0079	.0170	.0005	.0118	.0009	.0005	.0001	.0031	-.0002
#2	.0092	.0205	.0064	.0114	.0007	.0005	.0005	.0028	.0000
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 16:52:41 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	.0002	.0004	.0141	.0006
Stddev	.0000	.0001	.0014	.0001
%RSD	4.678	35.04	9.658	17.74
#1	.0002	.0003	.0151	.0005
#2	.0002	.0005	.0132	.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	136570.	46060.	2895.9	8632.3
Stddev	256.	547.	5.1	6.8
%RSD	.18734	1.1871	.17476	.07907
#1	136390.	46446.	2892.3	8627.5
#2	136750.	45673.	2899.4	8637.1

Zoom In / Zoom Out

Sample Name: MP55421-MB1 2 Acquired: 11/1/2010 16:58:54 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	.0003	.0000	.0000	.0000	-.0003	.0003	.0010	.0002	-.0001
Stddev	.0000	.0000	.0000	.0000	.0001	.0000	.0000	.0001	.0000
%RSD	2.545	94.34	13.53	41.04	30.30	5.541	2.684	56.35	15.30
#1	.0003	.0000	.0001	.0000	-.0003	.0003	.0010	.0003	-.0001
#2	.0003	.0000	.0000	.0000	-.0002	.0003	.0010	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0003	.0015	.0006	.0022	.0007	-.0004	-.0002	.0138	.0065
Stddev	.0003	.0001	.0004	.0003	.0001	.0001	.0000	.0027	.0019
%RSD	87.05	4.014	66.72	15.94	8.220	28.48	25.95	19.76	28.75
#1	-.0001	.0016	.0009	.0024	.0007	-.0003	-.0002	.0157	.0078
#2	-.0005	.0015	.0003	.0019	.0006	-.0004	-.0001	.0119	.0052

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0254	.0065	-.0046	-.0004	.0002	.0001	.0008	.0021	.0058
Stddev	.0004	.0013	.0036	.0007	.0003	.0000	.0005	.0003	.0002
%RSD	1.484	19.99	77.85	168.7	134.7	18.87	64.21	14.62	3.310
#1	.0256	.0056	-.0071	-.0010	.0000	.0001	.0004	.0023	.0057
#2	.0251	.0074	-.0021	.0001	.0005	.0001	.0011	.0019	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0005	.0046	.0002
Stddev	.0000	.0000	.0000	.0001
%RSD	33.68	6.129	.8076	31.50
#1	.0001	.0006	.0046	.0003
#2	.0000	.0005	.0047	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139070.	46646.	2857.7	8615.2
Stddev	1516.	428.	3.2	6.8
%RSD	1.0903	.91667	.11333	.07841
#1	140150.	46343.	2855.4	8610.5
#2	138000.	46948.	2860.0	8620.0

Zoom In / Zoom Out

Sample Name: MP55421-B1 Acquired: 11/1/2010 17:05:05 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	3.950	.1012	.0934	1.008	.4032	.4720	1.021	.9832	.0991
Stddev	.045	.0003	.0004	.001	.0003	.0005	.000	.0013	.0002
%RSD	1.144	.2935	.4528	.0451	.0628	.1076	.0349	.1346	.2283
#1	3.919	.1010	.0937	1.009	.4033	.4724	1.021	.9822	.0993
#2	3.982	.1014	.0931	1.008	.4030	.4716	1.021	.9841	.0990

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.9248	.9954	3.840	3.774	.9429	3.731	.9725	52.47	12.34
Stddev	.0005	.0014	.001	.000	.0004	.002	.0016	.05	.03
%RSD	.0572	.1419	.0173	.0035	.0423	.0536	.1628	.0995	.2525
#1	.9252	.9964	3.840	3.774	.9432	3.732	.9713	52.43	12.32
#2	.9244	.9944	3.841	3.773	.9426	3.729	.9736	52.51	12.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	51.93	12.06	12.55	12.74	.0006	-.0006	.0074	.0167	.0139
Stddev	.11	.01	.01	.01	.0004	.0001	.0009	.0001	.0005
%RSD	.2182	.0507	.1156	.0902	62.73	19.93	12.25	.6397	3.363
#1	51.85	12.06	12.54	12.74	.0009	-.0007	.0067	.0168	.0142
#2	52.01	12.07	12.56	12.75	.0003	-.0005	.0080	.0166	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0011	.0013	.0547	.0012
Stddev	.0000	.0002	.0008	.0001
%RSD	1.410	12.25	1.536	6.003
#1	.0011	.0012	.0553	.0012
#2	.0010	.0014	.0541	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	132650.	46054.	2792.4	8132.6
Stddev	24.	39.	.0	4.1
%RSD	.01782	.08496	.00163	.04997
#1	132630.	46081.	2792.4	8135.5
#2	132660.	46026.	2792.5	8129.7

Zoom In Zoom Out

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	.0888	.9789	.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	.6921	.4277
#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	.2004
#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	.0725	.1146
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

Zoom In Zoom Out

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	.1237
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

Zoom In Zoom Out

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	57.47	.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	.5219	.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

Zoom In Zoom Out

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

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.8043	.0060	.0014	.0914	.1268	.1257	9.338	.1711	-.0011
Stddev	.0029	.0000	.0001	.0000	.0002	.0005	.095	.0003	.0001
%RSD	.3642	.6536	5.710	.0032	.1763	.3742	1.021	.1999	5.136
#1	.8023	.0060	.0013	.0914	.1266	.1253	9.270	.1708	-.0010
#2	.8064	.0060	.0015	.0914	.1269	.1260	9.405	.1713	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1187	.4272	.0917	-.0026	.1252	.0079	.0009	103.5	12.98
Stddev	.0006	.0004	.0008	.0002	.0013	.0002	.0004	.3	.04
%RSD	.5319	.1020	.8213	6.629	1.054	2.191	37.35	.2879	.3290
#1	.1191	.4268	.0922	-.0025	.1242	.0078	.0007	103.3	12.95
#2	.1182	.4275	.0912	-.0027	.1261	.0080	.0012	103.7	13.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	211.9	28.29	15.08	.5005	.0212	.0039	.0090	1.528	.0077
Stddev	1.9	.06	.00	.0021	.0003	.0000	.0009	.008	.0007
%RSD	.8992	.2037	.0252	.4277	1.220	1.131	9.559	.5126	9.115
#1	210.6	28.25	15.08	.4990	.0213	.0040	.0083	1.523	.0082
#2	213.3	28.33	15.07	.5020	.0210	.0039	.0096	1.534	.0072

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0628	.3583	.0333	.0939
Stddev	.0002	.0036	.0005	.0006
%RSD	.3596	1.009	1.442	.5874
#1	.0627	.3557	.0330	.0935
#2	.0630	.3608	.0337	.0943

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	140880.	48096.	2914.3	7929.7
Stddev	183.	84.	10.4	21.5
%RSD	.13024	.17468	.35606	.27095
#1	141010.	48155.	2921.7	7944.9
#2	140750.	48036.	2907.0	7914.5

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.8178	.0054	.0011	.0931	.1110	.1369	7.564	.1761	-.0011
Stddev	.0174	.0001	.0001	.0001	.0009	.0011	.104	.0007	.0001
%RSD	2.132	2.181	7.358	.1156	.7912	.7785	1.375	.4136	7.287
#1	.8055	.0053	.0012	.0932	.1117	.1362	7.638	.1766	-.0012
#2	.8301	.0054	.0011	.0930	.1104	.1377	7.490	.1755	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1109	.4303	.0971	-.0017	.1257	.0068	.0006	105.4	9.259
Stddev	.0003	.0008	.0004	.0005	.0011	.0009	.0000	2.4	.217
%RSD	.2581	.1953	.4383	28.55	.8485	13.43	.9330	2.275	2.346
#1	.1111	.4309	.0974	-.0014	.1249	.0061	.0006	103.7	9.105
#2	.1107	.4297	.0968	-.0021	.1264	.0074	.0006	107.1	9.413

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	184.3	31.64	16.22	.5143	.0214	-.0001	.0075	1.939	.0058
Stddev	3.8	.74	.35	.0127	.0007	.0001	.0028	.014	.0000
%RSD	2.082	2.326	2.151	2.472	3.310	98.56	37.67	.7034	.5338
#1	181.6	31.12	15.97	.5053	.0209	.0000	.0055	1.949	.0058
#2	187.1	32.16	16.47	.5232	.0219	-.0002	.0095	1.930	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0572	.4843	.0282	.0969
Stddev	.0011	.0001	.0004	.0003
%RSD	1.907	.0118	1.409	.3019
#1	.0564	.4843	.0285	.0967
#2	.0579	.4842	.0280	.0971

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	141360.	48930.	2942.0	7951.8
Stddev	83.	985.	6.7	14.2
%RSD	.05879	2.0139	.22669	.17913
#1	141300.	49626.	2946.7	7961.8
#2	141420.	48233.	2937.2	7941.7

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.6576	.0045	.0018	.0743	.0843	.1097	9.601	.1427	-.0004
Stddev	.0172	.0001	.0000	.0004	.0002	.0018	.166	.0008	.0001
%RSD	2.617	2.587	.2801	.5000	.1827	1.676	1.729	.5593	14.87
#1	.6454	.0044	.0018	.0745	.0842	.1084	9.483	.1433	-.0005
#2	.6698	.0046	.0018	.0740	.0845	.1110	9.718	.1422	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0862	.3536	.0871	-.0013	.0959	.0067	.0012	77.96	13.42
Stddev	.0006	.0015	.0015	.0008	.0003	.0024	.0006	2.21	.42
%RSD	.7501	.4159	1.725	62.24	.3517	35.90	48.71	2.835	3.100
#1	.0858	.3547	.0881	-.0007	.0957	.0050	.0016	76.40	13.13
#2	.0867	.3526	.0860	-.0019	.0962	.0084	.0008	79.52	13.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	151.5	23.84	13.57	.4303	.0215	-.0003	.0060	1.478	.0057
Stddev	5.3	.78	.34	.0128	.0002	.0000	.0022	.005	.0001
%RSD	3.487	3.285	2.507	2.974	.9343	2.166	36.84	.3508	1.234
#1	147.8	23.29	13.33	.4212	.0213	-.0003	.0044	1.482	.0058
#2	155.3	24.40	13.81	.4393	.0216	-.0003	.0075	1.474	.0057

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0674	.4232	.0254	.0848
Stddev	.0019	.0001	.0005	.0010
%RSD	2.753	.0161	2.045	1.216
#1	.0661	.4232	.0251	.0841
#2	.0687	.4233	.0258	.0855

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	141880.	48601.	2944.3	8035.4
Stddev	1150.	1365.	2.3	8.9
%RSD	.81072	2.8076	.07742	.11117
#1	142690.	49566.	2945.9	8041.8
#2	141070.	47636.	2942.6	8029.1

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.7611	.0053	.0009	.0994	.1053	.1069	9.779	.1633	-.0005
Stddev	.0006	.0000	.0001	.0002	.0004	.0002	.115	.0007	.0002
%RSD	.0841	.3751	8.190	.1698	.3346	.1430	1.178	.4179	44.85
#1	.7616	.0054	.0008	.0993	.1051	.1068	9.698	.1628	-.0006
#2	.7607	.0053	.0009	.0995	.1056	.1070	9.860	.1637	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1044	.3985	.0928	-.0012	.1257	.0081	.0003	97.40	9.519
Stddev	.0007	.0009	.0001	.0007	.0000	.0001	.0002	.14	.023
%RSD	.6267	.2253	.1058	60.46	.0218	.7016	64.44	.1470	.2399
#1	.1040	.3979	.0927	-.0007	.1256	.0082	.0001	97.50	9.536
#2	.1049	.3991	.0929	-.0017	.1257	.0081	.0004	97.29	9.503

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	172.2	28.91	15.00	.4677	.0220	-.0004	.0079	1.702	.0061
Stddev	.9	.15	.03	.0001	.0003	.0000	.0005	.002	.0001
%RSD	.5358	.5123	.2314	.0182	1.263	5.326	6.657	.1403	2.045
#1	172.9	29.01	15.03	.4678	.0218	-.0004	.0082	1.704	.0062
#2	171.6	28.81	14.98	.4677	.0222	-.0005	.0075	1.701	.0060

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0552	.4785	.0296	.0878
Stddev	.0000	.0052	.0002	.0011
%RSD	.0777	1.082	.5154	1.256
#1	.0553	.4748	.0297	.0870
#2	.0552	.4821	.0295	.0886

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	141360.	48030.	2916.8	7939.5
Stddev	1358.	5.	9.2	23.1
%RSD	.96037	.01128	.31448	.29082
#1	142320.	48026.	2923.3	7955.9
#2	140400.	48034.	2910.4	7923.2

Inst QC: MA25275

Zoom In / Zoom Out

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	.2462
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	.2466
#2	2.015	2.080	2.008	2.030	2.019	1.943	2.027	2.012	.2457
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									

Zoom In / Zoom Out

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

Zoom In / Zoom Out

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	.0100								
Low Limit	-.0100								

Zoom In / Zoom Out

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

Inst QC: MA25275

Zoom In / Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2014	.0021	.0029	.0527	.0102	.0093	.0166	.0110	.0048
Stddev	.0007	.0000	.0001	.0002	.0001	.0001	.0000	.0002	.0000
%RSD	.3340	.3813	2.893	.3336	1.055	.8501	.2478	1.399	.3307
#1	.2010	.0021	.0030	.0528	.0101	.0093	.0166	.0112	.0048
#2	.2019	.0021	.0028	.0526	.0102	.0094	.0167	.0109	.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	.0229	.0086	.0125	.0031	.0119	.0059	.2028	5.299
Stddev	.0002	.0001	.0007	.0013	.0001	.0000	.0001	.0019	.023
%RSD	.5059	.4684	8.574	10.67	2.255	.0070	1.542	.9264	.4276
#1	.0483	.0228	.0092	.0116	.0030	.0119	.0059	.2015	5.315
#2	.0486	.0230	.0081	.0135	.0031	.0119	.0060	.2042	5.283
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	.1266	5.035	10.07	10.14	.1001	.0216	.0492	.2106	.0103
Stddev	.0014	.010	.02	.03	.0002	.0002	.0001	.0045	.0002
%RSD	1.071	.2057	.2329	.2660	.2411	1.086	.2665	2.124	1.688
#1	.1257	5.042	10.06	10.12	.1002	.0217	.0493	.2074	.0104
#2	.1276	5.027	10.09	10.16	.0999	.0214	.0491	.2137	.0102
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: 11/1/2010 18:13:07 Type: QC
Method: Accutest1(v58) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0108	.0103	.0613	F .0005
Stddev	.0000	.0001	.0003	.0000
%RSD	.2315	1.156	.5403	1.713
#1	.0108	.0102	.0611	.0005
#2	.0108	.0103	.0615	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.2000
Range				-50.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	137670.	46022.	2918.2	8549.8
Stddev	221.	198.	10.3	6.7
%RSD	.16038	.42956	.35386	.07834
#1	137830.	45883.	2910.9	8545.0
#2	137510.	46162.	2925.5	8554.5

Zoom In / Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.0039	.0010	.0010	.0026	.0015	.0018	.0033	.0043	.0008
Stddev	.0000	.0000	.0000	.0001	.0002	.0002	.0000	.0002	.0001
%RSD	.6978	1.557	1.892	2.028	14.27	9.558	.3765	3.745	16.91
#1	.0039	.0010	.0010	.0026	.0013	.0017	.0033	.0044	.0007
#2	.0039	.0010	.0010	.0026	.0016	.0019	.0033	.0042	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0019	.0114	.0028	.0032	.0020	.0051	.0031	.0944	1.010
Stddev	.0000	.0001	.0003	.0003	.0003	.0000	.0001	.0023	.002
%RSD	2.474	.6177	9.658	10.49	13.84	.0115	3.596	2.408	.1936
#1	.0018	.0115	.0027	.0030	.0018	.0051	.0032	.0960	1.008
#2	.0019	.0114	.0030	.0034	.0022	.0051	.0031	.0928	1.011

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0045	.0950	1.990	.9945	.0103	.0002	-.0001	.0019	-.0001
Stddev	.0001	.0001	.002	.0000	.0003	.0000	.0003	.0006	.0005
%RSD	1.225	.1536	.1121	.0005	2.994	8.030	255.6	33.38	331.0
#1	.0046	.0951	1.992	.9945	.0105	.0002	.0001	.0014	-.0005
#2	.0045	.0949	1.988	.9945	.0101	.0002	-.0003	.0023	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0001	.0062	.0002
Stddev	.000	.0002	.0001	.0000
%RSD	107.8	400.7	1.267	3.040
#1	.0000	.0002	.0061	.0002
#2	.0000	-.0001	.0062	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138430.	46112.	2906.8	8639.0
Stddev	199.	11.	7.0	27.9
%RSD	.14373	.02404	.24117	.32292
#1	138290.	46104.	2911.8	8658.7
#2	138570.	46120.	2901.9	8619.2

Zoom In / Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2044	.0021	.0030	.0529	.0107	.0096	.0170	.0111	.0050
Stddev	.0020	.0000	.0000	.0001	.0003	.0003	.0003	.0001	.0004
%RSD	.9769	1.995	1.602	.2313	2.432	3.521	1.886	1.103	7.875
#1	.2030	.0021	.0031	.0528	.0109	.0099	.0172	.0110	.0053
#2	.2058	.0021	.0030	.0530	.0105	.0094	.0168	.0112	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0502	.0232	.0083	.0125	.0027	.0118	.0059	.2009	5.361
Stddev	.0009	.0002	.0003	.0002	.0000	.0001	.0001	.0023	.050
%RSD	1.748	1.018	3.441	1.782	.5461	1.207	1.807	1.143	.9236
#1	.0508	.0230	.0085	.0124	.0027	.0119	.0060	.2025	5.326
#2	.0496	.0233	.0081	.0127	.0027	.0117	.0059	.1992	5.396

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1269	5.093	10.23	10.30	.1011	.0216	.0501	.2092	.0101
Stddev	.0012	.058	.08	.08	.0000	.0000	.0003	.0009	.0000
%RSD	.9549	1.140	.8012	.7980	.0481	.1216	.5701	.4275	.1304
#1	.1260	5.052	10.17	10.24	.1011	.0215	.0503	.2086	.0101
#2	.1277	5.134	10.29	10.35	.1011	.0216	.0499	.2098	.0101

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0109	.0105	.0582	.0001
Stddev	.0001	.0002	.0001	.0000
%RSD	1.150	2.129	.2013	38.70
#1	.0109	.0107	.0582	.0001
#2	.0110	.0103	.0583	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134250.	45607.	2900.4	8490.0
Stddev	2179.	373.	1.1	7.1
%RSD	1.6231	.81790	.03790	.08309
#1	132710.	45871.	2899.7	8495.0
#2	135790.	45343.	2901.2	8485.0

