

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46107-MB3	WW95337.D 1		10/22/10	TDR	10/20/10	OP46107	GW3334

The QC reported here applies to the following samples:

Method: SW846 8151

JA58900-5, JA58900-6

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.13	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.018	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.028	ug/l	
75-99-0	Dalapon	ND	0.10	0.036	ug/l	
88-85-7	Dinoseb	ND	0.50	0.14	ug/l	

CAS No.	Surrogate Recoveries	Limits
19719-28-9	2,4-DCAA	112% 50-142%
19719-28-9	2,4-DCAA	97% 50-142%

9.1.1



Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46377-MB1	WW95481.D 1		10/28/10	TDR	10/27/10	OP46377	GW3340

The QC reported here applies to the following samples:**Method:** SW846 8151

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	14	4.6	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	2.9	0.55	ug/kg	
93-76-5	2,4,5-T	ND	2.9	1.1	ug/kg	
75-99-0	Dalapon	ND	2.9	2.0	ug/kg	
88-85-7	Dinoseb	ND	14	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Limits
19719-28-9	2,4-DCAA	22% 13-146%
19719-28-9	2,4-DCAA	20% 13-146%

9.1.2
9

Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46441-MB1	WW95885.D 1		11/12/10	TDR	10/30/10	OP46441	GW3356

The QC reported here applies to the following samples:

Method: SW846 8151

JA58900-1

CAS No.	Compound	Result	RL	MDL	Units	Q
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CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	97%	13-146%
19719-28-9	2,4-DCAA	93%	13-146%

9.1.3
9

Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46107-MB1	WW95119.D 1		10/14/10	TDR	10/12/10	OP46107	GW3324

The QC reported here applies to the following samples:

Method: SW846 8151

OP46107-MS, OP46107-MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.13	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.018	ug/l	
93-76-5	2,4,5-T	ND	0.10	0.028	ug/l	
75-99-0	Dalapon	ND	0.10	0.036	ug/l	
88-85-7	Dinoseb	ND	0.50	0.14	ug/l	

CAS No.	Surrogate Recoveries	Limits
19719-28-9	2,4-DCAA	90% 50-142%
19719-28-9	2,4-DCAA	93% 50-142%

9.1.4
9

Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46260-MB1	1G58171.D	1	10/26/10	OPM	10/20/10	OP46260	G1G2122

The QC reported here applies to the following samples:

Method: SW846 8081A

JA58900-5, JA58900-6

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0090	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0037	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0043	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0017	ug/l	
12789-03-6	Chlordane	ND	0.50	0.25	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.0030	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.0024	ug/l	
60-57-1	Dieldrin	ND	0.020	0.0014	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.0036	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0021	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.0038	ug/l	
72-20-8	Endrin	ND	0.020	0.0013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.0067	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0023	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0033	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0038	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.0025	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0069	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	74%	26-145%
877-09-8	Tetrachloro-m-xylene	81%	26-145%
2051-24-3	Decachlorobiphenyl	66%	10-141%
2051-24-3	Decachlorobiphenyl	65%	10-141%

9.1.5



Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46373-MB1	4G782.D	1	10/27/10	OPM	10/27/10	OP46373	G4G24

The QC reported here applies to the following samples:**Method:** SW846 8081A

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.36	ug/kg	
12789-03-6	Chlordane	ND	29	8.6	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.50	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.49	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.52	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
877-09-8	Tetrachloro-m-xylene	80%	23-137%
877-09-8	Tetrachloro-m-xylene	80%	23-137%
2051-24-3	Decachlorobiphenyl	90%	22-160%
2051-24-3	Decachlorobiphenyl	87%	22-160%

9.1.6



Method Blank Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46259-MB1	3G50145.D	1	10/20/10	TDR	10/20/10	OP46259	G3G1847

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-5, JA58900-6

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.30	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.41	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.31	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.27	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.18	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.14	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	81%	27-144%
877-09-8	Tetrachloro-m-xylene	82%	27-144%
2051-24-3	Decachlorobiphenyl	79%	10-139%
2051-24-3	Decachlorobiphenyl	88%	10-139%

9.1.7

9

Method Blank Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46374-MB1	EF93908.D	1	10/28/10	VDT	10/27/10	OP46374	GEF4072

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	29	10	ug/kg	
11104-28-2	Aroclor 1221	ND	29	19	ug/kg	
11141-16-5	Aroclor 1232	ND	29	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	29	11	ug/kg	
12672-29-6	Aroclor 1248	ND	29	5.8	ug/kg	
11097-69-1	Aroclor 1254	ND	29	7.4	ug/kg	
11096-82-5	Aroclor 1260	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	22-141%
877-09-8	Tetrachloro-m-xylene	99%	22-141%
2051-24-3	Decachlorobiphenyl	110%	18-163%
2051-24-3	Decachlorobiphenyl	113%	18-163%

9.1.8
9

Blank Spike Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46107-BS3	WW95338.D 1		10/22/10	TDR	10/20/10	OP46107	GW3334

The QC reported here applies to the following samples:

Method: SW846 8151

JA58900-5, JA58900-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
94-75-7	2,4-D	2	2.0	100	46-153
93-72-1	2,4,5-TP (Silvex)	0.4	0.50	125	57-151
93-76-5	2,4,5-T	0.4	0.40	100	47-160
75-99-0	Dalapon	0.4	0.36	90	1-176
88-85-7	Dinoseb	2	1.4	70	17-119

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	99%	50-142%
19719-28-9	2,4-DCAA	90%	50-142%

9.2.1



Blank Spike Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46377-BS1	WW95482.D 1		10/28/10	TDR	10/27/10	OP46377	GW3340

The QC reported here applies to the following samples:**Method:** SW846 8151

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
94-75-7	2,4-D	57.1	8.4	16* ^a	49-137
93-72-1	2,4,5-TP (Silvex)	11.4	9.3	81	63-136
93-76-5	2,4,5-T	11.4	1.4	12* ^a	51-148
75-99-0	Dalapon	11.4	ND	0*	18-170
88-85-7	Dinoseb	57.1	37.3	65	27-144

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	79%	13-146%
19719-28-9	2,4-DCAA	73%	13-146%

(a) Outside of in house control limits.

9.2.2
9

Blank Spike Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46441-BS1	WW95886.D 1		11/12/10	TDR	10/30/10	OP46441	GW3356

The QC reported here applies to the following samples:

Method: SW846 8151

JA58900-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	94%	13-146%
19719-28-9	2,4-DCAA	84%	13-146%

9.2.3



Blank Spike Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46260-BS1	1G58172.D	1	10/26/10	OPM	10/20/10	OP46260	G1G2122

The QC reported here applies to the following samples:

Method: SW846 8081A

JA58900-5, JA58900-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.25	0.22	88	50-144
319-84-6	alpha-BHC	0.25	0.23	92	56-151
319-85-7	beta-BHC	0.25	0.22	88	59-143
319-86-8	delta-BHC	0.25	0.24	96	43-146
58-89-9	gamma-BHC (Lindane)	0.25	0.23	92	60-147
12789-03-6	Chlordane		ND		50-150
5103-71-9	alpha-Chlordane	0.25	0.23	92	59-144
5103-74-2	gamma-Chlordane	0.25	0.23	92	58-148
60-57-1	Dieldrin	0.25	0.24	96	62-151
72-54-8	4,4'-DDD	0.25	0.22	88	57-153
72-55-9	4,4'-DDE	0.25	0.23	92	56-149
50-29-3	4,4'-DDT	0.25	0.24	96	54-161
72-20-8	Endrin	0.25	0.26	104	60-150
1031-07-8	Endosulfan sulfate	0.25	0.20	80	60-151
959-98-8	Endosulfan-I	0.25	0.23	92	59-146
33213-65-9	Endosulfan-II	0.25	0.23	92	59-146
76-44-8	Heptachlor	0.25	0.23	92	55-143
1024-57-3	Heptachlor epoxide	0.25	0.23	92	60-144
72-43-5	Methoxychlor	0.25	0.25	100	57-158
8001-35-2	Toxaphene		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	26-145%
877-09-8	Tetrachloro-m-xylene	93%	26-145%
2051-24-3	Decachlorobiphenyl	83%	10-141%
2051-24-3	Decachlorobiphenyl	78%	10-141%

9.2.4
9

Blank Spike Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46373-BS1	4G783.D	1	10/27/10	OPM	10/27/10	OP46373	G4G24

The QC reported here applies to the following samples:

Method: SW846 8081A

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	14.7	12.3	84	57-149
319-84-6	alpha-BHC	14.7	11.2	76	56-150
319-85-7	beta-BHC	14.7	12.0	82	58-143
319-86-8	delta-BHC	14.7	12.2	83	36-152
58-89-9	gamma-BHC (Lindane)	14.7	11.5	78	57-149
5103-71-9	alpha-Chlordane	14.7	11.9	81	58-147
5103-74-2	gamma-Chlordane	14.7	12.2	83	57-151
60-57-1	Dieldrin	14.7	12.1	82	62-152
72-54-8	4,4'-DDD	14.7	12.7	86	59-151
72-55-9	4,4'-DDE	14.7	12.8	87	57-151
50-29-3	4,4'-DDT	14.7	11.9	81	54-155
72-20-8	Endrin	14.7	12.6	86	58-151
1031-07-8	Endosulfan sulfate	14.7	12.1	82	56-152
959-98-8	Endosulfan-I	14.7	11.8	80	57-150
33213-65-9	Endosulfan-II	14.7	12.4	84	60-146
76-44-8	Heptachlor	14.7	11.2	76	52-150
1024-57-3	Heptachlor epoxide	14.7	11.8	80	56-147
72-43-5	Methoxychlor	14.7	12.5	85	53-154

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	23-137%
877-09-8	Tetrachloro-m-xylene	87%	23-137%
2051-24-3	Decachlorobiphenyl	95%	22-160%
2051-24-3	Decachlorobiphenyl	94%	22-160%

9.2.5



Blank Spike Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46259-BS1	3G50146.D	1	10/20/10	TDR	10/20/10	OP46259	G3G1847

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-5, JA58900-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	2	2.2	110	63-154
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	2	2.0	100	60-151

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	85%	27-144%
877-09-8	Tetrachloro-m-xylene	89%	27-144%
2051-24-3	Decachlorobiphenyl	87%	10-139%
2051-24-3	Decachlorobiphenyl	95%	10-139%

9.2.6
9

Blank Spike Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46374-BS1	EF93909.D	1	10/28/10	VDT	10/27/10	OP46374	GEF4072

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	118	135	115	68-152
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	118	137	116	66-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	91%	22-141%
877-09-8	Tetrachloro-m-xylene	97%	22-141%
2051-24-3	Decachlorobiphenyl	118%	18-163%
2051-24-3	Decachlorobiphenyl	127%	18-163%

9.2.7

9

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46107-MS	WW95126.D	1	10/14/10	TDR	10/12/10	OP46107	GWW3324
OP46107-MSD	WW95127.D	1	10/14/10	TDR	10/12/10	OP46107	GWW3324
JA58410-4	WW95128.D	1	10/14/10	TDR	10/12/10	OP46107	GWW3324

The QC reported here applies to the following samples:**Method:** SW846 8151

JA58900-5, JA58900-6

CAS No.	Compound	JA58410-4 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND	4	3.1	78	3.5	88	12	43-136/44
93-72-1	2,4,5-TP (Silvex)	ND	0.8	0.73	91	0.80	100	9	47-141/41
93-76-5	2,4,5-T	ND	0.8	0.62	78	0.81	101	27	36-151/53
75-99-0	Dalapon	ND	0.8	0.57	71	0.51	64	11	5-158/68
88-85-7	Dinoseb	ND	4	3.1	78	3.1	78	0	13-112/44

CAS No.	Surrogate Recoveries	MS	MSD	JA58410-4	Limits
19719-28-9	2,4-DCAA	95%	99%	103%	50-142%
19719-28-9	2,4-DCAA	88%	89%	78%	50-142%

9.3.1
9

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46377-MS	WW95483.D 1		10/28/10	TDR	10/27/10	OP46377	GWW3340
OP46377-MSD	WW95484.D 1		10/28/10	TDR	10/27/10	OP46377	GWW3340
JA58900-3	WW95485.D 1		10/28/10	TDR	10/27/10	OP46377	GWW3340

The QC reported here applies to the following samples:**Method:** SW846 8151

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	JA58900-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		75.5	55.6	74	50.3	67	10	26-139/58
93-72-1	2,4,5-TP (Silvex)	ND		15.1	13.7	91	11.8	78	15	25-149/54
93-76-5	2,4,5-T	ND		15.1	13.1	87	10.8	71	19	18-164/59
75-99-0	Dalapon	ND		15.1	12.8	85	9.8	65	27	4-188/58
88-85-7	Dinoseb	ND		75.5	70.4	93	60.0	79	16	2-140/59

9.3.2



CAS No.	Surrogate Recoveries	MS	MSD	JA58900-3	Limits
19719-28-9	2,4-DCAA	83%	77%	65%	13-146%
19719-28-9	2,4-DCAA	61%	64%	65%	13-146%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46441-MS	WW95887.D 1		11/12/10	TDR	10/30/10	OP46441	GW3356
OP46441-MSD	WW95888.D 1		11/12/10	TDR	10/30/10	OP46441	GW3356
JA58900-3 ^a	WW95626.D 1		11/04/10	TDR	10/30/10	OP46441	GW3346

The QC reported here applies to the following samples:

Method: SW846 8151

JA58900-1

CAS No.	Compound	JA58900-3 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
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CAS No.	Surrogate Recoveries	MS	MSD	JA58900-3	Limits
19719-28-9	2,4-DCAA	101%	97%	78%	13-146%
19719-28-9	2,4-DCAA	80%	77%	76%	13-146%

(a) Confirmation run.

9.3.3
9

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46260-MS	1G58176.D	1	10/26/10	OPM	10/20/10	OP46260	G1G2122
OP46260-MSD	1G58177.D	1	10/26/10	OPM	10/20/10	OP46260	G1G2122
JA58965-2	1G58173.D	1	10/26/10	OPM	10/20/10	OP46260	G1G2122

The QC reported here applies to the following samples:

Method: SW846 8081A

JA58900-5, JA58900-6

CAS No.	Compound	JA58965-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		5	3.2	64	3.1	62	3	36-160/39
319-84-6	alpha-BHC	ND		5	4.8	96	4.9	98	2	36-172/37
319-85-7	beta-BHC	ND		5	5.4	108	5.2	104	4	37-170/38
319-86-8	delta-BHC	ND		5	5.6	112	5.6	112	0	22-173/34
58-89-9	gamma-BHC (Lindane)	ND		5	4.5	90	4.5	90	0	39-166/36
12789-03-6	Chlordane	ND			ND		ND		nc	81-123/30
5103-71-9	alpha-Chlordane	ND		5	4.5	90	4.4	88	2	36-162/36
5103-74-2	gamma-Chlordane	ND		5	3.8	76	3.8	76	0	26-173/34
60-57-1	Dieldrin	ND		5	4.3	86	4.2	84	2	40-169/35
72-54-8	4,4'-DDD	ND		5	4.9	98	4.6	92	6	38-164/36
72-55-9	4,4'-DDE	ND		5	3.8	76	3.6	72	5	30-169/36
50-29-3	4,4'-DDT	ND		5	5.0	100	4.6	92	8	33-180/40
72-20-8	Endrin	ND		5	4.8	96	4.8	96	0	40-173/35
1031-07-8	Endosulfan sulfate	ND		5	4.3	86	4.1	82	5	36-171/34
959-98-8	Endosulfan-I	ND		5	4.4	88	4.4	88	0	32-164/36
33213-65-9	Endosulfan-II	ND		5	4.7	94	4.6	92	2	35-168/34
76-44-8	Heptachlor	ND		5	4.0	80	3.8	76	5	33-163/40
1024-57-3	Heptachlor epoxide	ND		5	4.3	86	4.2	84	2	29-175/37
72-43-5	Methoxychlor	ND		5	4.9	98	4.7	94	4	41-179/38
8001-35-2	Toxaphene	ND			ND		ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JA58965-2	Limits
877-09-8	Tetrachloro-m-xylene	80%	76%	63%	26-145%
877-09-8	Tetrachloro-m-xylene	93%	88%	72%	26-145%
2051-24-3	Decachlorobiphenyl	68%	63%	63%	10-141%
2051-24-3	Decachlorobiphenyl	68%	58%	56%	10-141%

9.3.4



Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46373-MS	4G931.D	1	11/01/10	OPM	10/27/10	OP46373	G4G27
OP46373-MSD	4G932.D	1	11/01/10	OPM	10/27/10	OP46373	G4G27
JA58900-3	4G933.D	1	11/01/10	OPM	10/27/10	OP46373	G4G27

The QC reported here applies to the following samples:**Method:** SW846 8081A

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	JA58900-3 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND	19.7	13.9	71	17.5	89	23	21-171/47
319-84-6	alpha-BHC	ND	19.7	15.1	77	18.7	95	21	23-174/44
319-85-7	beta-BHC	ND	19.7	13.8	70	17.2	87	22	14-172/46
319-86-8	delta-BHC	ND	19.7	13.6	69	17.0	86	22	8-164/48
58-89-9	gamma-BHC (Lindane)	ND	19.7	13.4	68	17.0	86	24	23-163/45
12789-03-6	Chlordane	ND		ND		ND		nc	50-150/30
5103-71-9	alpha-Chlordane	ND	19.7	13.9	71	17.3	88	22	20-170/45
5103-74-2	gamma-Chlordane	ND	19.7	14.1	72	17.7	90	23	19-165/47
60-57-1	Dieldrin	ND	19.7	14.3	73	17.9	91	22	22-173/46
72-54-8	4,4'-DDD	ND	19.7	15.0	76	18.7	95	22	18-179/46
72-55-9	4,4'-DDE	ND	19.7	15.0	76	18.8	96	22	20-188/44
50-29-3	4,4'-DDT	ND	19.7	14.0	71	17.8	91	24	21-193/47
72-20-8	Endrin	ND	19.7	14.8	75	18.5	94	22	26-172/48
1031-07-8	Endosulfan sulfate	ND	19.7	10.5	53	12.5	64	17	1-159/52
959-98-8	Endosulfan-I	ND	19.7	14.0	71	17.5	89	22	20-156/43
33213-65-9	Endosulfan-II	ND	19.7	13.4	68	16.7	85	22	10-158/50
76-44-8	Heptachlor	ND	19.7	14.6	74	18.2	93	22	27-163/46
1024-57-3	Heptachlor epoxide	ND	19.7	13.8	70	17.3	88	23	21-161/47
72-43-5	Methoxychlor	ND	19.7	13.4	68	16.5	84	21	7-192/51
8001-35-2	Toxaphene	ND		ND		ND		nc	32-165/30

CAS No.	Surrogate Recoveries	MS	MSD	JA58900-3	Limits
877-09-8	Tetrachloro-m-xylene	78%	97%	88%	23-137%
877-09-8	Tetrachloro-m-xylene	72%	93%	89%	23-137%
2051-24-3	Decachlorobiphenyl	88%	104%	107%	22-160%
2051-24-3	Decachlorobiphenyl	85%	100%	103%	22-160%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46259-MS	3G50192.D	1	10/21/10	TDR	10/20/10	OP46259	G3G1848
OP46259-MSD	3G50193.D	1	10/21/10	TDR	10/20/10	OP46259	G3G1848
JA59086-1	3G50194.D	1	10/21/10	TDR	10/20/10	OP46259	G3G1848

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-5, JA58900-6

CAS No.	Compound	JA59086-1 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND	4.26		3.0	70	2.6	61	14	50-171/34
11104-28-2	Aroclor 1221	ND			ND		ND		nc	70-130/30
11141-16-5	Aroclor 1232	ND			ND		ND		nc	70-130/30
53469-21-9	Aroclor 1242	ND			ND		ND		nc	70-130/30
12672-29-6	Aroclor 1248	ND			ND		ND		nc	70-130/30
11097-69-1	Aroclor 1254	ND			ND		ND		nc	70-130/30
11096-82-5	Aroclor 1260	ND	4.26		3.3	78	2.7	63	20	34-166/36

CAS No.	Surrogate Recoveries	MS	MSD	JA59086-1	Limits
877-09-8	Tetrachloro-m-xylene	68%	61%	76%	27-144%
877-09-8	Tetrachloro-m-xylene	72%	64%	77%	27-144%
2051-24-3	Decachlorobiphenyl	70%	53%	82%	10-139%
2051-24-3	Decachlorobiphenyl	82%	61%	95%	10-139%

9.3.6

9

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46374-MS	EF93911.D	1	10/28/10	VDT	10/27/10	OP46374	GEF4072
OP46374-MSD	EF93912.D	1	10/28/10	VDT	10/27/10	OP46374	GEF4072
JA58900-3	EF93913.D	1	10/28/10	VDT	10/27/10	OP46374	GEF4072

The QC reported here applies to the following samples:

Method: SW846 8082

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11,
JA58900-12, JA58900-14

CAS No.	Compound	JA58900-3 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND	157		182	116	178	113	2	28-185/42
11104-28-2	Aroclor 1221	ND			ND		ND		nc	70-130/30
11141-16-5	Aroclor 1232	ND			ND		ND		nc	70-130/30
53469-21-9	Aroclor 1242	ND			ND		ND		nc	70-130/30
12672-29-6	Aroclor 1248	ND			ND		ND		nc	70-130/13
11097-69-1	Aroclor 1254	ND			ND		ND		nc	70-130/20
11096-82-5	Aroclor 1260	ND	157		185	118	170	108	8	20-190/43

CAS No.	Surrogate Recoveries	MS	MSD	JA58900-3	Limits
877-09-8	Tetrachloro-m-xylene	87%	90%	87%	22-141%
877-09-8	Tetrachloro-m-xylene	92%	95%	89%	22-141%
2051-24-3	Decachlorobiphenyl	112%	107%	115%	18-163%
2051-24-3	Decachlorobiphenyl	118%	113%	120%	18-163%

9.3.7

9

DDT/Endrin Breakdown Check

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA**Sample:** G1G2096-DDT**Injection Date:** 09/21/10**Lab File ID:** 1G56957.D**Injection Time:** 17:23**Instrument ID:** GC1G

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	86951412	19664432
4,4'-DDE	118765741	21961881
4,4'-DDT	2434550778	564542823

DDT Breakdown ^a	7.8 %	6.9 %
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Endrin aldehyde	16982426	3829893
Endrin ketone	52928506	11098592
Endrin	1538889467	345083124

Endrin Breakdown ^b	4.3 %	4.1 %
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(a) Calculated as: $(DDD + DDE) / (DDD + DDE + DDT) \times 100$ (b) Calculated as: $(\text{Endrin Aldehyde} + \text{Endrin Ketone}) / (\text{Endrin Aldehyde} + \text{Endrin Ketone} + \text{Endrin}) \times 100$ **This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G1G2096-IC2096	1G56959.D	09/21/10	17:53	00:30	Initial cal 1
G1G2096-IC2096	1G56960.D	09/21/10	18:08	00:45	Initial cal 2
G1G2096-IC2096	1G56961.D	09/21/10	18:23	01:00	Initial cal 5
G1G2096-IC2096	1G56962.D	09/21/10	18:38	01:15	Initial cal 10
G1G2096-ICC2096	1G56963.D	09/21/10	18:53	01:30	Initial cal 25
G1G2096-IC2096	1G56964.D	09/21/10	19:07	01:45	Initial cal 50
G1G2096-IC2096	1G56965.D	09/21/10	19:22	02:00	Initial cal 100
G1G2096-IC2096	1G56966.D	09/21/10	19:37	02:15	Initial cal 500
G1G2096-IC2096	1G56967.D	09/21/10	19:52	02:30	Initial cal 500
G1G2096-ICV2096	1G56968.D	09/21/10	20:07	02:45	Initial cal verification 25
G1G2096-ICV2096	1G56969.D	09/21/10	20:22	03:00	Initial cal verification 25
G1G2096-ICV2096	1G56970.D	09/21/10	20:37	03:15	Initial cal verification 500
G1G2096-ICV2096	1G56971.D	09/21/10	20:52	03:29	Initial cal verification 500
G1G2097-CC2096	1G56972.D	09/21/10	21:07	03:44	Continuing cal 25
OP45629-MB1	1G56979.D	09/21/10	22:52	05:29	Method Blank
OP45629-BS1	1G56980.D	09/21/10	23:07	05:44	Blank Spike
G1G2097-CC2096	1G56981.D	09/21/10	23:44	06:21	Continuing cal 10
OP45629-BS11	1G56983.D	09/22/10	00:14	06:51	Blank Spike
ZZZZZZ	1G56984.D	09/22/10	00:29	07:06	(unrelated sample)
ZZZZZZ	1G56985.D	09/22/10	00:44	07:21	(unrelated sample)
ZZZZZZ	1G56986.D	09/22/10	00:59	07:36	(unrelated sample)
G1G2097-ECC2096	1G56987.D	09/22/10	01:36	08:13	Ending cal 25
G1G2098-CC2096	1G56989.D	09/22/10	09:40	16:18	Continuing cal 10

DDT/Endrin Breakdown Check

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G1G2122-DDT

Injection Date: 10/26/10

Lab File ID: 1G58164.D

Injection Time: 16:49

Instrument ID: GC1G

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	49864187	9379187
4,4'-DDE	112713552	22644716
4,4'-DDT	2813727273	618036969

DDT Breakdown ^a	5.5 %	4.9 %
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Endrin aldehyde	0	0
Endrin ketone	34677293	6476448
Endrin	3921678277	832520001

Endrin Breakdown ^b	0.9 %	0.8 %
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(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100

(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP46336-MB1	1G58166.D	10/26/10	17:19	00:30	Method Blank
OP46336-BS1	1G58167.D	10/26/10	17:35	00:46	Blank Spike
ZZZZZZ	1G58168.D	10/26/10	17:50	01:01	(unrelated sample)
OP46290-LB20	1G58169.D	10/26/10	18:05	01:16	Leachate Blank
OP46345-LB21	1G58170.D	10/26/10	18:20	01:31	Leachate Blank
OP46260-MB1	1G58171.D	10/26/10	18:35	01:47	Method Blank
OP46260-BS1	1G58172.D	10/26/10	18:51	02:02	Blank Spike
JA58965-2	1G58173.D	10/26/10	19:06	02:17	(used for QC only; not part of job JA58900)
G1G2122-CC2096	1G58174.D	10/26/10	19:36	02:48	Continuing cal 25
OP46260-MS	1G58176.D	10/26/10	20:07	03:18	Matrix Spike
OP46260-MSD	1G58177.D	10/26/10	20:22	03:33	Matrix Spike Duplicate
JA58900-5	1G58178.D	10/26/10	20:37	03:49	BBNPP-C-EB
ZZZZZZ	1G58178.D	10/26/10	20:37	03:49	(unrelated sample)
JA58900-6	1G58179.D	10/26/10	20:53	04:04	BBNPP-PB
ZZZZZZ	1G58179.D	10/26/10	20:53	04:04	(unrelated sample)
ZZZZZZ	1G58180.D	10/26/10	21:08	04:19	(unrelated sample)
ZZZZZZ	1G58181.D	10/26/10	21:23	04:34	(unrelated sample)
G1G2122-ECC2096	1G58182.D	10/26/10	21:53	05:05	Ending cal 10
G1G2123-CC2096	1G58195.D	10/27/10	09:25	16:36	Continuing cal 10

9.4.2
9

DDT/Endrin Breakdown Check

Page 1 of 2

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample:	G4G19-DDT	Injection Date:	10/21/10
Lab File ID:	4G590.D	Injection Time:	15:44
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2766329	1817939
4,4'-DDE	2662533	2040656
4,4'-DDT	340244327	257098918

DDT Breakdown ^a	1.6 %	1.5 %
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Endrin aldehyde	1838478	0
Endrin ketone	4215107	2185960
Endrin	407150120	313157728

Endrin Breakdown ^b	1.5 %	0.7 %
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(a) Calculated as: $(DDD + DDE) / (DDD + DDE + DDT) \times 100$ (b) Calculated as: $(\text{Endrin Aldehyde} + \text{Endrin Ketone}) / (\text{Endrin Aldehyde} + \text{Endrin Ketone} + \text{Endrin}) \times 100$

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G19-IC19	4G592.D	10/21/10	16:27	00:43	Initial cal 1
G4G19-IC19	4G593.D	10/21/10	16:40	00:56	Initial cal 2
G4G19-IC19	4G594.D	10/21/10	16:54	01:10	Initial cal 5
G4G19-IC19	4G595.D	10/21/10	17:07	01:23	Initial cal 10
G4G19-ICC19	4G596.D	10/21/10	17:20	01:36	Initial cal 25
G4G19-IC19	4G597.D	10/21/10	17:34	01:50	Initial cal 50
G4G19-IC19	4G598.D	10/21/10	17:47	02:03	Initial cal 100
G4G19-IC19	4G599.D	10/21/10	18:01	02:17	Initial cal 500
G4G19-IC19	4G600.D	10/21/10	18:14	02:30	Initial cal 500
G4G19-ICV19	4G601.D	10/21/10	18:27	02:43	Initial cal verification 25
G4G19-ICV19	4G602.D	10/21/10	18:41	02:57	Initial cal verification 500
G4G19-ICV19	4G603.D	10/21/10	18:54	03:10	Initial cal verification 500
G4G20-CC19	4G604.D	10/21/10	19:07	03:23	Continuing cal 10
OP45961-BS1	4G606.D	10/21/10	19:34	03:50	Blank Spike
ZZZZZZ	4G607.D	10/21/10	19:47	04:03	(unrelated sample)
ZZZZZZ	4G608.D	10/21/10	20:01	04:17	(unrelated sample)
ZZZZZZ	4G609.D	10/21/10	20:14	04:30	(unrelated sample)
ZZZZZZ	4G610.D	10/21/10	20:28	04:44	(unrelated sample)
ZZZZZZ	4G611.D	10/21/10	20:41	04:57	(unrelated sample)
ZZZZZZ	4G612.D	10/21/10	20:54	05:10	(unrelated sample)
ZZZZZZ	4G613.D	10/21/10	21:08	05:24	(unrelated sample)
ZZZZZZ	4G614.D	10/21/10	21:21	05:37	(unrelated sample)
G4G20-CC19	4G615.D	10/21/10	21:48	06:04	Continuing cal 25
OP45961-MS	4G617.D	10/21/10	22:15	06:31	Matrix Spike

DDT/Endrin Breakdown Check

Page 2 of 2

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G4G19-DDT

Injection Date: 10/21/10

Lab File ID: 4G590.D

Injection Time: 15:44

Instrument ID: GC4G

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP45961-MSD	4G618.D	10/21/10	22:28	06:44	Matrix Spike Duplicate
JA57826-2	4G619.D	10/21/10	22:42	06:58	(used for QC only; not part of job JA58900)
G4G20-CC19	4G620.D	10/21/10	23:08	07:24	Continuing cal 10
G4G21-CC19	4G622.D	10/22/10	09:51	18:07	Continuing cal 10

9.4.3

9

DDT/Endrin Breakdown Check

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA**Sample:** G4G24-DDT**Injection Date:** 10/27/10**Lab File ID:** 4G771.D**Injection Time:** 09:39**Instrument ID:** GC4G

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	5298692	3083420
4,4'-DDE	3765208	2400761
4,4'-DDT	341650240	250746346

DDT Breakdown ^a	2.6 %	2.1 %
----------------------------	-------	-------

Endrin aldehyde	0	0
Endrin ketone	3601198	2377966
Endrin	411530976	308173397

Endrin Breakdown ^b	0.9 %	0.8 %
-------------------------------	-------	-------

(a) Calculated as: $(DDD + DDE) / (DDD + DDE + DDT) \times 100$ (b) Calculated as: $(\text{Endrin Aldehyde} + \text{Endrin Ketone}) / (\text{Endrin Aldehyde} + \text{Endrin Ketone} + \text{Endrin}) \times 100$ **This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP46365-MB1	4G772.D	10/27/10	09:56	00:17	Method Blank
OP46365-BS1	4G773.D	10/27/10	10:09	00:30	Blank Spike
JA59693-1	4G774.D	10/27/10	10:22	00:43	(used for QC only; not part of job JA58900)
ZZZZZZ	4G775.D	10/27/10	10:36	00:57	(unrelated sample)
ZZZZZZ	4G776.D	10/27/10	10:49	01:10	(unrelated sample)
ZZZZZZ	4G777.D	10/27/10	11:03	01:24	(unrelated sample)
ZZZZZZ	4G778.D	10/27/10	11:16	01:37	(unrelated sample)
OP46238-MS	4G779.D	10/27/10	11:29	01:50	Matrix Spike
OP46238-MSD	4G780.D	10/27/10	11:43	02:04	Matrix Spike Duplicate
G4G24-CC19	4G781.D	10/27/10	12:29	02:50	Continuing cal 25
OP46373-MB1	4G782.D	10/27/10	12:46	03:07	Method Blank
OP46373-BS1	4G783.D	10/27/10	13:00	03:21	Blank Spike
ZZZZZZ	4G784.D	10/27/10	13:13	03:34	(unrelated sample)
JA59693-1	4G785.D	10/27/10	13:26	03:47	(used for QC only; not part of job JA58900)
ZZZZZZ	4G786.D	10/27/10	13:40	04:01	(unrelated sample)
ZZZZZZ	4G787.D	10/27/10	13:53	04:14	(unrelated sample)
ZZZZZZ	4G788.D	10/27/10	14:07	04:28	(unrelated sample)
ZZZZZZ	4G789.D	10/27/10	14:20	04:41	(unrelated sample)
ZZZZZZ	4G790.D	10/27/10	14:33	04:54	(unrelated sample)
ZZZZZZ	4G791.D	10/27/10	15:00	05:21	(unrelated sample)
G4G24-CC19	4G792.D	10/27/10	16:05	06:26	Continuing cal 10

9.4.4
9

DDT/Endrin Breakdown Check

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G4G27-DDT

Injection Date: 11/01/10

Lab File ID: 4G917.D

Injection Time: 10:11

Instrument ID: GC4G

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	7399191	4607483
4,4'-DDE	4053244	2505863
4,4'-DDT	316128467	225754026

DDT Breakdown ^a	3.5 %	3.1 %
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Endrin aldehyde	0	0
Endrin ketone	3870540	2572009
Endrin	395579020	287588758

Endrin Breakdown ^b	1 %	0.9 %
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(a) Calculated as: $(\text{DDD} + \text{DDE}) / (\text{DDD} + \text{DDE} + \text{DDT}) \times 100$ (b) Calculated as: $(\text{Endrin Aldehyde} + \text{Endrin Ketone}) / (\text{Endrin Aldehyde} + \text{Endrin Ketone} + \text{Endrin}) \times 100$

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	4G919.D	11/01/10	10:47	00:36	(unrelated sample)
ZZZZZZ	4G920.D	11/01/10	11:01	00:50	(unrelated sample)
ZZZZZZ	4G921.D	11/01/10	11:14	01:03	(unrelated sample)
ZZZZZZ	4G922.D	11/01/10	11:27	01:16	(unrelated sample)
ZZZZZZ	4G923.D	11/01/10	11:41	01:30	(unrelated sample)
ZZZZZZ	4G924.D	11/01/10	11:54	01:43	(unrelated sample)
ZZZZZZ	4G925.D	11/01/10	12:07	01:56	(unrelated sample)
ZZZZZZ	4G926.D	11/01/10	12:21	02:10	(unrelated sample)
G4G27-CC19	4G927.D	11/01/10	12:34	02:23	Continuing cal 25
OP46455-MB1	4G929.D	11/01/10	14:05	03:54	Method Blank
OP46373-MS	4G931.D	11/01/10	14:31	04:20	Matrix Spike
OP46373-MSD	4G932.D	11/01/10	14:45	04:34	Matrix Spike Duplicate
JA58900-3	4G933.D	11/01/10	14:58	04:47	BBNPP-R-C
ZZZZZZ	4G933.D	11/01/10	14:58	04:47	(unrelated sample)
ZZZZZZ	4G934.D	11/01/10	15:16	05:05	(unrelated sample)
ZZZZZZ	4G935.D	11/01/10	15:30	05:19	(unrelated sample)
ZZZZZZ	4G936.D	11/01/10	15:43	05:32	(unrelated sample)
ZZZZZZ	4G937.D	11/01/10	15:57	05:46	(unrelated sample)

DDT/Endrin Breakdown Check

Page 1 of 2

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G4G27-DDT

Injection Date: 11/01/10

Lab File ID: 4G939.D

Injection Time: 16:57

Instrument ID: GC4G

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	6555688	4240108
4,4'-DDE	3927297	2821938
4,4'-DDT	327386862	244715131

DDT Breakdown ^a	3.1 %	2.8 %
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Endrin aldehyde	0	0
Endrin ketone	4165322	3610102
Endrin	406888130	306506573

Endrin Breakdown ^b	1 %	1.2 %
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(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100