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 11/1/2010 18:31:31 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	.0040	.0010	.0010	.0025	.0014	.0018	.0033	.0045	.0010
Stddev	.0000	.0000	.0001	.0000	.0000	.0003	.0000	.0002	.0001
%RSD	1.260	.8330	8.489	1.330	3.280	13.86	.0407	3.587	6.148
#1	.0039	.0010	.0009	.0025	.0014	.0020	.0033	.0047	.0010
#2	.0040	.0010	.0010	.0025	.0014	.0016	.0033	.0044	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0016	.0115	.0034	.0030	.0024	.0055	.0025	.0960	1.017
Stddev	.0000	.0002	.0003	.0010	.0002	.0008	.0002	.0032	.001
%RSD	2.218	1.648	8.876	34.11	8.128	14.44	7.611	3.356	.0815
#1	.0016	.0113	.0032	.0023	.0023	.0049	.0026	.0937	1.017
#2	.0016	.0116	.0037	.0038	.0025	.0061	.0024	.0983	1.018

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0042	.0963	1.994	1.001	.0101	.0002	.0003	.0014	-.0004
Stddev	.0001	.0045	.001	.004	.0000	.0000	.0004	.0006	.0000
%RSD	2.017	4.667	.0378	.3958	.4109	7.039	155.8	43.71	11.91
#1	.0042	.0995	1.993	1.004	.0101	.0002	.0000	.0010	-.0004
#2	.0043	.0932	1.995	.9981	.0101	.0001	.0005	.0019	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0002	.0043	.0000
Stddev	.000	.0002	.0001	.000
%RSD	109.6	87.58	3.459	366.9
#1	.0000	.0004	.0044	.0000
#2	.0000	.0001	.0042	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137870.	45791.	2923.3	8670.2
Stddev	60.	64.	15.1	51.0
%RSD	.04342	.13898	.51745	.58860
#1	137830.	45836.	2934.0	8706.3
#2	137920.	45746.	2912.7	8634.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 11/1/2010 18:37:43 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	1.978	2.037	2.003	2.026	1.998	1.921	2.021	2.015	.2448
Stddev	.003	.003	.003	.003	.001	.005	.001	.002	.0001
%RSD	.1244	.1421	.1381	.1467	.0695	.2606	.0379	.0947	.0241
#1	1.976	2.035	2.001	2.024	1.999	1.925	2.020	2.014	.2448
#2	1.980	2.039	2.005	2.028	1.997	1.918	2.021	2.016	.2447
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	2.004	2.046	1.976	2.040	1.977	1.972	1.956	40.17	41.03
Stddev	.002	.000	.003	.001	.000	.003	.002	.06	.04
%RSD	.1078	.0047	.1738	.0622	.0161	.1701	.1028	.1561	.0966
#1	2.002	2.046	1.974	2.039	1.977	1.970	1.954	40.12	41.00
#2	2.005	2.047	1.979	2.040	1.977	1.975	1.957	40.21	41.06
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	40.99	40.89	41.40	40.69	1.977	2.021	1.921	5.062	2.048
Stddev	.07	.00	.02	.01	.005	.004	.002	.012	.005
%RSD	.1692	.0117	.0433	.0280	.2388	.2096	.0787	.2315	.2307
#1	40.95	40.89	41.39	40.68	1.974	2.018	1.920	5.054	2.045
#2	41.04	40.89	41.42	40.69	1.981	2.024	1.923	5.071	2.052
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 18:37:43 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	1.940	1.959	2.004	1.993
Stddev	.023	.001	.014	.002
%RSD	1.172	.0546	.7167	.0921
#1	1.924	1.958	1.994	1.992
#2	1.956	1.960	2.014	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	133460.	45151.	2795.3	7864.7
Stddev	87.	108.	5.5	16.5
%RSD	.06531	.23862	.19680	.21022
#1	133520.	45227.	2799.2	7876.4
#2	133400.	45075.	2791.4	7853.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 11/1/2010 18:43:48 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	.0003	.0001	.0001	.0001	.0001	.0001	.0001	.0000
Stddev	.0000	.0001	.0001	.0001	.0002	.0000	.0000	.0000	.0000
%RSD	15.75	24.37	74.21	200.5	190.4	16.37	10.51	72.64	15.01
#1	.0003	.0003	.0001	.0001	.0002	.0001	.0001	.0000	.0000
#2	.0002	.0002	.0000	.0000	.0000	.0001	.0001	.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	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0007	.0020	-.0002	.0000	.0002	.0023	-.0037
Stddev	.000	.0001	.0000	.0004	.0002	.000	.0003	.0037	.0001
%RSD	474.1	64.01	6.612	19.00	115.1	489.8	142.7	159.5	3.169
#1	-.0001	.0000	.0006	.0017	-.0003	.0001	.0000	.0049	-.0038
#2	.0001	-.0001	.0007	.0023	.0000	-.0002	.0004	-.0003	-.0036
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	.0045	.0076	.0069	.0036	.0012	.0007	.0005	.0035	.0000
Stddev	.0012	.0038	.0085	.0010	.0000	.0000	.0003	.0000	.0002
%RSD	27.65	49.48	123.9	26.73	1.058	1.373	57.45	1.294	394.2
#1	.0053	.0050	.0129	.0043	.0012	.0007	.0003	.0035	-.0001
#2	.0036	.0103	.0009	.0029	.0012	.0007	.0007	.0034	.0002
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 18:43:48 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	.0003	.0153	.0006
Stddev	.0000	.0001	.0014	.0000
%RSD	13.57	16.72	9.220	8.067
#1	.0003	.0003	.0162	.0006
#2	.0003	.0004	.0143	.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	137850.	45710.	2925.7	8688.3
Stddev	108.	3.	6.4	20.1
%RSD	.07843	.00715	.21936	.23177
#1	137930.	45712.	2921.2	8674.1
#2	137780.	45708.	2930.2	8702.6

Zoom In / Zoom Out

Sample Name: ja59088-29a Acquired: 11/1/2010 18:50:00 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	.9276	-.0026	.0078	.1726	.3457	1.436	3.984	.4781	-.0014
Stddev	.0023	.0001	.0002	.0002	.0001	.003	.006	.0010	.0002
%RSD	.2494	2.467	2.548	.1058	.0429	.1969	.1477	.2047	11.07
#1	.9259	-.0026	.0076	.1727	.3458	1.434	3.980	.4788	-.0013
#2	.9292	-.0025	.0079	.1725	.3456	1.438	3.988	.4774	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.5577	2.160	.0357	-.0091	.7567	.0111	.0072	163.5	151.3
Stddev	.0006	.001	.0002	.0005	.0008	.0013	.0004	.4	.4
%RSD	.1117	.0358	.4824	5.682	.1040	11.96	4.889	.2572	.2496
#1	.5572	2.161	.0355	-.0095	.7562	.0101	.0070	163.2	151.0
#2	.5581	2.160	.0358	-.0088	.7573	.0120	.0075	163.8	151.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	328.1	111.2	4.843	18.70	4.357	.0357	.0151	3.115	.0568
Stddev	1.0	.2	.014	.01	.002	.0001	.0006	.021	.0008
%RSD	.3147	.1972	.2797	.0565	.0420	.3000	3.804	.6826	1.431
#1	327.4	111.1	4.833	18.71	4.358	.0356	.0147	3.130	.0574
#2	328.9	111.4	4.852	18.69	4.356	.0358	.0155	3.100	.0562

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.4371	20.83	.1102	.1709
Stddev	.0007	.05	.0003	.0007
%RSD	.1693	.2553	.2531	.4226
#1	.4366	20.87	.1104	.1704
#2	.4377	20.79	.1100	.1714

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	133160.	45504.	2707.9	7181.4
Stddev	271.	74.	6.4	9.6
%RSD	.20365	.16290	.23629	.13335
#1	133350.	45452.	2703.4	7174.7
#2	132970.	45556.	2712.4	7188.2

Zoom In / Zoom Out

Sample Name: JA59308-2 Acquired: 11/1/2010 18:56:27 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	.0556	.0000	.0001	-.0005	.0007	.0004	.3018	.0040	.0001
Stddev	.0000	.0000	.0001	.0002	.0002	.0000	.0005	.0003	.0001
%RSD	.0568	98.44	90.69	33.22	23.27	5.990	.1522	6.684	115.4
#1	.0556	.0000	.0000	-.0007	.0008	.0004	.3021	.0038	.0002
#2	.0556	.0000	.0002	-.0004	.0006	.0004	.3015	.0041	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0005	.0067	.0001	-.0002	-.0003	.0026	-.0002	-.0067	24.20
Stddev	.0000	.0001	.0002	.0009	.0002	.0008	.0004	.0101	.25
%RSD	2.724	1.582	163.4	551.2	55.01	31.63	251.5	149.9	1.053
#1	.0005	.0068	.0000	-.0008	-.0005	.0020	-.0005	-.0139	24.02
#2	.0005	.0066	.0003	.0005	-.0002	.0032	.0001	.0004	24.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0656	2.981	2.975	9.090	.0838	.0004	-.0006	9.223	-.0018
Stddev	.0004	.034	.000	.019	.0004	.0001	.0003	.000	.0000
%RSD	.5953	1.138	.0096	.2062	.4727	21.15	47.00	.0043	.4078
#1	.0659	2.957	2.975	9.104	.0841	.0003	-.0008	9.223	-.0018
#2	.0653	3.005	2.975	9.077	.0836	.0004	-.0004	9.224	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.2272	-.0084	.0185	.0005
Stddev	.0004	.0000	.0000	.0001
%RSD	.1960	.1072	.0475	22.62
#1	.2269	-.0084	.0185	.0006
#2	.2275	-.0084	.0185	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135080.	45453.	2830.2	8470.9
Stddev	443.	249.	5.3	12.7
%RSD	.32818	.54791	.18691	.14998
#1	134770.	45629.	2826.5	8461.9
#2	135390.	45277.	2834.0	8479.8

Zoom In / Zoom Out

Sample Name: JA59308-3 Acquired: 11/1/2010 19:02:34 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	.1040	.0000	.0027	-.0006	.0010	.0033	.0029	.0147	.0000
Stddev	.0001	.000	.0000	.0000	.0001	.0004	.0000	.0001	.0001
%RSD	.0685	21.45	1.204	.6844	5.661	11.12	1.114	.6332	404.4
#1	.1040	.0000	.0027	-.0006	.0010	.0031	.0029	.0146	.0000
#2	.1041	.0000	.0027	-.0006	.0009	.0036	.0028	.0148	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0003	.4519	.0010	-.0003	.0005	.0039	.0030	.0387	17.80
Stddev	.0001	.0021	.0002	.0001	.0005	.0010	.0004	.0018	.18
%RSD	37.62	.4538	21.03	20.93	98.88	25.93	12.15	4.543	1.026
#1	.0004	.4505	.0008	-.0004	.0001	.0046	.0028	.0375	17.67
#2	.0002	.4534	.0011	-.0003	.0008	.0032	.0033	.0400	17.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0479	2.341	2.989	11.13	.0766	.0007	.0000	6.856	-.0013
Stddev	.0007	.028	.014	.07	.0001	.0000	.0003	.026	.0000
%RSD	1.436	1.189	.4551	.5869	.1079	6.823	567.8	.3829	3.104
#1	.0484	2.321	2.999	11.18	.0765	.0007	.0002	6.838	-.0014
#2	.0474	2.361	2.980	11.08	.0766	.0006	-.0001	6.875	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1219	-.0054	.0151	.0003
Stddev	.0001	.0000	.0001	.0000
%RSD	.0484	.0836	.4162	13.60
#1	.1219	-.0054	.0151	.0003
#2	.1218	-.0055	.0150	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135160.	45551.	2881.5	8583.6
Stddev	3.	180.	6.4	19.1
%RSD	.00232	.39412	.22276	.22306
#1	135160.	45678.	2886.1	8597.1
#2	135160.	45424.	2877.0	8570.0

Zoom In Zoom Out

Sample Name: JA59308-4 Acquired: 11/1/2010 19:08:41 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	.1165	.0001	.0002	.0001	.0007	.0007	3.291	.0054	.0004
Stddev	.0002	.0000	.0000	.0001	.0003	.0002	.013	.0001	.0002
%RSD	.2080	26.71	8.665	142.4	41.72	22.43	.3943	1.881	63.68
#1	.1167	.0001	.0002	.0001	.0010	.0008	3.300	.0053	.0002
#2	.1163	.0001	.0002	.0000	.0005	.0006	3.282	.0055	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0004	.0008	.0003	-.0011	.0008	.0006	-.0004	.0036	162.3
Stddev	.0001	.0001	.0002	.0005	.0001	.0007	.0005	.0016	.7
%RSD	21.89	9.421	51.33	45.29	14.19	117.3	127.4	44.81	.4288
#1	.0004	.0008	.0004	-.0008	.0009	.0001	.0000	.0025	162.8
#2	.0005	.0007	.0002	-.0015	.0007	.0011	-.0008	.0048	161.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.4551	29.01	7.542	60.41	.3467	.0008	-.0033	11.65	-.0038
Stddev	.0016	.02	.035	.13	.0034	.0000	.0011	.05	.0007
%RSD	.3456	.0660	.4704	.2172	.9780	1.756	33.30	.4040	17.03
#1	.4540	28.99	7.517	60.32	.3443	.0008	-.0041	11.62	-.0043
#2	.4562	29.02	7.567	60.50	.3491	.0008	-.0025	11.68	-.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.5022	-.0101	.0245	.0002
Stddev	.0009	.0001	.0002	.0001
%RSD	.1737	.9745	.8544	27.03
#1	.5015	-.0102	.0243	.0002
#2	.5028	-.0101	.0246	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	128850.	44118.	2673.8	7771.3
Stddev	681.	91.	14.6	47.0
%RSD	.52875	.20675	.54786	.60490
#1	128370.	44182.	2684.1	7804.6
#2	129330.	44053.	2663.4	7738.1

Zoom In Zoom Out

Sample Name: JA59308-5 Acquired: 11/1/2010 19:14:52 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	.0000	.0000	.0001	-.0001	.0000	.0006	.0001	-.0001	-.0001
Stddev	.0000	.000	.0001	.0001	.0001	.0002	.0000	.0001	.0001
%RSD	38.66	9.095	64.68	46.27	548.3	28.30	26.49	61.45	92.79
#1	.0000	.0000	.0001	-.0001	.0001	.0008	.0001	-.0001	-.0002
#2	.0000	.0000	.0001	-.0002	-.0001	.0005	.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0001	.0016	-.0001	-.0001	-.0007	.0012	.0001	.0043	.0018
Stddev	.0002	.0001	.0001	.0003	.0001	.0007	.0002	.0006	.0006
%RSD	218.5	3.833	57.25	351.3	10.08	57.19	154.2	15.12	34.46
#1	-.0003	.0017	-.0002	.0001	-.0006	.0007	.0000	.0047	.0013
#2	.0001	.0016	-.0001	-.0003	-.0007	.0016	.0003	.0038	.0022

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.0024	.0006	-.0017	.0131	.0007	.0002	.0003	.0163	.0003
Stddev	.0001	.0011	.0057	.0009	.0001	.0000	.0001	.0045	.0005
%RSD	4.488	165.9	326.2	6.894	15.98	5.375	38.89	27.62	178.1
#1	.0025	-.0001	.0023	.0138	.0008	.0002	.0002	.0131	.0006
#2	.0024	.0014	-.0057	.0125	.0006	.0002	.0004	.0195	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0000	.0001	.0052	.0000
Stddev	.000	.0002	.0007	.0000
%RSD	89.28	112.7	13.61	70.82
#1	.0000	.0000	.0047	.0001
#2	.0000	.0002	.0057	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138620.	46011.	2900.3	8657.8
Stddev	413.	39.	13.3	58.7
%RSD	.29796	.08537	.45894	.67764
#1	138910.	45984.	2909.7	8699.3
#2	138320.	46039.	2890.9	8616.3

Zoom In Zoom Out

Sample Name: JA59308-9 Acquired: 11/1/2010 19:21:04 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	.1412	.0002	.0009	.0000	.0008	.0038	6.322	.0040	.0008
Stddev	.0011	.0000	.0000	.000	.0000	.0001	.029	.0000	.0001
%RSD	.8056	1.032	4.215	140.2	5.662	2.927	.4672	.8877	9.419
#1	.1404	.0002	.0008	-.0001	.0008	.0039	6.301	.0040	.0009
#2	.1420	.0002	.0009	.0000	.0008	.0037	6.343	.0041	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0012	.0236	.0010	-.0023	.0015	.0022	.0006	.2762	118.6
Stddev	.0000	.0000	.0003	.0009	.0002	.0000	.0004	.0058	.5
%RSD	2.090	.2024	29.33	37.21	14.55	.4437	67.51	2.090	.4322
#1	.0012	.0237	.0012	-.0017	.0013	.0022	.0010	.2721	118.9
#2	.0012	.0236	.0008	-.0029	.0016	.0022	.0003	.2803	118.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.4248	20.00	4.224	41.49	.2845	.0038	-.0032	8.023	-.0046
Stddev	.0026	.14	.045	.38	.0017	.0000	.0002	.035	.0000
%RSD	.6173	.6898	1.056	.9116	.5916	.7776	7.681	.4313	1.002
#1	.4229	19.91	4.193	41.22	.2857	.0038	-.0030	8.048	-.0046
#2	.4266	20.10	4.256	41.75	.2833	.0038	-.0034	7.999	-.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.4783	.0011	.0218	.0005
Stddev	.0033	.0008	.0003	.0000
%RSD	.6949	68.90	1.159	2.436
#1	.4760	.0006	.0219	.0005
#2	.4807	.0017	.0216	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	130720.	44734.	2715.6	7936.3
Stddev	283.	276.	14.3	21.5
%RSD	.21670	.61690	.52583	.27146
#1	130920.	44929.	2705.5	7921.1
#2	130520.	44538.	2725.7	7951.5

Zoom In Zoom Out

Sample Name: JA59308-10 Acquired: 11/1/2010 19:27:23 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	.1382	.0002	.0019	.0021	.0047	.0549	1.915	.0092	.0002
Stddev	.0006	.0000	.0000	.0001	.0000	.0000	.005	.0002	.0001
%RSD	.4691	9.746	1.478	4.067	.8885	.0109	.2796	2.118	55.36
#1	.1387	.0001	.0019	.0021	.0047	.0549	1.919	.0091	.0003
#2	.1378	.0002	.0019	.0022	.0047	.0549	1.911	.0094	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0056	.4114	.0018	.0006	.0102	.0012	.0004	2.582	118.3
Stddev	.0001	.0010	.0006	.0001	.0001	.0006	.0003	.001	.9
%RSD	1.883	.2432	32.67	12.63	.7105	51.67	73.84	.0307	.7651
#1	.0056	.4121	.0023	.0005	.0103	.0008	.0007	2.582	118.9
#2	.0055	.4107	.0014	.0006	.0102	.0017	.0002	2.583	117.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	5.487	23.23	2.539	45.13	.1785	.0017	-.0025	15.47	-.0030
Stddev	.012	.07	.003	.14	.0005	.0001	.0010	.04	.0000
%RSD	.2145	.2871	.1157	.3142	.2673	3.793	38.13	.2361	.0005
#1	5.495	23.27	2.541	45.23	.1788	.0017	-.0032	15.50	-.0030
#2	5.478	23.18	2.537	45.03	.1782	.0016	-.0019	15.45	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3540	.0769	.0246	.0016
Stddev	.0013	.0005	.0003	.0001
%RSD	.3717	.6195	1.353	6.181
#1	.3549	.0772	.0249	.0017
#2	.3530	.0765	.0244	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	131400.	44652.	2749.7	7951.2
Stddev	235.	139.	2.4	4.2
%RSD	.17909	.31166	.08817	.05224
#1	131230.	44554.	2748.0	7948.3
#2	131570.	44751.	2751.4	7954.2

Zoom In Zoom Out

Sample Name: JA59308-11 Acquired: 11/1/2010 19:33:35 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	.0642	.0000	.0005	-.0004	.0013	.0082	.0356	.0020	.0000
Stddev	.0002	.000	.0000	.0001	.0002	.0001	.0000	.0000	.000
%RSD	.2679	55.68	9.053	18.24	15.19	1.408	.0463	.8423	3011.
#1	.0641	.0000	.0005	-.0004	.0014	.0081	.0356	.0020	.0002
#2	.0643	.0000	.0005	-.0005	.0011	.0083	.0356	.0020	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0043	.0859	.0011	-.0008	.0036	.0014	.0019	.3077	36.95
Stddev	.0001	.0000	.0000	.0001	.0004	.0003	.0003	.0028	.07
%RSD	2.851	.0555	.8418	13.50	10.93	22.82	14.59	.9091	.1770
#1	.0042	.0860	.0011	-.0007	.0038	.0016	.0017	.3057	36.91
#2	.0043	.0859	.0010	-.0008	.0033	.0012	.0021	.3097	37.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.4482	2.500	2.437	6.182	.0302	.0016	-.0004	4.616	-.0012
Stddev	.0007	.004	.024	.001	.0002	.0000	.0001	.003	.0001
%RSD	.1500	.1787	.9820	.0232	.6633	.8855	30.63	.0678	7.290
#1	.4477	2.503	2.420	6.181	.0304	.0016	-.0005	4.614	-.0013
#2	.4487	2.497	2.454	6.183	.0301	.0016	-.0003	4.619	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1178	.0072	.0094	.0002
Stddev	.0000	.0000	.0003	.0001
%RSD	.0177	.4336	3.546	23.85
#1	.1179	.0072	.0096	.0002
#2	.1178	.0072	.0092	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134480.	45232.	2832.4	8432.8
Stddev	260.	15.	.1	6.1
%RSD	.19359	.03383	.00435	.07187
#1	134300.	45242.	2832.5	8437.0
#2	134670.	45221.	2832.3	8428.5

Zoom In Zoom Out

Sample Name: JA59798-1 Acquired: 11/1/2010 19:39:41 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	.5394	.0062	.0028	.0665	.4122	.4319	2.088	.2413	-.0004
Stddev	.0142	.0001	.0001	.0004	.0006	.0021	.003	.0013	.0002
%RSD	2.642	2.351	4.055	.5605	.1523	.4790	.1485	.5351	57.57
#1	.5494	.0063	.0027	.0662	.4117	.4334	2.086	.2404	-.0002
#2	.5293	.0061	.0029	.0667	.4126	.4305	2.090	.2423	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.7963	.8237	.2439	.0047	.4214	.0163	.0056	73.36	35.96
Stddev	.0001	.0045	.0015	.0020	.0021	.0027	.0004	1.98	1.18
%RSD	.0181	.5523	.6135	43.75	.4928	16.35	7.190	2.701	3.293
#1	.7962	.8205	.2429	.0061	.4200	.0182	.0059	74.77	36.80
#2	.7964	.8269	.2450	.0032	.4229	.0144	.0053	71.96	35.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	175.4	23.74	10.26	5.189	.0917	.0174	.0094	2.020	.0529
Stddev	4.0	.80	.25	.132	.0003	.0001	.0016	.008	.0006
%RSD	2.253	3.349	2.434	2.552	.3495	.3231	17.04	.3911	1.215
#1	178.2	24.31	10.43	5.282	.0915	.0175	.0106	2.026	.0524
#2	172.6	23.18	10.08	5.095	.0919	.0174	.0083	2.014	.0533

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.4418	4.394	.0383	.0541
Stddev	.0126	.004	.0001	.0004
%RSD	2.851	.0885	.1941	.8243
#1	.4507	4.391	.0382	.0545
#2	.4329	4.396	.0383	.0538

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	140570.	46557.	2925.4	7985.9
Stddev	91.	1235.	24.4	66.4
%RSD	.06496	2.6524	.83245	.83108
#1	140510.	45684.	2942.6	8032.8
#2	140640.	47431.	2908.2	7938.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 11/1/2010 19:45:46 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	2.019	2.063	2.005	2.027	2.044	1.967	2.060	2.010	.2497
Stddev	.003	.002	.008	.007	.001	.005	.003	.005	.0010
%RSD	.1303	.0970	.3988	.3694	.0381	.2448	.1661	.2264	.4129
#1	2.017	2.065	2.011	2.032	2.043	1.971	2.057	2.013	.2489
#2	2.021	2.062	1.999	2.022	2.044	1.964	2.062	2.007	.2504
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	2.043	2.056	1.976	2.040	1.992	1.971	1.968	40.75	41.76
Stddev	.005	.003	.011	.002	.004	.005	.008	.02	.02
%RSD	.2276	.1301	.5349	.0725	.2137	.2800	.4252	.0436	.0457
#1	2.040	2.058	1.984	2.041	1.995	1.975	1.974	40.76	41.77
#2	2.047	2.054	1.969	2.039	1.989	1.967	1.962	40.74	41.75
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	41.70	41.53	41.99	41.40	1.989	2.020	1.971	4.997	2.047
Stddev	.01	.01	.07	.02	.007	.008	.007	.017	.007
%RSD	.0257	.0250	.1685	.0385	.3448	.3776	.3395	.3488	.3355
#1	41.69	41.53	42.04	41.39	1.994	2.025	1.975	5.009	2.052
#2	41.70	41.52	41.94	41.41	1.984	2.015	1.966	4.984	2.043
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 19:45:46 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	2.003	1.996	2.014	2.035
Stddev	.021	.002	.000	.000
%RSD	1.032	.0774	.0062	.0119
#1	1.988	1.995	2.014	2.035
#2	2.018	1.997	2.014	2.035
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	131720.	44525.	2810.6	7877.1
Stddev	275.	50.	13.2	25.5
%RSD	.20849	.11169	.46926	.32341
#1	131520.	44489.	2801.3	7859.1
#2	131910.	44560.	2819.9	7895.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 11/1/2010 19:51:50 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	.0004	.0004	.0001	.0001	.0002	.0006	.0004	.0000	-.0001
Stddev	.0001	.0001	.0002	.0001	.0003	.0001	.0000	.000	.0002
%RSD	17.29	20.27	162.1	149.2	153.1	17.62	8.958	349.2	168.0
#1	.0003	.0003	.0003	.0002	.0004	.0006	.0005	.0001	-.0003
#2	.0004	.0004	.0000	.0000	.0000	.0005	.0004	-.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	.0001	.0006	F .0021	-.0006	.0006	.0000	.0086	.0034
Stddev	.0001	.0002	.0005	.0008	.0002	.0004	.0004	.0020	.0017
%RSD	21.94	139.6	78.57	39.97	27.05	64.17	9120.	23.48	50.20
#1	.0003	.0003	.0009	.0026	-.0007	.0008	-.0003	.0072	.0022
#2	.0003	.0000	.0003	.0015	-.0005	.0003	.0003	.0100	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0020					
Low Limit				-.0020					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.0081	.0166	.0165	.0014	.0009	.0003	.0048	.0001
Stddev	.0016	.0017	.0043	.0025	.0002	.0001	.0000	.0012	.0006
%RSD	20.39	20.54	25.99	15.11	13.14	7.275	12.29	24.36	528.0
#1	.0067	.0069	.0135	.0148	.0016	.0009	.0003	.0057	.0006
#2	.0090	.0093	.0196	.0183	.0013	.0008	.0003	.0040	-.0003
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 19:51:50 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	.0004	.0005	.0130	.0007
Stddev	.0001	.0001	.0008	.0001
%RSD	18.90	22.49	5.934	12.99
#1	.0004	.0004	.0136	.0008
#2	.0005	.0006	.0125	.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	137820.	45256.	2920.8	8659.8
Stddev	633.	268.	9.7	31.5
%RSD	.45918	.59222	.33247	.36392
#1	137370.	45066.	2927.7	8682.1
#2	138270.	45445.	2913.9	8637.5

Zoom In Zoom Out

Sample Name: JA59799-1 Acquired: 11/1/2010 19:58:02 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	.3539	.0027	.0027	.0495	.5814	.2610	1.789	.2215	-.0007
Stddev	.0063	.0000	.0002	.0005	.0048	.0024	.013	.0015	.0003
%RSD	1.789	.6195	9.083	.9699	.8190	.9016	.7182	.6858	35.25
#1	.3494	.0027	.0025	.0492	.5780	.2593	1.780	.2204	-.0009
#2	.3583	.0027	.0028	.0499	.5848	.2626	1.799	.2226	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.8625	.5906	.1141	.0034	.4509	.0092	.0052	38.16	54.07
Stddev	.0045	.0049	.0013	.0014	.0050	.0011	.0001	.72	.82
%RSD	.5218	.8310	1.133	40.29	1.102	11.60	1.150	1.893	1.519
#1	.8593	.5872	.1132	.0044	.4474	.0100	.0051	37.65	53.49
#2	.8657	.5941	.1150	.0024	.4544	.0085	.0052	38.67	54.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	127.9	18.97	5.941	4.015	.1047	.0134	.0053	2.961	.0302
Stddev	2.7	.29	.117	.079	.0009	.0001	.0002	.002	.0006
%RSD	2.115	1.504	1.972	1.976	.8654	.5068	4.222	.0593	2.077
#1	126.0	18.77	5.858	3.959	.1041	.0133	.0051	2.959	.0307
#2	129.8	19.17	6.024	4.071	.1054	.0134	.0055	2.962	.0298

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3976	2.979	.0329	.0305
Stddev	.0070	.019	.0013	.0002
%RSD	1.767	.6302	3.844	.7464
#1	.3927	2.966	.0320	.0303
#2	.4026	2.992	.0338	.0306

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137300.	45871.	2826.1	7976.8
Stddev	876.	743.	28.5	80.6
%RSD	.63798	1.6192	1.0088	1.0110
#1	137920.	46396.	2846.2	8033.9
#2	136680.	45345.	2805.9	7919.8

Zoom In Zoom Out

Sample Name: JA59800-1 Acquired: 11/1/2010 20:04:10 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	.8492	.0144	.0046	.1013	1.120	.6591	1.544	.3160	.0005
Stddev	.0003	.0001	.0002	.0002	.004	.0055	.006	.0005	.0002
%RSD	.0339	.8597	4.844	.1708	.3133	.8367	.4210	.1551	31.52
#1	.8490	.0145	.0044	.1012	1.122	.6630	1.548	.3163	.0004
#2	.8494	.0143	.0047	.1014	1.118	.6552	1.539	.3156	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.7152	1.166	.3126	.0003	.6926	.0192	.0051	138.8	65.37
Stddev	.0032	.002	.0003	.0008	.0006	.0005	.0006	.0	.41
%RSD	.4434	.2090	.1099	294.8	.0934	2.704	12.38	.0169	.6235
#1	.7175	1.164	.3124	.0009	.6930	.0188	.0047	138.9	65.66
#2	.7130	1.168	.3129	-.0003	.6921	.0196	.0056	138.8	65.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	236.3	31.33	11.17	9.635	.3753	.0165	.0030	1.517	.0703
Stddev	.4	.23	.01	.021	.0007	.0000	.0001	.004	.0001
%RSD	.1728	.7288	.1328	.2226	.1785	.2613	1.673	.2367	.1470
#1	236.6	31.49	11.16	9.620	.3757	.0166	.0031	1.519	.0704
#2	236.0	31.17	11.18	9.651	.3748	.0165	.0030	1.514	.0702

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.7404	7.357	.0557	.1181
Stddev	.0000	.044	.0003	.0006
%RSD	.0000	.6013	.6253	.5466
#1	.7404	7.388	.0560	.1186
#2	.7404	7.325	.0555	.1176

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139000.	48093.	2905.6	7583.2
Stddev	650.	172.	3.6	1.2
%RSD	.46796	.35843	.12288	.01604
#1	138540.	47972.	2903.1	7582.4
#2	139460.	48215.	2908.1	7584.1

Zoom In Zoom Out

Sample Name: JA59810-1 Acquired: 11/1/2010 20:10:14 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	.2904	.0010	.0001	.0136	.2276	.0562	.3592	.0612	-.0010
Stddev	.0034	.0001	.0000	.0005	.0112	.0018	.0170	.0008	.0002
%RSD	1.154	5.779	23.31	3.520	4.900	3.191	4.725	1.364	22.09
#1	.2880	.0010	.0001	.0139	.2197	.0549	.3472	.0618	-.0012
#2	.2927	.0011	.0001	.0132	.2355	.0575	.3712	.0606	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.2053	.1018	.0207	.0027	.0805	.0054	.0000	135.1	39.09
Stddev	.0098	.0010	.0005	.0011	.0007	.0011	.0008	1.7	.50
%RSD	4.778	.9505	2.510	38.72	.9280	20.13	1989.	1.261	1.286
#1	.1983	.1025	.0211	.0020	.0811	.0046	.0006	133.9	38.73
#2	.2122	.1011	.0203	.0035	.0800	.0062	-.0005	136.3	39.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	101.2	6.427	3.041	.4591	.0172	.0315	.0044	2.451	.0144
Stddev	.8	.104	.032	.0051	.0000	.0004	.0012	.035	.0002
%RSD	.8260	1.623	1.037	1.105	.0329	1.158	27.46	1.441	1.728
#1	100.6	6.353	3.019	.4555	.0172	.0318	.0053	2.476	.0145
#2	101.8	6.501	3.063	.4627	.0172	.0313	.0036	2.426	.0142

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1979	3.140	.0231	.0941
Stddev	.0024	.145	.0000	.0042
%RSD	1.197	4.627	.0702	4.485
#1	.1963	3.037	.0231	.0911
#2	.1996	3.242	.0231	.0970

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135530.	46604.	2902.1	8088.5
Stddev	5397.	560.	24.1	69.1
%RSD	3.9822	1.2026	.82931	.85465
#1	139350.	47000.	2885.1	8039.6
#2	131720.	46208.	2919.1	8137.4

Zoom In Zoom Out

Sample Name: JA59810-3 Acquired: 11/1/2010 20:16:23 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	.1572	.0006	.0001	.0071	.1588	.0629	.1377	.0347	-.0003
Stddev	.0000	.0000	.0000	.0001	.0012	.0001	.0004	.0003	.0001
%RSD	.0072	.9132	3.886	1.245	.7386	.1698	.2674	.9610	36.07
#1	.1572	.0006	.0001	.0070	.1579	.0628	.1375	.0349	-.0003
#2	.1572	.0006	.0001	.0072	.1596	.0630	.1380	.0345	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1962	.0652	.0253	.0035	.0739	.0049	-.0006	140.1	2.907
Stddev	.0009	.0003	.0007	.0004	.0003	.0002	.0002	.1	.014
%RSD	.4776	.4433	2.720	11.61	.4284	4.200	29.38	.0382	.4903
#1	.1956	.0650	.0248	.0037	.0736	.0051	-.0007	140.0	2.917
#2	.1969	.0654	.0258	.0032	.0741	.0048	-.0005	140.1	2.896

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	90.31	2.112	2.150	.3826	.0088	.0056	.0047	2.357	.0155
Stddev	.19	.004	.012	.0012	.0002	.0000	.0004	.007	.0007
%RSD	.2093	.1702	.5390	.3102	1.823	.3294	8.564	.3084	4.453
#1	90.45	2.114	2.142	.3818	.0087	.0056	.0044	2.352	.0150
#2	90.18	2.109	2.158	.3835	.0089	.0056	.0050	2.362	.0160

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0246	1.599	.0170	.0806
Stddev	.0000	.010	.0006	.0003
%RSD	.0383	.6084	3.707	.3126
#1	.0246	1.592	.0166	.0804
#2	.0245	1.606	.0175	.0808

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137020.	46024.	2921.1	8189.4
Stddev	427.	77.	17.6	46.3
%RSD	.31172	.16664	.60157	.56539
#1	137320.	45970.	2933.5	8222.1
#2	136710.	46078.	2908.7	8156.6

Zoom In Zoom Out

Sample Name: JA59810-5 Acquired: 11/1/2010 20:22:27 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	.1503	.0007	.0002	.0085	.1222	.0546	.2222	.0377	-.0002
Stddev	.0009	.0000	.0000	.0000	.0004	.0003	.0012	.0002	.0003
%RSD	.6093	2.929	21.28	.0914	.3192	.5542	.5571	.6085	164.4
#1	.1497	.0007	.0001	.0085	.1225	.0548	.2231	.0379	-.0004
#2	.1510	.0007	.0002	.0085	.1219	.0544	.2214	.0376	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1527	.0838	.0191	.0021	.0646	.0049	.0007	111.0	38.36
Stddev	.0011	.0003	.0001	.0004	.0006	.0012	.0008	.7	.27
%RSD	.7233	.3121	.6897	21.02	.8587	23.63	123.9	.6752	.7155
#1	.1535	.0840	.0190	.0024	.0649	.0041	.0013	110.4	38.16
#2	.1520	.0836	.0192	.0018	.0642	.0057	.0001	111.5	38.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	69.86	4.325	3.288	1.019	.0252	.0026	.0042	2.405	.0161
Stddev	.49	.010	.012	.006	.0002	.0000	.0007	.011	.0001
%RSD	.7044	.2358	.3705	.5546	.8533	1.018	15.74	.4732	.7260
#1	69.52	4.318	3.279	1.015	.0254	.0026	.0037	2.413	.0161
#2	70.21	4.332	3.297	1.023	.0251	.0026	.0047	2.397	.0160