(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA58900-1	4G941.D	11/01/10	17:23	00:26	BBNPP-D2
ZZZZZZ	4G941.D	11/01/10	17:23	00:26	(unrelated sample)
JA58900-2	4G942.D	11/01/10	17:37	00:40	BBNPP-D1-C
ZZZZZZ	4G942.D	11/01/10	17:37	00:40	(unrelated sample)
JA58900-4	4G943.D	11/01/10	17:50	00:53	BBNPP-CW22-C
ZZZZZZ	4G943.D	11/01/10	17:50	00:53	(unrelated sample)
JA58900-7	4G944.D	11/01/10	18:04	01:07	BBNPP-CW4-C
ZZZZZZ	4G944.D	11/01/10	18:04	01:07	(unrelated sample)
JA58900-8	4G945.D	11/01/10	18:17	01:20	BBNPP-CW7-C
ZZZZZZ	4G945.D	11/01/10	18:17	01:20	(unrelated sample)
JA58900-9	4G946.D	11/01/10	18:30	01:33	BBNPP-CW10-C
ZZZZZZ	4G946.D	11/01/10	18:30	01:33	(unrelated sample)
JA58900-12	4G947.D	11/01/10	18:44	01:47	BBNPP-CW19-C
ZZZZZZ	4G947.D	11/01/10	18:44	01:47	(unrelated sample)
JA58900-14	4G948.D	11/01/10	18:57	02:00	BBNPP-D1-CFD
ZZZZZZ	4G948.D	11/01/10	18:57	02:00	(unrelated sample)
G4G27-CC19	4G949.D	11/01/10	19:24	02:27	Continuing cal 25
OP46365-MS	4G951.D	11/01/10	19:50	02:53	Matrix Spike
OP46365-MSD	4G952.D	11/01/10	20:04	03:07	Matrix Spike Duplicate
ZZZZZZ	4G953.D	11/01/10	20:17	03:20	(unrelated sample)
ZZZZZZ	4G954.D	11/01/10	20:31	03:34	(unrelated sample)
ZZZZZZ	4G955.D	11/01/10	20:44	03:47	(unrelated sample)
ZZZZZZ	4G956.D	11/01/10	20:57	04:00	(unrelated sample)
ZZZZZZ	4G957.D	11/01/10	21:11	04:14	(unrelated sample)

9.4.6



DDT/Endrin Breakdown Check

Page 2 of 2

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G4G27-DDT

Injection Date: 11/01/10

Lab File ID: 4G939.D

Injection Time: 16:57

Instrument ID: GC4G

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	4G958.D	11/01/10	21:24	04:27	(unrelated sample)
ZZZZZZ	4G959.D	11/01/10	21:37	04:40	(unrelated sample)
G4G27-CC19	4G960.D	11/01/10	22:04	05:07	Continuing cal 10
ZZZZZZ	4G962.D	11/01/10	22:31	05:34	(unrelated sample)
ZZZZZZ	4G963.D	11/01/10	22:44	05:47	(unrelated sample)
G4G27-ECC19	4G964.D	11/01/10	23:11	06:14	Ending cal 25
G4G28-CC19	4G966.D	11/02/10	09:12	16:15	Continuing cal 10

9.4.6

9

DDT/Endrin Breakdown Check

Page 1 of 1

Job Number: JA58900**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA**Sample:** G4G29-DDT**Injection Date:** 11/03/10**Lab File ID:** 4G1014.D**Injection Time:** 09:48**Instrument ID:** GC4G

Compound	Response Signal 1	Response Signal 2
4,4' -DDD	6489959	3883975
4,4' -DDE	4653121	2855093
4,4' -DDT	327573974	234957956

DDT Breakdown ^a	3.3 %	2.8 %
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Endrin aldehyde	0	0
Endrin ketone	3834200	2574744
Endrin	399221595	292684181

Endrin Breakdown ^b	1 %	0.9 %
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(a) Calculated as: $(DDD + DDE) / (DDD + DDE + DDT) \times 100$ (b) Calculated as: $(\text{Endrin Aldehyde} + \text{Endrin Ketone}) / (\text{Endrin Aldehyde} + \text{Endrin Ketone} + \text{Endrin}) \times 100$ **This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	4G1017.D	11/03/10	10:28	00:40	(unrelated sample)
JA58900-10	4G1018.D	11/03/10	10:42	00:54	BBNPP-CW13-C
ZZZZZZ	4G1018.D	11/03/10	10:42	00:54	(unrelated sample)
JA58900-11	4G1019.D	11/03/10	10:55	01:07	BBNPP-CW16-C
ZZZZZZ	4G1019.D	11/03/10	10:55	01:07	(unrelated sample)
ZZZZZZ	4G1020.D	11/03/10	11:17	01:29	(unrelated sample)
ZZZZZZ	4G1021.D	11/03/10	11:31	01:43	(unrelated sample)
ZZZZZZ	4G1022.D	11/03/10	11:44	01:56	(unrelated sample)
ZZZZZZ	4G1023.D	11/03/10	11:57	02:09	(unrelated sample)
G4G29-CC19	4G1024.D	11/03/10	12:48	03:00	Continuing cal 25
ZZZZZZ	4G1026.D	11/03/10	13:57	04:09	(unrelated sample)
ZZZZZZ	4G1027.D	11/03/10	14:10	04:22	(unrelated sample)
ZZZZZZ	4G1028.D	11/03/10	14:24	04:36	(unrelated sample)
ZZZZZZ	4G1029.D	11/03/10	14:37	04:49	(unrelated sample)
ZZZZZZ	4G1030.D	11/03/10	14:50	05:02	(unrelated sample)
ZZZZZZ	4G1031.D	11/03/10	15:04	05:16	(unrelated sample)
G4G29-CC19	4G1032.D	11/03/10	16:41	06:53	Continuing cal 10

9.4.7
9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWW3334-CC3143	Injection Date:	10/22/10
Lab File ID:	WW95336.D	Injection Time:	04:44
Instrument ID:	GCWW	Method:	SW846 8151

Sample ID:	OP46107-BS3	Injection Date:	10/22/10
Lab File ID:	WW95338.D	Injection Time:	05:43
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1	16.87	16.90	2.2		ug/l	
2,4-D	2 ^a	16.39	16.41	2.0		ug/l	9.5
2,4,5-TP (Silvex)	1 ^a	17.94	17.95	0.50		ug/l	
2,4,5-TP (Silvex)	2	17.41	17.42	0.42		ug/l	17.4
2,4,5-T	1 ^a	18.34	18.41	0.40		ug/l	
2,4,5-T	2	17.92	17.97	0.42		ug/l	4.9
Dalapon	1 ^a	6.09	6.09	0.36		ug/l	
Dalapon	2	5.17	5.17	0.61		ug/l	51.5
Dinoseb	1	20.25	20.26	1.8		ug/l	
Dinoseb	2 ^a	18.87	18.88	1.4		ug/l	25.0

(a) QC results reported from this column.

9.5.1
9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3340-CC3173

Injection Date: 10/28/10

Lab File ID: WW95479.D

Injection Time: 18:00

Instrument ID: GCWW

Method: SW846 8151

Sample ID: OP46377-BS1

Injection Date: 10/28/10

Lab File ID: WW95482.D

Injection Time: 19:32

Client ID: Blank Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1 ^a	16.93	16.92	8.4	J	ug/kg	8.0
2,4-D	2	16.45	16.44	9.1	J	ug/kg	
2,4,5-TP (Silvex)	1 ^a	17.95	17.96	9.3		ug/kg	2.2
2,4,5-TP (Silvex)	2	17.43	17.43	9.1		ug/kg	
2,4,5-T	1 ^a	18.43	18.44	1.4	J	ug/kg	75.6
2,4,5-T	2	17.99	18.00	3.1		ug/kg	
Dinoseb	1 ^a	20.26	20.27	37.3		ug/kg	25.9
Dinoseb	2	18.89	18.89	48.4		ug/kg	

(a) QC results reported from this column.

9.5.2

9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3324-CC3143

Injection Date: 10/14/10

Lab File ID: WW95121.D

Injection Time: 18:00

Instrument ID: GCWW

Method: SW846 8151

Sample ID: OP46107-MS

Injection Date: 10/14/10

Lab File ID: WW95126.D

Injection Time: 20:45

Client ID: Matrix Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1 ^a	16.85	16.88	3.1		ug/l	0.0
2,4-D	2	16.37	16.41	3.1		ug/l	
2,4,5-TP (Silvex)	1 ^a	17.93	17.94	0.73		ug/l	21.2
2,4,5-TP (Silvex)	2	17.40	17.42	0.59		ug/l	
2,4,5-T	1 ^a	18.33	18.39	0.62		ug/l	1.6
2,4,5-T	2	17.91	17.97	0.63		ug/l	
Dalapon	1 ^a	6.09	6.09	0.57		ug/l	19.0
Dalapon	2	5.17	5.17	0.69		ug/l	
Dinoseb	1 ^a	20.26	20.26	3.1		ug/l	17.5
Dinoseb	2	18.87	18.88	2.6		ug/l	

(a) QC results reported from this column.

9.5.3

9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3340-CC3173

Injection Date: 10/28/10

Lab File ID: WW95479.D

Injection Time: 18:00

Instrument ID: GCWW

Method: SW846 8151

Sample ID: OP46377-MS

Injection Date: 10/28/10

Lab File ID: WW95483.D

Injection Time: 19:51

Client ID: Matrix Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1 ^a	16.86	16.92	55.6		ug/kg	6.9
2,4-D	2	16.39	16.44	59.6		ug/kg	
2,4,5-TP (Silvex)	1 ^a	17.94	17.96	13.7		ug/kg	0.7
2,4,5-TP (Silvex)	2	17.41	17.43	13.6		ug/kg	
2,4,5-T	1 ^a	18.36	18.44	13.1		ug/kg	21.1
2,4,5-T	2	17.93	18.00	10.6		ug/kg	
Dalapon	1 ^a	6.10	6.10	12.8		ug/kg	59.3
Dalapon	2	5.17	5.18	23.6		ug/kg	
Dinoseb	1 ^a	20.26	20.27	70.4		ug/kg	28.8
Dinoseb	2	18.88	18.89	52.7		ug/kg	

(a) QC results reported from this column.

9.5.4



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3324-CC3143	Injection Date:	10/14/10
Lab File ID:	WW95121.D	Injection Time:	18:00
Instrument ID:	GCWW	Method:	SW846 8151

Sample ID:	OP46107-MSD	Injection Date:	10/14/10
Lab File ID:	WW95127.D	Injection Time:	21:15
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1 ^a	16.85	16.88	3.5		ug/l	2.9
2,4-D	2	16.38	16.41	3.4		ug/l	
2,4,5-TP (Silvex)	1 ^a	17.93	17.94	0.80		ug/l	19.2
2,4,5-TP (Silvex)	2	17.40	17.42	0.66		ug/l	
2,4,5-T	1 ^a	18.33	18.39	0.81		ug/l	11.8
2,4,5-T	2	17.92	17.97	0.72		ug/l	
Dalapon	1 ^a	6.09	6.09	0.51		ug/l	17.9
Dalapon	2	5.17	5.17	0.61		ug/l	
Dinoseb	1 ^a	20.26	20.26	3.1		ug/l	10.2
Dinoseb	2	18.88	18.88	2.8		ug/l	

(a) QC results reported from this column.

9.5.5
6

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3340-CC3173	Injection Date: 10/28/10
Lab File ID: WW95479.D	Injection Time: 18:00
Instrument ID: GCWW	Method: SW846 8151

Sample ID: OP46377-MSD	Injection Date: 10/28/10
Lab File ID: WW95484.D	Injection Time: 20:24
Client ID: Matrix Spike Duplicate	

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
2,4-D	1 ^a	16.86	16.92	50.3		ug/kg	
2,4-D	2	16.39	16.44	53.7		ug/kg	6.5
2,4,5-TP (Silvex)	1 ^a	17.94	17.96	11.8		ug/kg	
2,4,5-TP (Silvex)	2	17.41	17.43	11.4		ug/kg	3.4
2,4,5-T	1 ^a	18.35	18.44	10.8		ug/kg	
2,4,5-T	2	17.93	18.00	8.7		ug/kg	21.5
Dalapon	1 ^a	6.10	6.10	9.8		ug/kg	
Dalapon	2	5.17	5.18	20.3		ug/kg	69.8
Dinoseb	1 ^a	20.26	20.27	60.0		ug/kg	
Dinoseb	2	18.88	18.89	45.3		ug/kg	27.9

(a) QC results reported from this column.

9.5.6



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G29-CC19

Injection Date: 11/03/10

Lab File ID: 4G1013.D

Injection Time: 09:25

Instrument ID: GC4G

Method: SW846 8081A

Sample ID: JA58900-11

Injection Date: 11/03/10

Lab File ID: 4G1019.D

Injection Time: 10:55

Client ID: BBNPP-CW16-C

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDE	1 ^a	4.30	4.30	3.5		ug/kg	13.3
4,4'-DDE	2	5.48	5.48	4.0		ug/kg	
4,4'-DDT	1 ^a	5.47	5.47	12.5		ug/kg	1.6
4,4'-DDT	2	6.87	6.87	12.7		ug/kg	

(a) Final result reported from this column.

9.5.7

9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G1G2122-CC2096	Injection Date:	10/26/10
Lab File ID:	1G58163.D	Injection Time:	16:18
Instrument ID:	GC1G	Method:	SW846 8081A

Sample ID:	OP46260-BS1	Injection Date:	10/26/10
Lab File ID:	1G58172.D	Injection Time:	18:51
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	3.23	3.22	0.22		ug/l	0.0
Aldrin	2 ^a	3.96	3.96	0.22		ug/l	
alpha-BHC	1	2.32	2.32	0.24		ug/l	4.3
alpha-BHC	2 ^a	2.77	2.77	0.23		ug/l	
beta-BHC	1	2.61	2.61	0.24		ug/l	8.7
beta-BHC	2 ^a	3.17	3.16	0.22		ug/l	
delta-BHC	1	2.76	2.76	0.24		ug/l	0.0
delta-BHC	2 ^a	3.48	3.48	0.24		ug/l	
gamma-BHC (Lindane)	1	2.55	2.55	0.24		ug/l	4.3
gamma-BHC (Lindane)	2 ^a	3.10	3.10	0.23		ug/l	
alpha-Chlordane	1	4.15	4.14	0.23		ug/l	0.0
alpha-Chlordane	2 ^a	5.13	5.13	0.23		ug/l	
gamma-Chlordane	1 ^a	3.99	3.99	0.23		ug/l	4.3
gamma-Chlordane	2	4.93	4.92	0.24		ug/l	
Dieldrin	1	4.61	4.61	0.24		ug/l	0.0
Dieldrin	2 ^a	5.60	5.60	0.24		ug/l	
4,4'-DDD	1	5.02	5.01	0.23		ug/l	4.4
4,4'-DDD	2 ^a	6.24	6.24	0.22		ug/l	
4,4'-DDE	1 ^a	4.24	4.24	0.23		ug/l	0.0
4,4'-DDE	2	5.37	5.37	0.23		ug/l	
4,4'-DDT	1	5.41	5.40	0.25		ug/l	4.1
4,4'-DDT	2 ^a	6.74	6.74	0.24		ug/l	
Endrin	1	4.91	4.90	0.26		ug/l	0.0
Endrin	2 ^a	6.05	6.05	0.26		ug/l	
Endosulfan sulfate	1	6.46	6.46	0.22		ug/l	9.5
Endosulfan sulfate	2 ^a	7.37	7.37	0.20		ug/l	
Endosulfan-I	1	4.31	4.31	0.24		ug/l	4.3
Endosulfan-I	2 ^a	5.21	5.20	0.23		ug/l	
Endosulfan-II	1	5.21	5.21	0.23		ug/l	0.0
Endosulfan-II	2 ^a	6.38	6.37	0.23		ug/l	
Heptachlor	1	2.95	2.94	0.23		ug/l	0.0
Heptachlor	2 ^a	3.58	3.58	0.23		ug/l	
Heptachlor epoxide	1	3.85	3.85	0.24		ug/l	4.3
Heptachlor epoxide	2 ^a	4.67	4.67	0.23		ug/l	
Methoxychlor	1 ^a	6.17	6.16	0.25		ug/l	3.9
Methoxychlor	2	7.91	7.91	0.26		ug/l	

(a) QC results reported from this column.

9.5.8



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G24-CC19

Injection Date: 10/27/10

Lab File ID: 4G781.D

Injection Time: 12:29

Instrument ID: GC4G

Method: SW846 8081A

Sample ID: OP46373-BS1

Injection Date: 10/27/10

Lab File ID: 4G783.D

Injection Time: 13:00

Client ID: Blank Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	3.28	3.28	12.6		ug/kg	
Aldrin	2 ^a	4.08	4.08	12.3		ug/kg	2.4
alpha-BHC	1 ^a	2.35	2.35	11.2		ug/kg	
alpha-BHC	2	2.85	2.84	12.0		ug/kg	6.9
beta-BHC	1	2.65	2.65	12.0		ug/kg	
beta-BHC	2 ^a	3.26	3.26	12.0		ug/kg	0.0
delta-BHC	1 ^a	2.80	2.81	12.2		ug/kg	
delta-BHC	2	3.59	3.58	14.1		ug/kg	14.4
gamma-BHC (Lindane)	1 ^a	2.59	2.59	11.5		ug/kg	
gamma-BHC (Lindane)	2	3.19	3.19	12.3		ug/kg	6.7
alpha-Chlordane	1	4.21	4.22	12.1		ug/kg	
alpha-Chlordane	2 ^a	5.27	5.27	11.9		ug/kg	1.7
gamma-Chlordane	1	4.06	4.06	12.3		ug/kg	
gamma-Chlordane	2 ^a	5.06	5.06	12.2		ug/kg	0.8
Dieldrin	1	4.68	4.68	12.5		ug/kg	
Dieldrin	2 ^a	5.75	5.75	12.1		ug/kg	3.3
4,4'-DDD	1	5.09	5.10	12.9		ug/kg	
4,4'-DDD	2 ^a	6.39	6.39	12.7		ug/kg	1.6
4,4'-DDE	1 ^a	4.31	4.31	12.8		ug/kg	
4,4'-DDE	2	5.51	5.51	13.4		ug/kg	4.6
4,4'-DDT	1	5.48	5.49	12.4		ug/kg	
4,4'-DDT	2 ^a	6.90	6.90	11.9		ug/kg	4.1
Endrin	1	4.98	4.99	13.0		ug/kg	
Endrin	2 ^a	6.21	6.21	12.6		ug/kg	3.1
Endosulfan sulfate	1	6.55	6.55	12.2		ug/kg	
Endosulfan sulfate	2 ^a	7.54	7.54	12.1		ug/kg	0.8
Endosulfan-I	1	4.38	4.39	12.0		ug/kg	
Endosulfan-I	2 ^a	5.35	5.35	11.8		ug/kg	1.7
Endosulfan-II	1	5.29	5.29	12.5		ug/kg	
Endosulfan-II	2 ^a	6.54	6.54	12.4		ug/kg	0.8
Heptachlor	1	2.99	2.99	11.4		ug/kg	
Heptachlor	2 ^a	3.69	3.69	11.2		ug/kg	1.8
Heptachlor epoxide	1	3.92	3.92	12.0		ug/kg	
Heptachlor epoxide	2 ^a	4.80	4.80	11.8		ug/kg	1.7
Methoxychlor	1	6.23	6.24	12.8		ug/kg	
Methoxychlor	2 ^a	8.07	8.07	12.5		ug/kg	2.4

(a) QC results reported from this column.

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G1G2122-CC2096	Injection Date:	10/26/10
Lab File ID:	1G58174.D	Injection Time:	19:36
Instrument ID:	GC1G	Method:	SW846 8081A

Sample ID:	OP46260-MS	Injection Date:	10/26/10
Lab File ID:	1G58176.D	Injection Time:	20:07
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 ^a	3.23	3.23	3.2		ug/l	32.7
Aldrin	2	3.96	3.96	2.3		ug/l	
alpha-BHC	1 ^a	2.32	2.32	4.8		ug/l	2.1
alpha-BHC	2	2.77	2.77	4.9		ug/l	
beta-BHC	1 ^a	2.61	2.61	5.4		ug/l	20.4
beta-BHC	2	3.17	3.17	4.4		ug/l	
delta-BHC	1 ^a	2.76	2.76	5.6		ug/l	3.5
delta-BHC	2	3.48	3.48	5.8		ug/l	
gamma-BHC (Lindane)	1 ^a	2.55	2.55	4.5		ug/l	25.2
gamma-BHC (Lindane)	2	3.10	3.10	5.8		ug/l	
alpha-Chlordane	1 ^a	4.15	4.15	4.5		ug/l	9.3
alpha-Chlordane	2	5.13	5.13	4.1		ug/l	
gamma-Chlordane	1 ^a	3.99	3.99	3.8		ug/l	10.0
gamma-Chlordane	2	4.92	4.93	4.2		ug/l	
Dieldrin	1 ^a	4.61	4.61	4.3		ug/l	8.9
Dieldrin	2	5.60	5.60	4.7		ug/l	
4,4'-DDD	1 ^a	5.02	5.02	4.9		ug/l	8.5
4,4'-DDD	2	6.24	6.24	4.5		ug/l	
4,4'-DDE	1 ^a	4.24	4.24	3.8		ug/l	0.0
4,4'-DDE	2	5.37	5.37	3.8		ug/l	
4,4'-DDT	1 ^a	5.41	5.41	5.0		ug/l	15.1
4,4'-DDT	2	6.74	6.74	4.3		ug/l	
Endrin	1 ^a	4.91	4.91	4.8		ug/l	2.1
Endrin	2	6.05	6.05	4.9		ug/l	
Endosulfan sulfate	1 ^a	6.46	6.46	4.3		ug/l	4.8
Endosulfan sulfate	2	7.37	7.37	4.1		ug/l	
Endosulfan-I	1 ^a	4.31	4.31	4.4		ug/l	0.0
Endosulfan-I	2	5.21	5.21	4.4		ug/l	
Endosulfan-II	1 ^a	5.21	5.21	4.7		ug/l	6.2
Endosulfan-II	2	6.37	6.38	5.0		ug/l	
Heptachlor	1 ^a	2.94	2.94	4.0		ug/l	0.0
Heptachlor	2	3.58	3.58	4.0		ug/l	
Heptachlor epoxide	1 ^a	3.85	3.85	4.3		ug/l	2.3
Heptachlor epoxide	2	4.67	4.67	4.4		ug/l	
Methoxychlor	1 ^a	6.16	6.17	4.9		ug/l	9.7
Methoxychlor	2	7.91	7.91	5.4		ug/l	

(a) QC results reported from this column.

9.5.10



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G27-CC19

Injection Date: 11/01/10

Lab File ID: 4G927.D

Injection Time: 12:34

Instrument ID: GC4G

Method: SW846 8081A

Sample ID: OP46373-MS

Injection Date: 11/01/10

Lab File ID: 4G931.D

Injection Time: 14:31

Client ID: Matrix Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 ^a	3.27	3.27	13.9		ug/kg	0.7
Aldrin	2	4.06	4.06	14.0		ug/kg	
alpha-BHC	1 ^a	2.34	2.35	15.1		ug/kg	18.8
alpha-BHC	2	2.84	2.84	12.5		ug/kg	
beta-BHC	1 ^a	2.64	2.64	13.8		ug/kg	5.2
beta-BHC	2	3.25	3.25	13.1		ug/kg	
delta-BHC	1 ^a	2.80	2.80	13.6		ug/kg	6.4
delta-BHC	2	3.57	3.57	14.5		ug/kg	
gamma-BHC (Lindane)	1 ^a	2.58	2.58	13.4		ug/kg	3.7
gamma-BHC (Lindane)	2	3.18	3.18	13.9		ug/kg	
alpha-Chlordane	1 ^a	4.21	4.21	13.9		ug/kg	3.7
alpha-Chlordane	2	5.25	5.25	13.4		ug/kg	
gamma-Chlordane	1 ^a	4.05	4.05	14.1		ug/kg	136.7
gamma-Chlordane	2	5.03	5.05	75.0		ug/kg	
Dieldrin	1 ^a	4.67	4.67	14.3		ug/kg	4.3
Dieldrin	2	5.73	5.73	13.7		ug/kg	
4,4'-DDD	1 ^a	5.08	5.08	15.0		ug/kg	6.2
4,4'-DDD	2	6.38	6.38	14.1		ug/kg	
4,4'-DDE	1 ^a	4.30	4.30	15.0		ug/kg	2.6
4,4'-DDE	2	5.49	5.49	15.4		ug/kg	
4,4'-DDT	1 ^a	5.48	5.47	14.0		ug/kg	7.4
4,4'-DDT	2	6.88	6.88	13.0		ug/kg	
Endrin	1 ^a	4.98	4.98	14.8		ug/kg	4.8
Endrin	2	6.19	6.19	14.1		ug/kg	
Endosulfan sulfate	1 ^a	6.54	6.54	10.5		ug/kg	5.9
Endosulfan sulfate	2	7.52	7.52	9.9		ug/kg	
Endosulfan-I	1 ^a	4.37	4.37	14.0		ug/kg	5.1
Endosulfan-I	2	5.34	5.34	13.3		ug/kg	
Endosulfan-II	1 ^a	5.28	5.28	13.4		ug/kg	3.0
Endosulfan-II	2	6.52	6.52	13.0		ug/kg	
Heptachlor	1 ^a	2.99	2.99	14.6		ug/kg	13.1
Heptachlor	2	3.68	3.68	12.8		ug/kg	
Heptachlor epoxide	1 ^a	3.91	3.91	13.8		ug/kg	4.4
Heptachlor epoxide	2	4.79	4.79	13.2		ug/kg	
Methoxychlor	1 ^a	6.23	6.22	13.4		ug/kg	6.2
Methoxychlor	2	8.05	8.05	12.6		ug/kg	

(a) QC results reported from this column.

9.5.11
9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G1G2122-CC2096	Injection Date:	10/26/10
Lab File ID:	1G58174.D	Injection Time:	19:36
Instrument ID:	GC1G	Method:	SW846 8081A

Sample ID:	OP46260-MSD	Injection Date:	10/26/10
Lab File ID:	1G58177.D	Injection Time:	20:22
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 ^a	3.23	3.23	3.1		ug/l	29.6
Aldrin	2	3.96	3.96	2.3		ug/l	
alpha-BHC	1 ^a	2.32	2.32	4.9		ug/l	2.0
alpha-BHC	2	2.77	2.77	5.0		ug/l	
beta-BHC	1 ^a	2.61	2.61	5.2		ug/l	14.4
beta-BHC	2	3.17	3.17	4.5		ug/l	
delta-BHC	1 ^a	2.76	2.76	5.6		ug/l	5.2
delta-BHC	2	3.48	3.48	5.9		ug/l	
gamma-BHC (Lindane)	1 ^a	2.55	2.55	4.5		ug/l	25.2
gamma-BHC (Lindane)	2	3.10	3.10	5.8		ug/l	
alpha-Chlordane	1 ^a	4.15	4.15	4.4		ug/l	9.5
alpha-Chlordane	2	5.13	5.13	4.0		ug/l	
gamma-Chlordane	1 ^a	3.99	3.99	3.8		ug/l	7.6
gamma-Chlordane	2	4.93	4.93	4.1		ug/l	
Dieldrin	1 ^a	4.61	4.61	4.2		ug/l	15.4
Dieldrin	2	5.60	5.60	4.9		ug/l	
4,4'-DDD	1 ^a	5.02	5.02	4.6		ug/l	6.7
4,4'-DDD	2	6.24	6.24	4.3		ug/l	
4,4'-DDE	1 ^a	4.24	4.24	3.6		ug/l	0.0
4,4'-DDE	2	5.37	5.37	3.6		ug/l	
4,4'-DDT	1 ^a	5.41	5.41	4.6		ug/l	14.0
4,4'-DDT	2	6.74	6.74	4.0		ug/l	
Endrin	1 ^a	4.91	4.91	4.8		ug/l	0.0
Endrin	2	6.05	6.05	4.8		ug/l	
Endosulfan sulfate	1 ^a	6.46	6.46	4.1		ug/l	5.0
Endosulfan sulfate	2	7.37	7.37	3.9		ug/l	
Endosulfan-I	1 ^a	4.31	4.31	4.4		ug/l	0.0
Endosulfan-I	2	5.21	5.21	4.4		ug/l	
Endosulfan-II	1 ^a	5.21	5.21	4.6		ug/l	6.3
Endosulfan-II	2	6.37	6.38	4.9		ug/l	
Heptachlor	1 ^a	2.95	2.94	3.8		ug/l	2.6
Heptachlor	2	3.58	3.58	3.9		ug/l	
Heptachlor epoxide	1 ^a	3.85	3.85	4.2		ug/l	6.9
Heptachlor epoxide	2	4.67	4.67	4.5		ug/l	
Methoxychlor	1 ^a	6.16	6.17	4.7		ug/l	4.2
Methoxychlor	2	7.91	7.91	4.9		ug/l	

(a) QC results reported from this column.

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G27-CC19

Injection Date: 11/01/10

Lab File ID: 4G927.D

Injection Time: 12:34

Instrument ID: GC4G

Method: SW846 8081A

Sample ID: OP46373-MSD

Injection Date: 11/01/10

Lab File ID: 4G932.D

Injection Time: 14:45

Client ID: Matrix Spike Duplicate

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 ^a	3.27	3.27	17.5		ug/kg	3.9
Aldrin	2	4.06	4.06	18.2		ug/kg	
alpha-BHC	1 ^a	2.35	2.35	18.7		ug/kg	6.6
alpha-BHC	2	2.84	2.84	17.5		ug/kg	
beta-BHC	1 ^a	2.65	2.64	17.2		ug/kg	4.2
beta-BHC	2	3.25	3.25	16.5		ug/kg	
delta-BHC	1 ^a	2.80	2.80	17.0		ug/kg	6.3
delta-BHC	2	3.57	3.57	18.1		ug/kg	
gamma-BHC (Lindane)	1 ^a	2.58	2.58	17.0		ug/kg	5.7
gamma-BHC (Lindane)	2	3.18	3.18	18.0		ug/kg	
alpha-Chlordane	1 ^a	4.21	4.21	17.3		ug/kg	2.9
alpha-Chlordane	2	5.25	5.25	16.8		ug/kg	
gamma-Chlordane	1 ^a	4.05	4.05	17.7		ug/kg	124.0
gamma-Chlordane	2	5.03	5.05	75.4		ug/kg	
Dieldrin	1 ^a	4.67	4.67	17.9		ug/kg	3.4
Dieldrin	2	5.73	5.73	17.3		ug/kg	
4,4'-DDD	1 ^a	5.08	5.08	18.7		ug/kg	4.4
4,4'-DDD	2	6.38	6.38	17.9		ug/kg	
4,4'-DDE	1 ^a	4.30	4.30	18.8		ug/kg	3.7
4,4'-DDE	2	5.49	5.49	19.5		ug/kg	
4,4'-DDT	1 ^a	5.48	5.47	17.8		ug/kg	7.6
4,4'-DDT	2	6.88	6.88	16.5		ug/kg	
Endrin	1 ^a	4.98	4.98	18.5		ug/kg	3.9
Endrin	2	6.19	6.19	17.8		ug/kg	
Endosulfan sulfate	1 ^a	6.54	6.54	12.5		ug/kg	3.3
Endosulfan sulfate	2	7.52	7.52	12.1		ug/kg	
Endosulfan-I	1 ^a	4.37	4.37	17.5		ug/kg	4.1
Endosulfan-I	2	5.34	5.34	16.8		ug/kg	
Endosulfan-II	1 ^a	5.28	5.28	16.7		ug/kg	3.0
Endosulfan-II	2	6.52	6.52	16.2		ug/kg	
Heptachlor	1 ^a	2.99	2.99	18.2		ug/kg	10.4
Heptachlor	2	3.68	3.68	16.4		ug/kg	
Heptachlor epoxide	1 ^a	3.91	3.91	17.3		ug/kg	2.9
Heptachlor epoxide	2	4.79	4.79	16.8		ug/kg	
Methoxychlor	1 ^a	6.23	6.22	16.5		ug/kg	4.3
Methoxychlor	2	8.05	8.05	15.8		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G3G1847-CC1826

Injection Date: 10/20/10

Lab File ID: 3G50143.D

Injection Time: 11:29

Instrument ID: GC3G

Method: SW846 8082

Sample ID: OP46259-BS1

Injection Date: 10/20/10

Lab File ID: 3G50146.D

Injection Time: 12:14

Client ID: Blank Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			2.2		ug/l	4.4
Aroclor 1016	2			2.3		ug/l	
AR1016-A	1	2.68	2.68	2.7		ug/l	
AR1016-A	2	2.63	2.63	2.8		ug/l	
AR1016-B	1	3.05	3.05	2.0		ug/l	
AR1016-B	2	3.03	3.03	2.2		ug/l	
AR1016-C	1	3.58	3.58	2.0		ug/l	
AR1016-C	2	3.55	3.54	2.0		ug/l	
AR1016-D	1	3.73	3.73	2.1		ug/l	
AR1016-D	2	3.69	3.69	2.4		ug/l	
AR1016-E	1	4.20	4.20	2.2		ug/l	
AR1016-E	2	4.22	4.22	2.2		ug/l	
Aroclor 1260	1 ^a			2.0		ug/l	4.9
Aroclor 1260	2			2.1		ug/l	
AR1260-A	1	6.05	6.05	1.9		ug/l	
AR1260-A	2	6.05	6.04	2.2		ug/l	
AR1260-B	1	6.41	6.40	1.9		ug/l	
AR1260-B	2	6.48	6.48	2.1		ug/l	
AR1260-C	1	6.86	6.86	1.9		ug/l	
AR1260-C	2	6.96	6.96	2.3		ug/l	
AR1260-D	1	7.27	7.26	2.3		ug/l	
AR1260-D	2	7.31	7.31	2.2		ug/l	
AR1260-E	1	7.64	7.64	1.9		ug/l	
AR1260-E	2	7.76	7.76	1.8		ug/l	

(a) QC results reported from this column.

9.5.14



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GEF4072-CC4061

Injection Date: 10/28/10

Lab File ID: EF93906.D

Injection Time: 13:54

Instrument ID: GCEF

Method: SW846 8082

Sample ID: OP46374-BS1

Injection Date: 10/28/10

Lab File ID: EF93909.D

Injection Time: 14:49

Client ID: Blank Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			135		ug/kg	0.7
Aroclor 1016	2			136		ug/kg	
AR1016-A	1	3.71	3.71	138		ug/kg	
AR1016-A	2	3.82	3.82	139		ug/kg	
AR1016-B	1	4.21	4.22	132		ug/kg	
AR1016-B	2	4.39	4.39	134		ug/kg	
AR1016-C	1	4.91	4.92	129		ug/kg	
AR1016-C	2	5.07	5.07	130		ug/kg	
AR1016-D	1	5.40	5.41	139		ug/kg	
AR1016-D	2	5.61	5.62	141		ug/kg	
AR1016-E	1	5.72	5.73	135		ug/kg	
AR1016-E	2	5.95	5.95	135		ug/kg	
Aroclor 1260	1			140		ug/kg	2.2
Aroclor 1260	2 ^a			137		ug/kg	
AR1260-A	1	8.01	8.01	150		ug/kg	
AR1260-A	2	8.20	8.20	142		ug/kg	
AR1260-B	1	8.44	8.45	131		ug/kg	
AR1260-B	2	8.74	8.75	129		ug/kg	
AR1260-C	1	8.99	9.00	138		ug/kg	
AR1260-C	2	9.33	9.34	135		ug/kg	
AR1260-D	1	9.47	9.48	144		ug/kg	
AR1260-D	2	9.73	9.73	146		ug/kg	
AR1260-E	1	9.93	9.94	135		ug/kg	
AR1260-E	2	10.29	10.30	133		ug/kg	

(a) QC results reported from this column.

9.5.15



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G3G1848-CC1826	Injection Date:	10/21/10
Lab File ID:	3G50187.D	Injection Time:	12:25
Instrument ID:	GC3G	Method:	SW846 8082

Sample ID:	OP46259-MS	Injection Date:	10/21/10
Lab File ID:	3G50192.D	Injection Time:	14:35
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			3.0		ug/l	12.5
Aroclor 1016	2			3.4		ug/l	
AR1016-A	1	2.68	2.68	3.8		ug/l	
AR1016-A	2	2.63	2.63	4.1		ug/l	
AR1016-B	1	3.05	3.05	2.8		ug/l	
AR1016-B	2	3.03	3.03	3.3		ug/l	
AR1016-C	1	3.58	3.58	2.8		ug/l	
AR1016-C	2	3.54	3.54	3.2		ug/l	
AR1016-D	1	3.73	3.73	2.7		ug/l	
AR1016-D	2	3.69	3.69	3.2		ug/l	
AR1016-E	1	4.20	4.20	2.9		ug/l	
AR1016-E	2	4.21	4.22	3.1		ug/l	
Aroclor 1260	1 ^a			3.3		ug/l	5.9
Aroclor 1260	2			3.5		ug/l	
AR1260-A	1	6.05	6.05	2.8		ug/l	
AR1260-A	2	6.04	6.04	3.4		ug/l	
AR1260-B	1	6.40	6.41	3.5		ug/l	
AR1260-B	2	6.47	6.48	3.5		ug/l	
AR1260-C	1	6.86	6.86	3.6		ug/l	
AR1260-C	2	6.96	6.96	3.6		ug/l	
AR1260-D	1	7.26	7.27	3.5		ug/l	
AR1260-D	2	7.30	7.31	3.6		ug/l	

(a) QC results reported from this column.