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.2020	1.487	.0164	.0674
Stddev	.0012	.007	.0003	.0007
%RSD	.5713	.4634	1.853	.9900
#1	.2011	1.492	.0166	.0679
#2	.2028	1.482	.0162	.0670

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135020.	45784.	2881.0	8123.0
Stddev	494.	316.	9.8	20.1
%RSD	.36570	.69116	.34142	.24757
#1	134670.	46008.	2887.9	8137.2
#2	135370.	45561.	2874.0	8108.8

Zoom In Zoom Out

Sample Name: JA59810-8 Acquired: 11/1/2010 20:28:32 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	.1747	.0013	.0007	.0140	.2491	.0908	.2730	.0602	-.0003
Stddev	.0011	.0000	.0003	.0001	.0094	.0018	.0093	.0000	.0001
%RSD	.6554	.0881	38.09	.6926	3.778	1.981	3.390	.0160	45.44
#1	.1739	.0013	.0005	.0141	.2558	.0920	.2795	.0602	-.0004
#2	.1756	.0013	.0009	.0140	.2425	.0895	.2664	.0602	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.2914	.0888	.0357	.0015	.0695	.0054	.0008	222.8	33.74
Stddev	.0099	.0005	.0008	.0023	.0012	.0010	.0002	.6	.04
%RSD	3.403	.5226	2.276	150.4	1.764	19.49	24.39	.2552	.1127
#1	.2984	.0892	.0362	.0032	.0704	.0061	.0009	222.4	33.77
#2	.2844	.0885	.0351	-.0001	.0687	.0046	.0007	223.2	33.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	138.1	12.61	4.902	1.044	.0127	.0055	.0032	2.671	.0140
Stddev	.2	.02	.005	.007	.0003	.0001	.0030	.020	.0008
%RSD	.1243	.1248	.0947	.6483	2.420	1.200	94.43	.7422	5.921
#1	138.3	12.62	4.899	1.039	.0125	.0054	.0011	2.685	.0146
#2	138.0	12.60	4.905	1.049	.0129	.0055	.0053	2.657	.0134

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0922	2.137	.0242	.1282
Stddev	.0004	.070	.0004	.0039
%RSD	.4298	3.276	1.479	3.009
#1	.0919	2.187	.0239	.1309
#2	.0925	2.088	.0244	.1254

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	131870.	45897.	2865.6	7820.1
Stddev	3656.	78.	10.3	27.8
%RSD	2.7723	.17039	.35985	.35595
#1	129290.	45952.	2858.3	7800.4
#2	134460.	45841.	2872.9	7839.8

Zoom In Zoom Out

Sample Name: JA59810-11 Acquired: 11/1/2010 20:34:45 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	.1362	.0009	.0004	.0111	.2141	.0739	.3053	.0546	-.0005
Stddev	.0004	.0000	.0001	.0000	.0001	.0001	.0001	.0003	.0001
%RSD	.3223	1.652	23.40	.3569	.0423	.1491	.0311	.4980	11.28
#1	.1365	.0009	.0003	.0112	.2140	.0739	.3052	.0544	-.0005
#2	.1359	.0009	.0004	.0111	.2141	.0740	.3053	.0548	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.2574	.1040	.0315	.0011	.0620	.0065	.0020	193.0	100.6
Stddev	.0008	.0003	.0011	.0001	.0002	.0008	.0007	.5	1.0
%RSD	.3143	.2429	3.515	13.23	.2949	12.57	37.55	.2527	.9734
#1	.2568	.1042	.0322	.0012	.0619	.0070	.0015	193.4	101.3
#2	.2579	.1038	.0307	.0010	.0621	.0059	.0025	192.7	99.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	121.0	24.08	4.157	.9326	.0251	.0052	.0023	3.188	.0160
Stddev	.3	.02	.006	.0028	.0001	.0000	.0009	.008	.0003
%RSD	.2635	.0784	.1531	.3035	.2754	.7138	37.91	.2478	1.670
#1	121.2	24.09	4.162	.9306	.0251	.0052	.0029	3.193	.0158
#2	120.8	24.06	4.153	.9346	.0250	.0052	.0017	3.182	.0162

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3921	2.570	.0277	.1055
Stddev	.0005	.001	.0002	.0001
%RSD	.1375	.0495	.6019	.0679
#1	.3925	2.569	.0278	.1056
#2	.3917	2.571	.0276	.1055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	131330.	45071.	2813.9	7688.6
Stddev	45.	49.	7.7	16.8
%RSD	.03429	.10879	.27537	.21904
#1	131300.	45037.	2819.4	7700.5
#2	131360.	45106.	2808.4	7676.7

Zoom In Zoom Out

Sample Name: JA59810-14 Acquired: 11/1/2010 20:41:03 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	.2692	.0007	.0001	.0153	.1590	.0699	.3428	.0513	-.0005
Stddev	.0100	.0000	.0002	.0002	.0002	.0011	.0004	.0002	.0002
%RSD	3.729	.8925	294.2	1.030	.1417	1.507	.1245	.3538	30.80
#1	.2763	.0007	-.0001	.0152	.1589	.0707	.3425	.0512	-.0004
#2	.2621	.0007	.0002	.0154	.1592	.0692	.3431	.0514	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1993	.0993	.0222	.0021	.0740	.0085	.0005	133.7	27.04
Stddev	.0006	.0002	.0004	.0004	.0001	.0015	.0001	4.8	1.07
%RSD	.3052	.1519	1.710	18.31	.1717	17.90	22.97	3.576	3.964
#1	.1988	.0992	.0224	.0024	.0739	.0095	.0005	137.1	27.80
#2	.1997	.0994	.0219	.0018	.0741	.0074	.0006	130.3	26.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	100.2	5.636	3.495	.6008	.0155	.0042	.0062	2.686	.0165
Stddev	3.9	.206	.117	.0228	.0002	.0001	.0013	.014	.0004
%RSD	3.872	3.664	3.346	3.799	.9750	2.006	21.53	.5067	2.282
#1	102.9	5.782	3.578	.6169	.0156	.0042	.0071	2.677	.0162
#2	97.41	5.490	3.412	.5846	.0154	.0043	.0053	2.696	.0167

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1269	3.047	.0213	.0906
Stddev	.0046	.000	.0014	.0004
%RSD	3.616	.0041	6.581	.4802
#1	.1301	3.047	.0223	.0909
#2	.1237	3.047	.0203	.0903

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	136300.	44609.	2895.4	8077.1
Stddev	60.	1472.	8.9	27.6
%RSD	.04368	3.3005	.30851	.34148
#1	136340.	43568.	2901.7	8096.6
#2	136260.	45650.	2889.1	8057.6

Zoom In Zoom Out

Sample Name: JA59810-17 Acquired: 11/1/2010 20:47:05 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	.1806	.0015	.0001	.0132	.1624	.0758	.3255	.0518	-.0003
Stddev	.0001	.0000	.0002	.0001	.0005	.0001	.0000	.0002	.0002
%RSD	.0335	.9523	109.1	1.009	.3166	.0853	.0033	.3093	82.50
#1	.1805	.0015	.0003	.0131	.1628	.0759	.3255	.0517	-.0004
#2	.1806	.0015	.0000	.0133	.1621	.0758	.3254	.0519	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1848	.0895	.0254	.0014	.0736	.0064	.0012	136.3	66.49
Stddev	.0009	.0001	.0002	.0007	.0016	.0014	.0001	.1	.18
%RSD	.4650	.1661	.9203	49.79	2.224	21.81	9.750	.0710	.2749
#1	.1854	.0893	.0252	.0019	.0724	.0074	.0013	136.4	66.62
#2	.1842	.0896	.0256	.0009	.0747	.0054	.0011	136.2	66.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	134.9	5.965	3.992	.8865	.0173	.0073	.0022	4.014	.0136
Stddev	.2	.008	.003	.0025	.0003	.0001	.0001	.021	.0004
%RSD	.1217	.1381	.0776	.2836	1.609	.8796	6.230	.5284	3.221
#1	134.8	5.959	3.994	.8883	.0174	.0074	.0023	3.999	.0139
#2	135.0	5.971	3.990	.8847	.0171	.0073	.0021	4.029	.0133

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.3616	2.001	.0247	.0838
Stddev	.0001	.001	.0001	.0001
%RSD	.0376	.0397	.3712	.1378
#1	.3615	2.000	.0247	.0837
#2	.3617	2.001	.0248	.0839

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	133380.	45163.	2841.2	7878.3
Stddev	92.	91.	9.3	20.1
%RSD	.06905	.20254	.32562	.25532
#1	133320.	45098.	2847.7	7892.6
#2	133450.	45227.	2834.6	7864.1

Zoom In Zoom Out

Sample Name: mp55421-lc1 Acquired: 11/1/2010 20:53:12 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	1.295	.7464	.3288	.6673	.5144	.5103	2.639	.6219	.2024
Stddev	.003	.0012	.0002	.0003	.0015	.0001	.003	.0015	.0002
%RSD	.1908	.1587	.0458	.0469	.2937	.0139	.1032	.2428	.1157
#1	1.294	.7473	.3289	.6675	.5133	.5102	2.637	.6208	.2023
#2	1.297	.7456	.3287	.6670	.5154	.5103	2.641	.6229	.2026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.3363	1.055	.6412	.7597	.6707	.9163	.4893	59.54	47.90
Stddev	.0005	.004	.0014	.0014	.0031	.0022	.0019	.07	.34
%RSD	.1529	.3496	.2161	.1825	.4653	.2454	.3822	.1250	.7144
#1	.3359	1.052	.6422	.7587	.6685	.9179	.4907	59.49	48.14
#2	.3366	1.058	.6402	.7607	.6729	.9148	.4880	59.59	47.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	100.3	21.18	25.74	3.278	.4289	.4428	.0081	8.085	.7295
Stddev	.4	.14	.01	.010	.0007	.0007	.0007	.032	.0002
%RSD	.3684	.6743	.0215	.3044	.1585	.1623	9.189	.3905	.0260
#1	100.5	21.28	25.74	3.271	.4294	.4433	.0076	8.107	.7294
#2	100.0	21.08	25.75	3.285	.4285	.4423	.0086	8.063	.7297

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.159	3.017	.0486	.0407
Stddev	.001	.005	.0002	.0000
%RSD	.0894	.1515	.4079	.0293
#1	1.158	3.021	.0488	.0407
#2	1.160	3.014	.0485	.0406

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134200.	45121.	2874.3	7966.9
Stddev	4.	313.	12.1	6.3
%RSD	.00324	.69360	.42084	.07881
#1	134200.	44900.	2865.7	7962.5
#2	134200.	45342.	2882.8	7971.4

Zoom In / Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	2.065	2.006	2.029	2.059	1.973	2.084	2.014	.2517
Stddev	.004	.004	.005	.007	.004	.005	.002	.006	.0002
%RSD	.1902	.2110	.2399	.3611	.1795	.2333	.0906	.2805	.0956
#1	2.020	2.062	2.009	2.035	2.057	1.977	2.085	2.018	.2515
#2	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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.066	2.065	1.981	2.036	2.008	1.979	1.976	40.96	42.23
Stddev	.004	.008	.004	.001	.008	.005	.005	.18	.03
%RSD	.1776	.3942	.2003	.0633	.4026	.2655	.2683	.4413	.0823
#1	2.069	2.071	1.984	2.035	2.014	1.982	1.980	40.83	42.20
#2	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									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.86	41.61	42.12	41.61	1.997	2.022	1.979	4.976	2.049
Stddev	.06	.06	.17	.09	.004	.006	.000	.013	.008
%RSD	.1496	.1358	.4144	.2175	.1988	.2895	.0158	.2591	.3786
#1	41.81	41.57	42.00	41.55	2.000	2.026	1.979	4.985	2.055
#2	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									

Zoom In / Zoom Out

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:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	2.009	2.016	2.015	2.046
Stddev	.032	.002	.003	.001
%RSD	1.568	.0949	.1624	.0677
#1	1.987	2.017	2.013	2.047
#2	2.032	2.015	2.018	2.045
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	131870.	44195.	2816.3	7862.3
Stddev	47.	87.	8.9	18.5
%RSD	.03557	.19632	.31481	.23536
#1	131840.	44257.	2810.1	7849.2
#2	131910.	44134.	2822.6	7875.4

Zoom In / Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0005	.0002	.0002	.0004	.0008	.0005	.0000	.0001
Stddev	.0001	.0001	.0001	.0000	.0001	.0000	.0001	.0001	.0001
%RSD	11.89	13.31	33.52	.4337	23.02	1.324	17.87	753.8	99.93
#1	.0004	.0004	.0002	.0002	.0005	.0008	.0006	.0001	.0002
#2	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0003	.0009	-.0003	.0007	.0005	.0088	.0074
Stddev	.0002	.0001	.0001	.0005	.0002	.0007	.0003	.0003	.0018
%RSD	46.57	32.71	16.38	49.15	48.40	94.26	68.51	3.678	24.68
#1	.0005	.0003	.0003	.0012	-.0005	.0012	.0007	.0091	.0061
#2	.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									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0114	.0111	.0167	.0121	.0011	.0009	.0010	.0062	.0002
Stddev	.0020	.0010	.0029	.0016	.0001	.0001	.0003	.0016	.0003
%RSD	17.80	9.237	17.60	13.14	10.90	7.854	29.65	25.89	146.3
#1	.0100	.0118	.0188	.0132	.0012	.0009	.0013	.0050	.0005
#2	.0129	.0104	.0146	.0110	.0011	.0008	.0008	.0073	.0000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In / Zoom Out

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:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0005	.0008	.0137	.0009
Stddev	.0001	.0001	.0009	.0001
%RSD	18.41	14.87	6.921	8.455
#1	.0004	.0009	.0144	.0009
#2	.0005	.0007	.0130	.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	136420.	45173.	2938.1	8684.7
Stddev	386.	42.	9.1	12.2
%RSD	.28311	.09239	.30802	.14080
#1	136690.	45203.	2931.7	8676.0
#2	136150.	45144.	2944.5	8693.3

Zoom In Zoom Out

Sample Name: JA59810-20 Acquired: 11/1/2010 21:11:27 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	.1552	.0006	.0003	.0096	.1137	.0444	.2560	.0367	-.0004
Stddev	.0007	.0000	.0001	.0001	.0009	.0000	.0003	.0002	.0002
%RSD	.4501	5.290	27.86	.6040	.7611	.0169	.1246	.6383	61.96
#1	.1547	.0006	.0004	.0095	.1143	.0444	.2562	.0369	-.0002
#2	.1557	.0006	.0002	.0096	.1131	.0444	.2558	.0365	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1563	.1082	.0169	.0025	.1557	.0052	.0009	95.85	3.880
Stddev	.0001	.0000	.0004	.0012	.0001	.0002	.0004	.31	.015
%RSD	.0703	.0309	2.216	47.45	.0696	3.861	44.54	.3220	.3750
#1	.1564	.1082	.0171	.0034	.1558	.0050	.0006	95.64	3.890
#2	.1562	.1081	.0166	.0017	.1556	.0053	.0011	96.07	3.869

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	70.43	3.455	2.139	.2370	.0096	.0026	.0045	2.150	.0125
Stddev	.03	.025	.029	.0013	.0003	.0002	.0011	.033	.0005
%RSD	.0454	.7102	1.350	.5431	2.827	6.762	24.04	1.533	3.755
#1	70.40	3.472	2.119	.2361	.0094	.0027	.0037	2.174	.0128
#2	70.45	3.437	2.160	.2379	.0098	.0025	.0053	2.127	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0279	1.890	.0190	.0492
Stddev	.0001	.000	.0008	.0000
%RSD	.2155	.0115	4.287	.0538
#1	.0279	1.890	.0196	.0492
#2	.0279	1.890	.0184	.0493

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137360.	45453.	2953.7	8321.7
Stddev	142.	32.	8.0	14.2
%RSD	.10327	.07136	.27191	.17084
#1	137460.	45430.	2948.1	8311.6
#2	137260.	45476.	2959.4	8331.7

Zoom In Zoom Out

Sample Name: JA59810-22 Acquired: 11/1/2010 21:17:29 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	.1461	.0006	.0002	.0093	.1267	.0508	.2041	.0334	-.0004
Stddev	.0003	.0000	.0001	.0001	.0002	.0004	.0007	.0000	.0002
%RSD	.2319	2.612	72.23	.5540	.1920	.7028	.3228	.1103	36.12
#1	.1459	.0007	.0003	.0093	.1266	.0506	.2036	.0334	-.0006
#2	.1464	.0006	.0001	.0092	.1269	.0511	.2045	.0334	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1539	.0702	.0187	.0030	.0604	.0048	.0011	105.8	4.755
Stddev	.0004	.0001	.0009	.0002	.0008	.0000	.0003	.3	.007
%RSD	.2590	.1129	4.605	6.159	1.303	.4521	32.37	.2984	.1415
#1	.1536	.0702	.0181	.0031	.0598	.0048	.0013	105.6	4.751
#2	.1542	.0703	.0193	.0029	.0610	.0049	.0008	106.0	4.760

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	76.27	2.844	2.175	.2538	.0084	.0019	.0055	1.559	.0170
Stddev	.19	.003	.009	.0011	.0001	.0001	.0002	.005	.0004
%RSD	.2504	.0996	.4012	.4204	1.123	4.508	3.858	.3479	2.553
#1	76.14	2.846	2.181	.2545	.0083	.0020	.0057	1.555	.0167
#2	76.41	2.842	2.169	.2530	.0084	.0018	.0054	1.563	.0173

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0426	1.524	.0161	.0605
Stddev	.0002	.003	.0001	.0001
%RSD	.5771	.2148	.8148	.1475
#1	.0425	1.521	.0162	.0604
#2	.0428	1.526	.0160	.0605

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137250.	45498.	2951.0	8308.3
Stddev	487.	.	4.8	10.0
%RSD	.35499	.00076	.16354	.12094
#1	137600.	45498.	2954.4	8315.4
#2	136910.	45497.	2947.6	8301.2

Zoom In Zoom Out

Sample Name: JA59810-24 Acquired: 11/1/2010 21:23:33 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	.1323	.0006	.0003	.0095	.1467	.0833	.1713	.0367	-.0004
Stddev	.0005	.0000	.0000	.0003	.0002	.0000	.0001	.0001	.0000
%RSD	.3619	3.458	2.239	2.895	.1143	.0213	.0787	.2360	9.320
#1	.1320	.0006	.0003	.0097	.1466	.0833	.1714	.0366	-.0004
#2	.1327	.0005	.0003	.0093	.1468	.0832	.1712	.0367	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.1819	.1082	.0222	.0037	.1419	.0043	.0009	120.6	.7565
Stddev	.0000	.0007	.0000	.0004	.0016	.0004	.0002	.2	.0012
%RSD	.0069	.6671	.2097	11.95	1.153	10.13	24.32	.1662	.1551
#1	.1819	.1087	.0221	.0040	.1430	.0046	.0008	120.5	.7573
#2	.1819	.1077	.0222	.0034	.1407	.0039	.0011	120.8	.7557

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	89.07	2.763	2.048	.3084	.0201	.0028	.0035	2.385	.0184
Stddev	.05	.010	.005	.0026	.0002	.0001	.0000	.057	.0003
%RSD	.0573	.3475	.2604	.8505	.7481	1.961	.3684	2.389	1.684
#1	89.03	2.756	2.044	.3065	.0202	.0029	.0035	2.426	.0186
#2	89.11	2.770	2.052	.3102	.0200	.0028	.0035	2.345	.0182

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0170	1.685	.0174	.0747
Stddev	.0000	.002	.0001	.0001
%RSD	.0424	.1451	.7278	.0917
#1	.0170	1.687	.0174	.0747
#2	.0170	1.683	.0175	.0748

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135970.	45577.	2952.2	8278.3
Stddev	94.	71.	28.7	56.8
%RSD	.06947	.15656	.97288	.68579
#1	136040.	45627.	2931.9	8238.2
#2	135900.	45526.	2972.5	8318.5

Zoom In Zoom Out

Sample Name: JA60030-1 Acquired: 11/1/2010 21:29:36 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	1.337	.0078	.0376	.1716	.4262	14.21	3.229	.4463	.0259
Stddev	.003	.0000	.0001	.0004	.0095	.23	.068	.0000	.0002
%RSD	.2129	.3948	.2978	.2310	2.232	1.625	2.118	.0093	.6860
#1	1.335	.0079	.0377	.1714	.4329	14.37	3.277	.4463	.0260
#2	1.339	.0078	.0375	.1719	.4194	14.05	3.180	.4462	.0257

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.2857	16.45	.4755	-.0028	10.37	.1092	.1690	110.5	171.8
Stddev	.0057	.02	.0011	.0000	.01	.0014	.0012	.3	.3
%RSD	1.985	.1129	.2248	.7361	.1167	1.271	.7049	.3074	.1869
#1	.2898	16.44	.4747	-.0028	10.36	.1083	.1682	110.3	172.0
#2	.2817	16.46	.4762	-.0028	10.38	.1102	.1699	110.7	171.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	216.9	49.29	16.61	4.724	.2169	.0294	.0020	3.014	.7288
Stddev	.6	.14	.04	.016	.0003	.0001	.0033	.003	.0009
%RSD	.2712	.2862	.2220	.3289	.1180	.1941	168.1	.0947	.1197
#1	216.5	49.19	16.58	4.713	.2167	.0294	-.0004	3.012	.7294
#2	217.3	49.39	16.63	4.735	.2170	.0293	.0043	3.016	.7281

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.6866	4.521	.1206	.0787
Stddev	.0001	.099	.0008	.0014
%RSD	.0201	2.200	.6318	1.760
#1	.6865	4.592	.1211	.0797
#2	.6867	4.451	.1201	.0777

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134100.	45156.	2767.7	7462.3
Stddev	2465.	138.	.2	7.0
%RSD	1.8382	.30657	.00679	.09424
#1	132360.	45254.	2767.9	7467.3
#2	135840.	45059.	2767.6	7457.4

Zoom In Zoom Out

Sample Name: JA60030-2 Acquired: 11/1/2010 21:35:53 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	1.202	.0068	.0263	.1341	.2457	5.005	3.144	.3349	.0315
Stddev	.004	.0000	.0002	.0004	.0001	.004	.007	.0007	.0001
%RSD	.2989	.5066	.5752	.3143	.0579	.0733	.2194	.1953	.3451
#1	1.199	.0067	.0262	.1338	.2458	5.008	3.139	.3345	.0314
#2	1.205	.0068	.0264	.1344	.2456	5.002	3.149	.3354	.0316

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.2916	9.175	.3381	.0006	25.12	.0709	.5332	102.2	158.0
Stddev	.0013	.013	.0033	.0002	.02	.0014	.0010	.4	.4
%RSD	.4364	.1417	.9702	35.21	.0657	1.998	.1855	.3672	.2808
#1	.2907	9.166	.3358	.0007	25.11	.0719	.5325	101.9	158.3
#2	.2925	9.184	.3405	.0005	25.13	.0699	.5339	102.4	157.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	203.4	54.75	19.87	5.112	.1546	.0214	-.0005	1.995	2.701
Stddev	.4	.05	.12	.029	.0004	.0001	.0010	.001	.006
%RSD	.2210	.0842	.6207	.5767	.2879	.4480	214.2	.0274	.2385
#1	203.1	54.71	19.78	5.091	.1543	.0213	.0002	1.995	2.696
#2	203.7	54.78	19.96	5.133	.1550	.0214	-.0012	1.995	2.705

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.5268	5.056	.0811	.0536
Stddev	.0015	.016	.0005	.0002
%RSD	.2764	.3062	.5741	.3518
#1	.5257	5.045	.0814	.0535
#2	.5278	5.067	.0808	.0537

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134030.	44996.	2793.8	7527.1
Stddev	301.	77.	8.4	13.1
%RSD	.22439	.17210	.30199	.17396
#1	134240.	45051.	2799.8	7536.4
#2	133810.	44941.	2787.9	7517.9

Zoom In Zoom Out

Sample Name: MP55422-MB1 2 Acquired: 11/1/2010 21:42:02 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	.0025	.0000	.0000	.0008	-.0002	.0014	.0034	.0006	-.0001
Stddev	.0000	.0000	.000	.0001	.0002	.0000	.0001	.0001	.0001
%RSD	.5595	18.00	215.1	16.99	92.76	.3089	2.022	11.28	153.4
#1	.0025	.0000	-.0001	.0009	-.0001	.0014	.0033	.0005	.0000
#2	.0025	.0001	.0000	.0007	-.0003	.0014	.0034	.0006	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0001	.0015	.0027	.0046	.0007	.0017	.0001	.0748	.0239
Stddev	.0001	.0002	.0002	.0003	.0005	.0002	.0001	.0009	.0000
%RSD	52.35	11.76	5.991	6.364	72.41	11.91	134.6	1.230	.1566
#1	.0001	.0017	.0028	.0048	.0010	.0018	.0000	.0755	.0238
#2	.0002	.0014	.0026	.0044	.0003	.0016	.0002	.0742	.0239

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1198	.0151	.0023	.0010	.0004	.0003	.0005	.0112	.0037
Stddev	.0014	.0012	.0100	.0022	.0002	.0001	.0004	.0027	.0002
%RSD	1.148	8.095	433.4	217.6	45.34	21.82	82.74	24.22	5.872
#1	.1208	.0160	-.0048	.0026	.0005	.0003	.0008	.0093	.0039
#2	.1188	.0143	.0094	-.0006	.0003	.0004	.0002	.0131	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0006	.0010	-.0005	.0001
Stddev	.0000	.0001	.0001	.0000
%RSD	1.697	5.145	21.79	30.70
#1	.0006	.0011	-.0004	.0001
#2	.0006	.0010	-.0006	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137850.	45294.	2924.5	8715.5
Stddev	887.	76.	31.0	65.4
%RSD	.64316	.16825	1.0592	.75009
#1	138480.	45348.	2946.4	8761.8
#2	137230.	45240.	2902.6	8669.3

Zoom In Zoom Out

Sample Name: MP55422-B1 Acquired: 11/1/2010 21:48:12 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	3.955	.1009	.0958	.9877	.4087	.4734	1.044	.9674	.1003
Stddev	.004	.0001	.0000	.0021	.0013	.0036	.006	.0020	.0003
%RSD	.0955	.1263	.0331	.2084	.3068	.7564	.5556	.2033	.2750
#1	3.952	.1010	.0958	.9862	.4096	.4759	1.048	.9660	.1005
#2	3.957	.1008	.0958	.9891	.4078	.4708	1.040	.9687	.1001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.9416	.9952	3.724	3.692	.9415	3.613	.9512	52.95	12.46
Stddev	.0071	.0025	.004	.010	.0031	.001	.0024	.12	.02
%RSD	.7501	.2492	.1175	.2745	.3292	.0385	.2473	.2282	.1420
#1	.9466	.9935	3.721	3.685	.9393	3.614	.9496	52.87	12.45
#2	.9366	.9970	3.727	3.700	.9437	3.612	.9529	53.04	12.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	52.13	12.08	12.71	12.87	.9409	1.007	.4396	1.900	.9966
Stddev	.02	.02	.03	.05	.0004	.002	.0039	.003	.0014
%RSD	.0389	.1517	.2701	.3569	.0390	.1645	.8927	.1626	.1434
#1	52.12	12.06	12.68	12.84	.9407	1.006	.4424	1.898	.9956
#2	52.14	12.09	12.73	12.90	.9412	1.008	.4368	1.902	.9976

Elem	Sr4077.	Ti3349	W_2079	Zr3391
Avg	1.032	.9918	.0602	-.0021
Stddev	.001	.0069	.0002	.0000
%RSD	.0711	.6926	.3646	2.270
#1	1.031	.9966	.0603	-.0021
#2	1.032	.9869	.0600	-.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	132260.	44278.	2874.4	8241.9
Stddev	1069.	19.	2.4	3.4
%RSD	.80848	.04320	.08456	.04123
#1	131500.	44264.	2872.7	8239.5
#2	133020.	44292.	2876.2	8244.3

Zoom In Zoom Out

Sample Name: MP55422-S1 Acquired: 11/1/2010 21:54:14 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	3.976	.0973	.0910	.9658	.4528	.5672	4.829	1.053	.0948
Stddev	.026	.0006	.0002	.0004	.0004	.0032	.053	.002	.0001
%RSD	.6634	.5754	.2710	.0411	.0902	.5561	1.092	.1525	.0793
#1	3.957	.0969	.0911	.9661	.4525	.5694	4.866	1.054	.0948
#2	3.994	.0977	.0908	.9655	.4531	.5649	4.792	1.052	.0947

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.9465	1.232	3.529	3.542	.9793	3.400	.6150	109.5	27.82
Stddev	.0012	.002	.005	.007	.0035	.002	.0005	.9	.18
%RSD	.1309	.1555	.1517	.2007	.3604	.0435	.0745	.7770	.6498
#1	.9474	1.234	3.532	3.547	.9818	3.401	.6147	108.9	27.70
#2	.9457	1.231	3.525	3.537	.9768	3.399	.6153	110.1	27.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	158.4	30.87	21.05	12.77	.8618	.9142	.3611	3.927	.8875
Stddev	1.1	.18	.16	.09	.0017	.0013	.0008	.009	.0015
%RSD	.7146	.5880	.7371	.6755	.1918	.1369	.2078	.2225	.1746
#1	157.6	30.74	20.94	12.70	.8630	.9151	.3617	3.933	.8886
#2	159.2	31.00	21.16	12.83	.8606	.9133	.3606	3.920	.8864

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.041	1.370	.0715	.1102
Stddev	.007	.001	.0006	.0002
%RSD	.6506	.0624	.8146	.1557
#1	1.036	1.370	.0720	.1103
#2	1.046	1.369	.0711	.1101

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	134760.	45081.	2906.3	7916.0
Stddev	680.	237.	4.0	10.3
%RSD	.50457	.52520	.13660	.12981
#1	134280.	45248.	2903.5	7908.7
#2	135240.	44913.	2909.1	7923.3

◄ Zoom In ►
Zoom Out

Sample Name: MP55422-S2 Acquired: 11/1/2010 22:00:28 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	4.012	.1000	.0909	.9693	.4585	.5778	4.748	1.063	.0935
Stddev	.041	.0010	.0002	.0010	.0026	.0027	.033	.002	.0009
%RSD	1.023	1.040	.2574	.1002	.5712	.4684	.6936	.1463	.9238
#1	4.041	.1007	.0911	.9700	.4603	.5797	4.771	1.062	.0941
#2	3.983	.0992	.0908	.9686	.4566	.5759	4.724	1.064	.0929

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.9541	1.246	3.525	3.513	.9841	3.401	.6618	116.1	27.81
Stddev	.0057	.002	.006	.004	.0032	.012	.0009	1.0	.25
%RSD	.5981	.1607	.1600	.1253	.3285	.3450	.1374	.8867	.9101
#1	.9581	1.245	3.529	3.510	.9818	3.409	.6625	116.9	27.99
#2	.9500	1.248	3.521	3.516	.9863	3.393	.6612	115.4	27.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	168.3	32.79	22.79	12.90	.8777	.9202	.2611	7.109	.8835
Stddev	.8	.29	.24	.13	.0017	.0011	.0015	.030	.0015
%RSD	.4670	.8874	1.055	1.019	.1966	.1164	.5880	.4275	.1652
#1	168.8	33.00	22.96	12.99	.8789	.9209	.2622	7.131	.8845
#2	167.7	32.59	22.62	12.81	.8765	.9194	.2600	7.088	.8824

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	1.062	1.485	.0754	.1127
Stddev	.012	.010	.0001	.0006
%RSD	1.095	.6780	.1105	.5632
#1	1.070	1.492	.0753	.1131
#2	1.054	1.478	.0754	.1122

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	135490.	44277.	2907.5	7890.7
Stddev	630.	404.	11.6	13.3
%RSD	.46513	.91314	.40053	.16910
#1	135050.	43991.	2899.3	7881.3
#2	135940.	44563.	2915.8	7900.2

◄ Zoom In ►
Zoom Out

Sample Name: CCV Acquired: 11/1/2010 22:06:43 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	2.040	2.097	2.009	2.034	2.073	1.973	2.091	2.030	.2520
Stddev	.015	.023	.001	.000	.005	.012	.009	.001	.0017
%RSD	.7169	1.096	.0637	.0206	.2607	.6083	.4247	.0282	.6563
#1	2.030	2.081	2.008	2.033	2.069	1.965	2.085	2.030	.2508
#2	2.051	2.114	2.010	2.034	2.077	1.982	2.098	2.029	.2532
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	2.074	2.093	1.966	2.048	2.022	1.961	1.962	41.50	42.88
Stddev	.010	.002	.002	.003	.002	.004	.001	.34	.58
%RSD	.5036	.1047	.1167	.1344	.0857	.2223	.0667	.8312	1.351
#1	2.066	2.094	1.964	2.050	2.024	1.958	1.961	41.26	42.47
#2	2.081	2.091	1.967	2.046	2.021	1.964	1.963	41.74	43.29
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	42.43	42.44	42.61	41.91	1.987	2.022	1.980	4.950	2.055
Stddev	.51	.58	.23	.25	.002	.003	.008	.006	.001
%RSD	1.190	1.365	.5365	.5899	.0781	.1360	.4165	.1247	.0580
#1	42.08	42.03	42.45	41.74	1.986	2.020	1.974	4.946	2.054
#2	42.79	42.85	42.77	42.09	1.988	2.024	1.986	4.955	2.055
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 22:06:43 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	2.023	2.019	2.013	2.052
Stddev	.023	.009	.013	.012
%RSD	1.128	.4701	.6312	.5902
#1	2.007	2.013	2.004	2.043
#2	2.040	2.026	2.022	2.060
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	132500.	43651.	2864.4	7957.6
Stddev	531.	376.	4.1	5.1
%RSD	.40102	.86050	.14327	.06401
#1	132880.	43916.	2867.3	7961.2
#2	132130.	43385.	2861.5	7954.0

◄ Zoom In ►
Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0001	.0000	.0000	.0004	.0003	-.0001	.0000
Stddev	.0001	.0000	.0000	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	27.65	1.022	5.014	1095.	77.93	31.21	2.336	75.35	332.7
#1	.0003	.0002	.0001	.0000	.0000	.0005	.0003	.0000	.0001
#2	.0002	.0002	.0001	.0000	.0000	.0003	.0003	-.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	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0005	.0017	-.0002	.0009	.0007	.0077	.0016
Stddev	.0002	.0000	.0002	.0004	.0001	.0001	.0005	.0003	.0005
%RSD	355.0	11.44	43.59	25.71	43.28	7.718	67.79	4.531	28.66
#1	.0002	.0002	.0006	.0021	-.0003	.0010	.0010	.0079	.0020
#2	-.0001	.0002	.0003	.0014	-.0002	.0009	.0004	.0074	.0013
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	.0064	.0134	.0256	.0075	.0016	.0008	.0002	.0046	-.0002
Stddev	.0003	.0030	.0168	.0020	.0001	.0001	.0004	.0015	.0001
%RSD	4.003	22.66	65.59	26.41	5.815	10.54	196.9	33.05	93.87
#1	.0063	.0156	.0137	.0061	.0016	.0009	-.0001	.0035	-.0001
#2	.0066	.0113	.0375	.0089	.0015	.0008	.0005	.0056	-.0003
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 22:12:48 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	.0133	.0007
Stddev	.0000	.0003	.0010	.0000
%RSD	17.99	55.89	7.167	1.980
#1	.0002	.0007	.0139	.0007
#2	.0002	.0003	.0126	.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	137090.	44421.	2983.2	8763.7
Stddev	1.	151.	20.6	66.7
%RSD	.00074	.33966	.68974	.76160
#1	137080.	44314.	2997.8	8810.9
#2	137090.	44527.	2968.7	8716.5

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2193	.0028	.0006	.0578	.0675	.1229	4.182	.1130	.0000
Stddev	.0006	.0000	.0001	.0003	.0001	.0005	.013	.0003	.0002
%RSD	.2877	.5219	23.84	.4345	.2170	.4362	.3087	.2473	620.3
#1	.2189	.0028	.0005	.0580	.0676	.1226	4.173	.1128	.0002
#2	.2198	.0029	.0007	.0576	.0674	.1233	4.192	.1132	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0652	.3101	.0268	.0014	.0763	.0052	.0007	44.92	15.66
Stddev	.0000	.0008	.0002	.0003	.0001	.0005	.0001	.03	.15
%RSD	.0754	.2536	.8892	23.23	.1932	10.42	17.57	.0678	.9553
#1	.0652	.3096	.0269	.0012	.0762	.0056	.0008	44.90	15.77
#2	.0652	.3107	.0266	.0016	.0764	.0048	.0007	44.94	15.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	122.3	18.85	5.789	.3701	.0083	.0006	.0033	1.423	.0087
Stddev	.2	.17	.009	.0002	.0004	.0001	.0001	.010	.0002
%RSD	.1484	.8981	.1627	.0506	4.447	12.24	4.454	.6718	1.928
#1	122.4	18.97	5.783	.3700	.0086	.0006	.0034	1.429	.0089
#2	122.2	18.73	5.796	.3703	.0081	.0005	.0032	1.416	.0086