9.5.16



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GEF4072-CC4061

Injection Date: 10/28/10

Lab File ID: EF93906.D

Injection Time: 13:54

Instrument ID: GCEF

Method: SW846 8082

Sample ID: OP46374-MS

Injection Date: 10/28/10

Lab File ID: EF93911.D

Injection Time: 15:23

Client ID: Matrix Spike

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			182		ug/kg	8.4
Aroclor 1016	2			198		ug/kg	
AR1016-A	1	3.71	3.71	178		ug/kg	
AR1016-A	2	3.82	3.82	185		ug/kg	
AR1016-B	1	4.21	4.22	175		ug/kg	
AR1016-B	2	4.39	4.39	178		ug/kg	
AR1016-C	1	4.91	4.92	179		ug/kg	
AR1016-C	2	5.06	5.07	192		ug/kg	
AR1016-D	1	5.40	5.41	197		ug/kg	
AR1016-D	2	5.61	5.62	239		ug/kg	
AR1016-E	1	5.72	5.73	183		ug/kg	
AR1016-E	2	5.95	5.95	199		ug/kg	
Aroclor 1260	1 ^a			185		ug/kg	3.2
Aroclor 1260	2			191		ug/kg	
AR1260-A	1	8.01	8.01	203		ug/kg	
AR1260-A	2	8.20	8.20	187		ug/kg	
AR1260-B	1	8.44	8.45	177		ug/kg	
AR1260-B	2	8.74	8.75	173		ug/kg	
AR1260-C	1	8.99	9.00	183		ug/kg	
AR1260-C	2	9.33	9.34	178		ug/kg	
AR1260-D	1	9.47	9.48	185		ug/kg	
AR1260-D	2	9.73	9.73	240		ug/kg	
AR1260-E	1	9.93	9.94	176		ug/kg	
AR1260-E	2	10.29	10.30	177		ug/kg	

(a) QC results reported from this column.

9.5.17

9

GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G3G1848-CC1826	Injection Date:	10/21/10
Lab File ID:	3G50187.D	Injection Time:	12:25
Instrument ID:	GC3G	Method:	SW846 8082

Sample ID:	OP46259-MSD	Injection Date:	10/21/10
Lab File ID:	3G50193.D	Injection Time:	14:50
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			2.6		ug/l	14.3
Aroclor 1016	2			3.0		ug/l	
AR1016-A	1	2.68	2.68	2.7		ug/l	
AR1016-A	2	2.63	2.63	3.4		ug/l	
AR1016-B	1	3.05	3.05	2.6		ug/l	
AR1016-B	2	3.03	3.03	3.0		ug/l	
AR1016-C	1	3.58	3.58	2.5		ug/l	
AR1016-C	2	3.54	3.54	2.8		ug/l	
AR1016-D	1	3.73	3.73	2.4		ug/l	
AR1016-D	2	3.69	3.69	2.9		ug/l	
AR1016-E	1	4.20	4.20	2.5		ug/l	
AR1016-E	2	4.21	4.22	2.8		ug/l	
Aroclor 1260	1 ^a			2.7		ug/l	16.9
Aroclor 1260	2			3.2		ug/l	
AR1260-A	1	6.05	6.05	2.5		ug/l	
AR1260-A	2	6.04	6.04	3.0		ug/l	
AR1260-B	1	6.40	6.41	2.6		ug/l	
AR1260-B	2	6.48	6.48	3.0		ug/l	
AR1260-C	1	6.86	6.86	2.7		ug/l	
AR1260-C	2	6.96	6.96	3.3		ug/l	
AR1260-D	1	7.26	7.27	2.9		ug/l	
AR1260-D	2	7.30	7.31	3.2		ug/l	

(a) QC results reported from this column.

9.5.18



GC Identification Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GEF4072-CC4061

Injection Date: 10/28/10

Lab File ID: EF93906.D

Injection Time: 13:54

Instrument ID: GCEF

Method: SW846 8082

Sample ID: OP46374-MSD

Injection Date: 10/28/10

Lab File ID: EF93912.D

Injection Time: 15:41

Client ID: Matrix Spike Duplicate

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 ^a			178		ug/kg	1.7
Aroclor 1016	2			181		ug/kg	
AR1016-A	1	3.71	3.71	179		ug/kg	
AR1016-A	2	3.82	3.82	184		ug/kg	
AR1016-B	1	4.21	4.22	173		ug/kg	
AR1016-B	2	4.39	4.39	177		ug/kg	
AR1016-C	1	4.91	4.92	173		ug/kg	
AR1016-C	2	5.07	5.07	177		ug/kg	
AR1016-D	1	5.40	5.41	187		ug/kg	
AR1016-D	2	5.61	5.62	190		ug/kg	
AR1016-E	1	5.72	5.73	176		ug/kg	
AR1016-E	2	5.95	5.95	180		ug/kg	
Aroclor 1260	1 ^a			170		ug/kg	0.0
Aroclor 1260	2			170		ug/kg	
AR1260-A	1	8.00	8.01	175		ug/kg	
AR1260-A	2	8.20	8.20	177		ug/kg	
AR1260-B	1	8.44	8.45	163		ug/kg	
AR1260-B	2	8.74	8.75	165		ug/kg	
AR1260-C	1	8.99	9.00	173		ug/kg	
AR1260-C	2	9.33	9.34	165		ug/kg	
AR1260-D	1	9.47	9.48	173		ug/kg	
AR1260-D	2	9.73	9.73	177		ug/kg	
AR1260-E	1	9.93	9.94	165		ug/kg	
AR1260-E	2	10.29	10.30	166		ug/kg	

(a) QC results reported from this column.

9.5.19

9

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8151

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
JA58900-5	WW95339.D	106.0	101.0
JA58900-6	WW95335.D	97.0	97.0
OP46107-BS3	WW95338.D	99.0	90.0
OP46107-MB3	WW95337.D	112.0	97.0
OP46107-MS	WW95126.D	95.0	88.0
OP46107-MSD	WW95127.D	99.0	89.0
OP46107-MB1	WW95119.D	90.0	93.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = 2,4-DCAA	50-142%
---------------	---------

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.1



Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8151

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
JA58900-1	WW95610.D	85.0	84.0
JA58900-1	WW95564.D	62.0	44.0
JA58900-2	WW95611.D	71.0	66.0
JA58900-2	WW95565.D	77.0	39.0
JA58900-3	WW95626.D	78.0	76.0
JA58900-3	WW95485.D	65.0	65.0
JA58900-4	WW95627.D	83.0	47.0
JA58900-4	WW95580.D	38.0	78.0
JA58900-7	WW95612.D	91.0	86.0
JA58900-7	WW95486.D	76.0	97.0
JA58900-8	WW95613.D	88.0	82.0
JA58900-8	WW95487.D	75.0	38.0
JA58900-9	WW95614.D	90.0	95.0
JA58900-9	WW95488.D	26.0	22.0
JA58900-10	WW95628.D	90.0	50.0
JA58900-10	WW95581.D	59.0	56.0
JA58900-11	WW95622.D	94.0	43.0
JA58900-11	WW95582.D	53.0	52.0
JA58900-12	WW95644.D	82.0	39.0
JA58900-12	WW95603.D	83.0	81.0
JA58900-14	WW95645.D	71.0	38.0
JA58900-14	WW95604.D	66.0	49.0
OP46377-BS1	WW95482.D	79.0	73.0
OP46377-MB1	WW95481.D	22.0	20.0
OP46377-MS	WW95483.D	83.0	61.0
OP46377-MSD	WW95484.D	77.0	64.0
OP46441-BS1	WW95886.D	94.0	84.0
OP46441-MB1	WW95885.D	97.0	93.0
OP46441-MS	WW95887.D	101.0	80.0
OP46441-MSD	WW95888.D	97.0	77.0

Surrogate
Compounds

Recovery
Limits

S1 = 2,4-DCAA

13-146%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.2

9

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8081A

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JA58900-5	1G58178.D	67.0	70.0	35.0	31.0
JA58900-6	1G58179.D	90.0	99.0	74.0	71.0
OP46260-BS1	1G58172.D	90.0	93.0	83.0	78.0
OP46260-MB1	1G58171.D	74.0	81.0	66.0	65.0
OP46260-MS	1G58176.D	80.0	93.0	68.0	68.0
OP46260-MSD	1G58177.D	76.0	88.0	63.0	58.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = Tetrachloro-m-xylene 26-145%

S2 = Decachlorobiphenyl 10-141%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.3

9

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8081A

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JA58900-1	4G941.D	66.0	59.0	84.0	79.0
JA58900-2	4G942.D	65.0	61.0	80.0	78.0
JA58900-3	4G933.D	88.0	89.0	107.0	103.0
JA58900-4	4G943.D	56.0	54.0	76.0	75.0
JA58900-7	4G944.D	78.0	72.0	84.0	81.0
JA58900-8	4G945.D	79.0	76.0	87.0	85.0
JA58900-9	4G946.D	86.0	80.0	89.0	87.0
JA58900-10	4G1018.D	80.0	76.0	93.0	93.0
JA58900-11	4G1019.D	59.0	56.0	77.0	78.0
JA58900-12	4G947.D	54.0	51.0	62.0	61.0
JA58900-14	4G948.D	80.0	78.0	84.0	83.0
OP46373-BS1	4G783.D	88.0	87.0	95.0	94.0
OP46373-MB1	4G782.D	80.0	80.0	90.0	87.0
OP46373-MS	4G931.D	78.0	72.0	88.0	85.0
OP46373-MSD	4G932.D	97.0	93.0	104.0	100.0

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene

23-137%

S2 = Decachlorobiphenyl

22-160%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.4

9

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8082

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JA58900-5	3G50216.D	65.0	67.0	33.0	35.0
JA58900-6	3G50217.D	81.0	86.0	72.0	77.0
OP46259-BS1	3G50146.D	85.0	89.0	87.0	95.0
OP46259-MB1	3G50145.D	81.0	82.0	79.0	88.0
OP46259-MS	3G50192.D	68.0	72.0	70.0	82.0
OP46259-MSD	3G50193.D	61.0	64.0	53.0	61.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	27-144%
S2 = Decachlorobiphenyl	10-139%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.5



Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8082

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JA58900-1	EF93914.D	74.0	78.0	108.0	113.0
JA58900-2	EF93919.D	78.0	80.0	105.0	114.0
JA58900-3	EF93913.D	87.0	89.0	115.0	120.0
JA58900-4	EF93920.D	77.0	79.0	113.0	123.0
JA58900-7	EF93921.D	102.0	105.0	123.0	133.0
JA58900-8	EF93922.D	93.0	95.0	113.0	123.0
JA58900-9	EF93923.D	99.0	102.0	117.0	126.0
JA58900-10	EF93924.D	91.0	94.0	117.0	129.0
JA58900-11	EF93925.D	60.0	61.0	84.0	89.0
JA58900-12	EF93926.D	67.0	69.0	102.0	113.0
JA58900-14	EF93927.D	101.0	103.0	119.0	132.0
OP46374-BS1	EF93909.D	91.0	97.0	118.0	127.0
OP46374-MB1	EF93908.D	94.0	99.0	110.0	113.0
OP46374-MS	EF93911.D	87.0	92.0	112.0	118.0
OP46374-MSD	EF93912.D	90.0	95.0	107.0	113.0

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene

22-141%

S2 = Decachlorobiphenyl

18-163%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

9.6.6
6

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GW3324-CC3143	Injection Date:	10/14/10
Lab File ID:	WW95110.D	Injection Time:	12:30
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.13	14.63
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
ZZZZZZ	WW95113.D	10/14/10	14:02	15.16	14.61
ZZZZZZ	WW95114.D	10/14/10	14:31	15.10	14.61
ZZZZZZ	WW95115.D	10/14/10	15:01	15.16	14.67
JA58241-2	WW95116.D	10/14/10	15:30	15.11	14.62
OP46107-MB2	WW95117.D	10/14/10	16:02	15.17	14.68
OP46107-BS2	WW95118.D	10/14/10	16:26	15.13	14.63
OP46107-MB1	WW95119.D	10/14/10	16:57	15.18	14.69
OP46107-BS1	WW95120.D	10/14/10	17:28	15.13	14.63

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.1



GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3324-CC3143	Injection Date:	10/14/10
Lab File ID:	WW95121.D	Injection Time:	18:00
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.14	14.64
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46081-MB1	WW95122.D	10/14/10	18:31	15.20	14.70
OP46081-BS1	WW95123.D	10/14/10	19:01	15.13	14.63
OP46081-MS	WW95124.D	10/14/10	19:46	15.11	14.62
OP46081-MSD	WW95125.D	10/14/10	20:16	15.11	14.62
OP46107-MS	WW95126.D	10/14/10	20:45	15.13	14.63
OP46107-MSD	WW95127.D	10/14/10	21:15	15.13	14.63
JA58410-4	WW95128.D	10/14/10	21:47	15.18	14.68
ZZZZZZ	WW95129.D	10/14/10	22:16	15.18	14.68
ZZZZZZ	WW95130.D	10/14/10	22:46	15.18	14.68
GWV3324-ECC3143	WW95131.D	10/14/10	23:18	15.13	14.63

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.2
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3334-CC3143	Injection Date:	10/21/10
Lab File ID:	WW95325.D	Injection Time:	22:26
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.13	14.63
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46195-MS	WW95327.D	10/21/10	23:30	15.13	14.63
OP46195-MSD	WW95328.D	10/22/10	00:07	15.12	14.63
ZZZZZZ	WW95329.D	10/22/10	00:41	15.16	14.66
ZZZZZZ	WW95329.D	10/22/10	00:41	15.16	14.66
JA58750-11	WW95330.D	10/22/10	01:00	15.15	14.66
ZZZZZZ	WW95330.D	10/22/10	01:00	15.15	14.66
ZZZZZZ	WW95331.D	10/22/10	01:31	15.15	14.65
ZZZZZZ	WW95331.D	10/22/10	01:31	15.15	14.65
ZZZZZZ	WW95332.D	10/22/10	02:03	15.16	14.66
ZZZZZZ	WW95332.D	10/22/10	02:03	15.16	14.66
ZZZZZZ	WW95333.D	10/22/10	02:42	15.15	14.66
ZZZZZZ	WW95333.D	10/22/10	02:42	15.15	14.66
ZZZZZZ	WW95334.D	10/22/10	03:08	15.21	14.77
ZZZZZZ	WW95334.D	10/22/10	03:08	15.21	14.77
JA58900-6	WW95335.D	10/22/10	03:41	15.19	14.69
ZZZZZZ	WW95335.D	10/22/10	03:41	15.19	14.69

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.3



GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3334-CC3143	Injection Date:	10/22/10
Lab File ID:	WW95336.D	Injection Time:	04:44
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.14	14.64
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46107-MB3	WW95337.D	10/22/10	05:22	15.19	14.69
OP46107-BS3	WW95338.D	10/22/10	05:43	15.13	14.63
JA58900-5	WW95339.D	10/22/10	06:17	15.19	14.69
ZZZZZZ	WW95339.D	10/22/10	06:17	15.19	14.69
ZZZZZZ	WW95340.D	10/22/10	06:47	15.15	14.66
ZZZZZZ	WW95340.D	10/22/10	06:47	15.15	14.66
OP46286-MB1	WW95343.D	10/22/10	08:59	15.20	14.70
OP46114-MB4	WW95343.D	10/22/10	08:59	15.20	14.70
OP46286-BS1	WW95344.D	10/22/10	09:39	15.13	14.63
OP46114-BS4	WW95344.D	10/22/10	09:39	15.13	14.63
OP46286-LB18	WW95345.D	10/22/10	10:10	15.21	14.71
ZZZZZZ	WW95346.D	10/22/10	10:32	15.20	14.70
ZZZZZZ	WW95347.D	10/22/10	11:22	15.15	14.65
ZZZZZZ	WW95348.D	10/22/10	11:56	15.21	14.70
ZZZZZZ	WW95349.D	10/22/10	12:29	15.15	14.66
OP46114-LB19	WW95350.D	10/22/10	13:02	15.21	14.71
OP46286-LB16	WW95351.D	10/22/10	13:37	15.21	14.71

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.4
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3340-CC3173	Injection Date:	10/28/10
Lab File ID:	WW95479.D	Injection Time:	18:00
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.15	14.65
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46377-MB1	WW95481.D	10/28/10	18:57	15.25	14.76
OP46377-BS1	WW95482.D	10/28/10	19:32	15.16	14.66
OP46377-MS	WW95483.D	10/28/10	19:51	15.14	14.64
OP46377-MSD	WW95484.D	10/28/10	20:24	15.14	14.64
JA58900-3	WW95485.D	10/28/10	21:05	15.20	14.69
ZZZZZZ	WW95485.D	10/28/10	21:05	15.20	14.69
JA58900-7	WW95486.D	10/28/10	21:36	15.17	14.67
ZZZZZZ	WW95486.D	10/28/10	21:36	15.17	14.67
JA58900-8	WW95487.D	10/28/10	21:56	15.17	14.67
ZZZZZZ	WW95487.D	10/28/10	21:56	15.17	14.67
JA58900-9	WW95488.D	10/28/10	22:28	15.19	14.68
ZZZZZZ	WW95488.D	10/28/10	22:28	15.19	14.68
ZZZZZZ	WW95489.D	10/28/10	23:03	15.19	14.69
GWV3340-ECC3173	WW95490.D	10/28/10	23:34	15.14	14.64

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.5

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWW3343-CC3143	Injection Date:	11/02/10
Lab File ID:	WW95555.D	Injection Time:	11:25
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.11	14.62
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46386-MB3	WW95556.D	11/02/10	11:57	15.17	14.67
OP46386-BS3	WW95557.D	11/02/10	12:23	15.11	14.61
OP46386-LB5	WW95558.D	11/02/10	12:45	15.17	14.68
ZZZZZZ	WW95559.D	11/02/10	13:16	15.16	14.67
ZZZZZZ	WW95560.D	11/02/10	13:54	15.15	14.66
OP46386-MB2	WW95561.D	11/02/10	14:24	15.15	14.66
OP46386-BS2	WW95562.D	11/02/10	14:46	15.11	14.61
ZZZZZZ	WW95563.D	11/02/10	15:17	15.17	14.67
JA58900-1	WW95564.D	11/02/10	15:50	15.14	14.65
ZZZZZZ	WW95564.D	11/02/10	15:50	15.14	14.65
JA58900-2	WW95565.D	11/02/10	16:25	15.15	14.66
ZZZZZZ	WW95565.D	11/02/10	16:25	15.15	14.66

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.6

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3344-CC3143

Injection Date: 11/03/10

Lab File ID: WW95574.D

Injection Time: 09:57

Instrument ID: GCWW

Method: SW846 8151

S1^a S1^b
RT RT

Check Std	15.13	14.63
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46386-MB4	WW95575.D	11/03/10	10:28	15.18	14.68
OP46386-BS4	WW95576.D	11/03/10	10:58	15.13	14.63
OP46386-LB8	WW95577.D	11/03/10	11:33	15.20	14.70
ZZZZZZ	WW95578.D	11/03/10	11:50	15.19	14.69
ZZZZZZ	WW95579.D	11/03/10	12:24	15.19	14.70
JA58900-4	WW95580.D	11/03/10	12:57	15.14	14.64
ZZZZZZ	WW95580.D	11/03/10	12:57	15.14	14.64
JA58900-10	WW95581.D	11/03/10	13:31	15.14	14.65
ZZZZZZ	WW95581.D	11/03/10	13:31	15.14	14.65
JA58900-11	WW95582.D	11/03/10	14:03	15.15	14.66
ZZZZZZ	WW95582.D	11/03/10	14:03	15.15	14.66
GWW3344-ECC3143	WW95585.D	11/03/10	14:30	15.13	14.64

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.7
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWW3346-CC3143	Injection Date:	11/03/10
Lab File ID:	WW95596.D	Injection Time:	17:27
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.12	14.62
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46489-MB1	WW95598.D	11/03/10	18:26	15.18	14.69
OP46489-BS1	WW95599.D	11/03/10	19:10	15.12	14.63
OP46489-MS	WW95600.D	11/03/10	19:27	15.12	14.63
OP46489-MSD	WW95601.D	11/03/10	20:00	15.12	14.63
JA59744-2	WW95602.D	11/03/10	20:41	15.15	14.65
JA58900-12	WW95603.D	11/03/10	21:01	15.17	14.68
ZZZZZZ	WW95603.D	11/03/10	21:01	15.17	14.68
JA58900-14	WW95604.D	11/03/10	21:33	15.16	14.66
ZZZZZZ	WW95604.D	11/03/10	21:33	15.16	14.66
ZZZZZZ	WW95605.D	11/03/10	22:06	15.18	14.69
ZZZZZZ	WW95606.D	11/03/10	22:40	15.14	14.65

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.8
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GWW3346-CC3143

Injection Date: 11/04/10

Lab File ID: WW95607.D

Injection Time: 00:08

Instrument ID: GCWW

Method: SW846 8151

S1^a **S1^b**
RT **RT**

Check Std	15.14	14.64
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
JA58900-1	WW95610.D	11/04/10	01:52	15.16	14.66
JA58900-2	WW95611.D	11/04/10	02:14	15.17	14.68
JA58900-7	WW95612.D	11/04/10	02:48	15.15	14.65
JA58900-8	WW95613.D	11/04/10	03:20	15.17	14.67
JA58900-9	WW95614.D	11/04/10	03:51	15.17	14.68
ZZZZZZ	WW95615.D	11/04/10	04:25	15.11	14.62
ZZZZZZ	WW95616.D	11/04/10	05:00	15.16	14.66
ZZZZZZ	WW95617.D	11/04/10	05:20	15.16	14.67

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.9
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3346-CC3143	Injection Date:	11/04/10
Lab File ID:	WW95618.D	Injection Time:	06:54
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.13	14.63
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
ZZZZZZ	WW95620.D	11/04/10	07:55	15.16	14.66
ZZZZZZ	WW95621.D	11/04/10	08:33	15.15	14.65
JA58900-11	WW95622.D	11/04/10	08:57	15.17	14.67
ZZZZZZ	WW95623.D	11/04/10	09:30	15.19	14.70
JA58900-3	WW95626.D	11/04/10	11:02	15.17	14.68
JA58900-4	WW95627.D	11/04/10	11:32	15.17	14.68
JA58900-10	WW95628.D	11/04/10	12:08	15.17	14.67
GWV3346-ECC3143	WW95629.D	11/04/10	13:43	15.14	14.64

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.10

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWV3348-CC3143	Injection Date:	11/04/10
Lab File ID:	WW95642.D	Injection Time:	19:41
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.13	14.64
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
JA58900-12	WW95644.D	11/04/10	20:43	15.18	14.68
JA58900-14	WW95645.D	11/04/10	21:14	15.17	14.68
OP46489-MB2	WW95646.D	11/04/10	21:35	15.22	14.72
OP46489-BS2	WW95647.D	11/04/10	22:11	15.13	14.64
ZZZZZZ	WW95648.D	11/04/10	22:44	15.10	14.61
OP46519-LB6	WW95649.D	11/04/10	23:19	15.22	14.73
OP46520-LB6	WW95649.D	11/04/10	23:19	15.22	14.73
ZZZZZZ	WW95650.D	11/04/10	23:39	15.18	14.68
OP46386-LB9	WW95651.D	11/05/10	00:12	15.22	14.71
OP46519-LB10	WW95652.D	11/05/10	00:46	15.23	14.73

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.11
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GWW3356-CC3143	Injection Date:	11/12/10
Lab File ID:	WW95883.D	Injection Time:	11:13
Instrument ID:	GCWW	Method:	SW846 8151

S1 ^a	S1 ^b
RT	RT

Check Std	15.12	14.62
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
OP46441-MB1	WW95885.D	11/12/10	12:04	15.17	14.68
OP46441-BS1	WW95886.D	11/12/10	12:34	15.11	14.62
OP46441-MS	WW95887.D	11/12/10	13:07	15.11	14.61
OP46441-MSD	WW95888.D	11/12/10	13:36	15.11	14.62
ZZZZZZ	WW95889.D	11/12/10	14:09	15.14	14.63
ZZZZZZ	WW95890.D	11/12/10	14:41	0.00	0.00

Surrogate Compounds

S1 = 2,4-DCAA

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.12
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G1G2122-CC2096

Injection Date: 10/26/10

Lab File ID: 1G58163.D

Injection Time: 16:18

Instrument ID: GC1G

Method: SW846 8081A

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	1.97	2.29	8.64	10.27

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46336-MB1	1G58166.D	10/26/10	17:19	1.97	2.30	8.64	10.27
OP46336-BS1	1G58167.D	10/26/10	17:35	1.97	2.29	8.64	10.27
ZZZZZZ	1G58168.D	10/26/10	17:50	1.97	2.29	8.64	10.27
OP46290-LB20	1G58169.D	10/26/10	18:05	1.97	2.29	8.64	10.27
OP46345-LB21	1G58170.D	10/26/10	18:20	1.97	2.30	8.64	10.27
OP46260-MB1	1G58171.D	10/26/10	18:35	1.97	2.29	8.64	10.27
OP46260-BS1	1G58172.D	10/26/10	18:51	1.97	2.29	8.64	10.27
JA58965-2	1G58173.D	10/26/10	19:06	1.97	2.29	8.64	10.27

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.13

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G1G2122-CC2096

Injection Date: 10/26/10

Lab File ID: 1G58174.D

Injection Time: 19:36

Instrument ID: GC1G

Method: SW846 8081A

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	1.97	2.29	8.64	10.27

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46260-MS	1G58176.D	10/26/10	20:07	1.97	2.29	8.64	10.27
OP46260-MSD	1G58177.D	10/26/10	20:22	1.97	2.30	8.64	10.27
JA58900-5	1G58178.D	10/26/10	20:37	1.97	2.29	8.64	10.27
ZZZZZZ	1G58178.D	10/26/10	20:37	1.97	2.29	8.64	10.27
JA58900-6	1G58179.D	10/26/10	20:53	1.97	2.29	8.64	10.27
ZZZZZZ	1G58179.D	10/26/10	20:53	1.97	2.29	8.64	10.27
ZZZZZZ	1G58180.D	10/26/10	21:08	1.98	2.30	8.64	10.27
ZZZZZZ	1G58181.D	10/26/10	21:23	1.97	2.30	8.64	10.27
G1G2122-ECC2096	1G58182.D	10/26/10	21:53	1.97	2.29	8.64	10.27

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.14

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G4G24-CC19	Injection Date:	10/27/10
Lab File ID:	4G781.D	Injection Time:	12:29
Instrument ID:	GC4G	Method:	SW846 8081A

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	1.98	2.34	8.73	10.40

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46373-MB1	4G782.D	10/27/10	12:46	1.99	2.34	8.74	10.40
OP46373-BS1	4G783.D	10/27/10	13:00	1.98	2.34	8.73	10.40
ZZZZZZ	4G784.D	10/27/10	13:13	1.98	2.34	8.72	10.40
JA59693-1	4G785.D	10/27/10	13:26	1.98	2.34	8.72	10.40
ZZZZZZ	4G786.D	10/27/10	13:40	1.98	2.34	8.72	10.40
ZZZZZZ	4G787.D	10/27/10	13:53	0.00	0.00	0.00	0.00
ZZZZZZ	4G788.D	10/27/10	14:07	1.98	2.34	8.72	10.40
ZZZZZZ	4G789.D	10/27/10	14:20	1.98	2.34	8.72	10.40
ZZZZZZ	4G790.D	10/27/10	14:33	1.99	2.35	8.73	10.40
ZZZZZZ	4G791.D	10/27/10	15:00	1.99	2.34	8.74	10.40

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.15
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G27-CC19

Injection Date: 11/01/10

Lab File ID: 4G927.D

Injection Time: 12:34

Instrument ID: GC4G

Method: SW846 8081A

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	1.98	2.34	8.72	10.39

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46455-MB1	4G929.D	11/01/10	14:05	1.99	2.33	8.74	10.39
OP46373-MS	4G931.D	11/01/10	14:31	1.98	2.33	8.72	10.39
OP46373-MSD	4G932.D	11/01/10	14:45	1.98	2.34	8.72	10.39
JA58900-3	4G933.D	11/01/10	14:58	1.98	2.34	8.72	10.39
ZZZZZZ	4G933.D	11/01/10	14:58	1.98	2.34	8.72	10.39
ZZZZZZ	4G934.D	11/01/10	15:16	1.99	2.33	8.73	10.39
ZZZZZZ	4G935.D	11/01/10	15:30	1.98	2.34	8.72	10.38
ZZZZZZ	4G936.D	11/01/10	15:43	1.98	2.34	8.72	10.39
ZZZZZZ	4G937.D	11/01/10	15:57	1.98	2.34	8.72	10.39
JA58900-1	4G941.D	11/01/10	17:23	1.98	2.34	8.71	10.38
ZZZZZZ	4G941.D	11/01/10	17:23	1.98	2.34	8.71	10.38
JA58900-2	4G942.D	11/01/10	17:37	1.98	2.33	8.71	10.38
ZZZZZZ	4G942.D	11/01/10	17:37	1.98	2.33	8.71	10.38
JA58900-4	4G943.D	11/01/10	17:50	1.98	2.33	8.72	10.38
ZZZZZZ	4G943.D	11/01/10	17:50	1.98	2.33	8.72	10.38
JA58900-7	4G944.D	11/01/10	18:04	1.98	2.33	8.71	10.38
ZZZZZZ	4G944.D	11/01/10	18:04	1.98	2.33	8.71	10.38
JA58900-8	4G945.D	11/01/10	18:17	1.97	2.33	8.71	10.38
ZZZZZZ	4G945.D	11/01/10	18:17	1.97	2.33	8.71	10.38
JA58900-9	4G946.D	11/01/10	18:30	1.98	2.33	8.71	10.38
ZZZZZZ	4G946.D	11/01/10	18:30	1.98	2.33	8.71	10.38
JA58900-12	4G947.D	11/01/10	18:44	1.98	2.33	8.71	10.38
ZZZZZZ	4G947.D	11/01/10	18:44	1.98	2.33	8.71	10.38
JA58900-14	4G948.D	11/01/10	18:57	1.98	2.34	8.72	10.38
ZZZZZZ	4G948.D	11/01/10	18:57	1.98	2.34	8.72	10.38

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.16



9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G4G29-CC19

Lab File ID: 4G1013.D

Instrument ID: GC4G

Injection Date: 11/03/10

Injection Time: 09:25

Method: SW846 8081A

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	1.98	2.33	8.71	10.37

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
ZZZZZZ	4G1017.D	11/03/10	10:28	1.98	2.33	8.71	10.37
JA58900-10	4G1018.D	11/03/10	10:42	1.98	2.33	8.71	10.37
ZZZZZZ	4G1018.D	11/03/10	10:42	1.98	2.33	8.71	10.37
JA58900-11	4G1019.D	11/03/10	10:55	1.98	2.33	8.71	10.37
ZZZZZZ	4G1019.D	11/03/10	10:55	1.98	2.33	8.71	10.37
ZZZZZZ	4G1020.D	11/03/10	11:17	1.99	2.33	8.73	10.38
ZZZZZZ	4G1021.D	11/03/10	11:31	1.98	2.33	8.71	10.38
ZZZZZZ	4G1022.D	11/03/10	11:44	1.98	2.33	8.71	10.37
ZZZZZZ	4G1023.D	11/03/10	11:57	1.98	2.33	8.71	10.37

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.17
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G3G1847-CC1826	Injection Date:	10/20/10
Lab File ID:	3G50143.D	Injection Time:	11:29
Instrument ID:	GC3G	Method:	SW846 8082

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	2.32	2.18	9.04	9.26

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46259-MB1	3G50145.D	10/20/10	11:59	2.32	2.18	9.04	9.26
OP46259-BS1	3G50146.D	10/20/10	12:14	2.32	2.18	9.04	9.26
JA58684-4	3G50147.D	10/20/10	12:29	2.32	2.18	9.04	9.25
ZZZZZZ	3G50148.D	10/20/10	12:44	2.32	2.18	9.04	9.25
OP46248-MB1	3G50149.D	10/20/10	14:07	2.32	2.17	9.04	9.25
ZZZZZZ	3G50150.D	10/20/10	14:20	2.32	2.18	9.04	9.25
ZZZZZZ	3G50151.D	10/20/10	14:34	2.32	2.18	9.04	9.26
ZZZZZZ	3G50152.D	10/20/10	14:49	2.32	2.18	9.04	9.26
ZZZZZZ	3G50153.D	10/20/10	15:02	2.32	2.18	9.04	9.25

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.18

9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	G3G1848-CC1826	Injection Date:	10/21/10
Lab File ID:	3G50187.D	Injection Time:	12:25
Instrument ID:	GC3G	Method:	SW846 8082

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	2.32	2.18	9.05	9.26

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46276-MB1	3G50188.D	10/21/10	13:34	2.32	2.18	9.05	9.25
OP46276-BS1	3G50189.D	10/21/10	13:50	2.32	2.18	9.05	9.26
ZZZZZZ	3G50190.D	10/21/10	14:05	2.32	2.18	9.04	9.25
OP46259-MS	3G50192.D	10/21/10	14:35	2.32	2.18	9.04	9.25
OP46259-MSD	3G50193.D	10/21/10	14:50	2.32	2.18	9.04	9.25
JA59086-1	3G50194.D	10/21/10	15:05	2.32	2.18	9.04	9.25
ZZZZZZ	3G50195.D	10/21/10	15:18	2.33	2.18	9.05	9.26
ZZZZZZ	3G50196.D	10/21/10	15:33	2.33	2.19	9.05	9.26

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.19



GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: G3G1849-CC1826

Injection Date: 10/22/10

Lab File ID: 3G50210.D

Injection Time: 14:31

Instrument ID: GC3G

Method: SW846 8082

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	2.29	2.14	9.02	9.23

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46276-MS	3G50212.D	10/22/10	15:07	2.29	2.15	9.01	9.22
OP46276-MSD	3G50213.D	10/22/10	15:23	2.29	2.15	9.01	9.22
JA59265-1	3G50214.D	10/22/10	15:38	2.29	2.15	9.01	9.22
ZZZZZZ	3G50215.D	10/22/10	15:53	2.29	2.15	9.01	9.22
JA58900-5	3G50216.D	10/22/10	16:08	2.29	2.15	9.01	9.23
JA58900-6	3G50217.D	10/22/10	16:23	2.29	2.15	9.01	9.22
G3G1849-ECC1826	3G50218.D	10/22/10	16:39	2.29	2.15	9.01	9.23

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.20
9

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	GEF4072-CC4061	Injection Date:	10/28/10
Lab File ID:	EF93906.D	Injection Time:	13:54
Instrument ID:	GCEF	Method:	SW846 8082

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	3.21	3.16	11.62	12.09

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
OP46374-MB1	EF93908.D	10/28/10	14:31	3.20	3.16	11.61	12.09
OP46374-BS1	EF93909.D	10/28/10	14:49	3.20	3.16	11.61	12.09
ZZZZZZ	EF93910.D	10/28/10	15:06	3.20	3.15	11.61	12.09
OP46374-MS	EF93911.D	10/28/10	15:23	3.20	3.15	11.61	12.09
OP46374-MSD	EF93912.D	10/28/10	15:41	3.20	3.15	11.61	12.09
JA58900-3	EF93913.D	10/28/10	15:58	3.20	3.15	11.61	12.08
JA58900-1	EF93914.D	10/28/10	16:15	3.20	3.15	11.61	12.09
ZZZZZZ	EF93915.D	10/28/10	16:34	3.20	3.16	11.61	12.09

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.21



GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GEF4072-CC4061

Injection Date: 10/28/10

Lab File ID: EF93917.D

Injection Time: 17:11

Instrument ID: GCEF

Method: SW846 8082

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	3.20	3.15	11.61	12.08

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
JA58900-2	EF93919.D	10/28/10	17:45	3.20	3.15	11.61	12.08
JA58900-4	EF93920.D	10/28/10	18:02	3.19	3.14	11.61	12.08
JA58900-7	EF93921.D	10/28/10	18:20	3.19	3.15	11.61	12.08
JA58900-8	EF93922.D	10/28/10	18:37	3.19	3.14	11.61	12.08
JA58900-9	EF93923.D	10/28/10	18:54	3.19	3.14	11.60	12.08
JA58900-10	EF93924.D	10/28/10	19:12	3.18	3.14	11.61	12.08
JA58900-11	EF93925.D	10/28/10	19:29	3.20	3.15	11.61	12.08
JA58900-12	EF93926.D	10/28/10	19:46	3.19	3.15	11.60	12.08
JA58900-14	EF93927.D	10/28/10	20:04	3.18	3.13	11.60	12.08

Surrogate Compounds

S1 = Tetrachloro-m-xylene

S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

9.7.22

9

Initial Calibration Summary

Page 1 of 2

Job Number: JA58900
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G1G2096-ICC2096
Lab FileID: 1G56963.D

Response Factor Report GC1G

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Sep 22 08:41:02 2010
Response via : Initial Calibration