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0623	.3735	.0212	.0716
Stddev	.0000	.0030	.0006	.0000
%RSD	.0114	.8059	3.065	.0439
#1	.0623	.3713	.0216	.0716
#2	.0623	.3756	.0207	.0716

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138910.	45927.	2959.7	8280.6
Stddev	852.	198.	11.0	30.6
%RSD	.61310	.43219	.37192	.36912
#1	139520.	45786.	2967.5	8302.2
#2	138310.	46067.	2951.9	8258.9

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2218	.0029	.0001	.0586	.0696	.1253	4.424	.1105	-.0005
Stddev	.0006	.0000	.0001	.0001	.0011	.0007	.002	.0006	.0006
%RSD	.2623	.2181	89.70	.1269	1.628	.5898	.0341	.5006	102.8
#1	.2214	.0029	.0002	.0587	.0688	.1258	4.423	.1108	-.0001
#2	.2222	.0029	.0000	.0586	.0704	.1248	4.425	.1101	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0668	.3238	.0259	.0043	.0724	.0094	-.0004	44.68	16.25
Stddev	.0011	.0016	.0004	.0013	.0032	.0019	.0004	.15	.08
%RSD	1.626	.5078	1.650	30.22	4.359	19.96	94.65	.3315	.5096
#1	.0660	.3250	.0262	.0053	.0702	.0108	-.0001	44.57	16.31
#2	.0675	.3226	.0256	.0034	.0746	.0081	-.0007	44.78	16.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	131.1	19.18	5.776	.3597	.0086	.0011	.0088	1.484	.0087
Stddev	.1	.11	.002	.0053	.0008	.0004	.0031	.006	.0031
%RSD	.0626	.5631	.0298	1.468	9.123	33.90	35.22	.3911	35.72
#1	131.1	19.26	5.777	.3635	.0080	.0008	.0110	1.488	.0109
#2	131.2	19.11	5.775	.3560	.0091	.0014	.0066	1.480	.0065

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0630	.3883	.0404	.0716
Stddev	.0003	.0057	.0027	.0000
%RSD	.4725	1.476	6.738	.0545
#1	.0628	.3924	.0423	.0716
#2	.0632	.3843	.0385	.0715

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137820.	44657.	2971.5	8644.2
Stddev	199.	35.	14.9	32.0
%RSD	.14460	.07726	.50246	.36983
#1	137960.	44632.	2961.0	8621.6
#2	137680.	44681.	2982.1	8666.8

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.3228	.0034	.0034	.1089	.0853	.1347	2.733	.2053	.0013
Stddev	.0004	.0000	.0002	.0007	.0005	.0002	.007	.0013	.0000
%RSD	.1191	.5801	5.368	.6104	.5622	.1633	.2410	.6442	.5590
#1	.3231	.0034	.0033	.1084	.0856	.1349	2.738	.2044	.0013
#2	.3225	.0034	.0035	.1094	.0849	.1346	2.729	.2063	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0826	2.149	.0428	.0001	.1030	.0103	.0020	62.24	9.798
Stddev	.0002	.009	.0010	.0005	.0006	.0005	.0001	.01	.038
%RSD	.2889	.4440	2.270	510.7	.5595	5.314	7.159	.0114	.3865
#1	.0824	2.142	.0421	.0005	.1026	.0106	.0021	62.24	9.771
#2	.0828	2.156	.0435	-.0003	.1034	.0099	.0019	62.25	9.825

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	153.8	18.80	7.223	.4170	.0130	.0012	.0038	2.569	.0104
Stddev	.4	.06	.001	.0009	.0000	.0000	.0005	.008	.0003
%RSD	.2720	.3044	.0169	.2150	.0045	.0840	12.60	.3038	2.581
#1	153.5	18.76	7.224	.4177	.0130	.0012	.0035	2.574	.0106
#2	154.1	18.84	7.222	.4164	.0130	.0012	.0041	2.563	.0102

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0532	.3888	.0293	.0635
Stddev	.0001	.0022	.0006	.0006
%RSD	.2691	.5566	2.097	.8803
#1	.0533	.3903	.0288	.0639
#2	.0531	.3873	.0297	.0631

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138130.	45504.	2953.6	8199.1
Stddev	5.	129.	3.8	14.2
%RSD	.00385	.28313	.12843	.17379
#1	138120.	45595.	2956.3	8209.2
#2	138130.	45413.	2951.0	8189.0

Zoom In Zoom Out

Sample Name: JA58750-2 Acquired: 11/1/2010 22:37:27 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	.1944	.0025	.0005	.0548	.0745	.1192	3.118	.1151	-.0001
Stddev	.0005	.0000	.0001	.0001	.0002	.0008	.040	.0004	.0000
%RSD	.2826	.1481	25.51	.1606	.2163	.7037	1.270	.3882	27.71
#1	.1940	.0025	.0004	.0548	.0744	.1198	3.090	.1148	-.0001
#2	.1948	.0025	.0006	.0549	.0746	.1186	3.146	.1154	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0608	.3047	.0256	.0015	.0654	.0056	.0013	42.74	12.11
Stddev	.0000	.0004	.0002	.0001	.0011	.0009	.0002	.07	.05
%RSD	.0295	.1209	.9175	9.809	1.687	15.39	13.10	.1571	.3859
#1	.0608	.3045	.0255	.0016	.0646	.0062	.0011	42.69	12.14
#2	.0608	.3050	.0258	.0014	.0662	.0050	.0014	42.78	12.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	112.3	17.78	5.521	.3447	.0085	.0007	.0039	1.717	.0088
Stddev	.3	.09	.016	.0033	.0003	.0000	.0009	.022	.0000
%RSD	.3025	.4991	.2954	.9656	3.392	.3584	23.67	1.274	.3948
#1	112.6	17.85	5.510	.3424	.0087	.0007	.0046	1.701	.0088
#2	112.1	17.72	5.533	.3471	.0083	.0007	.0033	1.732	.0088

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0551	.3523	.0177	.0671
Stddev	.0001	.0016	.0003	.0002
%RSD	.1830	.4489	1.481	.3162
#1	.0550	.3534	.0175	.0672
#2	.0552	.3512	.0179	.0669

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138880.	45820.	2960.8	8328.0
Stddev	457.	110.	12.6	34.0
%RSD	.32904	.23950	.42487	.40834
#1	138560.	45743.	2969.7	8352.1
#2	139200.	45898.	2951.9	8304.0

Zoom In Zoom Out

Sample Name: JA58750-3 Acquired: 11/1/2010 22:43:39 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	.1422	.0021	.0004	.0440	.0500	.0887	2.522	.0831	-.0001
Stddev	.0005	.0000	.0001	.0002	.0005	.0005	.004	.0001	.0000
%RSD	.3736	.6076	18.36	.4866	.9430	.5450	.1767	.1159	.6874
#1	.1418	.0021	.0003	.0438	.0503	.0884	2.526	.0832	-.0001
#2	.1426	.0021	.0004	.0441	.0497	.0891	2.519	.0830	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0487	.2332	.0230	.0017	.0590	.0046	.0010	31.68	10.39
Stddev	.0001	.0010	.0010	.0007	.0014	.0005	.0005	.17	.01
%RSD	.1390	.4457	4.161	42.92	2.405	11.07	50.92	.5449	.1112
#1	.0487	.2339	.0237	.0022	.0600	.0042	.0006	31.56	10.40
#2	.0488	.2324	.0223	.0012	.0580	.0049	.0014	31.80	10.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	90.59	13.74	4.382	.2865	.0067	.0006	.0041	1.365	.0100
Stddev	.13	.03	.035	.0009	.0003	.0001	.0009	.011	.0002
%RSD	.1389	.2049	.8051	.3212	3.899	21.97	20.71	.8053	1.661
#1	90.50	13.76	4.357	.2872	.0068	.0007	.0047	1.373	.0101
#2	90.68	13.72	4.407	.2859	.0065	.0005	.0035	1.358	.0099

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0452	.3019	.0147	.0527
Stddev	.0002	.0003	.0002	.0000
%RSD	.4327	.0990	1.529	.0792
#1	.0451	.3021	.0148	.0527
#2	.0453	.3017	.0145	.0527

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138930.	45836.	2960.5	8418.0
Stddev	91.	101.	9.5	13.7
%RSD	.06565	.22031	.32236	.16286
#1	139000.	45908.	2967.3	8427.7
#2	138870.	45765.	2953.8	8408.3

Zoom In Zoom Out

Sample Name: JA58750-4 Acquired: 11/1/2010 22:49:42 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	.1934	.0024	.0005	.0500	.0569	.1041	3.583	.0960	.0001
Stddev	.0009	.0000	.0000	.0002	.0002	.0001	.005	.0004	.0001
%RSD	.4572	.0084	1.252	.4350	.4315	.1363	.1491	.4316	102.9
#1	.1941	.0024	.0005	.0498	.0571	.1042	3.587	.0957	.0000
#2	.1928	.0024	.0006	.0501	.0568	.1040	3.579	.0963	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0556	.2736	.0239	.0012	.0644	.0052	.0003	37.85	14.13
Stddev	.0002	.0021	.0003	.0002	.0006	.0008	.0005	.16	.04
%RSD	.3878	.7775	1.427	13.29	.9354	14.54	141.7	.4119	.2720
#1	.0557	.2721	.0236	.0013	.0640	.0047	.0000	37.96	14.16
#2	.0554	.2751	.0241	.0011	.0648	.0058	.0007	37.74	14.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	103.0	16.00	5.372	.3577	.0080	.0004	.0028	1.574	.0106
Stddev	.2	.06	.041	.0017	.0000	.0000	.0005	.003	.0009
%RSD	.1557	.3934	.7563	.4878	.2213	.5224	16.95	.1945	8.500
#1	102.9	16.05	5.401	.3589	.0080	.0004	.0031	1.576	.0100
#2	103.1	15.96	5.343	.3565	.0080	.0004	.0025	1.572	.0113

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0562	.3518	.0166	.0602
Stddev	.0003	.0018	.0004	.0001
%RSD	.5642	.4984	2.275	.1159
#1	.0565	.3506	.0163	.0601
#2	.0560	.3530	.0169	.0602

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137800.	45436.	2960.9	8344.2
Stddev	154.	122.	6.1	21.7
%RSD	.11207	.26812	.20584	.25993
#1	137690.	45350.	2965.2	8359.5
#2	137910.	45522.	2956.6	8328.8

Zoom In Zoom Out

Sample Name: JA58750-5 Acquired: 11/1/2010 22:55:57 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	.2435	.0030	.0006	.0575	.0708	.1224	3.618	.1138	.0002
Stddev	.0003	.0000	.0002	.0004	.0003	.0002	.016	.0001	.0002
%RSD	.1293	.6025	33.55	.6412	.4071	.1289	.4527	.1182	75.06
#1	.2437	.0030	.0008	.0577	.0710	.1223	3.630	.1139	.0003
#2	.2433	.0030	.0005	.0572	.0706	.1225	3.607	.1137	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0666	.3195	.0215	.0008	.0834	.0063	.0012	45.58	13.45
Stddev	.0007	.0008	.0008	.0014	.0017	.0003	.0003	.02	.04
%RSD	.9922	.2401	3.822	180.6	1.982	5.045	22.82	.0430	.3053
#1	.0670	.3200	.0209	-.0002	.0846	.0060	.0014	45.56	13.48
#2	.0661	.3190	.0221	.0018	.0822	.0065	.0010	45.59	13.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	109.3	17.99	6.577	.4393	.0112	.0004	.0043	1.753	.0115
Stddev	.1	.04	.023	.0008	.0002	.0001	.0005	.012	.0003
%RSD	.1088	.2395	.3506	.1903	1.976	27.83	11.94	.7101	2.732
#1	109.2	18.02	6.561	.4387	.0113	.0004	.0039	1.762	.0117
#2	109.4	17.96	6.594	.4398	.0110	.0005	.0047	1.744	.0113

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0608	.3972	.0176	.0687
Stddev	.0000	.0018	.0002	.0002
%RSD	.0085	.4653	.9464	.2911
#1	.0608	.3985	.0178	.0689
#2	.0608	.3959	.0175	.0686

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139420.	45638.	2963.5	8307.5
Stddev	310.	75.	2.5	2.2
%RSD	.22213	.16506	.08275	.02665
#1	139200.	45585.	2961.8	8309.0
#2	139640.	45691.	2965.3	8305.9

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1948	.0027	.0004	.0556	.0594	.1068	3.134	.1034	-.0001
Stddev	.0002	.0000	.0000	.0003	.0000	.0006	.004	.0005	.0001
%RSD	.0896	.5817	1.874	.6006	.0364	.5610	.1334	.4802	75.25
#1	.1949	.0027	.0004	.0554	.0594	.1064	3.137	.1031	.0000
#2	.1947	.0026	.0004	.0558	.0594	.1072	3.132	.1038	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0583	.2984	.0239	.0014	.0796	.0053	.0006	39.40	13.12
Stddev	.0002	.0018	.0002	.0003	.0002	.0007	.0004	.08	.09
%RSD	.3422	.6191	.7319	24.06	.1978	12.72	71.52	.2020	.6876
#1	.0582	.2971	.0238	.0011	.0795	.0048	.0003	39.34	13.06
#2	.0585	.2997	.0240	.0016	.0797	.0058	.0009	39.45	13.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	108.1	16.07	5.093	.3360	.0072	.0007	.0035	1.437	.0108
Stddev	.7	.09	.020	.0032	.0003	.0001	.0008	.007	.0002
%RSD	.6787	.5315	.3826	.9406	4.510	8.244	21.98	.5237	1.799
#1	107.6	16.01	5.080	.3382	.0070	.0007	.0029	1.442	.0110
#2	108.6	16.13	5.107	.3338	.0075	.0007	.0040	1.432	.0107

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0548	.3307	.0156	.0611
Stddev	.0001	.0025	.0000	.0002
%RSD	.1110	.7626	.1714	.3664
#1	.0549	.3289	.0156	.0610
#2	.0548	.3324	.0155	.0613

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138570.	45749.	2975.3	8370.2
Stddev	648.	298.	2.7	15.8
%RSD	.46753	.65233	.09217	.18889
#1	139030.	45960.	2977.2	8381.4
#2	138110.	45538.	2973.3	8359.1

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2041	.0027	.0006	.0579	.0699	.1019	3.474	.1167	.0001
Stddev	.0005	.0000	.0002	.0005	.0003	.0004	.020	.0004	.0001
%RSD	.2277	.8618	30.50	.8070	.4670	.3626	.5856	.3102	62.43
#1	.2038	.0027	.0004	.0576	.0697	.1016	3.459	.1165	.0001
#2	.2044	.0027	.0007	.0582	.0702	.1022	3.488	.1170	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0656	.3106	.0256	.0008	.0652	.0056	.0013	45.78	14.60
Stddev	.0000	.0015	.0004	.0006	.0003	.0005	.0006	.08	.03
%RSD	.0474	.4822	1.439	82.84	.4212	8.421	42.62	.1677	.1788
#1	.0656	.3095	.0254	.0003	.0650	.0060	.0009	45.72	14.58
#2	.0655	.3116	.0259	.0012	.0654	.0053	.0017	45.83	14.62

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	118.1	19.42	5.669	.3471	.0081	.0004	.0041	1.802	.0094
Stddev	.9	.03	.015	.0017	.0001	.0001	.0008	.006	.0003
%RSD	.7547	.1375	.2699	.4878	.9556	13.29	20.94	.3203	3.228
#1	117.5	19.40	5.658	.3483	.0080	.0004	.0035	1.798	.0096
#2	118.7	19.44	5.680	.3459	.0081	.0004	.0047	1.806	.0092

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0645	.3750	.0176	.0663
Stddev	.0001	.0014	.0004	.0003
%RSD	.0838	.3695	2.361	.3902
#1	.0645	.3741	.0173	.0661
#2	.0645	.3760	.0179	.0665

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138890.	45478.	2968.1	8313.0
Stddev	543.	224.	18.6	46.0
%RSD	.39112	.49214	.62577	.55357
#1	139270.	45636.	2981.2	8345.5
#2	138500.	45319.	2954.9	8280.4

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1514	.0015	.0003	.0371	.0408	.0547	1.255	.0663	.0000
Stddev	.0010	.0000	.0000	.0001	.0006	.0004	.010	.0002	.0001
%RSD	.6551	2.180	3.628	.2249	1.565	.8000	.7692	.3641	444.5
#1	.1521	.0016	.0003	.0372	.0404	.0544	1.248	.0665	-.0001
#2	.1507	.0015	.0003	.0371	.0413	.0550	1.262	.0662	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0423	.2039	.0168	.0019	.0371	.0034	.0007	27.75	5.301
Stddev	.0003	.0001	.0001	.0001	.0002	.0001	.0004	.21	.052
%RSD	.6592	.0441	.3863	6.831	.4270	3.219	53.40	.7599	.9876
#1	.0421	.2038	.0168	.0020	.0372	.0035	.0009	27.89	5.338
#2	.0425	.2040	.0167	.0018	.0369	.0034	.0004	27.60	5.264

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	67.41	9.151	3.519	.2703	.0065	.0002	.0033	1.082	.0124
Stddev	.59	.116	.019	.0016	.0002	.0001	.0002	.011	.0000
%RSD	.8808	1.264	.5299	.5921	3.635	37.35	7.278	1.036	.2098
#1	67.83	9.233	3.532	.2715	.0067	.0003	.0034	1.090	.0124
#2	66.99	9.069	3.505	.2692	.0064	.0002	.0031	1.074	.0124

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0301	.2333	.0105	.0319
Stddev	.0001	.0030	.0000	.0003
%RSD	.4847	1.291	.2523	.8347
#1	.0302	.2312	.0105	.0318
#2	.0300	.2355	.0105	.0321

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139950.	45529.	2967.5	8485.0
Stddev	863.	398.	7.8	23.9
%RSD	.61662	.87353	.26414	.28122
#1	140560.	45248.	2973.0	8501.9
#2	139340.	45810.	2961.9	8468.1