Calibration Files

2 =1G56960.D 5 =1G56961.D 10 =1G56962.D 25 =1G56963.D
50 =1G56964.D 100 =1G56965.D 1 =1G56959.D

Compound	2	5	10	25	50	100	1	Avg	%RSD
1)SABTetrachloro-m-xyl	2.287	2.286	2.238	2.007	2.169	2.341	2.080	2.201 E7	5.54
2) Hexachlorobenzene	4.839	4.371	4.332	4.149	4.079	4.533	5.059	4.481 E7	8.00
3)A alpha-BHC	3.743	3.603	3.806	3.964	4.140	4.830	3.684	3.967 E7	10.61
4)MAGamma-BHC	3.426	3.284	3.473	3.556	3.685	4.295	3.366	3.584 E7	9.47
5)MAHeptachlor	3.831	3.658	3.882	3.838	3.960	4.554	3.806	3.933 E7	7.35
6)B beta-BHC	1.731	1.553	1.593	1.499	1.539	1.667	1.711	1.613 E7	5.60
7)B delta-BHC	2.512	2.435	2.612	2.712	2.892	3.499	2.467	2.733 E7	13.65
8)MBAldrin	3.610	3.445	3.718	3.660	3.762	4.335	3.709	3.748 E7	7.44
9)B Heptachlor Epoxid	3.462	3.277	3.453	3.383	3.465	3.937	3.526	3.500 E7	5.95
10)B gamma-Chlordane	3.484	3.225	3.439	3.394	3.495	4.067	3.613	3.531 E7	7.48
11)B alpha-Chlordane	3.381	3.155	3.274	3.299	3.362	3.880	3.373	3.389 E7	6.79
12)A Endosulfan I	3.570	3.187	3.379	3.291	3.332	3.776	3.658	3.456 E7	6.22
13)B 4,4'-DDE	3.389	3.156	3.394	3.356	3.447	3.984	3.452	3.454 E7	7.35
14)MADieldrin	3.530	3.332	3.579	3.537	3.604	4.106	3.554	3.606 E7	6.59
15)MAEndrin	3.080	2.942	3.109	3.009	3.078	3.585	3.143	3.135 E7	6.67
16)A 4,4'-DDD	2.591	2.460	2.592	2.644	2.717	3.138	2.682	2.689 E7	7.97
17)B Endosulfan II	3.023	2.853	2.994	2.947	2.956	3.364	3.181	3.046 E7	5.65
18)MA4,4'-DDT	2.177	2.182	2.278	2.388	2.477	2.882	2.288	2.382 E7	10.29
19)B Endrin Aldehyde	2.684	2.418	2.478	2.481	2.510	2.781	2.689	2.577 E7	5.36
20)B Endosulfan Sulfat	1.886	1.845	1.935	1.978	1.982	2.276	2.153	2.008 E7	7.63
21)A Methoxychlor	1.315	1.209	1.270	1.242	1.244	1.329	1.425	1.291 E7	5.65
22) Mirex	2.454	2.238	2.239	2.184	2.098	2.299	2.518	2.290 E7	6.48
23)B Endrin Ketone	2.688	2.582	2.699	2.689	2.699	3.037	2.750	2.735 E7	5.21
24)L8Toxaphene{A}					4.919			4.919 E5	0.00
25)L8Toxaphene{B}					1.187			1.187 E6	0.00
26)L8Toxaphene{C}					9.519			9.519 E5	0.00
27)L8Toxaphene{D}					9.137			9.137 E5	0.00
28)L8Toxaphene{E}					7.472			7.472 E5	0.00
29) Chlordane {A}					1.999			1.999 E6	0.00
30) Chlordane {B}					1.283			1.283 E6	0.00
31) Chlordane {C}					4.679			4.679 E6	0.00
32) Chlordane {D}					7.815			7.815 E6	0.00
33) Chlordane {E}					1.094			1.094 E6	0.00
34)SADecachlorobipheny	3.344	3.051	3.090	2.951	2.892	3.222	3.468	3.146 E7	6.66

Signal #2

1)SABTetrachloro-m-xyl	7.091	7.018	6.866	6.917	7.285	8.209	6.878	7.181 E6	6.64
2) Hexachlorobenzene	9.873	9.018	9.099	9.010	8.818	9.698	9.912	9.347 E6	4.94
3)A alpha-BHC	0.816	0.810	0.902	0.991	1.038	1.207	0.756	0.931 E7	17.03
4)MAGamma-BHC	0.787	0.768	0.843	0.906	0.938	1.083	0.759	0.869 E7	13.40
5)MAHeptachlor	0.866	0.805	0.865	0.906	0.924	1.047	0.850	0.895 E7	8.67
6)B beta-BHC	4.596	4.283	4.370	4.305	4.221	4.709	4.575	4.437 E6	4.22
7)B delta-BHC	5.359	5.308	5.928	6.545	6.946	8.370	5.090	6.221 E6	18.78
8)MBAldrin	0.772	0.739	0.817	0.869	0.895	1.023	0.736	0.836 E7	12.31
9)B Heptachlor Epoxid	7.724	7.318	7.777	8.156	8.269	9.341	7.572	8.022 E6	8.31
10)B gamma-Chlordane	7.851	7.421	7.937	8.296	8.382	9.593	7.605	8.155 E6	8.84

9.8.1 9

Initial Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G1G2096-ICC2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G56963.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

11)B alpha-Chlordane	7.874	7.309	7.747	8.012	8.100	9.200	7.802	8.006	E6	7.29
12)A Endosulfan I	7.332	6.802	7.211	7.497	7.589	8.608	7.341	7.483	E6	7.44
13)B 4,4'-DDE	7.076	6.781	7.435	8.013	8.250	9.473	6.872	7.700	E6	12.47
14)MADieldrin	7.500	7.068	7.682	8.179	8.205	9.385	7.254	7.896	E6	9.94
15)MAEndrin	6.572	6.157	6.564	6.717	6.855	8.081	6.561	6.787	E6	8.98
16)A 4,4'-DDD	5.843	5.517	5.954	6.353	6.554	7.578	5.782	6.226	E6	11.11
17)B Endosulfan II	6.626	6.170	6.520	6.748	6.872	7.853	6.611	6.771	E6	7.75
18)MA4,4'-DDT	4.805	4.712	5.189	5.518	5.746	6.741	4.608	5.331	E6	14.12
19)B Endrin Aldehyde	5.947	5.445	5.661	5.789	5.862	6.559	6.428	5.956	E6	6.76
20)B Endosulfan Sulfat	4.522	4.251	4.436	4.505	4.594	5.355	4.625	4.613	E6	7.58
21)A Methoxychlor	3.034	2.867	2.965	2.857	2.886	3.195	3.023	2.975	E6	4.06
22) Mirex	6.070	5.485	5.411	5.186	5.003	5.493	6.156	5.543	E6	7.71
23)B Endrin Ketone	5.904	5.588	5.918	6.055	6.118	6.958	6.011	6.079	E6	6.97
24)L8Toxaphene{A}					1.397			1.397	E5	0.00
25)L8Toxaphene{B}					1.854			1.854	E5	0.00
26)L8Toxaphene{C}					3.704			3.704	E5	0.00
27)L8Toxaphene{D}					1.962			1.962	E5	0.00
28)L8Toxaphene{E}					1.487			1.487	E5	0.00
29) Chlordane {A}					4.764			4.764	E5	0.00
30) Chlordane {B}					2.748			2.748	E5	0.00
31) Chlordane {C}					1.029			1.029	E6	0.00
32) Chlordane {D}					1.826			1.826	E6	0.00
33) Chlordane {E}					2.329			2.329	E5	0.00
34)SADecachlorobipheny	5.973	5.474	5.467	5.172	4.966	5.396	6.268	5.531	E6	8.12

(#) = Out of Range

1PST2096.M

Wed Sep 22 08:41:37 2010

RPT1

9.8.1

9

Initial Calibration Verification

Page 1 of 2

Job Number: JA58900

Sample: G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G56968.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2096\1G56968.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\1G2096\1G56968.D\ECD2B.CH
 Acq On : 9-21-10 08:07:45 PM Operator: owenm
 Sample : icv2096-25 Inst : GC1G
 Misc : op45718,glg2096,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Sep 22 08:41:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	RT	Window
1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene			-----NA-----				
3 A alpha-BHC	39.673	40.193 E6	-1.3	101	0.00	2.30-	2.36
4 MA gamma-BHC	35.837	36.727 E6	-2.5	103	0.00	2.53-	2.59
5 MA Heptachlor	39.327	38.870 E6	1.2	101	0.00	2.93-	2.99
6 B beta-BHC	16.133	15.253 E6	5.5	102	0.00	2.59-	2.65
7 B delta-BHC	27.326	29.525 E6	-8.0	109	0.00	2.75-	2.81
8 MB Aldrin	37.484	37.677 E6	-0.5	103	0.00	3.21-	3.28
9 B Heptachlor Epoxide	35.004	34.783 E6	0.6	103	0.00	3.84-	3.91
10 B gamma-Chlordane	35.309	34.856 E6	1.3	103	0.00	3.98-	4.05
11 B alpha-Chlordane	33.891	33.850 E6	0.1	103	0.00	4.12-	4.22
12 A Endosulfan I	34.562	33.934 E6	1.8	103	0.00	4.29-	4.38
13 B 4,4'-DDE	34.538	34.151 E6	1.1	102	0.00	4.23-	4.30
14 MA Dieldrin	36.061	36.304 E6	-0.7	103	0.00	4.60-	4.67
15 MA Endrin	31.351	31.505 E6	-0.5	105	0.00	4.89-	4.99
16 A 4,4'-DDD	26.892	27.271 E6	-1.4	103	0.00	4.99-	5.10
17 B Endosulfan II	30.456	30.306 E6	0.5	103	0.00	5.19-	5.29
18 MA 4,4'-DDT	23.817	23.864 E6	-0.2	100	0.00	5.39-	5.49
19 B Endrin Aldehyde	25.772	25.231 E6	2.1	102	0.00	5.79-	5.89
20 B Endosulfan Sulfate	20.080	20.750 E6	-3.3	105	0.00	6.45-	6.54
21 A Methoxychlor	12.906	12.521 E6	3.0	101	0.00	6.16-	6.23
22 Mirex			-----NA-----				
23 B Endrin Ketone	27.349	27.295 E6	0.2	102	0.00	6.87-	6.98
24 L8 Toxaphene{A}			-----NA-----				
25 L8 Toxaphene{B}			-----NA-----				
26 L8 Toxaphene{C}			-----NA-----				
27 L8 Toxaphene{D}			-----NA-----				
28 L8 Toxaphene{E}			-----NA-----				
29 Chlordane {A}			-----NA-----				
30 Chlordane {B}			-----NA-----				
31 Chlordane {C}			-----NA-----				
32 Chlordane {D}			-----NA-----				
33 Chlordane {E}			-----NA-----				
34 SA Decachlorobiphenyl			-----NA-----				

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene			-----NA-----				
3 A alpha-BHC	9.313	10.002 E6	-7.4	101	0.00	2.78-	2.84
4 MA gamma-BHC	8.692	9.234 E6	-6.2	102	0.00	3.11-	3.17

Initial Calibration Verification

Page 2 of 2

Job Number: JA58900

Sample:

G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID:

1G56968.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	8.947	9.011	E6	-0.7	99	0.00	3.60-	3.66
6	B	beta-BHC	4.437	4.346	E6	2.1	101	0.00	3.18-	3.24
7	B	delta-BHC	6.221	6.854	E6	-10.2	105	0.00	3.50-	3.56
8	MB	Aldrin	8.357	8.796	E6	-5.3	101	0.00	3.99-	4.05
9	B	Heptachlor Epoxide	8.022	8.229	E6	-2.6	101	0.00	4.70-	4.76
10	B	gamma-Chlordane	8.155	8.357	E6	-2.5	101	0.00	4.96-	5.02
11	B	alpha-Chlordane	8.006	8.087	E6	-1.0	101	0.00	5.16-	5.22
12	A	Endosulfan I	7.483	7.578	E6	-1.3	101	0.00	5.25-	5.31
13	B	4,4'-DDE	7.700	8.018	E6	-4.1	100	0.00	5.41-	5.47
14	MA	Dieldrin	7.896	8.173	E6	-3.5	100	0.00	5.64-	5.70
15	MA	Endrin	6.787	6.969	E6	-2.7	104	0.00	6.10-	6.16
16	A	4,4'-DDD	6.226	6.298	E6	-1.2	99	0.00	6.29-	6.35
17	B	Endosulfan II	6.771	6.889	E6	-1.7	102	0.00	6.43-	6.48
18	MA	4,4'-DDT	5.331	5.357	E6	-0.5	97	0.00	6.79-	6.85
19	B	Endrin Aldehyde	5.956	5.695	E6	4.4	98	0.00	6.96-	7.02
20	B	Endosulfan Sulfate	4.613	4.696	E6	-1.8	104	0.00	7.42-	7.48
21	A	Methoxychlor	2.975	2.847	E6	4.3	100	0.00	7.96-	8.02
22		Mirex				-----NA-----				
23	B	Endrin Ketone	6.079	6.036	E6	0.7	100	0.00	8.31-	8.38
24	L8	Toxaphene{A}				-----NA-----				
25	L8	Toxaphene{B}				-----NA-----				
26	L8	Toxaphene{C}				-----NA-----				
27	L8	Toxaphene{D}				-----NA-----				
28	L8	Toxaphene{E}				-----NA-----				
29		Chlordane {A}				-----NA-----				
30		Chlordane {B}				-----NA-----				
31		Chlordane {C}				-----NA-----				
32		Chlordane {D}				-----NA-----				
33		Chlordane {E}				-----NA-----				
34	SA	Decachlorobiphenyl				-----NA-----				

(#) = Out of Range

1G56963.D 1PST2096.M

SPCC's out = 0 CCC's out = 0

Wed Sep 22 08:42:27 2010 RPT1

9.8.2

9

Initial Calibration Verification

Page 1 of 2

Job Number: JA58900

Sample: G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G56969.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2096\1G56969.D\ECD1A.CH Vial: 13
 Signal #2 : C:\MSDCHEM\1\DATA\1G2096\1G56969.D\ECD2B.CH
 Acq On : 9-21-10 08:22:38 PM Operator: owenm
 Sample : icv2096-25 Inst : GC1G
 Misc : op45718,glg2096,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Sep 22 08:41:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene	44.806	39.226 E6	12.5	95	0.00	2.19-	2.25
3 A alpha-BHC			-----NA-----				
4 MA gamma-BHC			-----NA-----				
5 MA Heptachlor			-----NA-----				
6 B beta-BHC			-----NA-----				
7 B delta-BHC			-----NA-----				
8 MB Aldrin			-----NA-----				
9 B Heptachlor Epoxide			-----NA-----				
10 B gamma-Chlordane			-----NA-----				
11 B alpha-Chlordane			-----NA-----				
12 A Endosulfan I			-----NA-----				
13 B 4,4'-DDE			-----NA-----				
14 MA Dieldrin			-----NA-----				
15 MA Endrin			-----NA-----				
16 A 4,4'-DDD			-----NA-----				
17 B Endosulfan II			-----NA-----				
18 MA 4,4'-DDT			-----NA-----				
19 B Endrin Aldehyde			-----NA-----				
20 B Endosulfan Sulfate			-----NA-----				
21 A Methoxychlor			-----NA-----				
22 Mirex			-----NA-----				
23 B Endrin Ketone			-----NA-----				
24 L8 Toxaphene{A}			-----NA-----				
25 L8 Toxaphene{B}			-----NA-----				
26 L8 Toxaphene{C}			-----NA-----				
27 L8 Toxaphene{D}			-----NA-----				
28 L8 Toxaphene{E}			-----NA-----				
29 Chlordane {A}			-----NA-----				
30 Chlordane {B}			-----NA-----				
31 Chlordane {C}			-----NA-----				
32 Chlordane {D}			-----NA-----				
33 Chlordane {E}			-----NA-----				
34 SA Decachlorobiphenyl			-----NA-----				

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene	9.347	8.389 E6	10.2	93	0.00	2.67-	2.73
3 A alpha-BHC			-----NA-----				
4 MA gamma-BHC			-----NA-----				

9.8.3

9

Initial Calibration Verification

Page 2 of 2

Job Number: JA58900

Sample:

G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID:

1G56969.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	-----NA-----
6	B	beta-BHC	-----NA-----
7	B	delta-BHC	-----NA-----
8	MB	Aldrin	-----NA-----
9	B	Heptachlor Epoxide	-----NA-----
10	B	gamma-Chlordane	-----NA-----
11	B	alpha-Chlordane	-----NA-----
12	A	Endosulfan I	-----NA-----
13	B	4,4'-DDE	-----NA-----
14	MA	Dieldrin	-----NA-----
15	MA	Endrin	-----NA-----
16	A	4,4'-DDD	-----NA-----
17	B	Endosulfan II	-----NA-----
18	MA	4,4'-DDT	-----NA-----
19	B	Endrin Aldehyde	-----NA-----
20	B	Endosulfan Sulfate	-----NA-----
21	A	Methoxychlor	-----NA-----
22		Mirex	-----NA-----
23	B	Endrin Ketone	-----NA-----
24	L8	Toxaphene{A}	-----NA-----
25	L8	Toxaphene{B}	-----NA-----
26	L8	Toxaphene{C}	-----NA-----
27	L8	Toxaphene{D}	-----NA-----
28	L8	Toxaphene{E}	-----NA-----
29		Chlordane {A}	-----NA-----
30		Chlordane {B}	-----NA-----
31		Chlordane {C}	-----NA-----
32		Chlordane {D}	-----NA-----
33		Chlordane {E}	-----NA-----
34	SA	Decachlorobiphenyl	-----NA-----

(#) = Out of Range

1G56963.D 1PST2096.M

SPCC's out = 0 CCC's out = 0

Wed Sep 22 08:42:27 2010 RPT1

9.8.3
9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G56970.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2096\1G56970.D\ECD1A.CH Vial: 14
 Signal #2 : C:\MSDCHEM\1\DATA\1G2096\1G56970.D\ECD2B.CH
 Acq On : 9-21-10 08:37:38 PM Operator: owenm
 Sample : icv2096-500 Inst : GC1G
 Misc : op45718,glg2096,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Sep 22 08:41:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
24 L8 Toxaphene{A}	491.891	483.860 E3	1.6	98	0.00	4.66-	4.86
25 L8 Toxaphene{B}	1.187	1.200 E6	-1.1	101	0.00	5.13-	5.33
26 L8 Toxaphene{C}	951.946	942.953 E3	0.9	99	0.00	5.30-	5.50
27 L8 Toxaphene{D}	913.693	787.052 E3	13.9	86	0.00	5.62-	5.82
28 L8 Toxaphene{E}	747.246	561.175 E3	24.9#	75	0.00	6.24-	6.44
29 Toxaphene total	4.292	3.975 E6	7.4	92			

***** Signal #2 *****

24 L8 Toxaphene{A}	139.672	153.854 E3	-10.2	110	0.00	5.54-	5.74
25 L8 Toxaphene{B}	185.394	172.520 E3	6.9	93	0.00	6.34-	6.54
26 L8 Toxaphene{C}	370.377	299.903 E3	19.0#	81	0.00	6.49-	6.69
27 L8 Toxaphene{D}	196.250	155.025 E3	21.0#	79	0.00	6.92-	7.12
28 L8 Toxaphene{E}	148.739	110.887 E3	25.4#	75	0.00	7.76-	7.96
29 Toxaphene total	1.040	0.892 E6	14.2	85			

(#) = Out of Range
 1G56964.D 1PST2096.M

SPCC's out = 0 CCC's out = 0
 Wed Sep 22 09:42:27 2010 RPT1

9.8.4
9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: G1G2096-ICV2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G56971.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2096\1G56971.D\ECD1A.CH Vial: 15
 Signal #2 : C:\MSDCHEM\1\DATA\1G2096\1G56971.D\ECD2B.CH
 Acq On : 9-21-10 08:52:31 PM Operator: owenm
 Sample : icv2096-500 Inst : GC1G
 Misc : op45718,glg2096,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Sep 22 08:41:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
29	Chlordane {A}	1.999	1.660 E6	17.0#	83	0.00	2.86- 3.06
30	Chlordane {B}	1.283	1.230 E6	4.1	96	0.00	3.27- 3.47
31	Chlordane {C}	4.679	4.190 E6	10.5	90	0.00	3.92- 4.12
32	Chlordane {D}	7.815	6.617 E6	15.3#	85	0.00	4.06- 4.26
33	Chlordane {E}	1.094	0.973 E6	11.1	89	0.00	5.05- 5.25
34	Chlordane total	16.870	14.670 E6	13.0	87		

***** Signal #2 *****

29	Chlordane {A}	476.374	397.344 E3	16.6#	83	0.00	3.53- 3.73
30	Chlordane {B}	274.836	289.081 E3	-5.2	105	0.00	4.08- 4.28
31	Chlordane {C}	1.029	0.954 E6	7.3	93	0.00	4.89- 5.09
32	Chlordane {D}	1.826	1.561 E6	14.5	85	0.07	5.09- 5.29
33	Chlordane {E}	232.932	232.036 E3	0.4	100	0.00	6.43- 6.63
34	Chlordane total	3.839	3.433 E6	10.6	89		

(#) = Out of Range
 1G56964.D 1PST2096.M

SPCC's out = 0 CCC's out = 0
 Wed Sep 22 09:40:22 2010 RPT1

9.8.5
6

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G1G2122-CC2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G58163.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58163.D\ECD1A.CH Vial: 21
 Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58163.D\ECD2B.CH
 Acq On : 10-26-10 04:18:34 PM Operator: owenm
 Sample : cc2096-10 Inst : GC1G
 Misc : op46336,g1g2122,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Oct 20 16:45:53 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	SAB Tetrachloro-m-xylene	22.011	20.760 E6	5.7	93	0.00	1.94-	2.00
2	Hexachlorobenzene	44.806	38.355 E6	14.4	89	0.00	2.18-	2.24
3	A alpha-BHC	39.673	44.397 E6	-11.9	117	0.00	2.29-	2.35
4	MA gamma-BHC	35.837	40.140 E6	-12.0	116	0.00	2.52-	2.58
5	MA Heptachlor	39.327	43.342 E6	-10.2	112	0.00	2.91-	2.97
6	B beta-BHC	16.133	16.743 E6	-3.8	105	0.00	2.58-	2.64
7	B delta-BHC	27.326	32.982 E6	-20.7#	126	0.00	2.73-	2.79
8	MB Aldrin	37.484	41.420 E6	-10.5	111	0.00	3.19-	3.26
9	B Heptachlor Epoxide	35.004	38.713 E6	-10.6	112	0.00	3.81-	3.88
10	B gamma-Chlordane	35.309	37.749 E6	-6.9	110	0.00	3.95-	4.02
11	B alpha-Chlordane	33.891	35.287 E6	-4.1	108	0.00	4.09-	4.20
12	A Endosulfan I	34.562	37.592 E6	-8.8	111	0.00	4.26-	4.35
13	B 4,4'-DDE	34.538	36.989 E6	-7.1	109	0.00	4.20-	4.27
14	MA Dieldrin	36.061	39.832 E6	-10.5	111	0.00	4.57-	4.64
15	MA Endrin	31.351	37.819 E6	-20.6#	122	0.00	4.85-	4.96
16	A 4,4'-DDD	26.892	28.442 E6	-5.8	110	0.00	4.96-	5.07
17	B Endosulfan II	30.456	33.589 E6	-10.3	112	0.00	5.15-	5.26
18	MA 4,4'-DDT	23.817	27.929 E6	-17.3#	123	0.00	5.35-	5.46
19	B Endrin Aldehyde	25.772	26.833 E6	-4.1	108	0.00	5.75-	5.85
20	B Endosulfan Sulfate	20.080	24.171 E6	-20.4#	125	0.00	6.41-	6.50
21	A Methoxychlor	12.906	15.598 E6	-20.9#	123	0.00	6.12-	6.19
22	Mirex	22.900	24.413 E6	-6.6	109	0.00	6.23-	6.32
23	B Endrin Ketone	27.349	33.527 E6	-22.6#	124	0.00	6.83-	6.94
24	L8 Toxaphene{A}			-----NA-----				
25	L8 Toxaphene{B}			-----NA-----				
26	L8 Toxaphene{C}			-----NA-----				
27	L8 Toxaphene{D}			-----NA-----				
28	L8 Toxaphene{E}			-----NA-----				
29	Chlordane {A}			-----NA-----				
30	Chlordane {B}			-----NA-----				
31	Chlordane {C}			-----NA-----				
32	Chlordane {D}			-----NA-----				
33	Chlordane {E}			-----NA-----				
34	SA Decachlorobiphenyl	31.456	31.546 E6	-0.3	102	0.00	8.60-	8.67

***** Signal #2 *****

1	SAB Tetrachloro-m-xylene	7.181	7.162 E6	0.3	104	0.00	2.26-	2.32
2	Hexachlorobenzene	9.347	8.727 E6	6.6	96	0.00	2.64-	2.70
3	A alpha-BHC	9.313	9.375 E6	-0.7	104	0.00	2.74-	2.80
4	MA gamma-BHC	8.692	8.698 E6	-0.1	103	0.00	3.07-	3.13

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample:

G1G2122-CC2096

Account: ENSRMAA AECOM, INC.

Lab FileID:

1G58163.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	8.947	8.952 E6	-0.1	104	0.00	3.55- 3.61
6	B	beta-BHC	4.437	4.230 E6	4.7	97	0.00	3.13- 3.19
7	B	delta-BHC	6.221	6.754 E6	-8.6	114	0.00	3.45- 3.51
8	MB	Aldrin	8.357	8.206 E6	1.8	100	0.00	3.93- 3.99
9	B	Heptachlor Epoxide	8.022	7.827 E6	2.4	101	-0.01	4.64- 4.70
10	B	gamma-Chlordane	8.155	7.807 E6	4.3	98	-0.01	4.89- 4.95
11	B	alpha-Chlordane	8.006	7.674 E6	4.1	99	-0.01	5.10- 5.16
12	A	Endosulfan I	7.483	7.169 E6	4.2	99	-0.01	5.17- 5.23
13	B	4,4'-DDE	7.700	7.225 E6	6.2	97	-0.01	5.34- 5.40
14	MA	Dieldrin	7.896	7.526 E6	4.7	98	-0.01	5.57- 5.63
15	MA	Endrin	6.787	7.023 E6	-3.5	107	-0.01	6.02- 6.08
16	A	4,4'-DDD	6.226	5.673 E6	8.9	95	-0.01	6.21- 6.27
17	B	Endosulfan II	6.771	6.538 E6	3.4	100	-0.01	6.34- 6.40
18	MA	4,4'-DDT	5.331	5.502 E6	-3.2	106	-0.01	6.71- 6.77
19	B	Endrin Aldehyde	5.956	5.243 E6	12.0	93	-0.02	6.88- 6.94
20	B	Endosulfan Sulfate	4.613	4.878 E6	-5.7	110	-0.02	7.34- 7.40
21	A	Methoxychlor	2.975	3.095 E6	-4.0	104	-0.01	7.88- 7.94
22		Mirex	5.543	5.123 E6	7.6	95	-0.02	8.16- 8.22
23	B	Endrin Ketone	6.079	6.262 E6	-3.0	106	-0.02	8.21- 8.28
24	L8	Toxaphene{A}					-----NA-----	
25	L8	Toxaphene{B}					-----NA-----	
26	L8	Toxaphene{C}					-----NA-----	
27	L8	Toxaphene{D}					-----NA-----	
28	L8	Toxaphene{E}					-----NA-----	
29		Chlordane {A}					-----NA-----	
30		Chlordane {B}					-----NA-----	
31		Chlordane {C}					-----NA-----	
32		Chlordane {D}					-----NA-----	
33		Chlordane {E}					-----NA-----	
34	SA	Decachlorobiphenyl	5.531	4.902 E6	11.4	90	-0.01	10.24-10.30

(#) = Out of Range

1G56962.D 1PST2096.M

SPCC's out = 0 CCC's out = 0

Tue Oct 26 16:33:43 2010 RPT1

9.86
6

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G1G2122-CC2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G58174.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58174.D\ECD1A.CH Vial: 32
 Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58174.D\ECD2B.CH
 Acq On : 10-26-10 07:36:50 PM Operator: owenm
 Sample : cc2096-25 Inst : GC1G
 Misc : op46260,glg2122,50,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Oct 20 16:45:53 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene	22.011	22.316 E6	-1.4	111	0.00	1.94	2.00
2 Hexachlorobenzene	44.806	37.140 E6	17.1#	90	0.00	2.18	2.24
3 A alpha-BHC	39.673	42.931 E6	-8.2	108	0.00	2.29	2.35
4 MA gamma-BHC	35.837	38.129 E6	-6.4	107	0.00	2.52	2.58
5 MA Heptachlor	39.327	40.567 E6	-3.2	106	0.00	2.91	2.97
6 B beta-BHC	16.133	16.814 E6	-4.2	112	0.00	2.58	2.64
7 B delta-BHC	27.326	29.961 E6	-9.6	110	0.00	2.73	2.79
8 MB Aldrin	37.484	39.572 E6	-5.6	108	0.00	3.19	3.26
9 B Heptachlor Epoxide	35.004	36.769 E6	-5.0	109	0.00	3.82	3.89
10 B gamma-Chlordane	35.309	36.321 E6	-2.9	107	0.00	3.96	4.03
11 B alpha-Chlordane	33.891	35.058 E6	-3.4	106	0.00	4.09	4.20
12 A Endosulfan I	34.562	36.601 E6	-5.9	111	0.00	4.26	4.36
13 B 4,4'-DDE	34.538	34.296 E6	0.7	102	0.00	4.21	4.28
14 MA Dieldrin	36.061	38.256 E6	-6.1	108	0.00	4.57	4.64
15 MA Endrin	31.351	34.777 E6	-10.9	116	0.00	4.85	4.96
16 A 4,4'-DDD	26.892	26.667 E6	0.8	101	0.00	4.97	5.07
17 B Endosulfan II	30.456	31.246 E6	-2.6	106	0.00	5.16	5.26
18 MA 4,4'-DDT	23.817	25.363 E6	-6.5	106	0.00	5.35	5.46
19 B Endrin Aldehyde	25.772	26.122 E6	-1.4	105	0.00	5.75	5.86
20 B Endosulfan Sulfate	20.080	20.364 E6	-1.4	103	0.00	6.41	6.50
21 A Methoxychlor	12.906	12.315 E6	4.6	99	0.00	6.13	6.20
22 Mirex	22.900	24.090 E6	-5.2	110	0.00	6.24	6.32
23 B Endrin Ketone	27.349	29.539 E6	-8.0	110	0.00	6.83	6.94
24 L8 Toxaphene{A}			-----NA-----				
25 L8 Toxaphene{B}			-----NA-----				
26 L8 Toxaphene{C}			-----NA-----				
27 L8 Toxaphene{D}			-----NA-----				
28 L8 Toxaphene{E}			-----NA-----				
29 Chlordane {A}			-----NA-----				
30 Chlordane {B}			-----NA-----				
31 Chlordane {C}			-----NA-----				
32 Chlordane {D}			-----NA-----				
33 Chlordane {E}			-----NA-----				
34 SA Decachlorobiphenyl	31.456	30.097 E6	4.3	102	0.00	8.61	8.68

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	7.181	7.539 E6	-5.0	109	0.00	2.26	2.32
2 Hexachlorobenzene	9.347	8.895 E6	4.8	99	0.00	2.64	2.70
3 A alpha-BHC	9.313	10.166 E6	-9.2	103	0.00	2.74	2.80
4 MA gamma-BHC	8.692	9.281 E6	-6.8	102	0.00	3.07	3.13

9.8.7

9

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G1G2122-CC2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G58174.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	8.947	9.403	E6	-5.1	104	0.00	3.55- 3.61
6	B	beta-BHC	4.437	4.397	E6	0.9	102	0.00	3.14- 3.20
7	B	delta-BHC	6.221	6.675	E6	-7.3	102	0.00	3.45- 3.51
8	MB	Aldrin	8.357	8.968	E6	-7.3	103	0.00	3.93- 3.99
9	B	Heptachlor Epoxide	8.022	8.504	E6	-6.0	104	0.00	4.64- 4.70
10	B	gamma-Chlordane	8.155	8.565	E6	-5.0	103	0.00	4.90- 4.96
11	B	alpha-Chlordane	8.006	8.223	E6	-2.7	103	0.00	5.10- 5.16
12	A	Endosulfan I	7.483	7.759	E6	-3.7	103	0.00	5.18- 5.24
13	B	4,4'-DDE	7.700	8.017	E6	-4.1	100	0.00	5.34- 5.40
14	MA	Dieldrin	7.896	8.437	E6	-6.9	103	-0.01	5.57- 5.63
15	MA	Endrin	6.787	7.414	E6	-9.2	110	-0.01	6.02- 6.08
16	A	4,4'-DDD	6.226	5.939	E6	4.6	93	-0.01	6.21- 6.27
17	B	Endosulfan II	6.771	6.950	E6	-2.6	103	-0.01	6.35- 6.41
18	MA	4,4'-DDT	5.331	5.544	E6	-4.0	100	-0.01	6.71- 6.77
19	B	Endrin Aldehyde	5.956	5.598	E6	6.0	97	-0.01	6.88- 6.94
20	B	Endosulfan Sulfate	4.613	4.277	E6	7.3	95	-0.01	7.34- 7.40
21	A	Methoxychlor	2.975	2.940	E6	1.2	103	-0.01	7.88- 7.94
22		Mirex	5.543	5.266	E6	5.0	102	-0.02	8.16- 8.22
23	B	Endrin Ketone	6.079	5.989	E6	1.5	99	-0.01	8.22- 8.28
24	L8	Toxaphene{A}							-----NA-----
25	L8	Toxaphene{B}							-----NA-----
26	L8	Toxaphene{C}							-----NA-----
27	L8	Toxaphene{D}							-----NA-----
28	L8	Toxaphene{E}							-----NA-----
29		Chlordane {A}							-----NA-----
30		Chlordane {B}							-----NA-----
31		Chlordane {C}							-----NA-----
32		Chlordane {D}							-----NA-----
33		Chlordane {E}							-----NA-----
34	SA	Decachlorobiphenyl	5.531	5.002	E6	9.6	97	0.00	10.24-10.30

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

1G57951.D 1PST2096.M

Wed Oct 27 08:22:03 2010 RPT1

9.8.7
9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G1G2122-ECC2096

Account: ENSRMAA AECOM, INC.

Lab FileID: 1G58182.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58182.D\ECD1A.CH Vial: 40
 Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58182.D\ECD2B.CH
 Acq On : 10-26-10 09:53:52 PM Operator: owenm
 Sample : ecc2096-10 Inst : GC1G
 Misc : op46336,g1g2122,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
 Title : PEST/PCB
 Last Update : Wed Oct 20 16:45:53 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB Tetrachloro-m-xylene	22.011	23.076 E6	-4.8	103	0.00	1.94- 2.00
2	Hexachlorobenzene	44.806	39.931 E6	10.9	92	0.00	2.18- 2.24
3	A alpha-BHC	39.673	45.160 E6	-13.8	119	0.00	2.29- 2.35
4	MA gamma-BHC	35.837	39.989 E6	-11.6	115	0.00	2.52- 2.58
5	MA Heptachlor	39.327	42.212 E6	-7.3	109	0.00	2.91- 2.97
6	B beta-BHC	16.133	17.315 E6	-7.3	109	0.00	2.58- 2.64
7	B delta-BHC	27.326	31.291 E6	-14.5	120	0.00	2.73- 2.79
8	MB Aldrin	37.484	42.456 E6	-13.3	114	0.00	3.19- 3.26
9	B Heptachlor Epoxide	35.004	39.817 E6	-13.7	115	0.00	3.82- 3.89
10	B gamma-Chlordane	35.309	39.331 E6	-11.4	114	0.00	3.96- 4.03
11	B alpha-Chlordane	33.891	37.907 E6	-11.8	116	0.00	4.09- 4.20
12	A Endosulfan I	34.562	39.391 E6	-14.0	117	0.00	4.26- 4.36
13	B 4,4'-DDE	34.538	36.408 E6	-5.4	107	0.00	4.21- 4.28
14	MA Dieldrin	36.061	41.129 E6	-14.1	115	0.00	4.57- 4.64
15	MA Endrin	31.351	35.533 E6	-13.3	114	0.00	4.85- 4.96
16	A 4,4'-DDD	26.892	28.984 E6	-7.8	112	0.00	4.96- 5.07
17	B Endosulfan II	30.456	33.359 E6	-9.5	111	0.00	5.16- 5.26
18	MA 4,4'-DDT	23.817	21.383 E6	10.2	94	0.00	5.35- 5.46
19	B Endrin Aldehyde	25.772	27.957 E6	-8.5	113	0.00	5.75- 5.86
20	B Endosulfan Sulfate	20.080	21.197 E6	-5.6	110	0.00	6.41- 6.50
21	A Methoxychlor	12.906	11.174 E6	13.4	88	0.00	6.13- 6.20
22	Mirex	22.900	24.923 E6	-8.8	111	0.00	6.24- 6.32
23	B Endrin Ketone	27.349	32.001 E6	-17.0#	119	0.00	6.83- 6.94
24	L8 Toxaphene{A}			-----NA-----			
25	L8 Toxaphene{B}			-----NA-----			
26	L8 Toxaphene{C}			-----NA-----			
27	L8 Toxaphene{D}			-----NA-----			
28	L8 Toxaphene{E}			-----NA-----			
29	Chlordane {A}			-----NA-----			
30	Chlordane {B}			-----NA-----			
31	Chlordane {C}			-----NA-----			
32	Chlordane {D}			-----NA-----			
33	Chlordane {E}			-----NA-----			
34	SA Decachlorobiphenyl	31.456	31.509 E6	-0.2	102	0.00	8.61- 8.68
***** Signal #2 *****							
1	SAB Tetrachloro-m-xylene	7.181	7.903 E6	-10.1	115	0.00	2.26- 2.32
2	Hexachlorobenzene	9.347	9.392 E6	-0.5	103	0.00	2.64- 2.70
3	A alpha-BHC	9.313	9.809 E6	-5.3	109	0.00	2.74- 2.80
4	MA gamma-BHC	8.692	8.993 E6	-3.5	107	0.00	3.07- 3.13

9.8.8
6

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample:

G1G2122-ECC2096

Account: ENSRMAA AECOM, INC.