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	2.087	2.025	2.050	2.082	1.994	2.113	2.041	.2545
Stddev	.000	.007	.000	.003	.003	.011	.006	.003	.0008
%RSD	.0031	.3515	.0046	.1243	.1270	.5476	.2765	.1559	.3131
#1	2.034	2.081	2.025	2.048	2.084	2.002	2.117	2.039	.2550
#2	2.034	2.092	2.024	2.051	2.080	1.986	2.108	2.043	.2539
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	2.095	2.106	1.982	2.061	2.037	1.974	1.977	41.39	42.68
Stddev	.005	.005	.002	.000	.007	.002	.000	.03	.21
%RSD	.2417	.2251	.1035	.0047	.3371	.1105	.0050	.0805	.4842
#1	2.099	2.103	1.980	2.061	2.032	1.972	1.978	41.36	42.54
#2	2.092	2.110	1.983	2.061	2.042	1.975	1.977	41.41	42.83
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	42.20	42.18	42.61	41.84	2.004	2.036	1.998	5.010	2.068
Stddev	.16	.25	.07	.07	.001	.003	.010	.003	.004
%RSD	.3704	.5877	.1695	.1722	.0363	.1315	.5143	.0506	.1739
#1	42.09	42.00	42.66	41.89	2.003	2.034	2.005	5.012	2.066
#2	42.31	42.35	42.55	41.79	2.004	2.038	1.990	5.008	2.071
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 23:20:48 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	2.000	2.041	2.036	2.069
Stddev	.009	.010	.011	.010
%RSD	.4431	.4914	.5332	.4687
#1	2.006	2.048	2.028	2.075
#2	1.993	2.034	2.044	2.062
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	132030.	43689.	2858.1	7947.7
Stddev	701.	99.	2.8	21.2
%RSD	.53077	.22645	.09809	.26656
#1	131530.	43759.	2860.1	7962.6
#2	132530.	43619.	2856.1	7932.7

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0001	.0001	.0003	.0005	.0004	.0001	-.0001
Stddev	.0000	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0000
%RSD	2.778	12.31	114.4	26.70	25.20	27.03	15.16	216.9	4.259
#1	.0003	.0003	.0002	.0001	.0004	.0006	.0005	.0001	-.0001
#2	.0003	.0003	.0000	.0000	.0003	.0004	.0004	.0000	-.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	.0004	.0000	.0007	.0013	-.0002	.0005	-.0002	.0070	.0023
Stddev	.0001	.0000	.0001	.0000	.0004	.0002	.0001	.0050	.0004
%RSD	40.08	76.89	17.77	1.986	235.5	45.14	66.09	71.26	16.12
#1	.0005	.0000	.0008	.0013	-.0004	.0004	-.0003	.0035	.0020
#2	.0003	.0000	.0006	.0014	.0001	.0007	-.0001	.0105	.0025
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	.0076	.0024	.0179	.0057	.0011	.0007	.0008	.0041	.0001
Stddev	.0013	.0066	.0009	.0039	.0001	.0001	.0000	.0012	.0003
%RSD	17.11	277.8	4.876	67.37	5.952	17.86	1.427	28.72	384.8
#1	.0067	-.0023	.0185	.0085	.0010	.0008	.0008	.0033	-.0001
#2	.0085	.0070	.0172	.0030	.0011	.0006	.0008	.0050	.0003
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 23:26:52 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	.0007	.0139	.0007
Stddev	.0001	.0001	.0013	.0001
%RSD	23.66	20.71	9.588	8.556
#1	.0002	.0006	.0148	.0007
#2	.0003	.0007	.0130	.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	137750.	44213.	2984.3	8782.1
Stddev	264.	11.	4.2	10.9
%RSD	.19143	.02530	.14061	.12427
#1	137930.	44205.	2981.4	8774.4
#2	137560.	44221.	2987.3	8789.8

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.3627	.0039	.0010	.0748	.0899	.1442	4.583	.1440	.0002
Stddev	.0014	.0000	.0002	.0000	.0001	.0003	.044	.0001	.0002
%RSD	.3929	.3806	15.64	.0081	.0950	.1894	.9525	.0359	93.97
#1	.3617	.0039	.0009	.0748	.0898	.1440	4.552	.1440	.0001
#2	.3637	.0039	.0011	.0748	.0899	.1444	4.614	.1440	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0852	.4058	.0682	.0014	.1143	.0070	.0015	62.04	11.79
Stddev	.0003	.0000	.0004	.0001	.0019	.0008	.0005	.30	.00
%RSD	.3313	.0114	.6333	5.732	1.639	11.11	32.55	.4813	.0146
#1	.0854	.4058	.0685	.0014	.1129	.0065	.0019	61.83	11.79
#2	.0850	.4059	.0679	.0013	.1156	.0076	.0012	62.25	11.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	138.8	22.15	8.845	.5886	.0124	.0002	.0018	1.891	.0066
Stddev	.4	.00	.035	.0046	.0004	.0002	.0005	.005	.0005
%RSD	.3139	.0151	.3987	.7747	3.446	98.83	25.58	.2668	7.454
#1	139.1	22.15	8.820	.5853	.0127	.0001	.0021	1.895	.0063
#2	138.4	22.16	8.870	.5918	.0121	.0003	.0015	1.888	.0070

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.1022	.4600	.0232	.0851
Stddev	.0004	.0008	.0006	.0002
%RSD	.3484	.1654	2.737	.2480
#1	.1019	.4594	.0237	.0850
#2	.1024	.4605	.0228	.0852

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139100.	45747.	2972.3	8242.6
Stddev	394.	102.	7.2	17.6
%RSD	.28319	.22239	.24373	.21374
#1	139380.	45819.	2977.4	8255.0
#2	138820.	45675.	2967.2	8230.1

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1673	.0022	.0004	.0544	.0553	.1023	3.463	.0994	-.0003
Stddev	.0011	.0000	.0001	.0001	.0009	.0004	.075	.0001	.0001
%RSD	.6628	.6947	29.16	.1301	1.544	.3741	2.166	.1246	43.76
#1	.1666	.0022	.0003	.0545	.0547	.1020	3.410	.0995	-.0003
#2	.1681	.0022	.0005	.0544	.0559	.1025	3.516	.0993	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0533	.2911	.0254	.0006	.0559	.0043	.0008	36.06	16.29
Stddev	.0005	.0009	.0005	.0003	.0003	.0003	.0002	.20	.08
%RSD	1.021	.3161	1.962	41.09	.6075	6.615	27.45	.5681	.5032
#1	.0529	.2905	.0257	.0005	.0561	.0041	.0009	35.91	16.23
#2	.0536	.2918	.0250	.0008	.0556	.0045	.0006	36.20	16.35

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	103.6	15.69	4.564	.3959	.0069	.0006	.0037	1.428	.0097
Stddev	1.0	.13	.016	.0032	.0001	.0001	.0001	.006	.0006
%RSD	.9920	.8382	.3452	.8131	2.008	21.64	1.412	.4531	6.267
#1	102.9	15.60	4.553	.3937	.0068	.0006	.0037	1.424	.0093
#2	104.3	15.78	4.575	.3982	.0070	.0005	.0037	1.433	.0102

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0831	.3301	.0198	.0602
Stddev	.0004	.0079	.0008	.0006
%RSD	.4365	2.398	3.904	.9808
#1	.0829	.3245	.0193	.0598
#2	.0834	.3357	.0204	.0607

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139760.	45300.	2988.2	8376.6
Stddev	994.	224.	10.6	16.5
%RSD	.71122	.49385	.35308	.19669
#1	140470.	45458.	2995.7	8388.2
#2	139060.	45141.	2980.8	8364.9

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2679	.0031	.0006	.0590	.0794	.1198	3.893	.1177	-.0001
Stddev	.0022	.0001	.0001	.0002	.0001	.0002	.030	.0000	.0003
%RSD	.8323	1.740	11.72	.2687	.1182	.1923	.7622	.0075	467.1
#1	.2664	.0031	.0006	.0589	.0795	.1199	3.872	.1177	.0002
#2	.2695	.0032	.0005	.0591	.0793	.1196	3.914	.1177	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0697	.3260	.0220	.0019	.0841	.0067	.0013	47.15	12.66
Stddev	.0001	.0003	.0003	.0010	.0008	.0001	.0003	.45	.06
%RSD	.0841	.0874	1.473	53.96	.9728	1.201	21.67	.9438	.5031
#1	.0696	.3262	.0222	.0011	.0835	.0068	.0015	46.83	12.62
#2	.0697	.3258	.0217	.0026	.0846	.0067	.0011	47.46	12.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	111.0	18.01	6.934	.3963	.0098	.0005	.0030	1.692	.0115
Stddev	1.0	.13	.057	.0037	.0004	.0000	.0016	.004	.0000
%RSD	.9211	.7475	.8195	.9407	4.252	1.009	54.62	.2363	.4195
#1	110.3	17.91	6.894	.3937	.0095	.0004	.0018	1.695	.0116
#2	111.7	18.10	6.974	.3989	.0101	.0005	.0041	1.689	.0115

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0589	.3906	.0187	.0726
Stddev	.0005	.0016	.0001	.0002
%RSD	.8695	.3971	.7259	.3097
#1	.0585	.3917	.0186	.0725
#2	.0592	.3895	.0188	.0728

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138780.	45467.	2985.4	8335.9
Stddev	185.	291.	.4	.6
%RSD	.13297	.64075	.01343	.00776
#1	138650.	45673.	2985.7	8335.5
#2	138910.	45261.	2985.2	8336.4

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2339	.0028	.0004	.0547	.1058	.1166	3.555	.1387	.0001
Stddev	.0002	.0000	.0000	.0004	.0006	.0001	.023	.0005	.0001
%RSD	.0945	.0787	8.338	.7736	.5584	.0494	.6513	.3835	77.79
#1	.2341	.0028	.0005	.0550	.1062	.1166	3.538	.1391	.0002
#2	.2338	.0028	.0004	.0544	.1054	.1166	3.571	.1383	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0665	.3156	.0299	.0010	.0816	.0067	.0017	47.11	15.47
Stddev	.0004	.0009	.0004	.0005	.0005	.0009	.0006	.03	.09
%RSD	.5712	.2760	1.500	53.17	.6285	13.73	33.30	.0638	.5967
#1	.0668	.3163	.0302	.0014	.0819	.0060	.0021	47.09	15.40
#2	.0663	.3150	.0296	.0006	.0812	.0073	.0013	47.13	15.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	124.5	19.44	6.389	.4356	.0093	.0012	.0044	1.680	.0079
Stddev	1.4	.12	.001	.0017	.0003	.0002	.0004	.002	.0001
%RSD	1.163	.5972	.0140	.3966	3.687	18.07	8.764	.1161	.9092
#1	123.4	19.35	6.388	.4368	.0096	.0013	.0042	1.682	.0078
#2	125.5	19.52	6.390	.4344	.0091	.0010	.0047	1.679	.0079

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0699	.3692	.0204	.0708
Stddev	.0000	.0000	.0001	.0000
%RSD	.0542	.0120	.4735	.0246
#1	.0699	.3691	.0204	.0708
#2	.0699	.3692	.0205	.0708

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139120.	45207.	2978.4	8313.7
Stddev	328.	146.	15.6	31.7
%RSD	.23607	.32203	.52343	.38166
#1	138890.	45310.	2967.4	8291.3
#2	139350.	45104.	2989.4	8336.1

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.1994	.0024	.0005	.0515	.0597	.1077	3.477	.1026	-.0001
Stddev	.0000	.0000	.0000	.0005	.0003	.0007	.013	.0008	.0000
%RSD	.0121	.9241	8.811	.8846	.4698	.6606	.3646	.7868	41.59
#1	.1994	.0024	.0005	.0512	.0599	.1072	3.486	.1020	.0000
#2	.1995	.0024	.0005	.0519	.0595	.1082	3.468	.1032	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0593	.2756	.0229	.0005	.0665	.0044	.0017	39.83	15.67
Stddev	.0003	.0013	.0002	.0000	.0010	.0019	.0002	.08	.01
%RSD	.4603	.4819	1.024	3.583	1.450	43.78	14.36	.1967	.0795
#1	.0591	.2747	.0227	.0006	.0658	.0031	.0015	39.78	15.66
#2	.0595	.2766	.0230	.0005	.0671	.0058	.0018	39.89	15.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	109.9	17.32	5.511	.3712	.0078	.0005	.0040	1.518	.0104
Stddev	.6	.02	.020	.0023	.0001	.0001	.0006	.012	.0001
%RSD	.5093	.0993	.3691	.6248	1.309	15.09	14.43	.7648	.7672
#1	109.5	17.31	5.496	.3728	.0078	.0004	.0044	1.510	.0103
#2	110.3	17.34	5.525	.3695	.0079	.0005	.0036	1.527	.0104

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0711	.3509	.0177	.0632
Stddev	.0000	.0009	.0002	.0003
%RSD	.0233	.2567	1.371	.4480
#1	.0711	.3516	.0176	.0630
#2	.0711	.3503	.0179	.0634

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139080.	45207.	2965.0	8309.3
Stddev	874.	141.	10.6	34.5
%RSD	.62861	.31165	.35820	.41470
#1	139700.	45306.	2972.5	8333.6
#2	138470.	45107.	2957.5	8284.9

Zoom In Zoom Out

Sample Name: JA58750-15 Acquired: 11/2/2010 0:04:21 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	.3231	.0032	.0005	.0589	.0684	.1209	3.159	.1127	.0000
Stddev	.0006	.0000	.0000	.0001	.0001	.0000	.004	.0004	.0002
%RSD	.1889	.2154	8.679	.1761	.0778	.0259	.1186	.3579	666.6
#1	.3235	.0032	.0005	.0588	.0685	.1209	3.157	.1130	-.0001
#2	.3227	.0032	.0005	.0590	.0684	.1209	3.162	.1125	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0667	.2976	.0278	.0016	.0747	.0061	.0012	47.18	11.79
Stddev	.0003	.0008	.0005	.0011	.0021	.0002	.0001	.07	.02
%RSD	.3869	.2615	1.966	68.73	2.751	2.939	10.67	.1590	.1888
#1	.0668	.2971	.0275	.0023	.0761	.0062	.0011	47.23	11.78
#2	.0665	.2982	.0282	.0008	.0732	.0060	.0013	47.12	11.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	110.3	16.28	7.420	.5391	.0108	.0003	.0035	2.157	.0095
Stddev	.1	.05	.015	.0003	.0001	.0000	.0011	.024	.0000
%RSD	.1257	.3190	.2022	.0481	1.288	1.121	30.92	1.127	.0602
#1	110.4	16.24	7.430	.5389	.0109	.0003	.0027	2.139	.0095
#2	110.2	16.32	7.409	.5392	.0107	.0003	.0042	2.174	.0095

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0697	.3497	.0172	.0645
Stddev	.0001	.0001	.0002	.0003
%RSD	.1153	.0393	1.408	.4995
#1	.0697	.3498	.0170	.0647
#2	.0696	.3496	.0174	.0643

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138910.	45523.	2961.6	8313.2
Stddev	153.	39.	6.7	12.3
%RSD	.10995	.08654	.22670	.14747
#1	139020.	45551.	2966.4	8321.8
#2	138800.	45495.	2956.9	8304.5

Zoom In Zoom Out

Sample Name: JA58750-16 Acquired: 11/2/2010 0:10:36 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	.2315	.0030	.0008	.0712	.0693	.1095	3.222	.1264	.0002
Stddev	.0009	.0000	.0000	.0003	.0000	.0008	.027	.0003	.0001
%RSD	.3888	.6415	4.124	.4227	.0249	.7092	.8471	.2300	33.65
#1	.2308	.0030	.0008	.0710	.0693	.1090	3.202	.1266	.0001
#2	.2321	.0031	.0008	.0714	.0693	.1101	3.241	.1262	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0627	.3655	.0284	.0006	.0851	.0066	.0011	41.28	32.58
Stddev	.0001	.0013	.0002	.0001	.0001	.0016	.0001	.21	.07
%RSD	.1212	.3440	.8787	15.76	.0923	24.88	7.595	.5021	.2133
#1	.0627	.3664	.0282	.0005	.0851	.0055	.0010	41.14	32.53
#2	.0628	.3646	.0285	.0007	.0852	.0078	.0011	41.43	32.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	112.6	15.79	5.424	.5236	.0082	.0015	.0035	1.469	.0135
Stddev	.6	.03	.028	.0039	.0000	.0001	.0008	.002	.0001
%RSD	.5409	.2144	.5182	.7413	.4128	5.816	22.14	.1094	.4512
#1	112.1	15.77	5.404	.5209	.0082	.0015	.0041	1.468	.0135
#2	113.0	15.82	5.444	.5263	.0081	.0014	.0030	1.470	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0922	.5038	.0232	.0614
Stddev	.0004	.0026	.0004	.0003
%RSD	.4824	.5221	1.607	.4846
#1	.0919	.5020	.0234	.0612
#2	.0925	.5057	.0229	.0616

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	138460.	45029.	2948.6	8249.4
Stddev	769.	188.	10.4	20.0
%RSD	.55553	.41748	.35441	.24281
#1	139000.	45162.	2956.0	8263.5
#2	137910.	44896.	2941.3	8235.2

Zoom In Zoom Out

Sample Name: JA58750-17 Acquired: 11/2/2010 0:16:52 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	.2418	.0028	.0006	.0641	.0707	.1171	4.323	.1223	.0001
Stddev	.0007	.0000	.0000	.0001	.0005	.0005	.006	.0003	.0000
%RSD	.2733	.3600	4.538	.1722	.7188	.4584	.1427	.2269	10.20
#1	.2423	.0028	.0006	.0642	.0703	.1174	4.328	.1221	.0001
#2	.2413	.0028	.0006	.0640	.0711	.1167	4.319	.1225	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0674	.3411	.0211	.0007	.0715	.0061	.0008	47.57	15.88
Stddev	.0000	.0006	.0003	.0004	.0006	.0014	.0003	.09	.06
%RSD	.0734	.1703	1.287	56.97	.8475	23.47	36.50	.1862	.3974
#1	.0674	.3407	.0209	.0009	.0719	.0051	.0006	47.63	15.83
#2	.0675	.3415	.0213	.0004	.0711	.0072	.0010	47.51	15.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	127.3	19.84	6.436	.4488	.0090	.0005	.0036	1.632	.0087
Stddev	.2	.07	.033	.0035	.0006	.0001	.0006	.002	.0005
%RSD	.1296	.3392	.5165	.7874	6.557	14.01	15.72	.1078	5.434
#1	127.4	19.79	6.459	.4513	.0095	.0004	.0032	1.633	.0090
#2	127.2	19.89	6.412	.4463	.0086	.0005	.0040	1.631	.0084

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0873	.3998	.0197	.0702
Stddev	.0001	.0010	.0003	.0000
%RSD	.1354	.2445	1.677	.0328
#1	.0874	.4005	.0199	.0702
#2	.0872	.3991	.0194	.0702

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139100.	45266.	2968.9	8284.4
Stddev	393.	114.	1.3	12.6
%RSD	.28283	.25243	.04388	.15196
#1	138820.	45347.	2969.8	8293.3
#2	139380.	45185.	2968.0	8275.5