Lab FileID:

1G58182.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	8.947	8.759 E6	2.1	101	0.00	3.55- 3.61
6	B	beta-BHC	4.437	4.588 E6	-3.4	105	0.00	3.13- 3.19
7	B	delta-BHC	6.221	6.612 E6	-6.3	112	0.00	3.45- 3.51
8	MB	Aldrin	8.357	8.362 E6	-0.1	102	0.00	3.93- 3.99
9	B	Heptachlor Epoxide	8.022	8.213 E6	-2.4	106	0.00	4.64- 4.70
10	B	gamma-Chlordane	8.155	8.320 E6	-2.0	105	-0.01	4.89- 4.95
11	B	alpha-Chlordane	8.006	8.085 E6	-1.0	104	-0.01	5.10- 5.16
12	A	Endosulfan I	7.483	7.597 E6	-1.5	105	-0.01	5.18- 5.24
13	B	4,4'-DDE	7.700	7.550 E6	1.9	102	0.00	5.34- 5.40
14	MA	Dieldrin	7.896	8.102 E6	-2.6	105	-0.01	5.57- 5.63
15	MA	Endrin	6.787	6.883 E6	-1.4	105	-0.01	6.02- 6.08
16	A	4,4'-DDD	6.226	6.008 E6	3.5	101	-0.01	6.21- 6.27
17	B	Endosulfan II	6.771	6.906 E6	-2.0	106	-0.01	6.34- 6.40
18	MA	4,4'-DDT	5.331	4.404 E6	17.4#	85	-0.01	6.71- 6.77
19	B	Endrin Aldehyde	5.956	5.691 E6	4.4	101	-0.01	6.88- 6.94
20	B	Endosulfan Sulfate	4.613	4.315 E6	6.5	97	-0.01	7.34- 7.40
21	A	Methoxychlor	2.975	2.394 E6	19.5#	81	-0.01	7.88- 7.94
22		Mirex	5.543	5.245 E6	5.4	97	-0.02	8.16- 8.22
23	B	Endrin Ketone	6.079	6.039 E6	0.7	102	-0.02	8.22- 8.28
24	L8	Toxaphene{A}					-----NA-----	
25	L8	Toxaphene{B}					-----NA-----	
26	L8	Toxaphene{C}					-----NA-----	
27	L8	Toxaphene{D}					-----NA-----	
28	L8	Toxaphene{E}					-----NA-----	
29		Chlordane {A}					-----NA-----	
30		Chlordane {B}					-----NA-----	
31		Chlordane {C}					-----NA-----	
32		Chlordane {D}					-----NA-----	
33		Chlordane {E}					-----NA-----	
34	SA	Decachlorobiphenyl	5.531	5.982 E6	-8.2	109	0.00	10.24-10.30

(#) = Out of Range

1G56962.D 1PST2096.M

SPCC's out = 0 CCC's out = 0

Wed Oct 27 08:24:58 2010 RPT1

8'8"6

6

Initial Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G3G1826-ICC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G49429.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report GC3G

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)

Title :

Last Update : Mon Sep 27 11:38:08 2010

Response via : Initial Calibration

Calibration Files

50 =3G49426.D 250 =3G49427.D 500 =3G49428.D 1000=3G49429.D

2000 =3G49430.D 3000 =3G49431.D

	Compound	50	250	500	1000	2000	3000	Avg	%RSD
1) S	Tetrachloro-m-xylen	2.491	2.480	2.474	2.539	2.502	2.549	2.506 E7	1.26
2)	AR1221-A				1.620			1.620 E5	0.00
3)	AR1221-B				2.332			2.332 E5	0.00
4)	AR1221-C				7.303			7.303 E5	0.00
5)	AR1221-D				6.926			6.926 E4	0.00
6)	AR1221-E				1.084			1.084 E5	0.00
7)	AR1232-A				6.239			6.239 E5	0.00
8)	AR1232-B				4.213			4.213 E5	0.00
9)	AR1232-C				9.400			9.400 E5	0.00
10)	AR1232-D				3.436			3.436 E5	0.00
11)	AR1232-E				3.231			3.231 E5	0.00
12)	AR1242-A				7.339			7.339 E5	0.00
13)	AR1242-B				1.722			1.722 E6	0.00
14)	AR1242-C				6.353			6.353 E5	0.00
15)	AR1242-D				6.541			6.541 E5	0.00
16)	AR1242-E				5.754			5.754 E5	0.00
17)	AR1248-A				3.252			3.252 E5	0.00
18)	AR1248-B				9.172			9.172 E5	0.00
19)	AR1248-C				5.781			5.781 E5	0.00
20)	AR1248-D				1.029			1.029 E6	0.00
21)	AR1248-E				8.972			8.972 E5	0.00
22)	AR1248-F				1.058			1.058 E6	0.00
23)	AR1254-A				9.080			9.080 E5	0.00
24)	AR1254-B				1.194			1.194 E6	0.00
25)	AR1254-C				8.781			8.781 E5	0.00
26)	AR1254-D				1.587			1.587 E6	0.00
27)	AR1254-E				1.320			1.320 E6	0.00
28)	AR1254-F				1.108			1.108 E6	0.00
29)	AR1254-G				1.561			1.561 E6	0.00
30)	AR1016-A	5.468	4.965	4.723	4.699	4.521	4.580	4.826 E5	7.25
31)	AR1016-B	9.589	8.767	8.472	8.537	8.228	8.343	8.656 E5	5.69
32)	AR1016-C	2.130	2.000	1.979	2.016	1.951	1.946	2.004 E6	3.38
33)	AR1016-D	8.152	7.603	7.331	7.460	7.258	7.383	7.531 E5	4.33
34)	AR1016-E	8.014	7.738	7.539	7.646	7.429	7.601	7.661 E5	2.63
35)	AR1260-A	1.796	1.752	1.756	1.796	1.723	1.732	1.759 E6	1.76
36)	AR1260-B	1.910	1.899	1.763	1.900	1.804	1.927	1.867 E6	3.59
37)	AR1260-C	1.233	1.128	1.117	1.144	1.107	1.127	1.143 E6	4.00
38)	AR1260-D	2.903	2.887	2.886	2.943	2.782	2.779	2.863 E6	2.35
39)	AR1260-E	1.902	1.844	1.841	1.895	1.849	1.885	1.869 E6	1.48
40)	AR1262-A				1.314			1.314 E6	0.00
41)	AR1262-B				1.773			1.773 E6	0.00
42)	AR1262-C				1.531			1.531 E6	0.00
43)	AR1262-D				3.315			3.315 E6	0.00
44)	AR1262-E				1.342			1.342 E6	0.00
45)	AR1268-A				3.664			3.664 E6	0.00
46)	AR1268-B				4.216			4.216 E6	0.00
47)	AR1268-C				2.980			2.980 E6	0.00

Initial Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G3G1826-ICC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G49429.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

48)	AR1268-D				1.156				1.156 E6	0.00
49)	AR1268-E				8.152				8.152 E6	0.00
50) S	Decachlorobiphenyl	2.440	2.376	2.340	2.372	2.297	2.354	2.363	E7	2.01

Signal #2

1) S	Tetrachloro-m-xylene	1.824	1.879	1.831	1.857	1.816	1.858	1.844	E7	1.31
2)	AR1221-A				1.261			1.261	E5	0.00
3)	AR1221-B				1.609			1.609	E5	0.00
4)	AR1221-C				4.219			4.219	E5	0.00
5)	AR1221-D				6.132			6.132	E4	0.00
6)	AR1221-E				6.759			6.759	E4	0.00
7)	AR1232-A				3.835			3.835	E5	0.00
8)	AR1232-B				2.902			2.902	E5	0.00
9)	AR1232-C				5.899			5.899	E5	0.00
10)	AR1232-D				2.524			2.524	E5	0.00
11)	AR1232-E				1.557			1.557	E5	0.00
12)	AR1242-A				5.051			5.051	E5	0.00
13)	AR1242-B				1.082			1.082	E6	0.00
14)	AR1242-C				4.595			4.595	E5	0.00
15)	AR1242-D				3.186			3.186	E5	0.00
16)	AR1242-E				3.779			3.779	E5	0.00
17)	AR1248-A				2.320			2.320	E5	0.00
18)	AR1248-B				6.327			6.327	E5	0.00
19)	AR1248-C				3.901			3.901	E5	0.00
20)	AR1248-D				5.128			5.128	E5	0.00
21)	AR1248-E				6.156			6.156	E5	0.00
22)	AR1248-F				8.246			8.246	E5	0.00
23)	AR1254-A				9.028			9.028	E5	0.00
24)	AR1254-B				6.981			6.981	E5	0.00
25)	AR1254-C				5.458			5.458	E5	0.00
26)	AR1254-D				1.021			1.021	E6	0.00
27)	AR1254-E				7.264			7.264	E5	0.00
28)	AR1254-F				5.863			5.863	E5	0.00
29)	AR1254-G				1.033			1.033	E6	0.00
30)	AR1016-A	3.201	3.184	3.053	2.961	2.826	2.863	3.015	E5	5.27
31)	AR1016-B	6.521	6.136	5.836	5.808	5.600	5.696	5.933	E5	5.73
32)	AR1016-C	1.193	1.225	1.220	1.254	1.231	1.260	1.230	E6	1.98
33)	AR1016-D	5.651	5.616	5.454	5.383	5.154	5.267	5.421	E5	3.58
34)	AR1016-E	3.995	3.650	3.609	3.639	3.581	3.671	3.691	E5	4.14
35)	AR1260-A	9.078	8.947	8.350	8.837	8.478	8.940	8.772	E5	3.31
36)	AR1260-B	1.186	1.192	1.175	1.203	1.180	1.213	1.191	E6	1.22
37)	AR1260-C	7.432	6.944	6.843	7.013	6.885	7.093	7.035	E5	3.04
38)	AR1260-D	1.579	1.562	1.568	1.621	1.574	1.599	1.584	E6	1.41
39)	AR1260-E	1.107	1.043	1.043	1.079	1.058	1.092	1.070	E6	2.49
40)	AR1262-A				7.104			7.104	E5	0.00
41)	AR1262-B				1.020			1.020	E6	0.00
42)	AR1262-C				9.517			9.517	E5	0.00
43)	AR1262-D				1.972			1.972	E6	0.00
44)	AR1262-E				1.342			1.342	E6	0.00
45)	AR1268-A				2.161			2.161	E6	0.00
46)	AR1268-B				2.424			2.424	E6	0.00
47)	AR1268-C				1.674			1.674	E6	0.00
48)	AR1268-D				6.602			6.602	E5	0.00
49)	AR1268-E				4.800			4.800	E6	0.00
50) S	Decachlorobiphenyl	1.452	1.373	1.336	1.356	1.320	1.363	1.367	E7	3.37

(#) = Out of Range

PCB1826.M

Mon Sep 27 11:44:26 2010

GC3G

Initial Calibration Verification

Page 1 of 3

Job Number: JA58900

Sample: G3G1826-ICV1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G49432.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene			-----NA-----			
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1254-A			-----NA-----			
24	AR1254-B			-----NA-----			
25	AR1254-C			-----NA-----			
26	AR1254-D			-----NA-----			
27	AR1254-E			-----NA-----			
28	AR1254-F			-----NA-----			
29	AR1254-G			-----NA-----			
30	AR1016-A	482.617	468.002 E3	3.0	100	0.00	2.64- 2.70
31	AR1016-B	865.609	857.343 E3	1.0	100	0.00	3.02- 3.08
32	AR1016-C	2.004	2.010 E6	-0.3	100	0.00	3.55- 3.61
33	AR1016-D	753.110	740.240 E3	1.7	99	0.00	3.70- 3.76
34	AR1016-E	766.132	762.674 E3	0.5	100	0.00	4.17- 4.23
35	AR1260-A	1.759	1.774 E6	-0.9	99	0.00	6.03- 6.09
36	AR1260-B	1.867	1.914 E6	-2.5	101	0.00	6.38- 6.44
37	AR1260-C	1.143	1.172 E6	-2.5	102	0.00	6.84- 6.90
38	AR1260-D	2.863	3.053 E6	-6.6	104	0.00	7.24- 7.30
39	AR1260-E	1.869	1.925 E6	-3.0	102	0.00	7.60- 7.66
40	AR1262-A			-----NA-----			
41	AR1262-B			-----NA-----			

9.8.10

9

Initial Calibration Verification

Page 2 of 3

Job Number: JA58900

Sample: G3G1826-ICV1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G49432.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C	-----NA-----
43	AR1262-D	-----NA-----
44	AR1262-E	-----NA-----
45	AR1268-A	-----NA-----
46	AR1268-B	-----NA-----
47	AR1268-C	-----NA-----
48	AR1268-D	-----NA-----
49	AR1268-E	-----NA-----
50 S	Decachlorobiphenyl	-----NA-----

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	-----NA-----							
2	AR1221-A	-----NA-----							
3	AR1221-B	-----NA-----							
4	AR1221-C	-----NA-----							
5	AR1221-D	-----NA-----							
6	AR1221-E	-----NA-----							
7	AR1232-A	-----NA-----							
8	AR1232-B	-----NA-----							
9	AR1232-C	-----NA-----							
10	AR1232-D	-----NA-----							
11	AR1232-E	-----NA-----							
12	AR1242-A	-----NA-----							
13	AR1242-B	-----NA-----							
14	AR1242-C	-----NA-----							
15	AR1242-D	-----NA-----							
16	AR1242-E	-----NA-----							
17	AR1248-A	-----NA-----							
18	AR1248-B	-----NA-----							
19	AR1248-C	-----NA-----							
20	AR1248-D	-----NA-----							
21	AR1248-E	-----NA-----							
22	AR1248-F	-----NA-----							
23	AR1254-A	-----NA-----							
24	AR1254-B	-----NA-----							
25	AR1254-C	-----NA-----							
26	AR1254-D	-----NA-----							
27	AR1254-E	-----NA-----							
28	AR1254-F	-----NA-----							
29	AR1254-G	-----NA-----							
30	AR1016-A		301.470	299.854	E3	0.5	101	0.00	2.61- 2.67
31	AR1016-B		593.289	581.935	E3	1.9	100	0.00	3.02- 3.08
32	AR1016-C		1.230	1.246	E6	-1.3	99	0.00	3.53- 3.59
33	AR1016-D		542.084	538.650	E3	0.6	100	0.00	3.67- 3.73
34	AR1016-E		369.060	362.354	E3	1.8	100	0.00	4.21- 4.27
35	AR1260-A		877.166	899.295	E3	-2.5	102	0.00	6.04- 6.10
36	AR1260-B		1.191	1.174	E6	1.4	98	0.00	6.47- 6.53
37	AR1260-C		703.487	721.111	E3	-2.5	103	0.00	6.96- 7.02
38	AR1260-D		1.584	1.679	E6	-6.0	104	0.00	7.30- 7.36
39	AR1260-E		1.070	1.097	E6	-2.5	102	0.00	7.76- 7.82
40	AR1262-A	-----NA-----							
41	AR1262-B	-----NA-----							
42	AR1262-C	-----NA-----							
43	AR1262-D	-----NA-----							
44	AR1262-E	-----NA-----							
45	AR1268-A	-----NA-----							
46	AR1268-B	-----NA-----							
47	AR1268-C	-----NA-----							
48	AR1268-D	-----NA-----							

9.8.10 9

Initial Calibration Verification

Page 3 of 3

Job Number: JA58900

Sample: G3G1826-ICV1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G49432.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49	AR1268-E	-----NA-----
50 S	Decachlorobiphenyl	-----NA-----

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49429.D PCB1826.M

Mon Sep 27 11:44:25 2010 GC3G

9.8.10

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50143.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1847\3G50143.D\ECD1A.CH Vial: 12
 Signal #2 : C:\MSDCHEM\1\DATA\1847\3G50143.D\ECD2B.CH
 Acq On : 20 Oct 2010 11:29 am Operator: toyar
 Sample : cc1826-500 Inst : GC3G
 Misc : OP46259,g3g1847,1000,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 06 13:23:17 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	25.058	23.624 E6	5.7	96	0.00	2.29- 2.35
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1254-A			-----NA-----			
24	AR1254-B			-----NA-----			
25	AR1254-C			-----NA-----			
26	AR1254-D			-----NA-----			
27	AR1254-E			-----NA-----			
28	AR1254-F			-----NA-----			
29	AR1254-G			-----NA-----			
30	AR1016-A	482.617	447.796 E3	7.2	95	0.00	2.65- 2.71
31	AR1016-B	865.609	826.616 E3	4.5	98	0.00	3.02- 3.08
32	AR1016-C	2.004	1.841 E6	8.1	93	0.00	3.55- 3.61
33	AR1016-D	753.110	698.507 E3	7.3	95	0.00	3.70- 3.76
34	AR1016-E	766.132	742.223 E3	3.1	98	0.00	4.17- 4.23
35	AR1260-A	1.759	1.540 E6	12.5	88	0.00	6.02- 6.08
36	AR1260-B	1.867	1.712 E6	8.3	97	0.00	6.37- 6.43
37	AR1260-C	1.143	1.008 E6	11.8	90	0.00	6.83- 6.89
38	AR1260-D	2.863	2.898 E6	-1.2	100	0.00	7.23- 7.29
39	AR1260-E	1.869	1.588 E6	15.0	86	0.00	7.61- 7.67
40	AR1262-A			-----NA-----			
41	AR1262-B			-----NA-----			

9.8.11
9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50143.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								
49	AR1268-E								
50 S	Decachlorobiphenyl	23.633	20.937 E6	11.4	89	0.00	9.01-	9.07	

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	18.341 E6	0.5	100	0.00	2.15-	2.21	
2	AR1221-A								
3	AR1221-B								
4	AR1221-C								
5	AR1221-D								
6	AR1221-E								
7	AR1232-A								
8	AR1232-B								
9	AR1232-C								
10	AR1232-D								
11	AR1232-E								
12	AR1242-A								
13	AR1242-B								
14	AR1242-C								
15	AR1242-D								
16	AR1242-E								
17	AR1248-A								
18	AR1248-B								
19	AR1248-C								
20	AR1248-D								
21	AR1248-E								
22	AR1248-F								
23	AR1254-A								
24	AR1254-B								
25	AR1254-C								
26	AR1254-D								
27	AR1254-E								
28	AR1254-F								
29	AR1254-G								
30	AR1016-A	301.470	305.478 E3	-1.3	100	0.00	2.60-	2.66	
31	AR1016-B	593.289	606.571 E3	-2.2	104	-0.01	3.00-	3.06	
32	AR1016-C	1.230	1.200 E6	2.4	98	0.00	3.51-	3.57	
33	AR1016-D	542.084	603.754 E3	-11.4	111	0.00	3.66-	3.72	
34	AR1016-E	369.060	370.774 E3	-0.5	103	-0.01	4.19-	4.25	
35	AR1260-A	877.166	917.313 E3	-4.6	110	-0.01	6.01-	6.07	
36	AR1260-B	1.191	1.209 E6	-1.5	103	-0.01	6.45-	6.51	
37	AR1260-C	703.487	734.546 E3	-4.4	107	-0.02	6.93-	6.99	
38	AR1260-D	1.584	1.620 E6	-2.3	103	-0.01	7.28-	7.34	
39	AR1260-E	1.070	0.959 E6	10.4	92	-0.01	7.73-	7.79	
40	AR1262-A								
41	AR1262-B								
42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								

9.8.11

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50143.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49	AR1268-E					-----NA-----			
50 S	Decachlorobiphenyl	13.667	13.522 E6	1.1	101	-0.02	9.23-	9.29	

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49428.D PCB1826.M

Wed Oct 20 11:41:23 2010 GC3G

9.8.11

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50154.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1847\3G50154.D\ECD1A.CH Vial: 23
 Signal #2 : C:\MSDCHEM\1\DATA\1847\3G50154.D\ECD2B.CH
 Acq On : 10-20-2010 03:18:06 PM Operator: toyar
 Sample : cc1826-1000 Inst : GC3G
 Misc : OP46248,g3g1847,17.3,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 06 13:23:17 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 S	Tetrachloro-m-xylene	25.058	23.688 E6	5.5	93	0.00	2.29-	2.35
2	AR1221-A		-----NA-----					
3	AR1221-B		-----NA-----					
4	AR1221-C		-----NA-----					
5	AR1221-D		-----NA-----					
6	AR1221-E		-----NA-----					
7	AR1232-A		-----NA-----					
8	AR1232-B		-----NA-----					
9	AR1232-C		-----NA-----					
10	AR1232-D		-----NA-----					
11	AR1232-E		-----NA-----					
12	AR1242-A		-----NA-----					
13	AR1242-B		-----NA-----					
14	AR1242-C		-----NA-----					
15	AR1242-D		-----NA-----					
16	AR1242-E		-----NA-----					
17	AR1248-A		-----NA-----					
18	AR1248-B		-----NA-----					
19	AR1248-C		-----NA-----					
20	AR1248-D		-----NA-----					
21	AR1248-E		-----NA-----					
22	AR1248-F		-----NA-----					
23	AR1254-A		-----NA-----					
24	AR1254-B		-----NA-----					
25	AR1254-C		-----NA-----					
26	AR1254-D		-----NA-----					
27	AR1254-E		-----NA-----					
28	AR1254-F		-----NA-----					
29	AR1254-G		-----NA-----					
30	AR1016-A	482.617	436.520 E3	9.6	93	0.00	2.65-	2.71
31	AR1016-B	865.609	819.201 E3	5.4	96	0.00	3.02-	3.08
32	AR1016-C	2.004	1.881 E6	6.1	93	0.00	3.55-	3.61
33	AR1016-D	753.110	707.253 E3	6.1	95	0.00	3.70-	3.76
34	AR1016-E	766.132	750.108 E3	2.1	98	0.00	4.17-	4.23
35	AR1260-A	1.759	1.661 E6	5.6	92	0.00	6.02-	6.08
36	AR1260-B	1.867	1.802 E6	3.5	95	0.00	6.37-	6.43
37	AR1260-C	1.143	1.060 E6	7.3	93	0.00	6.83-	6.89
38	AR1260-D	2.863	3.013 E6	-5.2	102	0.00	7.23-	7.29
39	AR1260-E	1.869	1.708 E6	8.6	90	0.00	7.60-	7.66
40	AR1262-A		-----NA-----					
41	AR1262-B		-----NA-----					

9.8.12
9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50154.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								
49	AR1268-E								
50 S	Decachlorobiphenyl	23.633	22.524 E6	4.7	95	0.00	9.01-	9.07	

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	18.425 E6	0.1	99	0.00	2.15-	2.21	
2	AR1221-A								
3	AR1221-B								
4	AR1221-C								
5	AR1221-D								
6	AR1221-E								
7	AR1232-A								
8	AR1232-B								
9	AR1232-C								
10	AR1232-D								
11	AR1232-E								
12	AR1242-A								
13	AR1242-B								
14	AR1242-C								
15	AR1242-D								
16	AR1242-E								
17	AR1248-A								
18	AR1248-B								
19	AR1248-C								
20	AR1248-D								
21	AR1248-E								
22	AR1248-F								
23	AR1254-A								
24	AR1254-B								
25	AR1254-C								
26	AR1254-D								
27	AR1254-E								
28	AR1254-F								
29	AR1254-G								
30	AR1016-A	301.470	296.996 E3	1.5	100	0.00	2.60-	2.66	
31	AR1016-B	593.289	589.313 E3	0.7	101	-0.01	3.00-	3.06	
32	AR1016-C	1.230	1.208 E6	1.8	96	0.00	3.51-	3.57	
33	AR1016-D	542.084	575.411 E3	-6.1	107	0.00	3.66-	3.72	
34	AR1016-E	369.060	365.019 E3	1.1	100	-0.01	4.19-	4.25	
35	AR1260-A	877.166	922.837 E3	-5.2	104	-0.02	6.01-	6.07	
36	AR1260-B	1.191	1.259 E6	-5.7	105	-0.02	6.45-	6.51	
37	AR1260-C	703.487	745.146 E3	-5.9	106	-0.02	6.93-	6.99	
38	AR1260-D	1.584	1.713 E6	-8.1	106	-0.02	7.27-	7.33	
39	AR1260-E	1.070	1.000 E6	6.5	93	-0.02	7.73-	7.79	
40	AR1262-A								
41	AR1262-B								
42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								

9.8.12
9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: G3G1847-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50154.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49	AR1268-E					-----NA-----			
50 S	Decachlorobiphenyl	13.667	13.900 E6	-1.7	102	-0.02	9.23-	9.29	

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49429.D PCB1826.M

Wed Oct 20 15:30:33 2010 GC3G

9.8.12

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1848-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50187.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1848\3G50187.D\ECD1A.CH Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1848\3G50187.D\ECD2B.CH
Acq On : 21 Oct 2010 12:25 pm Operator: toyar
Sample : cc1826-1000 Inst : GC3G
Misc : OP46269,g3g1848,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 06 13:23:17 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	25.058	24.525 E6	2.1	97	0.00	2.29- 2.35
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1254-A			-----NA-----			
24	AR1254-B			-----NA-----			
25	AR1254-C			-----NA-----			
26	AR1254-D			-----NA-----			
27	AR1254-E			-----NA-----			
28	AR1254-F			-----NA-----			
29	AR1254-G			-----NA-----			
30	AR1016-A	482.617	436.806 E3	9.5	93	0.00	2.65- 2.71
31	AR1016-B	865.609	836.121 E3	3.4	98	0.00	3.02- 3.08
32	AR1016-C	2.004	1.900 E6	5.2	94	0.00	3.55- 3.61
33	AR1016-D	753.110	720.734 E3	4.3	97	0.00	3.70- 3.76
34	AR1016-E	766.132	761.530 E3	0.6	100	0.00	4.17- 4.23
35	AR1260-A	1.759	1.615 E6	8.2	90	0.00	6.02- 6.08
36	AR1260-B	1.867	1.805 E6	3.3	95	0.00	6.38- 6.44
37	AR1260-C	1.143	1.027 E6	10.1	90	0.00	6.83- 6.89
38	AR1260-D	2.863	3.213 E6	-12.2	109	0.00	7.24- 7.30
39	AR1260-E	1.869	1.712 E6	8.4	90	0.03	7.63- 7.69
40	AR1262-A			-----NA-----			
41	AR1262-B			-----NA-----			

9.8.13

9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: G3G1848-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50187.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								
49	AR1268-E								
50 S	Decachlorobiphenyl	23.633	24.185 E6	-2.3	102	0.00	9.02-	9.08	

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	18.485 E6	-0.2	100	0.00	2.15-	2.21	
2	AR1221-A								
3	AR1221-B								
4	AR1221-C								
5	AR1221-D								
6	AR1221-E								
7	AR1232-A								
8	AR1232-B								
9	AR1232-C								
10	AR1232-D								
11	AR1232-E								
12	AR1242-A								
13	AR1242-B								
14	AR1242-C								
15	AR1242-D								
16	AR1242-E								
17	AR1248-A								
18	AR1248-B								
19	AR1248-C								
20	AR1248-D								
21	AR1248-E								
22	AR1248-F								
23	AR1254-A								
24	AR1254-B								
25	AR1254-C								
26	AR1254-D								
27	AR1254-E								
28	AR1254-F								
29	AR1254-G								
30	AR1016-A	301.470	279.315 E3	7.3	94	0.00	2.60-	2.66	
31	AR1016-B	593.289	596.030 E3	-0.5	103	0.00	3.00-	3.06	
32	AR1016-C	1.230	1.187 E6	3.5	95	0.00	3.51-	3.57	
33	AR1016-D	542.084	585.724 E3	-8.1	109	0.00	3.66-	3.72	
34	AR1016-E	369.060	358.681 E3	2.8	99	-0.01	4.19-	4.25	
35	AR1260-A	877.166	902.880 E3	-2.9	102	-0.02	6.01-	6.07	
36	AR1260-B	1.191	1.192 E6	-0.1	99	-0.02	6.45-	6.51	
37	AR1260-C	703.487	744.606 E3	-5.8	106	-0.02	6.93-	6.99	
38	AR1260-D	1.584	1.635 E6	-3.2	101	-0.01	7.28-	7.34	
39	AR1260-E	1.070	0.885 E6	17.3#	82	-0.01	7.73-	7.79	
40	AR1262-A								
41	AR1262-B								
42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								

9.8.13

9

Page 3 of 3

Thu Oct 21 13:24:54 2010 GC3G

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1848-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50197.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1848\3G50197.D\ECD1A.CH Vial: 22
 Signal #2 : C:\MSDCHEM\1\DATA\1848\3G50197.D\ECD2B.CH
 Acq On : 10-21-2010 04:47:28 PM Operator: toyar
 Sample : cc1826-500 Inst : GC3G
 Misc : OP46276,g3g1848,1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Oct 06 13:23:17 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	25.058	22.365 E6	10.7	90	0.00	2.29- 2.35
2	AR1221-A		-----NA-----				
3	AR1221-B		-----NA-----				
4	AR1221-C		-----NA-----				
5	AR1221-D		-----NA-----				
6	AR1221-E		-----NA-----				
7	AR1232-A		-----NA-----				
8	AR1232-B		-----NA-----				
9	AR1232-C		-----NA-----				
10	AR1232-D		-----NA-----				
11	AR1232-E		-----NA-----				
12	AR1242-A		-----NA-----				
13	AR1242-B		-----NA-----				
14	AR1242-C		-----NA-----				
15	AR1242-D		-----NA-----				
16	AR1242-E		-----NA-----				
17	AR1248-A		-----NA-----				
18	AR1248-B		-----NA-----				
19	AR1248-C		-----NA-----				
20	AR1248-D		-----NA-----				
21	AR1248-E		-----NA-----				
22	AR1248-F		-----NA-----				
23	AR1254-A		-----NA-----				
24	AR1254-B		-----NA-----				
25	AR1254-C		-----NA-----				
26	AR1254-D		-----NA-----				
27	AR1254-E		-----NA-----				
28	AR1254-F		-----NA-----				
29	AR1254-G		-----NA-----				
30	AR1016-A	482.617	415.041 E3	14.0	88	0.00	2.65- 2.71
31	AR1016-B	865.609	772.860 E3	10.7	91	0.00	3.02- 3.08
32	AR1016-C	2.004	1.772 E6	11.6	90	0.00	3.54- 3.60
33	AR1016-D	753.110	665.232 E3	11.7	91	0.00	3.70- 3.76
34	AR1016-E	766.132	697.368 E3	9.0	92	0.00	4.17- 4.23
35	AR1260-A	1.759	1.486 E6	15.5#	85	0.00	6.02- 6.08
36	AR1260-B	1.867	1.664 E6	10.9	94	0.00	6.37- 6.43
37	AR1260-C	1.143	0.959 E6	16.1#	86	0.00	6.83- 6.89
38	AR1260-D	2.863	2.677 E6	6.5	93	0.00	7.24- 7.30
39	AR1260-E	1.869	1.522 E6	18.6#	83	0.02	7.62- 7.68
40	AR1262-A		-----NA-----				
41	AR1262-B		-----NA-----				

9.8.14

9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: G3G1848-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50197.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								
49	AR1268-E								
50 S	Decachlorobiphenyl	23.633	21.435 E6	9.3	92	0.00	9.02-	9.08	

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	17.714 E6	3.9	97	0.00	2.15-	2.21	
2	AR1221-A								
3	AR1221-B								
4	AR1221-C								
5	AR1221-D								
6	AR1221-E								
7	AR1232-A								
8	AR1232-B								
9	AR1232-C								
10	AR1232-D								
11	AR1232-E								
12	AR1242-A								
13	AR1242-B								
14	AR1242-C								
15	AR1242-D								
16	AR1242-E								
17	AR1248-A								
18	AR1248-B								
19	AR1248-C								
20	AR1248-D								
21	AR1248-E								
22	AR1248-F								
23	AR1254-A								
24	AR1254-B								
25	AR1254-C								
26	AR1254-D								
27	AR1254-E								
28	AR1254-F								
29	AR1254-G								
30	AR1016-A	301.470	293.479 E3	2.7	96	0.00	2.60-	2.66	
31	AR1016-B	593.289	577.872 E3	2.6	99	-0.01	3.00-	3.06	
32	AR1016-C	1.230	1.176 E6	4.4	96	0.00	3.51-	3.57	
33	AR1016-D	542.084	562.340 E3	-3.7	103	-0.01	3.66-	3.72	
34	AR1016-E	369.060	353.171 E3	4.3	98	-0.02	4.18-	4.24	
35	AR1260-A	877.166	907.347 E3	-3.4	109	-0.02	6.01-	6.07	
36	AR1260-B	1.191	1.207 E6	-1.3	103	-0.02	6.45-	6.51	
37	AR1260-C	703.487	746.299 E3	-6.1	109	-0.02	6.93-	6.99	
38	AR1260-D	1.584	1.643 E6	-3.7	105	-0.02	7.27-	7.33	
39	AR1260-E	1.070	0.925 E6	13.6	89	-0.02	7.73-	7.79	
40	AR1262-A								
41	AR1262-B								
42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								

9.8.14

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: G3G1848-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50197.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49	AR1268-E	-----NA-----						
50 S	Decachlorobiphenyl	13.667	13.409	E6	1.9	100	-0.02	9.23- 9.29

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49428.D PCB1826.M

Thu Oct 21 17:01:59 2010 GC3G

9.8.14

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1849-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50210.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1849\3G50210.D\ECD1A.CH Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\1849\3G50210.D\ECD2B.CH
Acq On : 10-22-2010 02:31:07 PM Operator: toyar
Sample : CC1826-500 Inst : GC3G
Misc : OP46248,g3g1849,1.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 06 13:23:17 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 S	Tetrachloro-m-xylene	25.058	21.937 E6	12.5	89	-0.03	2.26-	2.32
2	AR1221-A			-----NA-----				
3	AR1221-B			-----NA-----				
4	AR1221-C			-----NA-----				
5	AR1221-D			-----NA-----				
6	AR1221-E			-----NA-----				
7	AR1232-A			-----NA-----				
8	AR1232-B			-----NA-----				
9	AR1232-C			-----NA-----				
10	AR1232-D			-----NA-----				
11	AR1232-E			-----NA-----				
12	AR1242-A			-----NA-----				
13	AR1242-B			-----NA-----				
14	AR1242-C			-----NA-----				
15	AR1242-D			-----NA-----				
16	AR1242-E			-----NA-----				
17	AR1248-A			-----NA-----				
18	AR1248-B			-----NA-----				
19	AR1248-C			-----NA-----				
20	AR1248-D			-----NA-----				
21	AR1248-E			-----NA-----				
22	AR1248-F			-----NA-----				
23	AR1254-A			-----NA-----				
24	AR1254-B			-----NA-----				
25	AR1254-C			-----NA-----				
26	AR1254-D			-----NA-----				
27	AR1254-E			-----NA-----				
28	AR1254-F			-----NA-----				
29	AR1254-G			-----NA-----				
30	AR1016-A	482.617	416.266 E3	13.7	88	-0.03	2.62-	2.68
31	AR1016-B	865.609	764.201 E3	11.7	90	-0.03	2.99-	3.05
32	AR1016-C	2.004	1.737 E6	13.3	88	-0.03	3.52-	3.58
33	AR1016-D	753.110	654.640 E3	13.1	89	-0.03	3.67-	3.73
34	AR1016-E	766.132	688.963 E3	10.1	91	-0.03	4.14-	4.20
35	AR1260-A	1.759	1.637 E6	6.9	93	-0.03	5.99-	6.05
36	AR1260-B	1.867	1.712 E6	8.3	97	-0.03	6.35-	6.41
37	AR1260-C	1.143	1.054 E6	7.8	94	-0.03	6.80-	6.86
38	AR1260-D	2.863	3.077 E6	-7.5	107	-0.03	7.20-	7.26
39	AR1260-E	1.869	1.739 E6	7.0	94	-0.03	7.57-	7.63
40	AR1262-A			-----NA-----				
41	AR1262-B			-----NA-----				

9.8.15
9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: G3G1849-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50210.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								
49	AR1268-E								
50 S	Decachlorobiphenyl	23.633	22.960 E6	2.8	98	-0.03	8.99-	9.05	

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	17.575 E6	4.7	96	-0.04	2.11-	2.17	
2	AR1221-A								
3	AR1221-B								
4	AR1221-C								
5	AR1221-D								
6	AR1221-E								
7	AR1232-A								
8	AR1232-B								
9	AR1232-C								
10	AR1232-D								
11	AR1232-E								
12	AR1242-A								
13	AR1242-B								
14	AR1242-C								
15	AR1242-D								
16	AR1242-E								
17	AR1248-A								
18	AR1248-B								
19	AR1248-C								
20	AR1248-D								
21	AR1248-E								
22	AR1248-F								
23	AR1254-A								
24	AR1254-B								
25	AR1254-C								
26	AR1254-D								
27	AR1254-E								
28	AR1254-F								
29	AR1254-G								
30	AR1016-A	301.470	290.400 E3	3.7	95	-0.04	2.57-	2.63	
31	AR1016-B	593.289	566.787 E3	4.5	97	-0.04	2.97-	3.03	
32	AR1016-C	1.230	1.132 E6	8.0	93	-0.04	3.48-	3.54	
33	AR1016-D	542.084	558.852 E3	-3.1	102	-0.04	3.63-	3.69	
34	AR1016-E	369.060	346.136 E3	6.2	96	-0.04	4.16-	4.22	
35	AR1260-A	877.166	873.163 E3	0.5	105	-0.05	5.98-	6.04	
36	AR1260-B	1.191	1.217 E6	-2.2	104	-0.05	6.42-	6.48	
37	AR1260-C	703.487	762.784 E3	-8.4	111	-0.05	6.90-	6.96	
38	AR1260-D	1.584	1.670 E6	-5.4	107	-0.05	7.24-	7.30	
39	AR1260-E	1.070	0.985 E6	7.9	94	-0.05	7.70-	7.76	
40	AR1262-A								
41	AR1262-B								
42	AR1262-C								
43	AR1262-D								
44	AR1262-E								
45	AR1268-A								
46	AR1268-B								
47	AR1268-C								
48	AR1268-D								

9.8.15

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: G3G1849-CC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50210.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49	AR1268-E					-----NA-----			
50 S	Decachlorobiphenyl	13.667	14.180	E6	-3.8	106	-0.05	9.20-	9.26

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49428.D PCB1826.M

Fri Oct 22 16:12:49 2010 GC3G

9.8.15

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: G3G1849-ECC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50218.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1849\3G50218.D\ECD1A.CH Vial: 9
Acq On : 10-22-2010 04:39:05 PM Operator: toyar
Sample : ECC1826-1000 Inst : GC3G
Misc : OP46259,g3g1849,900,,,10,1 Multiplr: 1.00
IntFile : events.e

Data File : C:\MSDCHEM\1\DATA\1849\3G50218.D\ECD2B.CH Vial: 9
Acq On : 10-22-2010 04:39:06 PM Operator: toyar
Sample : ECC1826-1000 Inst : GC3G
Misc : OP46259,g3g1849,900,,,10,1 Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 06 13:23:17 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	25.058	23.152 E6	7.6	91	-0.03	2.26- 2.32
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1254-A			-----NA-----			
24	AR1254-B			-----NA-----			
25	AR1254-C			-----NA-----			
26	AR1254-D			-----NA-----			
27	AR1254-E			-----NA-----			
28	AR1254-F			-----NA-----			
29	AR1254-G			-----NA-----			
30	AR1016-A	482.617	420.880 E3	12.8	90	-0.03	2.62- 2.68
31	AR1016-B	865.609	787.795 E3	9.0	92	-0.03	2.99- 3.05
32	AR1016-C	2.004	1.825 E6	8.9	91	-0.03	3.52- 3.58
33	AR1016-D	753.110	681.608 E3	9.5	91	-0.03	3.67- 3.73
34	AR1016-E	766.132	714.328 E3	6.8	93	-0.03	4.14- 4.20
35	AR1260-A	1.759	1.676 E6	4.7	93	-0.03	5.99- 6.05
36	AR1260-B	1.867	1.659 E6	11.1	87	-0.03	6.34- 6.40

9.8.16
9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample:

G3G1849-ECC1826

Account: ENSRMAA AECOM, INC.