Zoom In Zoom Out

Sample Name: JA58750-18 Acquired: 11/2/2010 0:23:06 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	.2848	.0035	.0006	.0533	.0639	.1100	3.048	.1005	.0007
Stddev	.0009	.0000	.0000	.0002	.0003	.0007	.033	.0004	.0002
%RSD	.3279	.3505	7.936	.3281	.4169	.6350	1.086	.3995	25.36
#1	.2842	.0035	.0005	.0532	.0637	.1095	3.025	.1002	.0005
#2	.2855	.0035	.0006	.0535	.0640	.1105	3.071	.1007	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0542	.3013	.0253	.0014	.0774	.0076	.0006	36.27	12.49
Stddev	.0002	.0000	.0002	.0003	.0003	.0004	.0006	.14	.01
%RSD	.4585	.0142	.8465	23.71	.3932	5.819	94.33	.3739	.1155
#1	.0541	.3013	.0254	.0016	.0777	.0072	.0010	36.17	12.48
#2	.0544	.3014	.0251	.0011	.0772	.0079	.0002	36.36	12.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	99.39	13.55	5.118	.4121	.0088	.0016	.0031	1.513	.0111
Stddev	.23	.03	.019	.0010	.0006	.0001	.0012	.001	.0000
%RSD	.2266	.2086	.3667	.2540	6.683	6.563	37.47	.0750	.0526
#1	99.23	13.53	5.104	.4128	.0084	.0017	.0023	1.513	.0111
#2	99.55	13.57	5.131	.4114	.0092	.0015	.0039	1.514	.0111

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0645	.2977	.0192	.0531
Stddev	.0002	.0009	.0002	.0003
%RSD	.3179	.2889	.9229	.5117
#1	.0644	.2984	.0193	.0529
#2	.0647	.2971	.0190	.0533

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	139010.	45026.	3004.7	8428.9
Stddev	415.	69.	18.9	38.7
%RSD	.29875	.15396	.63060	.45904
#1	139310.	45076.	3018.0	8456.2
#2	138720.	44977.	2991.3	8401.5

Zoom In Zoom Out

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	.2556
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									

Zoom In Zoom Out

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

Zoom In Zoom Out

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									

Zoom In Zoom Out

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2045	.0021	.0030	.0531	.0106	.0098	.0171	.0110	.0051
Stddev	.0004	.0000	.0002	.0005	.0002	.0002	.0000	.0001	.0003
%RSD	.2144	.2098	5.745	.9760	2.016	1.861	.1388	1.155	4.897
#1	.2042	.0021	.0032	.0535	.0104	.0100	.0171	.0111	.0050
#2	.2048	.0021	.0029	.0527	.0107	.0097	.0171	.0109	.0053
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	.0500	.0238	.0082	.0126	.0030	.0124	.0060	.2021	5.449
Stddev	.0001	.0001	.0004	.0005	.0007	.0000	.0001	.0042	.003
%RSD	.1796	.5128	5.126	3.606	23.31	.0338	1.592	2.072	.0611
#1	.0500	.0239	.0085	.0129	.0035	.0124	.0060	.1992	5.451
#2	.0499	.0237	.0079	.0122	.0025	.0124	.0061	.2051	5.446
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	.1274	5.109	10.28	10.31	.1008	.0216	.0490	.2028	.0104
Stddev	.0009	.005	.02	.01	.0009	.0004	.0001	.0005	.0001
%RSD	.6955	.0922	.1513	.0641	.8900	1.819	.2586	.2634	.8253
#1	.1268	5.106	10.27	10.30	.1014	.0219	.0491	.2032	.0103
#2	.1281	5.113	10.29	10.31	.1002	.0213	.0490	.2024	.0104
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:

Elem	Sr4077	Ti3349	W_2079	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.0109	.0106	.0611	F .0004
Stddev	.0000	.0001	.0006	.0001
%RSD	.0067	.5573	.9142	23.81
#1	.0109	.0106	.0615	.0005
#2	.0109	.0107	.0607	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.2000
Range				-50.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	137130.	44098.	2969.6	8585.3
Stddev	253.	8.	16.6	54.0
%RSD	.18431	.01731	.55961	.62934
#1	137310.	44093.	2957.9	8547.0
#2	136950.	44103.	2981.4	8623.5

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:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	.2042	.0021	.0029	.0526	.0105	.0097	.0170	.0109	.0050
Stddev	.0005	.0000	.0001	.0001	.0003	.0001	.0000	.0000	.0001
%RSD	.2641	.0875	2.585	.1261	2.451	1.015	.1614	.0297	1.036
#1	.2038	.0021	.0029	.0527	.0103	.0098	.0170	.0109	.0051
#2	.2045	.0021	.0030	.0526	.0107	.0096	.0170	.0109	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0497	.0235	.0084	.0129	.0026	.0125	.0059	.2032	5.479
Stddev	.0001	.0001	.0008	.0007	.0005	.0004	.0006	.0032	.006
%RSD	.1013	.2670	9.245	5.554	18.91	2.963	10.53	1.562	.1020
#1	.0498	.0236	.0079	.0124	.0030	.0122	.0063	.2009	5.482
#2	.0497	.0235	.0090	.0134	.0023	.0127	.0055	.2054	5.475

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1272	5.133	10.27	10.30	.1002	.0214	.0495	.2015	.0106
Stddev	.0002	.029	.03	.01	.0006	.0001	.0000	.0008	.0004
%RSD	.1343	.5726	.2699	.0877	.6425	.6977	.0751	.3988	3.371
#1	.1271	5.154	10.29	10.30	.1006	.0215	.0495	.2009	.0108
#2	.1273	5.112	10.25	10.31	.0997	.0213	.0495	.2021	.0103

Elem	Sr4077	Ti3349	W_2079	Zr3391
Avg	.0109	.0101	.0587	.0002
Stddev	.0000	.0001	.0004	.0000
%RSD	.2168	1.071	.6641	5.261
#1	.0109	.0100	.0589	.0002
#2	.0109	.0102	.0584	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	137370.	43958.	2991.9	8649.7
Stddev	154.	121.	8.2	24.8
%RSD	.11183	.27452	.27295	.28622
#1	137480.	43873.	2986.2	8632.2
#2	137260.	44044.	2997.7	8667.3

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	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	.0001	.0008	.0009	.0012	.0024	.0008	-.0012	.0021
Stddev	.0000	.0000	.0002	.0002	.0002	.0006	.0000	.0003	.0003
%RSD	1.006	4.441	18.28	18.59	19.08	25.94	4.805	21.06	15.31
#1	-.0040	.0001	.0007	.0008	.0013	.0020	.0008	-.0010	.0019
#2	-.0041	.0001	.0010	.0010	.0010	.0029	.0008	-.0014	.0024
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	.0018	.0007	.0015	-.0011	-.0001	.0038	.0000	528.5	410.0
Stddev	.0001	.0001	.0003	.0014	.0004	.0000	.0028	2.2	3.7
%RSD	2.927	19.87	21.61	126.8	363.6	.4106	7875.	.4235	.9101
#1	.0018	.0008	.0017	-.0021	.0002	.0038	-.0019	526.9	407.4
#2	.0019	.0006	.0012	-.0001	-.0004	.0038	.0020	530.1	412.7
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	197.4	573.3	.0625	.4699	-.0003	.0036	-.0119	-.0065	-.0066
Stddev	2.8	7.4	.0106	.0035	.0004	.0002	.0000	.0016	.0009
%RSD	1.438	1.286	16.93	.7411	128.0	5.844	.3095	24.43	13.58
#1	195.4	568.1	.0550	.4674	.0000	.0034	-.0119	-.0076	-.0060
#2	199.4	578.5	.0699	.4724	-.0006	.0037	-.0119	-.0054	-.0073
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: 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	.4963	.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	.5211	.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	.5207	.5643	-.0076	-.0088
#2	197.8	568.3	.0852	.4806	-.0024	.5215	.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									

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	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

Zoom In Zoom Out

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	F .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				.0020					
Low Limit				-.0020					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
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									

Zoom In Zoom Out

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

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	2	Mg	0.000007	0.000000	No
			Al	0.000002	0.000000	No
Be 313.042 {108}	☒	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}	☒	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}	☒	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}	☒	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	☒	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}	☒	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?
			As	0.000200	0.000000	No
Ni 231.604 {446}	☒	15	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
			Ba	0.000000	0.000000	No
Ag 328.068 {103}	☒	10	Mn	0.000010	0.000000	No
			Mo	0.000023	0.000000	No
			Ti	-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
			Al	-0.000004	0.000000	No
V 292.402 {115}	☒	6	Ti	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
			Mn	-0.000370	0.000000	No
Zn 206.200 {464}	☒	12	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
			Cu	0.000056	0.000000	No
As 189.042 {478}	☒	20	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

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}	☒	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
			Pd	-0.000500	0.000000	No
Pb 220.353 {453}	☒	22	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}	☒	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

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}	☒	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
			Zr	-0.001300	0.000000	No
Al 396.152 { 85}	☒	4	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}	☒	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}	☒	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}	☒	3	Mo	-0.010250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.000850	0.000000	No
Na 589.592 { 57}	☒	4	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000050	0.000000	No
			Al	-0.000800	0.000000	No
B 208.959 {462}	☒	1	Mo	0.037990	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000016	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000026	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	7	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
			Co	-0.003300	0.000000	No
Si 212.412 {459}	☒	11	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
			Zn	0.000385	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.000590	0.000000	No
			Mo	0.000071	0.000000	No
			Fe	0.000043	0.000000	No
			Mn	0.000501	0.000000	No
			Si	0.000131	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000000	0.000000	No
			Ca	0.000020	0.000000	No
Ti 334.904 {101}	☒	3	Cr	0.000189	0.000000	No
			Mo	0.001417	0.000000	No
			Si	0.000965	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	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

	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}	☒	3	Mo	0.000700	0.000000	No
				Ti	0.002900	0.000000	No
				Fe	-0.000060	0.000000	No

12.1.1

12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


```
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
                                                                        =
```

12.2 12

```
==================================================================================
*** Sample ID: MP55478-S1            Seq:  921    10:13:02 05 Nov 10   HG

Hg    1.69    ppb       .000  %   1.69
                                                                                =
==================================================================================
```

12.2 12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


```
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        Seq:  928    10:22:17 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.4     2.41    2.50   ppb        .000  %
                                                                          =
*** Check Standard: 1  Ck1ccb        Seq:  929    10:23:45 05 Nov 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.035     .200     ppb        .000  %
                                                                          =
*** 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
```

12.2 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       Seq:  940    10:38:44 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.0     2.43    2.50   ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1ccb       Seq:  941    10:40:45 05 Nov 10   HG
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
```

12.2 12

```
                                                                                =
================================================================================
*** Sample ID: MP55479-MB                Seq:  947    10:48:21 05 Nov 10   HG
                                  1
Hg    -.053     ppb          .000  %  -.053
                                                                                =
================================================================================
```

12.2 12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


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

*** Sample ID: MP55479-LC            Seq:  948    10:49:50 05 Nov 10   HG
                          1
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       Seq:  952    10:55:33 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   89.4     2.24    2.50   ppb        .000  %
                                                                          =
*** Check Standard: 1  Ck1ccb       Seq:  953    10:57:01 05 Nov 10   HG
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
```

```
==================================================================================
*** 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

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


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

*** Sample ID: MP55479-S1            Seq:  961    11:09:32 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    62.0    ppb       .000  %   62.0
                                                                        =
*** Sample ID: MP55479-S1            Seq:  962    11:12:55 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    61.8    ppb       .000  %   61.8
                                                                        =
=============================================================================
*** Sample ID: MP55479-S2            Seq:  963    11:14:05 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    55.4    ppb       .000  %   55.4
                                                                        =
*** Check Standard: 2  Ck2ccv        Seq:  964    11:15:19 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.2     2.36    2.50   ppb        .000  %
                                                                        =
*** Check Standard: 1  Ck1ccb        Seq:  965    11:16:37 05 Nov 10   HG
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
                                                Wgt 1.0000 Vol 20.000
Hg    71.7    ppb       .000  %   71.7
                                                                        =
=============================================================================
*** Sample ID: JA59250-7             Seq:  967    11:20:55 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    25.2    ppb       .000  %   25.2
                                                                        =
=============================================================================
*** Sample ID: JA59250-8             Seq:  968    11:22:24 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    41.8    ppb       .000  %   41.8
                                                                        =
=============================================================================
*** Sample ID: JA59250-9             Seq:  969    11:24:13 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    26.3    ppb       .000  %   26.3
                                                                        =
=============================================================================
*** Sample ID: JA59250-10            Seq:  970    11:26:35 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    197.    ppb       .000  %   197.
                                                                        =
*** Sample ID: JA59250-10            Seq:  971    11:35:31 05 Nov 10   HG
                                                Wgt 1.0000 Vol 200.00
Hg    203.    ppb       .000  %   203.
                                                                        =
=============================================================================
*** Sample ID: JA59250-11            Seq:  972    11:36:52 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    2.31    ppb       .000  %   2.31
                                                                        =
=============================================================================
```

12.2 12

```
*** Sample ID: JA59250-3              Seq:  973    11:38:21 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    2.01    ppb       .000  %   2.01
                                                                        =
==========================================================================
*** Sample ID: JA59250-13             Seq:  974    11:39:35 05 Nov 10   HG
                                                Wgt 1.0000 Vol 20.000
Hg    12.7    ppb       .000  %   12.7
                                                                        =
==========================================================================
```

12.2 12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


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

*** Sample ID: JA59250-14            Seq:  975    11:43:29 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    17.0    ppb       .000  %   17.0
                                                                        =
*** Check Standard: 2  Ck2ccv        Seq:  976    11:44:48 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          92.6     2.31    2.50   ppb        .000  %
                                                                        =
*** Check Standard: 1  Ck1ccb        Seq:  977    11:46:08 05 Nov 10   HG
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
                                                Wgt 1.0000 Vol 10.000
Hg    28.9    ppb       .000  %   28.9
                                                                        =
=============================================================================
*** Sample ID: JA59250-16            Seq:  979    11:49:37 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    76.9    ppb       .000  %   76.9
                                                                        =
=============================================================================
*** Sample ID: JA59250-17            Seq:  980    11:51:08 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    37.1    ppb       .000  %   37.1
                                                                        =
=============================================================================
*** Sample ID: JA59250-18            Seq:  981    11:52:27 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    23.5    ppb       .000  %   23.5
                                                                        =
=============================================================================
*** Sample ID: JA59250-19            Seq:  982    11:53:59 05 Nov 10   HG
                                                Wgt 1.0000 Vol 10.000
Hg    4.87    ppb       .000  %   4.87
                                                                        =
=============================================================================
*** 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
                                                Wgt 1.0000 Vol 20.000
Hg    75.0    ppb       .000  %   75.0
```

12.2 12

```
==========================================================================
*** Sample ID: JA59250-19            Seq:  987    12:01:36 05 Nov 10   HG

Hg    4.06    ppb       .000  %   4.06
```

12.2 12

Folder: ACCUTEST
Protocol: PPB
POST-RUN REPORT


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

*** Check Standard: 2  Ck2ccv       Seq:  988     12:02:49 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          90.7     2.27    2.50   ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1ccb       Seq:  989     12:03:58 05 Nov 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.046     .200     ppb        .000  %
                                                                              =
*** Sample ID: JA59250-11           Seq:  990     12:05:37 05 Nov 10   HG

Hg    5.10    ppb       .000  %   5.10
                                                                              =
===============================================================================
*** Sample ID: JA59250-3            Seq:  991     12:06:59 05 Nov 10   HG

Hg    4.95    ppb       .000  %   4.95
                                                                              =
===============================================================================
*** Sample ID: JA59250-13           Seq:  992     12:08:09 05 Nov 10   HG
                                                 Wgt 1.0000 Vol 10.000
Hg    14.5    ppb       .000  %   14.5
                                                                              =
===============================================================================
*** Sample ID: JA59250-11           Seq:  993     12:10:21 05 Nov 10   HG
                                                 Wgt 1.0000 Vol 2.0000
Hg    5.02    ppb       .000  %   5.02
                                                                              =
*** Check Standard: 2  Ck2ccv       Seq:  994     12:11:31 05 Nov 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.5     2.29    2.50   ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1ccb       Seq:  995     12:12:43 05 Nov 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.039     .200     ppb        .000  %
                                                                              =
```

12.2 12

Inst QC: MA25293

ACCUTEST.

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: 96.3
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 Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
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

Inst QC: MA25293

ACCUTEST.

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: 96-32 End Time: 14:30 Temp: 96-3
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 Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
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: [signature] DATE: 10/3/10
QC REVIEWER: _____ DATE: _____

Inst QC: MA25293

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #: 25293
Analyst: Josh
Date: 10/03/10
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: 95.6-32 End Time: 14:30 Temp: 95.6-33
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 Amount Spiked	Spiked Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
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] Date: 10/3/10
QC Reviewer: Date:

Form: GN-022E
Rev. Date: 06/09/08

12.3.1 12

Inst QC: MA25293

WinHg Database 1.4

File Utility Help

Protocol: PPB Dataset/Proto: ACCUTEST/PPB

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

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.28183e-5

C -1.54628e-1

Rho .999947

Type Linear

Calibrated

Accepted

Accept

Rel Abs

401705

Accepted

New

Include S1 Rep 1 2 3 4 5

Conc 5.00

S	Conc	Calc	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.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		

Ready NUM

12.3.1

12

ACCUTEST.

Solid/Soil Digestion Log MP Batch ID: MP55422
ICP Digestion Method: SW846 3050B
Heating Method: Digestion Block

Method Blank ID:	MP55422-MB1	**Prep Date :** 11/01/2010	
Lab Control/Spike Blank ID:		**Start Time:** 10:00	**Start Temp:** 93+0-93° **Therm ID:** 138
Lab Control Source:			
Balance ID:	B26	**End Time:** 4:00	**End Temp:** 93+0-93°
DUP 1 Sample ID:		**Acceptable temperature Ranges:**	
DUP 2 Sample ID:		**EPA 200.7**	**90 to 95 deg. C**
MS 1 Sample ID:	JA58750-11	**SW846 3010A, 3020A, 3050B**	**90 to 95 deg. C**
MS 2 Sample ID:	JA58750-11	**CLP SOW**	**92 to 95 deg. C**

* 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 Amount and Name	Acids Used Added - Y or N	Spikes Used Amount and Name	Spikes Used Added - Y or N	Comments
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							

CRK 11/01/10

11/01/10 **QC Reviewer:** 11/1/10

Rev. Date: 06/09/08
FORM: AA-18B

12.3.2 12