Lab FileID:

3G50218.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

37	AR1260-C	1.143	1.060 E6	7.3	93	-0.04	6.80- 6.86
38	AR1260-D	2.863	3.107 E6	-8.5	106	-0.04	7.20- 7.26
39	AR1260-E	1.869	1.794 E6	4.0	95	-0.03	7.57- 7.63
40	AR1262-A						
41	AR1262-B						
42	AR1262-C						
43	AR1262-D						
44	AR1262-E						
45	AR1268-A						
46	AR1268-B						
47	AR1268-C						
48	AR1268-D						
49	AR1268-E						
50 S	Decachlorobiphenyl	23.633	22.915 E6	3.0	97	-0.04	8.98- 9.04

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.440	18.007 E6	2.3	97	-0.04	2.12- 2.18
2	AR1221-A						
3	AR1221-B						
4	AR1221-C						
5	AR1221-D						
6	AR1221-E						
7	AR1232-A						
8	AR1232-B						
9	AR1232-C						
10	AR1232-D						
11	AR1232-E						
12	AR1242-A						
13	AR1242-B						
14	AR1242-C						
15	AR1242-D						
16	AR1242-E						
17	AR1248-A						
18	AR1248-B						
19	AR1248-C						
20	AR1248-D						
21	AR1248-E						
22	AR1248-F						
23	AR1254-A						
24	AR1254-B						
25	AR1254-C						
26	AR1254-D						
27	AR1254-E						
28	AR1254-F						
29	AR1254-G						
30	AR1016-A	301.470	291.115 E3	3.4	98	-0.04	2.57- 2.63
31	AR1016-B	593.289	573.878 E3	3.3	99	-0.04	2.97- 3.03
32	AR1016-C	1.230	1.193 E6	3.0	95	-0.04	3.48- 3.54
33	AR1016-D	542.084	561.054 E3	-3.5	104	-0.04	3.63- 3.69
34	AR1016-E	369.060	356.388 E3	3.4	98	-0.04	4.16- 4.22
35	AR1260-A	877.166	861.586 E3	1.8	98	-0.05	5.98- 6.04
36	AR1260-B	1.191	1.266 E6	-6.3	105	-0.05	6.42- 6.48
37	AR1260-C	703.487	738.371 E3	-5.0	105	-0.05	6.90- 6.96
38	AR1260-D	1.584	1.728 E6	-9.1	107	-0.05	7.24- 7.30
39	AR1260-E	1.070	1.031 E6	3.6	96	-0.05	7.70- 7.76
40	AR1262-A						
41	AR1262-B						
42	AR1262-C						
43	AR1262-D						

9.8.16 9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: G3G1849-ECC1826

Account: ENSRMAA AECOM, INC.

Lab FileID: 3G50218.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

44	AR1262-E	-----NA-----
45	AR1268-A	-----NA-----
46	AR1268-B	-----NA-----
47	AR1268-C	-----NA-----
48	AR1268-D	-----NA-----
49	AR1268-E	-----NA-----
50 S	Decachlorobiphenyl	13.667 14.099 E6 -3.2 104 -0.05 9.20- 9.26

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

3G49429.D PCB1826.M

Mon Oct 25 08:59:28 2010 GC3G

9.8.16

9

Initial Calibration Summary

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: G4G19-ICC19

Lab FileID: 4G596.D

Page 1 of 2

Response Factor Report GC4G

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Fri Oct 22 09:48:29 2010
Response via : Initial Calibration

Calibration Files

2 =4g593.D 5 =4g594.D 10 =4g595.D 25 =4g596.D
50 =4g597.D 100 =4g598.D 1 =4g592.D

Compound	2	5	10	25	50	100	1	Avg	%RSD
1) SABTetrachloro-m-xyl	3.351	3.154	3.395	3.199	3.252	3.878	3.110	3.334 E6	7.82
2) Hexachlorobenzene	4.296	3.937	4.150	3.811	3.761	4.404	4.228	4.084 E6	6.10
3)A alpha-BHC	4.293	4.137	4.679	4.642	4.883	6.082	4.200	4.702 E6	14.21
4)MAGamma-BHC	4.015	3.825	4.279	4.204	4.373	5.418	3.886	4.286 E6	12.57
5)MAHeptachlor	4.297	4.120	4.463	4.316	4.455	5.446	4.347	4.492 E6	9.70
6)B beta-BHC	2.302	2.023	2.123	1.949	1.909	2.265	2.230	2.114 E6	7.46
7)B delta-BHC	3.788	3.703	4.174	4.172	4.409	5.518	3.814	4.226 E6	14.79
8)MBAldrin	3.882	3.673	4.056	3.970	4.122	5.057	3.783	4.077 E6	11.25
9)B Heptachlor Epoxid	3.856	3.679	3.951	3.811	3.910	4.777	4.007	3.999 E6	8.98
10)B gamma-Chlordane	3.835	3.633	3.921	3.776	3.893	4.793	3.793	3.949 E6	9.72
11)B alpha-Chlordane	3.833	3.645	3.884	3.701	3.785	4.619	3.898	3.909 E6	8.35
12)A Endosulfan I	3.761	3.494	3.744	3.566	3.649	4.452	3.777	3.778 E6	8.36
13)B 4,4'-DDE	3.419	3.340	3.718	3.683	3.848	4.781	3.341	3.733 E6	13.49
14)MADieldrin	3.727	3.615	3.979	3.887	4.040	4.977	3.625	3.979 E6	11.83
15)MAEndrin	3.462	3.408	3.738	3.645	3.781	4.674	3.480	3.741 E6	11.65
16)A 4,4'-DDD	2.993	2.905	3.214	3.139	3.258	4.058	2.972	3.220 E6	12.18
17)B Endosulfan II	3.507	3.310	3.593	3.411	3.480	4.253	3.534	3.584 E6	8.61
18)MA4,4'-DDT	3.101	2.953	3.334	3.272	3.407	4.226	3.224	3.360 E6	12.22
19)B Endrin Aldehyde	3.103	2.837	3.052	2.843	2.891	3.521	4.031	3.183 E6	13.91
20)B Endosulfan Sulfat	3.292	3.159	3.400	3.179	3.221	3.897	3.346	3.356 E6	7.58
21)A Methoxychlor	1.924	1.773	1.944	1.771	1.754	2.058	1.891	1.874 E6	6.03
22) Mirex	3.226	2.933	3.052	2.725	2.655	3.108	3.241	2.992 E6	7.75
23)B Endrin Ketone	4.007	3.926	4.229	4.016	4.080	4.931	4.086	4.182 E6	8.21
24) L8Toxaphene{A}					4.955			4.955 E4	0.00
25) L8Toxaphene{B}					1.437			1.437 E5	0.00
26) L8Toxaphene{C}					1.135			1.135 E5	0.00
27) L8Toxaphene{D}					1.165			1.165 E5	0.00
28) L8Toxaphene{E}					1.023			1.023 E5	0.00
29) Chlordane {A}					2.385			2.385 E5	0.00
30) Chlordane {B}					1.846			1.846 E5	0.00
31) Chlordane {C}					5.306			5.306 E5	0.00
32) Chlordane {D}					9.042			9.042 E5	0.00
33) Chlordane {E}					1.292			1.292 E5	0.00
34) SADecachlorobipheny	3.203	3.087	3.228	2.911	2.841	3.331	3.297	3.128 E6	6.06

Signal #2

1) SABTetrachloro-m-xyl	2.711	2.567	2.825	2.724	2.811	3.471	2.706	2.831 E6	10.41
2) Hexachlorobenzene	3.511	3.359	3.568	3.394	3.396	4.054	3.531	3.545 E6	6.72
3)A alpha-BHC	2.829	2.930	3.378	3.578	3.960		2.797	3.245 E6	14.53
4)MAGamma-BHC	2.844	2.845	3.275	3.374	3.661		2.757	3.126 E6	11.66
5)MAHeptachlor	3.049	2.929	3.243	3.211	3.444	4.424	3.084	3.341 E6	15.12
6)B beta-BHC	1.660	1.599	1.733	1.640	1.652	1.998	1.685	1.709 E6	7.81
7)B delta-BHC	2.644	2.646	3.099	3.235	3.583		2.592	2.966 E6	13.63
8)MBAldrin	2.496	2.447	2.783	2.870	3.131		2.398	2.688 E6	10.76
9)B Heptachlor Epoxid	2.650	2.592	2.866	2.839	3.014	3.859	2.583	2.915 E6	15.30
10)B gamma-Chlordane	2.677	2.583	2.857	2.805	2.975	3.826	2.722	2.921 E6	14.34

Initial Calibration Summary

Job Number: JA58900

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample:

G4G19-ICC19

Lab FileID:

4G596.D

Page 2 of 2

11) B' alpha-Chlordane	2.705	2.573	2.828	2.776	2.915	3.699	2.756	2.893	E6	12.81
12) A Endosulfan I	2.437	2.362	2.609	2.582	2.734	3.496	2.462	2.669	E6	14.43
13) B 4,4'-DDE	2.215	2.191	2.519	2.599	2.853		2.153	2.422	E6	11.60
14) MADIeldrin	2.433	2.399	2.662	2.714	2.950	3.910	2.409	2.783	E6	19.28
15) MAEndrin	2.308	2.236	2.515	2.524	2.723	3.549	2.377	2.605	E6	17.14
16) A 4,4'-DDD	1.939	1.896	2.155	2.193	2.368	3.111	1.896	2.222	E6	19.35
17) B Endosulfan II	2.315	2.289	2.445	2.461	2.606	3.327	2.281	2.532	E6	14.60
18) MA4,4'-DDT	2.081	2.023	2.303	2.298	2.468	3.181	2.050	2.343	E6	17.24
19) B Endrin Aldehyde	2.094	1.986	2.215	2.102	2.168	2.705	2.207	2.211	E6	10.48
20) B Endosulfan Sulfat	2.219	2.137	2.373	2.288	2.375	2.978	2.212	2.369	E6	11.93
21) A Methoxychlor	1.360	1.307	1.426	1.347	1.346	1.599	1.426	1.402	E6	6.95
22) Mirex	2.276	2.104	2.242	2.033	1.992	2.379	2.270	2.185	E6	6.57
23) B Endrin Ketone	2.759	2.717	3.016	2.944	3.076	3.861	2.785	3.022	E6	13.03
24) L8Toxaphene{A}					4.547			4.547	E4	0.00
25) L8Toxaphene{B}					6.910			6.910	E4	0.00
26) L8Toxaphene{C}					1.459			1.459	E5	0.00
27) L8Toxaphene{D}					7.436			7.436	E4	0.00
28) L8Toxaphene{E}					6.896			6.896	E4	0.00
29) Chlordane {A}					1.773			1.773	E5	0.00
30) Chlordane {B}					1.066			1.066	E5	0.00
31) Chlordane {C}					3.773			3.773	E5	0.00
32) Chlordane {D}					6.675			6.675	E5	0.00
33) Chlordane {E}					9.688			9.688	E4	0.00
34) SAdecachlorobipheny	2.110	2.006	2.097	1.899	1.827	2.154	2.169	2.037	E6	6.46

(#) = Out of Range

4pst19.M

Fri Oct 22 10:45:53 2010

RPT1

9.8.17

9

Initial Calibration Verification

Page 1 of 2

Job Number: JA58900

Sample: G4G19-ICV19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G601.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g19\4g601.D\ECD1A.ch Vial: 12
 Signal #2 : C:\msdchem\1\DATA\4g19\4g601.D\ECD2B.ch
 Acq On : 21 Oct 2010 6:27 pm Operator: owenm
 Sample : icv19-25 Inst : GC4G
 Misc : op46271,g4g19,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Fri Oct 22 09:48:29 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene			-----NA-----				
3 A alpha-BHC	4.702	4.714 E6	-0.3	102	0.00	2.33-	2.39
4 MA gamma-BHC	4.286	4.298 E6	-0.3	102	0.00	2.57-	2.63
5 MA Heptachlor	4.492	4.389 E6	2.3	102	0.00	2.97-	3.03
6 B beta-BHC	2.114	2.056 E6	2.7	106	0.00	2.63-	2.69
7 B delta-BHC	4.226	4.315 E6	-2.1	103	0.00	2.78-	2.84
8 MB Aldrin	4.077	4.035 E6	1.0	102	0.00	3.25-	3.32
9 B Heptachlor Epoxide	3.999	3.903 E6	2.4	102	0.00	3.89-	3.96
10 B gamma-Chlordane	3.949	3.878 E6	1.8	103	0.00	4.03-	4.10
11 B alpha-Chlordane	3.909	3.779 E6	3.3	102	0.00	4.17-	4.27
12 A Endosulfan I	3.778	3.660 E6	3.1	103	0.00	4.34-	4.44
13 B 4,4'-DDE	3.733	3.755 E6	-0.6	102	0.00	4.28-	4.35
14 MA Dieldrin	3.979	3.968 E6	0.3	102	0.00	4.65-	4.72
15 MA Endrin	3.741	3.773 E6	-0.9	104	0.00	4.94-	5.04
16 A 4,4'-DDD	3.220	3.212 E6	0.2	102	0.00	5.05-	5.15
17 B Endosulfan II	3.584	3.479 E6	2.9	102	0.00	5.24-	5.35
18 MA 4,4'-DDT	3.360	3.281 E6	2.4	100	0.00	5.44-	5.54
19 B Endrin Aldehyde	3.183	2.873 E6	9.7	101	0.00	5.85-	5.95
20 B Endosulfan Sulfate	3.356	3.283 E6	2.2	103	0.00	6.51-	6.60
21 A Methoxychlor	1.874	1.830 E6	2.3	103	0.00	6.21-	6.28
22 Mirex			-----NA-----				
23 B Endrin Ketone	4.182	3.901 E6	6.7	97	0.00	6.93-	7.04
24 L8 Toxaphene{A}			-----NA-----				
25 L8 Toxaphene{B}			-----NA-----				
26 L8 Toxaphene{C}			-----NA-----				
27 L8 Toxaphene{D}			-----NA-----				
28 L8 Toxaphene{E}			-----NA-----				
29 Chlordane {A}			-----NA-----				
30 Chlordane {B}			-----NA-----				
31 Chlordane {C}			-----NA-----				
32 Chlordane {D}			-----NA-----				
33 Chlordane {E}			-----NA-----				
34 SA Decachlorobiphenyl			-----NA-----				

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene			-----NA-----				
2 Hexachlorobenzene			-----NA-----				
3 A alpha-BHC	3.245	3.646 E6	-12.4	102	0.00	2.83-	2.89
4 MA gamma-BHC	3.126	3.434 E6	-9.9	102	0.00	3.17-	3.23

Initial Calibration Verification

Page 2 of 2

Job Number: JA58900

Sample: G4G19-ICV19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G601.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.265 E6	2.3	102	0.00	3.67- 3.73
6	B	beta-BHC	1.709	1.690 E6	1.1	103	0.00	3.24- 3.30
7	B	delta-BHC	2.966	3.308 E6	-11.5	102	0.00	3.57- 3.63
8	MB	Aldrin	2.688	2.913 E6	-8.4	101	0.00	4.06- 4.12
9	B	Heptachlor Epoxide	2.915	2.887 E6	1.0	102	0.00	4.79- 4.85
10	B	gamma-Chlordane	2.921	2.856 E6	2.2	102	0.00	5.05- 5.11
11	B	alpha-Chlordane	2.893	2.811 E6	2.8	101	0.00	5.26- 5.32
12	A	Endosulfan I	2.669	2.624 E6	1.7	102	0.00	5.34- 5.40
13	B	4,4'-DDE	2.422	2.637 E6	-8.9	101	0.00	5.49- 5.55
14	MA	Dieldrin	2.783	2.781 E6	0.1	102	0.00	5.74- 5.80
15	MA	Endrin	2.605	2.606 E6	-0.0	103	0.00	6.20- 6.26
16	A	4,4'-DDD	2.222	2.223 E6	-0.0	101	0.00	6.38- 6.44
17	B	Endosulfan II	2.532	2.533 E6	-0.0	103	0.00	6.53- 6.59
18	MA	4,4'-DDT	2.343	2.272 E6	3.0	99	0.00	6.89- 6.95
19	B	Endrin Aldehyde	2.211	2.094 E6	5.3	100	0.00	7.07- 7.13
20	B	Endosulfan Sulfate	2.369	2.345 E6	1.0	102	0.00	7.53- 7.59
21	A	Methoxychlor	1.402	1.388 E6	1.0	103	0.00	8.06- 8.12
22		Mirex						
23	B	Endrin Ketone	3.022	2.828 E6	6.4	96	0.00	8.42- 8.49
24	L8	Toxaphene{A}						
25	L8	Toxaphene{B}						
26	L8	Toxaphene{C}						
27	L8	Toxaphene{D}						
28	L8	Toxaphene{E}						
29		Chlordane {A}						
30		Chlordane {B}						
31		Chlordane {C}						
32		Chlordane {D}						
33		Chlordane {E}						
34	SA	Decachlorobiphenyl						

(#) = Out of Range
4g596.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Fri Oct 22 10:46:06 2010 RPT1

9.8.18
9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: G4G19-ICV19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G602.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g19\4g602.D\ECD1A.ch Vial: 13
Signal #2 : C:\msdchem\1\DATA\4g19\4g602.D\ECD2B.ch
Acq On : 21 Oct 2010 6:41 pm Operator: owenm
Sample : icv19-500 Inst : GC4G
Misc : op46271,g4g19,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Fri Oct 22 09:48:29 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
24 L8	Toxaphene{A}	49.548	51.592 E3	-4.1	104	0.00	4.71-	4.91
25 L8	Toxaphene{B}	143.660	144.851 E3	-0.8	101	0.00	5.19-	5.39
26 L8	Toxaphene{C}	113.503	96.073 E3	15.4#	85	0.00	5.36-	5.56
27 L8	Toxaphene{D}	116.521	99.712 E3	14.4	86	0.00	5.68-	5.88
28 L8	Toxaphene{E}	102.262	72.823 E3	28.8#	71	0.00	6.30-	6.50
29	Toxaphene total	525.494	465.051 E3	11.5	88			

***** Signal #2 *****

24 L8	Toxaphene{A}	45.474	52.270 E3	-14.9	115	0.00	5.64-	5.84
25 L8	Toxaphene{B}	69.104	64.601 E3	6.5	93	0.00	6.44-	6.64
26 L8	Toxaphene{C}	145.907	139.144 E3	4.6	95	0.00	6.60-	6.80
27 L8	Toxaphene{D}	74.362	59.145 E3	20.5#	80	0.00	7.02-	7.22
28 L8	Toxaphene{E}	68.961	48.361 E3	29.9#	70	0.00	7.87-	8.07
29	Toxaphene total	403.808	363.521 E3	10.0	90			

(#) = Out of Range
4g597.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Fri Oct 22 10:48:32 2010 RPT1

9.8.19

9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: G4G19-ICV19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G603.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g19\4g603.D\ECD1A.ch Vial: 14
 Signal #2 : C:\msdchem\1\DATA\4g19\4g603.D\ECD2B.ch
 Acq On : 21 Oct 2010 6:54 pm Operator: owenm
 Sample : icv19-500 Inst : GC4G
 Misc : op46271,g4g19,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Fri Oct 22 09:48:29 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
29	Chlordane {A}	238.455	196.249 E3	17.7#	82	0.00	2.90-	3.10
30	Chlordane {B}	184.600	155.302 E3	15.9#	84	0.00	3.32-	3.52
31	Chlordane {C}	530.578	483.388 E3	8.9	91	0.00	3.97-	4.17
32	Chlordane {D}	904.215	768.921 E3	15.0	85	0.00	4.11-	4.31
33	Chlordane {E}	129.212	117.730 E3	8.9	91	0.00	5.10-	5.30
34	Chlordane total	198.706	172.159 E4	13.4	86			

***** Signal #2 *****

29	Chlordane {A}	177.326	143.591 E3	19.0#	81	0.00	3.60-	3.80
30	Chlordane {B}	106.626	108.125 E3	-1.4	101	0.00	4.16-	4.36
31	Chlordane {C}	377.262	343.083 E3	9.1	91	0.00	4.98-	5.18
32	Chlordane {D}	667.455	555.459 E3	16.8#	83	0.07	5.19-	5.39
33	Chlordane {E}	96.885	90.556 E3	6.5	93	0.00	6.54-	6.74
34	Chlordane total	142.555	124.081 E4	13.0	87			

(#) = Out of Range
 4g597.D 4pst19.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 22 10:54:46 2010 RPT1

9.8.20

9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G24-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G781.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g24\4g781.D\ECD1A.ch Vial: 12
 Signal #2 : C:\msdchem\1\DATA\4g24\4g781.D\ECD2B.ch
 Acq On : 27 Oct 2010 12:29 pm Operator: owenm
 Sample : cc19-25 Inst : GC4G
 Misc : op46238,g4g24,17.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Fri Oct 22 09:48:29 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene	3.334	3.049 E6	8.5	95	0.00	1.95-	2.01
2 Hexachlorobenzene	4.084	3.639 E6	10.9	95	0.00	2.21-	2.27
3 A alpha-BHC	4.702	4.428 E6	5.8	95	0.00	2.32-	2.38
4 MA gamma-BHC	4.286	4.016 E6	6.3	96	0.00	2.56-	2.62
5 MA Heptachlor	4.492	4.163 E6	7.3	96	0.00	2.96-	3.03
6 B beta-BHC	2.114	1.874 E6	11.4	96	0.00	2.62-	2.68
7 B delta-BHC	4.226	3.924 E6	7.1	94	0.00	2.78-	2.84
8 MB Aldrin	4.077	3.833 E6	6.0	97	0.00	3.25-	3.32
9 B Heptachlor Epoxide	3.999	3.644 E6	8.9	96	0.00	3.87-	3.97
10 B gamma-Chlordane	3.949	3.627 E6	8.2	96	0.00	4.02-	4.10
11 B alpha-Chlordane	3.909	3.537 E6	9.5	96	0.00	4.17-	4.27
12 A Endosulfan I	3.778	3.402 E6	10.0	95	0.00	4.35-	4.42
13 B 4,4'-DDE	3.733	3.530 E6	5.4	96	0.00	4.28-	4.35
14 MA Dieldrin	3.979	3.709 E6	6.8	95	0.00	4.65-	4.72
15 MA Endrin	3.741	3.539 E6	5.4	97	0.00	4.94-	5.04
16 A 4,4'-DDD	3.220	3.010 E6	6.5	96	0.00	5.06-	5.13
17 B Endosulfan II	3.584	3.242 E6	9.5	95	0.00	5.25-	5.33
18 MA 4,4'-DDT	3.360	3.135 E6	6.7	96	0.00	5.44-	5.54
19 B Endrin Aldehyde	3.183	2.644 E6	16.9#	93	0.00	5.86-	5.93
20 B Endosulfan Sulfate	3.356	2.995 E6	10.8	94	0.00	6.51-	6.59
21 A Methoxychlor	1.874	1.729 E6	7.7	98	0.00	6.19-	6.29
22 Mirex	2.992	2.583 E6	13.7	95	0.00	6.32-	6.42
23 B Endrin Ketone	4.182	3.646 E6	12.8	91	0.00	6.94-	7.02
24 L8 Toxaphene{A}		-----NA-----					
25 L8 Toxaphene{B}		-----NA-----					
26 L8 Toxaphene{C}		-----NA-----					
27 L8 Toxaphene{D}		-----NA-----					
28 L8 Toxaphene{E}		-----NA-----					
29 Chlordane {A}		-----NA-----					
30 Chlordane {B}		-----NA-----					
31 Chlordane {C}		-----NA-----					
32 Chlordane {D}		-----NA-----					
33 Chlordane {E}		-----NA-----					
34 SA Decachlorobiphenyl	3.128	2.699 E6	13.7	93	0.00	8.69-	8.77

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	2.831	2.556 E6	9.7	94	-0.01	2.31-	2.37
2 Hexachlorobenzene	3.545	3.224 E6	9.1	95	-0.01	2.70-	2.76
3 A alpha-BHC	3.245	3.372 E6	-3.9	94	-0.01	2.81-	2.87
4 MA gamma-BHC	3.126	3.162 E6	-1.2	94	-0.02	3.16-	3.22

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G24-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G781.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.076 E6	7.9	96	-0.02	3.66- 3.72
6	B	beta-BHC	1.709	1.545 E6	9.6	94	-0.01	3.23- 3.29
7	B	delta-BHC	2.966	2.990 E6	-0.8	92	-0.02	3.55- 3.61
8	MB	Aldrin	2.688	2.704 E6	-0.6	94	-0.02	4.05- 4.11
9	B	Heptachlor Epoxide	2.915	2.671 E6	8.4	94	-0.02	4.77- 4.83
10	B	gamma-Chlordane	2.921	2.634 E6	9.8	94	-0.02	5.03- 5.09
11	B	alpha-Chlordane	2.893	2.593 E6	10.4	93	-0.02	5.24- 5.30
12	A	Endosulfan I	2.669	2.407 E6	9.8	93	-0.02	5.32- 5.38
13	B	4,4'-DDE	2.422	2.425 E6	-0.1	93	-0.02	5.48- 5.54
14	MA	Dieldrin	2.783	2.567 E6	7.8	95	-0.02	5.72- 5.78
15	MA	Endrin	2.605	2.403 E6	7.8	95	-0.02	6.18- 6.24
16	A	4,4'-DDD	2.222	2.058 E6	7.4	94	-0.02	6.36- 6.42
17	B	Endosulfan II	2.532	2.292 E6	9.5	93	-0.02	6.51- 6.57
18	MA	4,4'-DDT	2.343	2.140 E6	8.7	93	-0.02	6.87- 6.93
19	B	Endrin Aldehyde	2.211	1.908 E6	13.7	91	-0.02	7.05- 7.11
20	B	Endosulfan Sulfate	2.369	2.095 E6	11.6	92	-0.02	7.51- 7.57
21	A	Methoxychlor	1.402	1.257 E6	10.3	93	-0.02	8.04- 8.10
22		Mirex	2.185	1.880 E6	14.0	92	-0.02	8.34- 8.40
23	B	Endrin Ketone	3.022	2.533 E6	16.2#	86	-0.02	8.40- 8.47
24	L8	Toxaphene{A}					NA	
25	L8	Toxaphene{B}					NA	
26	L8	Toxaphene{C}					NA	
27	L8	Toxaphene{D}					NA	
28	L8	Toxaphene{E}					NA	
29		Chlordane {A}					NA	
30		Chlordane {B}					NA	
31		Chlordane {C}					NA	
32		Chlordane {D}					NA	
33		Chlordane {E}					NA	
34	SA	Decachlorobiphenyl	2.037	1.735 E6	14.8	91	-0.02	10.37-10.43

(#) = Out of Range
4g596.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Wed Oct 27 12:44:02 2010 RPT1

9.8.21

9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G24-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G792.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g24\4g792.D\ECD1A.ch Vial: 23
 Signal #2 : C:\msdchem\1\DATA\4g24\4g792.D\ECD2B.ch
 Acq On : 27 Oct 2010 4:05 pm Operator: owenm
 Sample : cc19-10 Inst : GC4G
 Misc : op46202,g4g24,17.2,,,10,10 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Fri Oct 22 09:48:29 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene	3.334	3.211 E6	3.7	95	0.00	1.96-	2.02
2 Hexachlorobenzene	4.084	3.957 E6	3.1	95	0.00	2.21-	2.27
3 A alpha-BHC	4.702	4.479 E6	4.7	96	0.00	2.32-	2.38
4 MA gamma-BHC	4.286	4.079 E6	4.8	95	0.00	2.56-	2.62
5 MA Heptachlor	4.492	4.277 E6	4.8	96	0.00	2.95-	3.03
6 B beta-BHC	2.114	1.979 E6	6.4	93	0.00	2.62-	2.68
7 B delta-BHC	4.226	3.976 E6	5.9	95	0.00	2.78-	2.84
8 MB Aldrin	4.077	3.946 E6	3.2	97	0.00	3.24-	3.31
9 B Heptachlor Epoxide	3.999	3.783 E6	5.4	96	0.00	3.87-	3.96
10 B gamma-Chlordane	3.949	3.732 E6	5.5	95	-0.01	4.02-	4.09
11 B alpha-Chlordane	3.909	3.722 E6	4.8	96	-0.01	4.16-	4.26
12 A Endosulfan I	3.778	3.491 E6	7.6	93	-0.01	4.34-	4.42
13 B 4,4'-DDE	3.733	3.524 E6	5.6	95	-0.01	4.27-	4.34
14 MA Dieldrin	3.979	3.816 E6	4.1	96	-0.01	4.64-	4.71
15 MA Endrin	3.741	3.847 E6	-2.8	103	-0.01	4.93-	5.03
16 A 4,4'-DDD	3.220	3.163 E6	1.8	98	-0.01	5.05-	5.13
17 B Endosulfan II	3.584	3.450 E6	3.7	96	-0.01	5.25-	5.32
18 MA 4,4'-DDT	3.360	3.250 E6	3.3	97	-0.01	5.43-	5.53
19 B Endrin Aldehyde	3.183	2.969 E6	6.7	97	-0.01	5.85-	5.92
20 B Endosulfan Sulfate	3.356	3.239 E6	3.5	95	-0.01	6.51-	6.58
21 A Methoxychlor	1.874	1.853 E6	1.1	95	-0.01	6.18-	6.28
22 Mirex	2.992	2.882 E6	3.7	94	-0.01	6.31-	6.41
23 B Endrin Ketone	4.182	4.041 E6	3.4	96	-0.01	6.93-	7.01
24 L8 Toxaphene{A}		-----NA-----					
25 L8 Toxaphene{B}		-----NA-----					
26 L8 Toxaphene{C}		-----NA-----					
27 L8 Toxaphene{D}		-----NA-----					
28 L8 Toxaphene{E}		-----NA-----					
29 Chlordane {A}		-----NA-----					
30 Chlordane {B}		-----NA-----					
31 Chlordane {C}		-----NA-----					
32 Chlordane {D}		-----NA-----					
33 Chlordane {E}		-----NA-----					
34 SA Decachlorobiphenyl	3.128	3.046 E6	2.6	94	-0.01	8.68-	8.76

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	2.831	2.684 E6	5.2	95	0.00	2.32-	2.38
2 Hexachlorobenzene	3.545	3.434 E6	3.1	96	0.00	2.71-	2.77
3 A alpha-BHC	3.245	3.273 E6	-0.9	97	-0.01	2.82-	2.88
4 MA gamma-BHC	3.126	3.071 E6	1.8	94	-0.01	3.16-	3.22

9.8.22

9

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G24-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G792.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.106	E6	7.0	96	-0.01	3.66- 3.72
6	B	beta-BHC	1.709	1.617	E6	5.4	93	-0.01	3.23- 3.29
7	B	delta-BHC	2.966	2.961	E6	0.2	96	-0.01	3.56- 3.62
8	MB	Aldrin	2.688	2.705	E6	-0.6	97	-0.01	4.05- 4.11
9	B	Heptachlor Epoxide	2.915	2.741	E6	6.0	96	-0.02	4.77- 4.83
10	B	gamma-Chlordane	2.921	2.737	E6	6.3	96	-0.02	5.03- 5.09
11	B	alpha-Chlordane	2.893	2.870	E6	0.8	102	-0.02	5.24- 5.30
12	A	Endosulfan I	2.669	2.473	E6	7.3	95	-0.02	5.32- 5.38
13	B	4,4'-DDE	2.422	2.411	E6	0.5	96	-0.02	5.48- 5.54
14	MA	Dieldrin	2.783	2.564	E6	7.9	96	-0.02	5.72- 5.78
15	MA	Endrin	2.605	2.457	E6	5.7	98	-0.02	6.18- 6.24
16	A	4,4'-DDD	2.222	2.132	E6	4.1	99	-0.02	6.36- 6.42
17	B	Endosulfan II	2.532	2.411	E6	4.8	99	-0.02	6.51- 6.57
18	MA	4,4'-DDT	2.343	2.289	E6	2.3	99	-0.02	6.87- 6.93
19	B	Endrin Aldehyde	2.211	2.115	E6	4.3	95	-0.02	7.05- 7.11
20	B	Endosulfan Sulfate	2.369	2.243	E6	5.3	95	-0.02	7.51- 7.57
21	A	Methoxychlor	1.402	1.362	E6	2.9	95	-0.02	8.04- 8.10
22		Mirex	2.185	2.137	E6	2.2	95	-0.02	8.34- 8.40
23	B	Endrin Ketone	3.022	2.916	E6	3.5	97	-0.03	8.40- 8.46
24	L8	Toxaphene{A}						-----NA-----	
25	L8	Toxaphene{B}						-----NA-----	
26	L8	Toxaphene{C}						-----NA-----	
27	L8	Toxaphene{D}						-----NA-----	
28	L8	Toxaphene{E}						-----NA-----	
29		Chlordane {A}						-----NA-----	
30		Chlordane {B}						-----NA-----	
31		Chlordane {C}						-----NA-----	
32		Chlordane {D}						-----NA-----	
33		Chlordane {E}						-----NA-----	
34	SA	Decachlorobiphenyl	2.037	1.936	E6	5.0	92	-0.02	10.37-10.43

(#) = Out of Range
4g595.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Wed Oct 27 16:21:29 2010 RPT1

9.8.22

9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G27-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G927.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g27\4g927.D\ECD1A.ch Vial: 12
 Signal #2 : C:\msdchem\1\DATA\4g27\4g927.D\ECD2B.ch
 Acq On : 1 Nov 2010 12:34 pm Operator: owenm
 Sample : cc19-25 Inst : GC4G
 Misc : op46354,g4g27,17.0,,,10,1000 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Mon Nov 01 09:27:24 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	RT	Window
1 SAB Tetrachloro-m-xylene	3.334	3.176 E6	4.7	99	0.00	1.95-	2.01
2 Hexachlorobenzene	4.084	3.727 E6	8.7	98	0.00	2.20-	2.26
3 A alpha-BHC	4.702	4.513 E6	4.0	97	0.00	2.32-	2.38
4 MA gamma-BHC	4.286	4.047 E6	5.6	96	0.00	2.55-	2.61
5 MA Heptachlor	4.492	4.147 E6	7.7	96	0.00	2.95-	3.02
6 B beta-BHC	2.114	2.008 E6	5.0	103	0.00	2.61-	2.67
7 B delta-BHC	4.226	3.995 E6	5.5	96	0.00	2.77-	2.83
8 MB Aldrin	4.077	3.866 E6	5.2	97	0.00	3.24-	3.31
9 B Heptachlor Epoxide	3.999	3.704 E6	7.4	97	0.00	3.86-	3.96
10 B gamma-Chlordane	3.949	3.684 E6	6.7	98	0.00	4.01-	4.09
11 B alpha-Chlordane	3.909	3.588 E6	8.2	97	0.00	4.16-	4.26
12 A Endosulfan I	3.778	3.475 E6	8.0	97	0.00	4.34-	4.41
13 B 4,4'-DDE	3.733	3.556 E6	4.7	97	0.00	4.27-	4.34
14 MA Dieldrin	3.979	3.764 E6	5.4	97	0.00	4.64-	4.71
15 MA Endrin	3.741	3.568 E6	4.6	98	0.00	4.92-	5.03
16 A 4,4'-DDD	3.220	3.136 E6	2.6	100	0.00	5.05-	5.12
17 B Endosulfan II	3.584	3.309 E6	7.7	97	0.00	5.24-	5.32
18 MA 4,4'-DDT	3.360	2.957 E6	12.0	90	0.00	5.42-	5.53
19 B Endrin Aldehyde	3.183	2.766 E6	13.1	97	0.00	5.84-	5.92
20 B Endosulfan Sulfate	3.356	3.032 E6	9.7	95	0.00	6.50-	6.57
21 A Methoxychlor	1.874	1.683 E6	10.2	95	0.00	6.17-	6.27
22 Mirex	2.992	2.685 E6	10.3	99	0.00	6.30-	6.40
23 B Endrin Ketone	4.182	3.843 E6	8.1	96	0.00	6.93-	7.01
24 L8 Toxaphene{A}		-----NA-----					
25 L8 Toxaphene{B}		-----NA-----					
26 L8 Toxaphene{C}		-----NA-----					
27 L8 Toxaphene{D}		-----NA-----					
28 L8 Toxaphene{E}		-----NA-----					
29 Chlordane {A}		-----NA-----					
30 Chlordane {B}		-----NA-----					
31 Chlordane {C}		-----NA-----					
32 Chlordane {D}		-----NA-----					
33 Chlordane {E}		-----NA-----					
34 SA Decachlorobiphenyl	3.128	2.824 E6	9.7	97	0.00	8.68-	8.75

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	2.831	2.592 E6	8.4	95	0.00	2.31-	2.37
2 Hexachlorobenzene	3.545	3.184 E6	10.2	94	0.00	2.70-	2.76
3 A alpha-BHC	3.245	3.297 E6	-1.6	92	0.00	2.81-	2.87
4 MA gamma-BHC	3.126	3.091 E6	1.1	92	0.00	3.15-	3.21

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G27-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G927.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	2.971	E6	11.1	93	0.00	3.65- 3.71
6	B	beta-BHC	1.709	1.552	E6	9.2	95	0.00	3.22- 3.28
7	B	delta-BHC	2.966	2.882	E6	2.8	89	0.00	3.54- 3.60
8	MB	Aldrin	2.688	2.658	E6	1.1	93	0.00	4.03- 4.09
9	B	Heptachlor Epoxide	2.915	2.619	E6	10.2	92	0.00	4.76- 4.82
10	B	gamma-Chlordane	2.921	2.595	E6	11.2	92	0.00	5.02- 5.08
11	B	alpha-Chlordane	2.893	2.557	E6	11.6	92	0.00	5.22- 5.28
12	A	Endosulfan I	2.669	2.389	E6	10.5	93	0.00	5.31- 5.37
13	B	4,4'-DDE	2.422	2.382	E6	1.7	92	0.00	5.46- 5.52
14	MA	Dieldrin	2.783	2.534	E6	8.9	93	0.00	5.70- 5.76
15	MA	Endrin	2.605	2.349	E6	9.8	93	0.00	6.16- 6.22
16	A	4,4'-DDD	2.222	2.053	E6	7.6	94	0.00	6.35- 6.41
17	B	Endosulfan II	2.532	2.286	E6	9.7	93	0.00	6.49- 6.55
18	MA	4,4'-DDT	2.343	1.957	E6	16.5#	85	0.00	6.85- 6.91
19	B	Endrin Aldehyde	2.211	1.955	E6	11.6	93	0.00	7.03- 7.09
20	B	Endosulfan Sulfate	2.369	2.057	E6	13.2	90	0.00	7.49- 7.55
21	A	Methoxychlor	1.402	1.211	E6	13.6	90	0.00	8.02- 8.08
22		Mirex	2.185	1.896	E6	13.2	93	0.00	8.32- 8.38
23	B	Endrin Ketone	3.022	2.652	E6	12.2	90	0.00	8.38- 8.45
24	L8	Toxaphene{A}				-----NA-----			
25	L8	Toxaphene{B}				-----NA-----			
26	L8	Toxaphene{C}				-----NA-----			
27	L8	Toxaphene{D}				-----NA-----			
28	L8	Toxaphene{E}				-----NA-----			
29		Chlordane {A}				-----NA-----			
30		Chlordane {B}				-----NA-----			
31		Chlordane {C}				-----NA-----			
32		Chlordane {D}				-----NA-----			
33		Chlordane {E}				-----NA-----			
34	SA	Decachlorobiphenyl	2.037	1.757	E6	13.7	93	0.00	10.36-10.42

(#) = Out of Range
4g596.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Mon Nov 01 13:43:17 2010 RPT1

9.8.23
9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G27-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G949.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g27\4g949.D\ECD1A.ch Vial: 34
 Signal #2 : C:\msdchem\1\DATA\4g27\4g949.D\ECD2B.ch
 Acq On : 1 Nov 2010 7:24 pm Operator: owenm
 Sample : cc19-25 Inst : GC4G
 Misc : op46373,g4g27,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Mon Nov 01 09:27:24 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene	3.334	3.197 E6	4.1	100	0.00	1.95-	2.01
2 Hexachlorobenzene	4.084	3.740 E6	8.4	98	0.00	2.20-	2.26
3 A alpha-BHC	4.702	4.465 E6	5.0	96	0.00	2.31-	2.37
4 MA gamma-BHC	4.286	4.019 E6	6.2	96	0.00	2.55-	2.61
5 MA Heptachlor	4.492	4.161 E6	7.4	96	0.00	2.95-	3.02
6 B beta-BHC	2.114	2.000 E6	5.4	103	0.00	2.61-	2.67
7 B delta-BHC	4.226	3.751 E6	11.2	90	0.00	2.77-	2.83
8 MB Aldrin	4.077	3.892 E6	4.5	98	0.00	3.24-	3.31
9 B Heptachlor Epoxide	3.999	3.736 E6	6.6	98	0.00	3.86-	3.96
10 B gamma-Chlordane	3.949	3.707 E6	6.1	98	0.00	4.01-	4.09
11 B alpha-Chlordane	3.909	3.591 E6	8.1	97	0.00	4.15-	4.26
12 A Endosulfan I	3.778	3.506 E6	7.2	98	0.00	4.33-	4.41
13 B 4,4'-DDE	3.733	3.612 E6	3.2	98	0.00	4.27-	4.34
14 MA Dieldrin	3.979	3.802 E6	4.4	98	0.00	4.64-	4.71
15 MA Endrin	3.741	3.591 E6	4.0	99	0.00	4.92-	5.03
16 A 4,4'-DDD	3.220	3.104 E6	3.6	99	0.00	5.04-	5.12
17 B Endosulfan II	3.584	3.284 E6	8.4	96	0.00	5.24-	5.31
18 MA 4,4'-DDT	3.360	2.983 E6	11.2	91	0.00	5.42-	5.53
19 B Endrin Aldehyde	3.183	2.766 E6	13.1	97	0.00	5.84-	5.92
20 B Endosulfan Sulfate	3.356	2.877 E6	14.3	91	0.00	6.50-	6.57
21 A Methoxychlor	1.874	1.678 E6	10.5	95	0.00	6.17-	6.27
22 Mirex	2.992	2.663 E6	11.0	98	0.00	6.30-	6.40
23 B Endrin Ketone	4.182	3.778 E6	9.7	94	0.00	6.92-	7.00
24 L8 Toxaphene{A}		-----NA-----					
25 L8 Toxaphene{B}		-----NA-----					
26 L8 Toxaphene{C}		-----NA-----					
27 L8 Toxaphene{D}		-----NA-----					
28 L8 Toxaphene{E}		-----NA-----					
29 Chlordane {A}		-----NA-----					
30 Chlordane {B}		-----NA-----					
31 Chlordane {C}		-----NA-----					
32 Chlordane {D}		-----NA-----					
33 Chlordane {E}		-----NA-----					
34 SA Decachlorobiphenyl	3.128	2.824 E6	9.7	97	0.00	8.68-	8.75

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	2.831	2.626 E6	7.2	96	0.00	2.30-	2.36
2 Hexachlorobenzene	3.545	3.222 E6	9.1	95	0.00	2.70-	2.76
3 A alpha-BHC	3.245	3.315 E6	-2.2	93	0.00	2.81-	2.87
4 MA gamma-BHC	3.126	3.116 E6	0.3	92	0.00	3.15-	3.21

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G27-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G949.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.048 E6	8.8	95	0.00	3.64- 3.70
6	B	beta-BHC	1.709	1.572 E6	8.0	96	0.00	3.22- 3.28
7	B	delta-BHC	2.966	2.780 E6	6.3	86	0.00	3.54- 3.60
8	MB	Aldrin	2.688	2.696 E6	-0.3	94	0.00	4.03- 4.09
9	B	Heptachlor Epoxide	2.915	2.667 E6	8.5	94	0.00	4.76- 4.82
10	B	gamma-Chlordane	2.921	2.640 E6	9.6	94	0.00	5.01- 5.07
11	B	alpha-Chlordane	2.893	2.611 E6	9.7	94	0.00	5.22- 5.28
12	A	Endosulfan I	2.669	2.429 E6	9.0	94	0.00	5.30- 5.36
13	B	4,4'-DDE	2.422	2.446 E6	-1.0	94	0.00	5.46- 5.52
14	MA	Dieldrin	2.783	2.582 E6	7.2	95	0.00	5.70- 5.76
15	MA	Endrin	2.605	2.387 E6	8.4	95	0.00	6.16- 6.22
16	A	4,4'-DDD	2.222	2.068 E6	6.9	94	0.00	6.34- 6.40
17	B	Endosulfan II	2.532	2.322 E6	8.3	94	0.00	6.49- 6.55
18	MA	4,4'-DDT	2.343	2.009 E6	14.3	87	0.00	6.85- 6.91
19	B	Endrin Aldehyde	2.211	1.972 E6	10.8	94	0.00	7.03- 7.09
20	B	Endosulfan Sulfate	2.369	1.959 E6	17.3#	86	0.00	7.49- 7.55
21	A	Methoxychlor	1.402	1.218 E6	13.1	90	0.00	8.02- 8.08
22		Mirex	2.185	1.929 E6	11.7	95	0.00	8.32- 8.38
23	B	Endrin Ketone	3.022	2.663 E6	11.9	90	0.00	8.38- 8.44
24	L8	Toxaphene{A}		-----NA-----				
25	L8	Toxaphene{B}		-----NA-----				
26	L8	Toxaphene{C}		-----NA-----				
27	L8	Toxaphene{D}		-----NA-----				
28	L8	Toxaphene{E}		-----NA-----				
29		Chlordane {A}		-----NA-----				
30		Chlordane {B}		-----NA-----				
31		Chlordane {C}		-----NA-----				
32		Chlordane {D}		-----NA-----				
33		Chlordane {E}		-----NA-----				
34	SA	Decachlorobiphenyl	2.037	1.796 E6	11.8	95	0.00	10.35-10.41

(#) = Out of Range
4g596.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Tue Nov 02 08:20:32 2010 RPT1

9.8.24

9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G29-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G1013.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g29\4g1013.D\ECD1A.ch Vial: 1
 Signal #2 : C:\msdchem\1\DATA\4g29\4g1013.D\ECD2B.ch
 Acq On : 3 Nov 2010 9:25 am Operator: owenm
 Sample : cc19-10 Inst : GC4G
 Misc : op46474,g4g29,17.1,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Tue Nov 02 16:34:26 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	SAB Tetrachloro-m-xylene	3.334	3.203 E6	3.9	94	0.00	1.95-	2.01
2	Hexachlorobenzene	4.084	3.927 E6	3.8	95	0.00	2.20-	2.26
3	A alpha-BHC	4.702	4.529 E6	3.7	97	0.00	2.31-	2.37
4	MA gamma-BHC	4.286	4.056 E6	5.4	95	0.00	2.55-	2.61
5	MA Heptachlor	4.492	4.261 E6	5.1	95	0.00	2.95-	3.02
6	B beta-BHC	2.114	2.116 E6	-0.1	100	0.00	2.61-	2.67
7	B delta-BHC	4.226	3.982 E6	5.8	95	0.00	2.77-	2.83
8	MB Aldrin	4.077	3.907 E6	4.2	96	0.00	3.23-	3.30
9	B Heptachlor Epoxide	3.999	3.773 E6	5.7	95	0.00	3.85-	3.95
10	B gamma-Chlordane	3.949	3.772 E6	4.5	96	0.00	4.01-	4.08
11	B alpha-Chlordane	3.909	3.780 E6	3.3	97	0.00	4.15-	4.25
12	A Endosulfan I	3.778	3.550 E6	6.0	95	0.00	4.33-	4.40
13	B 4,4'-DDE	3.733	3.557 E6	4.7	96	0.00	4.26-	4.33
14	MA Dieldrin	3.979	3.808 E6	4.3	96	0.00	4.63-	4.70
15	MA Endrin	3.741	3.691 E6	1.3	99	0.00	4.92-	5.02
16	A 4,4'-DDD	3.220	3.140 E6	2.5	98	0.00	5.04-	5.11
17	B Endosulfan II	3.584	3.376 E6	5.8	94	0.00	5.23-	5.31
18	MA 4,4'-DDT	3.360	3.097 E6	7.8	93	0.00	5.41-	5.52
19	B Endrin Aldehyde	3.183	2.912 E6	8.5	95	0.00	5.83-	5.91
20	B Endosulfan Sulfate	3.356	3.176 E6	5.4	93	0.00	6.49-	6.56
21	A Methoxychlor	1.874	1.813 E6	3.3	93	0.00	6.16-	6.26
22	Mirex	2.992	2.885 E6	3.6	95	0.00	6.29-	6.39
23	B Endrin Ketone	4.182	3.999 E6	4.4	95	0.00	6.92-	7.00
24	L8 Toxaphene{A}		-----NA-----					
25	L8 Toxaphene{B}		-----NA-----					
26	L8 Toxaphene{C}		-----NA-----					
27	L8 Toxaphene{D}		-----NA-----					
28	L8 Toxaphene{E}		-----NA-----					
29	Chlordane {A}		-----NA-----					
30	Chlordane {B}		-----NA-----					
31	Chlordane {C}		-----NA-----					
32	Chlordane {D}		-----NA-----					
33	Chlordane {E}		-----NA-----					
34	SA Decachlorobiphenyl	3.128	2.978 E6	4.8	92	0.00	8.67-	8.74
***** Signal #2 *****								
1	SAB Tetrachloro-m-xylene	2.831	2.624 E6	7.3	93	0.00	2.30-	2.36
2	Hexachlorobenzene	3.545	3.375 E6	4.8	95	0.00	2.69-	2.75
3	A alpha-BHC	3.245	3.156 E6	2.7	93	0.00	2.80-	2.86
4	MA gamma-BHC	3.126	3.001 E6	4.0	92	0.00	3.15-	3.21

9.8.25

9

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G29-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G1013.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.014 E6	9.8	93	0.00	3.64- 3.70
6	B	beta-BHC	1.709	1.605 E6	6.1	93	0.00	3.21- 3.27
7	B	delta-BHC	2.966	2.772 E6	6.5	89	0.00	3.54- 3.60
8	MB	Aldrin	2.688	2.606 E6	3.1	94	0.00	4.03- 4.09
9	B	Heptachlor Epoxide	2.915	2.658 E6	8.8	93	0.00	4.75- 4.81
10	B	gamma-Chlordane	2.921	2.612 E6	10.6	91	0.00	5.01- 5.07
11	B	alpha-Chlordane	2.893	2.642 E6	8.7	93	0.00	5.21- 5.27
12	A	Endosulfan I	2.669	2.409 E6	9.7	92	0.00	5.29- 5.35
13	B	4,4'-DDE	2.422	2.342 E6	3.3	93	0.00	5.45- 5.51
14	MA	Dieldrin	2.783	2.530 E6	9.1	95	0.00	5.69- 5.75
15	MA	Endrin	2.605	2.416 E6	7.3	96	0.00	6.15- 6.21
16	A	4,4'-DDD	2.222	2.047 E6	7.9	95	0.00	6.33- 6.39
17	B	Endosulfan II	2.532	2.339 E6	7.6	96	0.00	6.47- 6.53
18	MA	4,4'-DDT	2.343	2.051 E6	12.5	89	0.00	6.84- 6.90
19	B	Endrin Aldehyde	2.211	2.018 E6	8.7	91	0.00	7.01- 7.07
20	B	Endosulfan Sulfate	2.369	2.126 E6	10.3	90	0.00	7.48- 7.54
21	A	Methoxychlor	1.402	1.278 E6	8.8	90	0.00	8.01- 8.07
22		Mirex	2.185	2.102 E6	3.8	94	0.00	8.30- 8.36
23	B	Endrin Ketone	3.022	2.723 E6	9.9	90	0.00	8.36- 8.43
24	L8	Toxaphene{A}		-----NA-----				
25	L8	Toxaphene{B}		-----NA-----				
26	L8	Toxaphene{C}		-----NA-----				
27	L8	Toxaphene{D}		-----NA-----				
28	L8	Toxaphene{E}		-----NA-----				
29		Chlordane {A}		-----NA-----				
30		Chlordane {B}		-----NA-----				
31		Chlordane {C}		-----NA-----				
32		Chlordane {D}		-----NA-----				
33		Chlordane {E}		-----NA-----				
34	SA	Decachlorobiphenyl	2.037	1.942 E6	4.7	93	0.00	10.34-10.40

(#) = Out of Range
4g595.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Wed Nov 03 09:39:54 2010 RPT1

9.8.25
9

Continuing Calibration Summary

Page 1 of 2

Job Number: JA58900

Sample: G4G29-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G1024.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\4g29\4g1024.D\ECD1A.ch Vial: 12
 Signal #2 : C:\msdchem\1\DATA\4g29\4g1024.D\ECD2B.ch
 Acq On : 3 Nov 2010 12:48 pm Operator: owenm
 Sample : cc19-25 Inst : GC4G
 Misc : op46373,g4g29,17.4,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\4pst19.M (ChemStation Integrator)
 Title : PEST/PCB
 Last Update : Tue Nov 02 16:34:26 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 SAB Tetrachloro-m-xylene	3.334	3.115 E6	6.6	97	0.00	1.95-	2.01
2 Hexachlorobenzene	4.084	3.693 E6	9.6	97	0.00	2.20-	2.26
3 A alpha-BHC	4.702	4.534 E6	3.6	98	0.00	2.31-	2.37
4 MA gamma-BHC	4.286	4.061 E6	5.2	97	0.00	2.55-	2.61
5 MA Heptachlor	4.492	4.189 E6	6.7	97	0.00	2.94-	3.02
6 B beta-BHC	2.114	1.911 E6	9.6	98	0.00	2.61-	2.67
7 B delta-BHC	4.226	4.005 E6	5.2	96	0.00	2.76-	2.82
8 MB Aldrin	4.077	3.884 E6	4.7	98	0.00	3.23-	3.30
9 B Heptachlor Epoxide	3.999	3.705 E6	7.4	97	0.00	3.85-	3.95
10 B gamma-Chlordane	3.949	3.673 E6	7.0	97	0.00	4.01-	4.08
11 B alpha-Chlordane	3.909	3.591 E6	8.1	97	0.00	4.15-	4.25
12 A Endosulfan I	3.778	3.463 E6	8.3	97	0.00	4.33-	4.40
13 B 4,4'-DDE	3.733	3.567 E6	4.4	97	0.00	4.26-	4.33
14 MA Dieldrin	3.979	3.793 E6	4.7	98	0.00	4.63-	4.70
15 MA Endrin	3.741	3.645 E6	2.6	100	0.00	4.91-	5.02
16 A 4,4'-DDD	3.220	3.134 E6	2.7	100	0.00	5.03-	5.11
17 B Endosulfan II	3.584	3.314 E6	7.5	97	0.00	5.23-	5.31
18 MA 4,4'-DDT	3.360	3.095 E6	7.9	95	0.00	5.41-	5.52
19 B Endrin Aldehyde	3.183	2.749 E6	13.6	97	0.00	5.83-	5.91
20 B Endosulfan Sulfate	3.356	3.043 E6	9.3	96	0.00	6.49-	6.56
21 A Methoxychlor	1.874	1.696 E6	9.5	96	0.00	6.16-	6.26
22 Mirex	2.992	2.641 E6	11.7	97	0.00	6.29-	6.39
23 B Endrin Ketone	4.182	3.862 E6	7.7	96	0.00	6.91-	6.99
24 L8 Toxaphene{A}		-----NA-----					
25 L8 Toxaphene{B}		-----NA-----					
26 L8 Toxaphene{C}		-----NA-----					
27 L8 Toxaphene{D}		-----NA-----					
28 L8 Toxaphene{E}		-----NA-----					
29 Chlordane {A}		-----NA-----					
30 Chlordane {B}		-----NA-----					
31 Chlordane {C}		-----NA-----					
32 Chlordane {D}		-----NA-----					
33 Chlordane {E}		-----NA-----					
34 SA Decachlorobiphenyl	3.128	2.719 E6	13.1	93	0.00	8.67-	8.74

***** Signal #2 *****

1 SAB Tetrachloro-m-xylene	2.831	2.603 E6	8.1	96	0.00	2.30-	2.36
2 Hexachlorobenzene	3.545	3.213 E6	9.4	95	0.00	2.69-	2.75
3 A alpha-BHC	3.245	3.406 E6	-5.0	95	0.00	2.80-	2.86
4 MA gamma-BHC	3.126	3.154 E6	-0.9	93	0.00	3.14-	3.20

Continuing Calibration Summary

Page 2 of 2

Job Number: JA58900

Sample: G4G29-CC19

Account: ENSRMAA AECOM, INC.

Lab FileID: 4G1024.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

5	MA	Heptachlor	3.341	3.061 E6	8.4	95	0.00	3.64- 3.70
6	B	beta-BHC	1.709	1.547 E6	9.5	94	0.00	3.21- 3.27
7	B	delta-BHC	2.966	3.060 E6	-3.2	95	0.00	3.54- 3.60
8	MB	Aldrin	2.688	2.728 E6	-1.5	95	0.00	4.02- 4.08
9	B	Heptachlor Epoxide	2.915	2.691 E6	7.7	95	0.00	4.75- 4.81
10	B	gamma-Chlordane	2.921	2.675 E6	8.4	95	0.00	5.01- 5.07
11	B	alpha-Chlordane	2.893	2.636 E6	8.9	95	0.00	5.21- 5.27
12	A	Endosulfan I	2.669	2.431 E6	8.9	94	0.00	5.29- 5.35
13	B	4,4'-DDE	2.422	2.453 E6	-1.3	94	0.00	5.45- 5.51
14	MA	Dieldrin	2.783	2.614 E6	6.1	96	0.00	5.69- 5.75
15	MA	Endrin	2.605	2.436 E6	6.5	97	0.00	6.15- 6.21
16	A	4,4'-DDD	2.222	2.107 E6	5.2	96	0.00	6.33- 6.39
17	B	Endosulfan II	2.532	2.340 E6	7.6	95	0.00	6.47- 6.53
18	MA	4,4'-DDT	2.343	2.102 E6	10.3	91	0.00	6.84- 6.90
19	B	Endrin Aldehyde	2.211	1.952 E6	11.7	93	0.00	7.01- 7.07
20	B	Endosulfan Sulfate	2.369	2.100 E6	11.4	92	0.00	7.47- 7.53
21	A	Methoxychlor	1.402	1.235 E6	11.9	92	0.00	8.00- 8.06
22		Mirex	2.185	1.948 E6	10.8	96	0.00	8.30- 8.36
23	B	Endrin Ketone	3.022	2.769 E6	8.4	94	0.00	8.36- 8.43
24	L8	Toxaphene{A}			-----NA-----			
25	L8	Toxaphene{B}			-----NA-----			
26	L8	Toxaphene{C}			-----NA-----			
27	L8	Toxaphene{D}			-----NA-----			
28	L8	Toxaphene{E}			-----NA-----			
29		Chlordane {A}			-----NA-----			
30		Chlordane {B}			-----NA-----			
31		Chlordane {C}			-----NA-----			
32		Chlordane {D}			-----NA-----			
33		Chlordane {E}			-----NA-----			
34	SA	Decachlorobiphenyl	2.037	1.788 E6	12.2	94	0.00	10.34-10.40

(#) = Out of Range
4g977.D 4pst19.M

SPCC's out = 0 CCC's out = 0
Wed Nov 03 13:35:35 2010 RPT1

9.8.26
9

Initial Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GEF4061-ICC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93571.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report gcef

Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)

Title : GC/ECD- PCB

Last Update : Thu Oct 14 14:46:35 2010

Calibration Files

3000	=EF93573.D	2000	=EF93572.D	1000	=EF93571.D
500	=EF93570.D	250	=EF93569.D	50	=EF93568.D

	Compound	3000	2000	1000	500	250	50	Avg	%RSD
1) S	Tetrachloro-m-xylene	1.726	1.661	1.573	1.439	1.375	1.337	1.519 E4	10.47
2)	AR1221-A			1.850				1.850 E2	0.00
3)	AR1221-B			1.907				1.907 E2	0.00
4)	AR1221-C			6.547				6.547 E2	0.00
5)	AR1221-D			5.154				5.154 E1	0.00
6)	AR1221-E			7.854				7.854 E1	0.00
7)	AR1232-A			5.457				5.457 E2	0.00
8)	AR1232-B			3.500				3.500 E2	0.00
9)	AR1232-C			6.544				6.544 E2	0.00
10)	AR1232-D			2.613				2.613 E2	0.00
11)	AR1232-E			2.460				2.460 E2	0.00
12)	AR1242-A			6.093				6.093 E2	0.00
13)	AR1242-B			1.210				1.210 E3	0.00
14)	AR1242-C			8.677				8.677 E2	0.00
15)	AR1242-D			5.031				5.031 E2	0.00
16)	AR1242-E			7.650				7.650 E2	0.00
17)	AR1248-A			2.919				2.919 E2	0.00
18)	AR1248-B			7.662				7.662 E2	0.00
19)	AR1248-C			8.705				8.705 E2	0.00
20)	AR1248-D			7.711				7.711 E2	0.00
21)	AR1248-E			7.082				7.082 E2	0.00
22)	AR1248-F			1.314				1.314 E3	0.00
23)	AR1248-G			1.193				1.193 E3	0.00
24)	AR1254-A			6.443				6.443 E2	0.00
25)	AR1254-B			1.173				1.173 E3	0.00
26)	AR1254-C			6.463				6.463 E2	0.00
27)	AR1254-D			1.199				1.199 E3	0.00
28)	AR1254-E			8.716				8.716 E2	0.00
29)	AR1254-F			8.336				8.336 E2	0.00
30)	AR1254-G			1.103				1.103 E3	0.00
31)	AR1262-A			8.483				8.483 E2	0.00
32)	AR1262-B			1.101				1.101 E3	0.00
33)	AR1262-C			9.852				9.852 E2	0.00
34)	AR1262-D			2.162				2.162 E3	0.00
35)	AR1262-E			2.545				2.545 E3	0.00
36)	AR1268-A			2.015				2.015 E3	0.00
37)	AR1268-B			2.733				2.733 E3	0.00
38)	AR1268-C			1.718				1.718 E3	0.00
39)	AR1268-D			7.173				7.173 E2	0.00
40)	AR1268-E			4.628				4.628 E3	0.00
41)	AR1016-A	3.887	3.922	4.208	4.375	4.405	4.471	4.211 E2	6.01
42)	AR1016-B	6.336	6.492	7.202	7.551	7.804	8.480	7.311 E2	11.11
43)	AR1016-C	1.353	1.361	1.448	1.443	1.400	1.383	1.398 E3	2.90
44)	AR1016-D	0.898	0.926	1.039	1.097	1.133	1.239	1.055 E3	12.20
45)	AR1016-E	5.500	5.534	5.974	6.027	5.972	5.950	5.826 E2	4.14
46)	AR1260-A	1.374	1.422	1.580	1.639	1.686	1.750	1.575 E3	9.45
47)	AR1260-B	1.239	1.260	1.355	1.382	1.314	1.275	1.304 E3	4.30
48)	AR1260-C	6.988	7.115	7.690	7.757	7.690	7.575	7.469 E2	4.43

9.8.27
9

Initial Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GEF4061-ICC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93571.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

49)	AR1260-D	1.689	1.719	1.848	1.850	1.813	1.727	1.774	E3	4.01
50)	AR1260-E	1.761	1.776	1.874	1.821	1.742	1.650	1.771	E3	4.28
51) S	Decachlorobiphenyl	1.586	1.630	1.726	1.755	1.810		1.701	E4	5.40

Signal #2 Calibration Files

3000	=EF93573.D	2000	=EF93572.D	1000	=EF93571.D
500	=EF93570.D	250	=EF93569.D	50	=EF93568.D

	Compound	3000	2000	1000	500	250	50	Avg		%RSD
1) S	Tetrachloro-m-xylen	2.231	2.106	1.944	1.755	1.675	1.627	1.890	E4	12.95
2)	AR1221-A			2.635				2.635	E2	0.00
3)	AR1221-B			2.246				2.246	E2	0.00
4)	AR1221-C			6.924				6.924	E2	0.00
5)	AR1221-D			9.429				9.429	E1	0.00
6)	AR1221-E			8.559				8.559	E1	0.00
7)	AR1232-A			6.214				6.214	E2	0.00
8)	AR1232-B			4.456				4.456	E2	0.00
9)	AR1232-C			7.234				7.234	E2	0.00
10)	AR1232-D			3.457				3.457	E2	0.00
11)	AR1232-E			3.017				3.017	E2	0.00
12)	AR1242-A			7.807				7.807	E2	0.00
13)	AR1242-B			1.366				1.366	E3	0.00
14)	AR1242-C			7.605				7.605	E2	0.00
15)	AR1242-D			6.346				6.346	E2	0.00
16)	AR1242-E			6.372				6.372	E2	0.00
17)	AR1248-A			3.710				3.710	E2	0.00
18)	AR1248-B			7.959				7.959	E2	0.00
19)	AR1248-C			1.137				1.137	E3	0.00
20)	AR1248-D			1.013				1.013	E3	0.00
21)	AR1248-E			8.718				8.718	E2	0.00
22)	AR1248-F			1.907				1.907	E3	0.00
23)	AR1248-G			1.178				1.178	E3	0.00
24)	AR1254-A			1.267				1.267	E3	0.00
25)	AR1254-B			9.744				9.744	E2	0.00
26)	AR1254-C			7.224				7.224	E2	0.00
27)	AR1254-D			1.578				1.578	E3	0.00
28)	AR1254-E			7.030				7.030	E2	0.00
29)	AR1254-F			1.069				1.069	E3	0.00
30)	AR1254-G			1.414				1.414	E3	0.00
31)	AR1262-A			1.088				1.088	E3	0.00
32)	AR1262-B			1.376				1.376	E3	0.00
33)	AR1262-C			1.335				1.335	E3	0.00
34)	AR1262-D			2.603				2.603	E3	0.00
35)	AR1262-E			3.151				3.151	E3	0.00
36)	AR1268-A			2.485				2.485	E3	0.00
37)	AR1268-B			3.677				3.677	E3	0.00
38)	AR1268-C			2.267				2.267	E3	0.00
39)	AR1268-D			8.859				8.859	E2	0.00
40)	AR1268-E			6.108				6.108	E3	0.00
41)	AR1016-A	4.756	4.779	5.082	5.077	5.091	4.809	4.932	E2	3.37
42)	AR1016-B	8.526	8.662	9.368	9.534	9.614	9.904	9.268	E2	5.96
43)	AR1016-C	1.640	1.630	1.688	1.612	1.526	1.476	1.595	E3	4.94
44)	AR1016-D	8.842	8.941	9.598	9.565	9.448	8.684	9.180	E2	4.39
45)	AR1016-E	7.708	7.556	7.901	7.672	7.488	7.123	7.575	E2	3.47
46)	AR1260-A	1.255	1.281	1.394	1.404	1.393	1.380	1.351	E3	4.85
47)	AR1260-B	1.644	1.656	1.749	1.717	1.633	1.548	1.658	E3	4.22
48)	AR1260-C	1.020	1.032	1.089	1.078	1.053	1.025	1.049	E3	2.74
49)	AR1260-D	2.149	2.159	2.281	2.253	2.175	1.936	2.159	E3	5.63
50)	AR1260-E	2.217	2.222	2.317	2.240	2.126	1.994	2.186	E3	5.13

9.8.27

9

Initial Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GEF4061-ICC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93571.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

51)	S	Decachlorobiphenyl	2.071	2.090	2.166	2.144	2.133	2.203	2.134	E4	2.28
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(#) = Out of Range

PCB4061.M

Thu Oct 14 14:58:04 2010

GCEF

9.8.27

9

Initial Calibration Verification

Page 1 of 3

Job Number: JA58900

Sample: GEF4061-ICV4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93574.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GEF4061\EF93574.D\ECD1A.CH Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\GEF4061\EF93574.D\ECD2B.CH
 Acq On : 14 Oct 2010 1:19 pm Operator: vinced
 Sample : icv4061-1000 Inst : gcef
 Misc : OP46105,GEF4061,940,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
 Title : GC/ECD- PCB
 Last Update : Thu Oct 14 14:46:35 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 S	Tetrachloro-m-xylene			-----NA-----				
2	AR1221-A			-----NA-----				
3	AR1221-B			-----NA-----				
4	AR1221-C			-----NA-----				
5	AR1221-D			-----NA-----				
6	AR1221-E			-----NA-----				
7	AR1232-A			-----NA-----				
8	AR1232-B			-----NA-----				
9	AR1232-C			-----NA-----				
10	AR1232-D			-----NA-----				
11	AR1232-E			-----NA-----				
12	AR1242-A			-----NA-----				
13	AR1242-B			-----NA-----				
14	AR1242-C			-----NA-----				
15	AR1242-D			-----NA-----				
16	AR1242-E			-----NA-----				
17	AR1248-A			-----NA-----				
18	AR1248-B			-----NA-----				
19	AR1248-C			-----NA-----				
20	AR1248-D			-----NA-----				
21	AR1248-E			-----NA-----				
22	AR1248-F			-----NA-----				
23	AR1248-G			-----NA-----				
24	AR1254-A			-----NA-----				
25	AR1254-B			-----NA-----				
26	AR1254-C			-----NA-----				
27	AR1254-D			-----NA-----				
28	AR1254-E			-----NA-----				
29	AR1254-F			-----NA-----				
30	AR1254-G			-----NA-----				
31	AR1262-A			-----NA-----				
32	AR1262-B			-----NA-----				
33	AR1262-C			-----NA-----				
34	AR1262-D			-----NA-----				
35	AR1262-E			-----NA-----				
36	AR1268-A			-----NA-----				
37	AR1268-B			-----NA-----				
38	AR1268-C			-----NA-----				
39	AR1268-D			-----NA-----				
40	AR1268-E			-----NA-----				
41	AR1016-A	421.128	425.267	-1.0	101	0.00	3.64-	3.70

9.8.28

9

Initial Calibration Verification

Page 2 of 3

Job Number: JA58900

Sample: GEF4061-ICV4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93574.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1016-B	731.090	717.546	1.9	100	0.00	4.15- 4.21
43	AR1016-C	1.398	1.440 E3	-3.0	99	0.00	4.85- 4.91
44	AR1016-D	1055.433	1028.041	2.6	99	0.00	5.35- 5.41
45	AR1016-E	582.613	590.279	-1.3	99	0.00	5.68- 5.74
46	AR1260-A	1.575	1.494 E3	5.1	95	0.00	7.96- 8.02
47	AR1260-B	1.304	1.301 E3	0.2	96	0.01	8.40- 8.46
48	AR1260-C	746.937	751.554	-0.6	98	0.00	8.95- 9.01
49	AR1260-D	1.774	1.827 E3	-3.0	99	0.00	9.43- 9.49
50	AR1260-E	1.771	1.803 E3	-1.8	96	0.00	9.89- 9.95
51 S	Decachlorobiphenyl						-----NA-----

***** Signal #2 *****

1 S	Tetrachloro-m-xylene						-----NA-----
2	AR1221-A						-----NA-----
3	AR1221-B						-----NA-----
4	AR1221-C						-----NA-----
5	AR1221-D						-----NA-----
6	AR1221-E						-----NA-----
7	AR1232-A						-----NA-----
8	AR1232-B						-----NA-----
9	AR1232-C						-----NA-----
10	AR1232-D						-----NA-----
11	AR1232-E						-----NA-----
12	AR1242-A						-----NA-----
13	AR1242-B						-----NA-----
14	AR1242-C						-----NA-----
15	AR1242-D						-----NA-----
16	AR1242-E						-----NA-----
17	AR1248-A						-----NA-----
18	AR1248-B						-----NA-----
19	AR1248-C						-----NA-----
20	AR1248-D						-----NA-----
21	AR1248-E						-----NA-----
22	AR1248-F						-----NA-----
23	AR1248-G						-----NA-----
24	AR1254-A						-----NA-----
25	AR1254-B						-----NA-----
26	AR1254-C						-----NA-----
27	AR1254-D						-----NA-----
28	AR1254-E						-----NA-----
29	AR1254-F						-----NA-----
30	AR1254-G						-----NA-----
31	AR1262-A						-----NA-----
32	AR1262-B						-----NA-----
33	AR1262-C						-----NA-----
34	AR1262-D						-----NA-----
35	AR1262-E						-----NA-----
36	AR1268-A						-----NA-----
37	AR1268-B						-----NA-----
38	AR1268-C						-----NA-----
39	AR1268-D						-----NA-----
40	AR1268-E						-----NA-----
41	AR1016-A	493.244	513.859	-4.2	101	0.00	3.75- 3.81
42	AR1016-B	926.801	934.826	-0.9	100	0.00	4.33- 4.39
43	AR1016-C	1.595	1.663 E3	-4.3	99	0.00	5.01- 5.07
44	AR1016-D	917.981	952.937	-3.8	99	0.00	5.56- 5.62
45	AR1016-E	757.483	780.856	-3.1	99	0.00	5.90- 5.96
46	AR1260-A	1.351	1.335 E3	1.2	96	0.00	8.16- 8.22
47	AR1260-B	1.658	1.649 E3	0.5	94	0.00	8.70- 8.76

9.8.28

9

Initial Calibration Verification

Page 3 of 3

Job Number: JA58900

Sample: GEF4061-ICV4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93574.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

48	AR1260-C	1.049	1.060	E3	-1.0	97	0.00	9.29- 9.35
49	AR1260-D	2.159	2.272	E3	-5.2	100	0.00	9.69- 9.75
50	AR1260-E	2.186	2.204	E3	-0.8	95	0.00	10.25-10.31
51 S	Decachlorobiphenyl				-----NA-----			

Average % D = 2.3

(0.0 %) 0 of 20 compounds'%D > 15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

EF93571.D PCB4061.M

Thu Oct 14 14:58:07 2010 GCEF

9.8.28

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93906.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93906.D\ECD1A.CH Vial: 10
 Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93906.D\ECD2B.CH
 Acq On : 28 Oct 2010 1:54 pm Operator: vinced
 Sample : cc4061-1000 Inst : gcef
 Misc : OP46320,GEF4072,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
 Title : GC/ECD- PCB
 Last Update : Mon Nov 01 10:42:08 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	15.186	15.592 E3	-2.7	99	0.03	3.18- 3.24
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1248-G			-----NA-----			
24	AR1254-A			-----NA-----			
25	AR1254-B			-----NA-----			
26	AR1254-C			-----NA-----			
27	AR1254-D			-----NA-----			
28	AR1254-E			-----NA-----			
29	AR1254-F			-----NA-----			
30	AR1254-G			-----NA-----			
31	AR1262-A			-----NA-----			
32	AR1262-B			-----NA-----			
33	AR1262-C			-----NA-----			
34	AR1262-D			-----NA-----			
35	AR1262-E			-----NA-----			
36	AR1268-A			-----NA-----			
37	AR1268-B			-----NA-----			
38	AR1268-C			-----NA-----			
39	AR1268-D			-----NA-----			
40	AR1268-E			-----NA-----			
41	AR1016-A	421.128	432.848	-2.8	103	0.03	3.68- 3.74

9.8.29

9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93906.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1016-B	731.090	705.492	3.5	98	0.02	4.19- 4.25
43	AR1016-C	1.398	1.449 E3	-3.6	100	0.03	4.89- 4.95
44	AR1016-D	1055.433	1004.157	4.9	97	0.02	5.38- 5.44
45	AR1016-E	582.613	580.175	0.4	97	0.04	5.70- 5.76
46	AR1260-A	1.575	1.433 E3	9.0	91	0.04	7.98- 8.04
47	AR1260-B	1.304	1.199 E3	8.1	88	0.05	8.42- 8.48
48	AR1260-C	746.937	655.774	12.2	85	0.05	8.97- 9.03
49	AR1260-D	1.774	1.595 E3	10.1	86	0.06	9.45- 9.51
50	AR1260-E	1.771	1.610 E3	9.1	86	0.06	9.91- 9.97
51 S	Decachlorobiphenyl	17.015	14.929 E3	12.3	86	0.08	11.59-11.65

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.897	20.332 E3	-7.6	105	0.03	3.13- 3.19
2	AR1221-A						
3	AR1221-B						
4	AR1221-C						
5	AR1221-D						
6	AR1221-E						
7	AR1232-A						
8	AR1232-B						
9	AR1232-C						
10	AR1232-D						
11	AR1232-E						
12	AR1242-A						
13	AR1242-B						
14	AR1242-C						
15	AR1242-D						
16	AR1242-E						
17	AR1248-A						
18	AR1248-B						
19	AR1248-C						
20	AR1248-D						
21	AR1248-E						
22	AR1248-F						
23	AR1248-G						
24	AR1254-A						
25	AR1254-B						
26	AR1254-C						
27	AR1254-D						
28	AR1254-E						
29	AR1254-F						
30	AR1254-G						
31	AR1262-A						
32	AR1262-B						
33	AR1262-C						
34	AR1262-D						
35	AR1262-E						
36	AR1268-A						
37	AR1268-B						
38	AR1268-C						
39	AR1268-D						
40	AR1268-E						
41	AR1016-A	493.244	523.238	-6.1	103	0.02	3.79- 3.85
42	AR1016-B	926.801	917.058	1.1	98	0.02	4.36- 4.42
43	AR1016-C	1.595	1.721 E3	-7.9	102	0.02	5.04- 5.10
44	AR1016-D	917.981	929.271	-1.2	97	0.03	5.59- 5.65
45	AR1016-E	757.483	766.230	-1.2	97	0.03	5.92- 5.98
46	AR1260-A	1.351	1.264 E3	6.4	91	0.04	8.17- 8.23
47	AR1260-B	1.658	1.566 E3	5.5	90	0.05	8.72- 8.78

9.8.29

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93906.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

48	AR1260-C	1.049	0.915 E3	12.8	84	0.05	9.31- 9.37
49	AR1260-D	2.159	1.996 E3	7.5	88	0.05	9.70- 9.76
50	AR1260-E	2.186	1.981 E3	9.4	85	0.06	10.27-10.33
51 S	Decachlorobiphenyl	21.344	19.109 E3	10.5	88	0.07	12.06-12.12

Average % D = 6.5

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

EFTST3.D PCB4061.M

Tue Nov 02 14:16:01 2010 GCEF

9.8.29

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93917.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93917.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93917.D\ECD2B.CH
Acq On : 28 Oct 2010 5:11 pm Operator: vinced
Sample : cc4061-500 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Mon Nov 01 10:42:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 S	Tetrachloro-m-xylene	15.186	14.947 E3	1.6	104	0.02	3.17-	3.23
2	AR1221-A			-----NA-----				
3	AR1221-B			-----NA-----				
4	AR1221-C			-----NA-----				
5	AR1221-D			-----NA-----				
6	AR1221-E			-----NA-----				
7	AR1232-A			-----NA-----				
8	AR1232-B			-----NA-----				
9	AR1232-C			-----NA-----				
10	AR1232-D			-----NA-----				
11	AR1232-E			-----NA-----				
12	AR1242-A			-----NA-----				
13	AR1242-B			-----NA-----				
14	AR1242-C			-----NA-----				
15	AR1242-D			-----NA-----				
16	AR1242-E			-----NA-----				
17	AR1248-A			-----NA-----				
18	AR1248-B			-----NA-----				
19	AR1248-C			-----NA-----				
20	AR1248-D			-----NA-----				
21	AR1248-E			-----NA-----				
22	AR1248-F			-----NA-----				
23	AR1248-G			-----NA-----				
24	AR1254-A			-----NA-----				
25	AR1254-B			-----NA-----				
26	AR1254-C			-----NA-----				
27	AR1254-D			-----NA-----				
28	AR1254-E			-----NA-----				
29	AR1254-F			-----NA-----				
30	AR1254-G			-----NA-----				
31	AR1262-A			-----NA-----				
32	AR1262-B			-----NA-----				
33	AR1262-C			-----NA-----				
34	AR1262-D			-----NA-----				
35	AR1262-E			-----NA-----				
36	AR1268-A			-----NA-----				
37	AR1268-B			-----NA-----				
38	AR1268-C			-----NA-----				
39	AR1268-D			-----NA-----				
40	AR1268-E			-----NA-----				
41	AR1016-A	421.128	454.139	-7.8	104	0.02	3.67-	3.73

9.8.30

9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93917.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1016-B	731.090	761.592	-4.2	101	0.01	4.18- 4.24
43	AR1016-C	1.398	1.502 E3	-7.4	104	0.01	4.87- 4.93
44	AR1016-D	1055.433	1130.154	-7.1	103	0.01	5.37- 5.43
45	AR1016-E	582.613	622.520	-6.8	103	0.01	5.68- 5.74
46	AR1260-A	1.575	1.624 E3	-3.1	99	0.03	7.97- 8.03
47	AR1260-B	1.304	1.328 E3	-1.8	96	0.03	8.40- 8.46
48	AR1260-C	746.937	754.833	-1.1	97	0.04	8.96- 9.02
49	AR1260-D	1.774	1.832 E3	-3.3	99	0.04	9.44- 9.50
50	AR1260-E	1.771	1.807 E3	-2.0	99	0.05	9.90- 9.96
51 S	Decachlorobiphenyl	17.015	18.364 E3	-7.9	105	0.06	11.58-11.64

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.897	19.472 E3	-3.0	111	0.02	3.12- 3.18
2	AR1221-A						
3	AR1221-B						
4	AR1221-C						
5	AR1221-D						
6	AR1221-E						
7	AR1232-A						
8	AR1232-B						
9	AR1232-C						
10	AR1232-D						
11	AR1232-E						
12	AR1242-A						
13	AR1242-B						
14	AR1242-C						
15	AR1242-D						
16	AR1242-E						
17	AR1248-A						
18	AR1248-B						
19	AR1248-C						
20	AR1248-D						
21	AR1248-E						
22	AR1248-F						
23	AR1248-G						
24	AR1254-A						
25	AR1254-B						
26	AR1254-C						
27	AR1254-D						
28	AR1254-E						
29	AR1254-F						
30	AR1254-G						
31	AR1262-A						
32	AR1262-B						
33	AR1262-C						
34	AR1262-D						
35	AR1262-E						
36	AR1268-A						
37	AR1268-B						
38	AR1268-C						
39	AR1268-D						
40	AR1268-E						
41	AR1016-A	493.244	549.386	-11.4	108	0.02	3.79- 3.85
42	AR1016-B	926.801	999.516	-7.8	105	0.01	4.36- 4.42
43	AR1016-C	1.595	1.764 E3	-10.6	109	0.02	5.03- 5.09
44	AR1016-D	917.981	1001.876	-9.1	105	0.01	5.58- 5.64
45	AR1016-E	757.483	842.545	-11.2	110	0.02	5.91- 5.97
46	AR1260-A	1.351	1.453 E3	-7.5	103	0.03	8.16- 8.22
47	AR1260-B	1.658	1.764 E3	-6.4	103	0.04	8.71- 8.77

9.8.30

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93917.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

48	AR1260-C	1.049	1.096	E3	-4.5	102	0.04	9.30- 9.36
49	AR1260-D	2.159	2.337	E3	-8.2	104	0.04	9.69- 9.75
50	AR1260-E	2.186	2.310	E3	-5.7	103	0.05	10.26-10.32
51 S	Decachlorobiphenyl	21.344	24.085	E3	-12.8	112	0.06	12.05-12.11

Average % D = 6.4

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

EF93570.D PCB4061.M

Tue Nov 02 14:16:39 2010 GCEF

9.8.30

9

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93928.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93928.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93928.D\ECD2B.CH
Acq On : 28 Oct 2010 8:56 pm Operator: vinced
Sample : cc4061-1000 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Mon Nov 01 10:42:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	15.186	15.978 E3	-5.2	102	0.01	3.16- 3.22
2	AR1221-A			-----NA-----			
3	AR1221-B			-----NA-----			
4	AR1221-C			-----NA-----			
5	AR1221-D			-----NA-----			
6	AR1221-E			-----NA-----			
7	AR1232-A			-----NA-----			
8	AR1232-B			-----NA-----			
9	AR1232-C			-----NA-----			
10	AR1232-D			-----NA-----			
11	AR1232-E			-----NA-----			
12	AR1242-A			-----NA-----			
13	AR1242-B			-----NA-----			
14	AR1242-C			-----NA-----			
15	AR1242-D			-----NA-----			
16	AR1242-E			-----NA-----			
17	AR1248-A			-----NA-----			
18	AR1248-B			-----NA-----			
19	AR1248-C			-----NA-----			
20	AR1248-D			-----NA-----			
21	AR1248-E			-----NA-----			
22	AR1248-F			-----NA-----			
23	AR1248-G			-----NA-----			
24	AR1254-A			-----NA-----			
25	AR1254-B			-----NA-----			
26	AR1254-C			-----NA-----			
27	AR1254-D			-----NA-----			
28	AR1254-E			-----NA-----			
29	AR1254-F			-----NA-----			
30	AR1254-G			-----NA-----			
31	AR1262-A			-----NA-----			
32	AR1262-B			-----NA-----			
33	AR1262-C			-----NA-----			
34	AR1262-D			-----NA-----			
35	AR1262-E			-----NA-----			
36	AR1268-A			-----NA-----			
37	AR1268-B			-----NA-----			
38	AR1268-C			-----NA-----			
39	AR1268-D			-----NA-----			
40	AR1268-E			-----NA-----			
41	AR1016-A	421.128	433.526	-2.9	103	0.01	3.67- 3.73

9.8.31
9

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93928.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

42	AR1016-B	731.090	715.344	2.2	99	0.00	4.17- 4.23
43	AR1016-C	1.398	1.459 E3	-4.4	101	0.00	4.87- 4.93
44	AR1016-D	1055.433	1063.096	-0.7	102	0.00	5.36- 5.42
45	AR1016-E	582.613	603.378	-3.6	101	0.00	5.68- 5.74
46	AR1260-A	1.575	1.560 E3	1.0	99	0.03	7.96- 8.02
47	AR1260-B	1.304	1.329 E3	-1.9	98	0.03	8.40- 8.46
48	AR1260-C	746.937	753.501	-0.9	98	0.03	8.95- 9.01
49	AR1260-D	1.774	1.855 E3	-4.6	100	0.04	9.43- 9.49
50	AR1260-E	1.771	1.896 E3	-7.1	101	0.04	9.89- 9.95
51 S	Decachlorobiphenyl	17.015	18.116 E3	-6.5	105	0.06	11.57-11.63

***** Signal #2 *****

1 S	Tetrachloro-m-xylene	18.897	20.719 E3	-9.6	107	0.02	3.12- 3.18
2	AR1221-A						
3	AR1221-B						
4	AR1221-C						
5	AR1221-D						
6	AR1221-E						
7	AR1232-A						
8	AR1232-B						
9	AR1232-C						
10	AR1232-D						
11	AR1232-E						
12	AR1242-A						
13	AR1242-B						
14	AR1242-C						
15	AR1242-D						
16	AR1242-E						
17	AR1248-A						
18	AR1248-B						
19	AR1248-C						
20	AR1248-D						
21	AR1248-E						
22	AR1248-F						
23	AR1248-G						
24	AR1254-A						
25	AR1254-B						
26	AR1254-C						
27	AR1254-D						
28	AR1254-E						
29	AR1254-F						
30	AR1254-G						
31	AR1262-A						
32	AR1262-B						
33	AR1262-C						
34	AR1262-D						
35	AR1262-E						
36	AR1268-A						
37	AR1268-B						
38	AR1268-C						
39	AR1268-D						
40	AR1268-E						
41	AR1016-A	493.244	529.291	-7.3	104	0.01	3.78- 3.84
42	AR1016-B	926.801	949.734	-2.5	101	0.00	4.35- 4.41
43	AR1016-C	1.595	1.749 E3	-9.7	104	0.00	5.02- 5.08
44	AR1016-D	917.981	1014.806	-10.5	106	0.01	5.57- 5.63
45	AR1016-E	757.483	826.251	-9.1	105	0.01	5.91- 5.97
46	AR1260-A	1.351	1.434 E3	-6.1	103	0.02	8.16- 8.22
47	AR1260-B	1.658	1.796 E3	-8.3	103	0.03	8.70- 8.76

9.8.31

9

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GEF4072-CC4061

Account: ENSRMAA AECOM, INC.

Lab FileID: EF93928.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

48	AR1260-C	1.049	1.116	E3	-6.4	103	0.03	9.29- 9.35
49	AR1260-D	2.159	2.396	E3	-11.0	105	0.04	9.69- 9.75
50	AR1260-E	2.186	2.446	E3	-11.9	106	0.04	10.25-10.31
51 S	Decachlorobiphenyl	21.344	24.328	E3	-14.0	112	0.06	12.05-12.11

Average % D = 6.1

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

EFTST3.D PCB4061.M

Tue Nov 02 14:17:32 2010 GCEF

9.8.31

9

Initial Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3143-ICC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW90009.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report GCWW

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)

Title : HERB

Last Update : Wed May 05 08:26:25 2010

Calibration Files

500	=WW90007.D	400	=WW90008.D	300	=WW90009.D
200	=WW90010.D	100	=WW90011.D	50	=WW90012.D

Compound		500	400	300	200	100	50	Avg	%RSD
1)	Dalapon	3.384	3.391	3.386	3.481	3.754	3.416	3.469 E6	4.17
2) S	2,4-DCAA	2.108	2.082	2.107	2.205	2.426	2.266	2.199 E6	5.97
3)	Dicamba	1.093	1.073	1.065	1.128	1.210	1.168	1.123 E7	5.10
4)	MCCP	5.544	5.431	5.189	5.689	5.172	3.811	5.139 E3	13.26
5)	MCPA	0.889	0.901	0.829	1.060	1.077	1.097	0.976 E4	11.85
6)	Dichloroprop	3.166	3.154	3.117	3.358	3.535	3.094	3.237 E6	5.35
7)	2,4-D	3.124	3.109	3.064	3.236	3.293	2.860	3.114 E6	4.85
8)	Pentachlorophenol	4.703	4.603	4.499	4.603	4.650	4.197	4.543 E7	4.01
9)	2,4,5-TP	1.853	1.809	1.777	1.798	1.898	1.584	1.786 E7	6.05
10)	2,4,5-T	1.632	1.594	1.578	1.595	1.725	1.041	1.528 E7	15.99
11)	2,4-DB	1.646	1.567	1.493	1.534	1.579	1.463	1.547 E6	4.22
12)	Dinoseb	1.534	1.583	1.640	1.744	1.920	1.833	1.709 E7	8.76
13)	Picloram	2.046	1.888	1.764	1.604	1.469	1.095	1.644 E7	20.52

Signal #2 Calibration Files

500	=WW90007.D	400	=WW90008.D	300	=WW90009.D
200	=WW90010.D	100	=WW90011.D	50	=WW90046.D

Compound		500	400	300	200	100	50	Avg	%RSD
1)	Dalapon	1.552	1.561	1.528	1.645	1.820	1.695	1.634 E6	6.81
2) S	2,4-DCAA	0.898	0.894	0.896	0.931	1.032	0.988	0.940 E6	6.13
3)	Dicamba	4.192	4.220	4.211	4.313	4.678	4.604	4.370 E6	4.93
4)	MCCP	2.498	3.166	2.619	2.777	3.170	4.062	3.049 E3	18.65
5)	MCPA	3.970	4.239	4.440	5.021	6.141		4.762 E3	18.10
6)	Dichloroprop	1.198	1.202	1.222	1.324	1.580	1.519	1.341 E6	12.61
7)	2,4-D	1.306	1.336	1.379	1.427	1.623	1.409	1.413 E6	7.92
8)	Pentachlorophenol	1.834	1.775	1.736	1.710	1.753	1.474	1.714 E7	7.28
9)	2,4,5-TP	7.373	7.159	7.021	7.023	7.410	6.455	7.074 E6	4.89
10)	2,4,5-T	6.187	5.912	6.694	5.779	6.172	5.236	5.997 E6	8.12
11)	2,4-DB	6.804	6.860	7.165	7.446	8.458	6.874	7.268 E5	8.69
12)	Dinoseb	4.999	4.963	4.906	5.022	5.133	4.560	4.931 E6	3.98
13)	Picloram	9.214	8.855	8.497	8.265	8.116	6.560	8.251 E6	11.15

(#)= Out of Range

HWW3143.M

Wed May 05 11:36:24 2010 GCCD

9.8.32

9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900**Sample:** GWW3143-ICV3143**Account:** ENSRMAA AECOM, INC.**Lab FileID:** WW90013.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	RT Window
1	Dalapon	3.469	3.452 E6	0.5	102	0.00	5.91- 6.33
2 S	2,4-DCAA	2.199	2.106 E6	4.2	100	-0.03	15.11-15.17
3	Dicamba	11.227	10.817 E6	3.7	102	0.00	15.38-15.44
4	MCPD	5.139	5.629 E3	-9.5	108	0.00	15.68-15.74
5	MCPA	9.756	10.079 E3	-3.3	122	0.00	15.91-15.97
6	Dichloroprop	3.237	2.471 E6	23.7#	79	-0.02	16.46-16.52
7	2,4-D	3.114	2.048 E6	34.2#	67	-0.03	16.82-16.88
8	Pentachlorophenol	45.425	48.732 E6	-7.3	108	0.00	17.12-17.18
9	2,4,5-TP	17.863	16.477 E6	7.8	93	0.00	17.92-17.98
10	2,4,5-T	15.276	15.853 E6	-3.8	100	0.00	18.31-18.37
11	2,4-DB	1.547	1.702 E6	-10.0	114	0.00	18.98-19.04
12	Dinoseb	17.092	18.135 E6	-6.1	111	0.00	20.25-20.31
13	Picloram	16.442	13.834 E6	15.9#	78	0.00	20.10-20.16

***** Signal #2 *****

1	Dalapon	1.634	1.603 E6	1.9	105	0.00	4.96- 5.44
2 S	2,4-DCAA	939.925	898.159 E3	4.4	100	-0.03	14.61-14.67
3	Dicamba	4.370	4.226 E6	3.3	100	0.00	14.86-14.92
4	MCPD	3.049	2.698 E3	11.5	103	0.00	15.07-15.13
5	MCPA	4.762	4.849 E3	-1.8	109	0.00	15.41-15.47
6	Dichloroprop	1.341	1.067 E6	20.4#	87	-0.02	15.89-15.95
7	2,4-D	1.413	1.775 E6	-25.6#	129	-0.03	16.34-16.40
8	Pentachlorophenol	17.136	19.647 E6	-14.7	113	0.00	16.81-16.87
9	2,4,5-TP	7.074	6.672 E6	5.7	95	0.00	17.39-17.45
10	2,4,5-T	5.997	6.617 E6	-10.3	99	0.00	17.89-17.95
11	2,4-DB	726.787	648.400 E3	10.8	90	0.00	18.51-18.57
12	Dinoseb	4.931	5.114 E6	-3.7	104	0.00	18.86-18.92
13	Picloram	8.251	7.176 E6	13.0	84	0.00	19.99-20.05

Average % D = 9.9

(19.2 %) 5 of 26 compounds '%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue May 04 11:15:39 2010 GCCD

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: GWW3144-ICV3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW90026.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 17:32:59 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon			-----NA-----			
2 S	2,4-DCAA			-----NA-----			
3	Dicamba			-----NA-----			
4	MCP			-----NA-----			
5	MCPA			-----NA-----			
6	Dichloroprop			-----NA-----			
7	2,4-D	3.114	3.075 E6	1.3	100	0.02	16.85-16.91
8	Pentachlorophenol			-----NA-----			
9	2,4,5-TP			-----NA-----			
10	2,4,5-T			-----NA-----			
11	2,4-DB			-----NA-----			
12	Dinoseb			-----NA-----			
13	Picloram			-----NA-----			

***** Signal #2 *****

1	Dalapon			-----NA-----			
2 S	2,4-DCAA			-----NA-----			
3	Dicamba			-----NA-----			
4	MCP			-----NA-----			
5	MCPA			-----NA-----			
6	Dichloroprop			-----NA-----			
7	2,4-D	1.413	1.426 E6	-0.9	103	0.02	16.37-16.43
8	Pentachlorophenol			-----NA-----			
9	2,4,5-TP			-----NA-----			
10	2,4,5-T			-----NA-----			
11	2,4-DB			-----NA-----			
12	Dinoseb			-----NA-----			
13	Picloram			-----NA-----			

Average % D = 1.1

(0.0 %) 0 of 2 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue May 04 17:36:09 2010 GCCD

9.8.34

9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: GWW3144-ICV3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW90038.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 04 17:32:59 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon			-----NA-----			
2 S	2,4-DCAA			-----NA-----			
3	Dicamba			-----NA-----			
4	MCP			-----NA-----			
5	MCPA			-----NA-----			
6	Dichloroprop	3.237	2.807 E6	13.3	90	0.04	16.50-16.56
7	2,4-D			-----NA-----			
8	Pentachlorophenol			-----NA-----			
9	2,4,5-TP			-----NA-----			
10	2,4,5-T			-----NA-----			
11	2,4-DB			-----NA-----			
12	Dinoseb			-----NA-----			
13	Picloram			-----NA-----			

***** Signal #2 *****

1	Dalapon			-----NA-----			
2 S	2,4-DCAA			-----NA-----			
3	Dicamba			-----NA-----			
4	MCP			-----NA-----			
5	MCPA			-----NA-----			
6	Dichloroprop	1.341	1.165 E6	13.1	95	0.04	15.94-16.00
7	2,4-D			-----NA-----			
8	Pentachlorophenol			-----NA-----			
9	2,4,5-TP			-----NA-----			
10	2,4,5-T			-----NA-----			
11	2,4-DB			-----NA-----			
12	Dinoseb			-----NA-----			
13	Picloram			-----NA-----			

Average % D = 13.2

(0.0 %) 0 of 2 compounds '%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue May 04 18:05:47 2010 GCCD

9.8.35

9

Initial Calibration Summary

Page 1 of 1

Job Number: JA58900**Sample:** GWW3173-ICC3173**Account:** ENSRMAA AECOM, INC.**Lab FileID:** WW90653.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report GCWW

Method : C:\HPCHEM\1\METHODS\504M3173.M (Chemstation Integrator)

Title : GC/ECD- EDB

Last Update : Fri May 28 09:36:59 2010

Calibration Files

2	=WW90655.D	1	=WW90654.D	0.5	=WW90653.D
0.2	=WW90652.D	0.1	=WW90651.D	0.02	=WW90650.D

	Compound	2	1	0.5	0.2	0.1	0.02	Avg	%RSD
1) S	2-Bromo-1-Chloropro	6.175	6.552	6.383	6.878	6.701	8.300	6.831 E5	11.12
2)	1,2-Dibromoethane	4.199	4.164	4.167	4.465	4.560	5.539	4.516 E6	11.71
3)	1,2,3-Trichloroprop	3.420	3.557	3.573	3.476	3.306	4.554	3.648 E5	12.47
4)	1,2-Dibromo-3-Chlor	7.319	6.899	6.459	6.486	6.732	6.502	6.733 E6	4.97

Signal #2 Calibration Files

2	=WW90655.D	1	=WW90654.D	0.5	=WW90653.D
0.2	=WW90652.D	0.1	=WW90651.D	0.02	=WW90650.D

	Compound	2	1	0.5	0.2	0.1	0.02	Avg	%RSD
1) S	2-Bromo-1-Chloropro	2.535	2.763	2.763	2.938	2.960	2.802	2.794 E5	5.48
2)	1,2-Dibromoethane	1.654	1.666	1.710	1.722	1.877	1.550	1.696 E6	6.33
3)	1,2,3-Trichloroprop	1.685	1.739	1.729	2.164	2.183	2.371	1.978 E5	14.93
4)	1,2-Dibromo-3-Chlor	2.987	2.879	2.701	2.715	2.881	2.971	2.856 E6	4.30

(#)= Out of Range

504M3173.M

Fri May 28 09:38:37 2010

GCCD

9.8.36

9

Initial Calibration Verification

Page 1 of 1

Job Number: JA58900

Sample: GWW3173-ICV3173

Account: ENSRMAA AECOM, INC.

Lab FileID: WW90656.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3173\WW90656.D\ECD1A.CH Vial: 20
 Signal #2 : C:\HPCHEM\1\DATA\GWW3173\WW90656.D\ECD2B.CH
 Acq On : 27 May 2010 6:18 pm Operator: toyar
 Sample : ICV3173-0.5 Inst : GCWW
 Misc : OP43588,Gww3173,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504M3173.M (Chemstation Integrator)
 Title : GC/ECD- EDB
 Last Update : Fri May 28 09:36:59 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 S	2-Bromo-1-Chloropropan	683.146	610.978 E3	10.6	96	0.00	2.09-	2.16
2	1,2-Dibromoethane	4.516	4.126 E6	8.6	99	0.00	2.30-	2.36
3	1,2,3-Trichloropropane	364.763	374.684 E3	-2.7	105	0.00	3.96-	4.02
4	1,2-Dibromo-3-Chloropr	6.733	6.704 E6	0.4	104	0.00	5.83-	5.89

***** Signal #2 *****

1 S	2-Bromo-1-Chloropropan	279.356	257.779 E3	7.7	93	0.00	1.70-	1.77
2	1,2-Dibromoethane	1.696	1.637 E6	3.5	96	0.00	2.07-	2.14
3	1,2,3-Trichloropropane	197.848	182.153 E3	7.9	105	0.00	3.65-	3.71
4	1,2-Dibromo-3-Chloropr	2.856	2.792 E6	2.2	103	0.00	5.75-	5.81

Average % D = 5.5

(0.0 %) 0 of 8 compounds'%D > 15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

WW90653.D 504M3173.M

Fri May 28 09:38:37 2010 GCCD

9.8.37

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3324-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95110.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3324\WW95110.D\ECD1A.CH Vial: 6
 Signal #2 : C:\HPCHEM\1\DATA\GWW3324\WW95110.D\ECD2B.CH
 Acq On : 14 Oct 2010 12:30 pm Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46060,Gww3324,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 08 10:13:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.732 E6	-7.6	110	-0.01	6.06-	6.12
2 S	2,4-DCAA	2.199	2.416 E6	-9.9	115	-0.02	15.10-	15.16
3	Dicamba	11.227	12.497 E6	-11.3	117	-0.02	15.36-	15.42
4	MCP	5.139	4.984 E3	3.0	96	-0.02	15.66-	15.72
5	MCPA	9.756	10.122 E3	-3.8	122	-0.02	15.90-	15.96
6	Dichloroprop	3.237	2.829 E6	12.6	91	-0.01	16.44-	16.50
7	2,4-D	3.114	2.839 E6	8.8	93	0.03	16.85-	16.91
8	Pentachlorophenol	45.425	53.873 E6	-18.6#	120	-0.01	17.10-	17.16
9	2,4,5-TP	17.863	17.613 E6	1.4	99	0.00	17.91-	17.97
10	2,4,5-T	15.276	16.979 E6	-11.1	108	0.07	18.36-	18.42
11	2,4-DB	1.547	1.689 E6	-9.2	113	0.08	19.04-	19.10
12	Dinoseb	17.092	21.593 E6	-26.3#	132	-0.01	20.23-	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.469 E6	10.1	96	-0.02	5.14-	5.20
2 S	2,4-DCAA	939.925	867.757 E3	7.7	97	-0.02	14.60-	14.66
3	Dicamba	4.370	4.202 E6	3.8	100	-0.02	14.84-	14.90
4	MCP	3.049	3.217 E3	-5.5	123	-0.02	15.05-	15.11
5	MCPA	4.762	4.775 E3	-0.3	108	-0.02	15.40-	15.46
6	Dichloroprop	1.341	1.075 E6	19.8#	88	-0.01	15.88-	15.94
7	2,4-D	1.413	1.283 E6	9.2	93	0.03	16.37-	16.43
8	Pentachlorophenol	17.136	17.658 E6	-3.0	102	-0.01	16.80-	16.86
9	2,4,5-TP	7.074	6.231 E6	11.9	89	0.00	17.38-	17.44
10	2,4,5-T	5.997	6.092 E6	-1.6	91	0.06	17.93-	17.99
11	2,4-DB	726.787	343.999 E3	52.7#	48#	0.17#	18.66-	18.72
12	Dinoseb	4.931	4.464 E6	9.5	91	0.00	18.85-	18.91
13	Picloram							

Average % D = 10.8

(16.7 %) 4 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Thu Oct 14 12:45:36 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3324-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95121.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3324\WW95121.D\ECD1A.CH Vial: 17
 Signal #2 : C:\HPCHEM\1\DATA\GWW3324\WW95121.D\ECD2B.CH
 Acq On : 14 Oct 2010 6:00 pm Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46107,Gww3324,1000,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 08 10:13:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.917 E6	-12.9	113	-0.01	6.06-	6.12
2 S	2,4-DCAA	2.199	2.552 E6	-16.1#	116	0.00	15.11-	15.17
3	Dicamba	11.227	13.622 E6	-21.3#	121	-0.01	15.36-	15.42
4	MCP	5.139	5.415 E3	-5.4	95	-0.01	15.67-	15.73
5	MCPA	9.756	11.806 E3	-21.0#	111	-0.01	15.91-	15.97
6	Dichloroprop	3.237	3.036 E6	6.2	90	-0.01	16.45-	16.51
7	2,4-D	3.114	2.978 E6	4.4	92	0.04	16.85-	16.91
8	Pentachlorophenol	45.425	55.234 E6	-21.6#	120	-0.01	17.11-	17.17
9	2,4,5-TP	17.863	17.016 E6	4.7	95	0.00	17.91-	17.97
10	2,4,5-T	15.276	13.899 E6	9.0	87	0.07	18.36-	18.42
11	2,4-DB	1.547	1.455 E6	5.9	95	0.08	19.04-	19.10
12	Dinoseb	17.092	19.586 E6	-14.6	112	0.00	20.23-	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.530 E6	6.4	93	-0.01	5.14-	5.20
2 S	2,4-DCAA	939.925	925.541 E3	1.5	99	0.00	14.61-	14.67
3	Dicamba	4.370	4.433 E6	-1.4	103	-0.01	14.85-	14.91
4	MCP	3.049	3.051 E3	-0.1	110	-0.01	15.06-	15.12
5	MCPA	4.762	5.595 E3	-17.5#	111	0.00	15.41-	15.47
6	Dichloroprop	1.341	1.127 E6	16.0#	85	-0.01	15.88-	15.94
7	2,4-D	1.413	1.316 E6	6.9	92	0.04	16.38-	16.44
8	Pentachlorophenol	17.136	17.485 E6	-2.0	102	0.00	16.80-	16.86
9	2,4,5-TP	7.074	5.981 E6	15.5#	85	0.00	17.39-	17.45
10	2,4,5-T	5.997	6.063 E6	-1.1	105	0.07	17.94-	18.00
11	2,4-DB	726.787	720.998 E3	0.8	97	0.08	18.58-	18.64
12	Dinoseb	4.931	4.384 E6	11.1	87	0.00	18.85-	18.91
13	Picloram							

Average % D = 9.3

(29.2 %) 7 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 15 08:33:08 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900.

Sample: GWW3324-ECC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95131.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3324\WW95131.D\ECD1A.CH Vial: 27
 Signal #2 : C:\HPCHEM\1\DATA\GWW3324\WW95131.D\ECD2B.CH
 Acq On : 14 Oct 2010 11:18 pm Operator: toyar
 Sample : ECC3143-300 Inst : GCWW
 Misc : OP46107,Gww3324,1000,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Fri Oct 08 10:13:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.793 E6	-9.3	112	-0.01	6.06-	6.12
2 S	2,4-DCAA	2.199	2.423 E6	-10.2	115	-0.02	15.10-	15.16
3	Dicamba	11.227	12.682 E6	-13.0	119	-0.02	15.36-	15.42
4	MCP	5.139	5.113 E3	0.5	99	-0.02	15.67-	15.73
5	MCPA	9.756	10.509 E3	-7.7	127	-0.02	15.90-	15.96
6	Dichloroprop	3.237	2.836 E6	12.4	91	-0.01	16.45-	16.51
7	2,4-D	3.114	2.907 E6	6.6	95	0.03	16.85-	16.91
8	Pentachlorophenol	45.425	53.721 E6	-18.3#	119	-0.01	17.11-	17.17
9	2,4,5-TP	17.863	16.394 E6	8.2	92	0.00	17.91-	17.97
10	2,4,5-T	15.276	14.033 E6	8.1	89	0.06	18.35-	18.41
11	2,4-DB	1.547	1.424 E6	8.0	95	0.07	19.03-	19.09
12	Dinoseb	17.092	19.684 E6	-15.2#	120	0.00	20.23-	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.461 E6	10.6	96	-0.01	5.14-	5.20
2 S	2,4-DCAA	939.925	878.100 E3	6.6	98	-0.01	14.60-	14.66
3	Dicamba	4.370	4.192 E6	4.1	100	-0.01	14.84-	14.90
4	MCP	3.049	2.886 E3	5.3	110	-0.01	15.05-	15.11
5	MCPA	4.762	4.938 E3	-3.7	111	-0.01	15.40-	15.46
6	Dichloroprop	1.341	1.055 E6	21.3#	86	-0.01	15.88-	15.94
7	2,4-D	1.413	1.237 E6	12.5	90	0.02	16.36-	16.42
8	Pentachlorophenol	17.136	17.309 E6	-1.0	100	-0.01	16.80-	16.86
9	2,4,5-TP	7.074	5.749 E6	18.7#	82	0.00	17.38-	17.44
10	2,4,5-T	5.997	5.455 E6	9.0	81	0.05	17.92-	17.98
11	2,4-DB	726.787	668.079 E3	8.1	93	0.07	18.56-	18.62
12	Dinoseb	4.931	4.222 E6	14.4	86	0.00	18.85-	18.91
13	Picloram							

Average % D = 9.7

(16.7 %) 4 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 15 08:34:00 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3334-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95325.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.870 E6	-11.6	114	-0.02	6.06-	6.12
2 S	2,4-DCAA	2.199	2.560 E6	-16.4#	122	0.00	15.10-	15.16
3	Dicamba	11.227	13.616 E6	-21.3#	128	0.00	15.36-	15.42
4	MCPD	5.139	6.438 E3	-25.3#	124	-0.01	15.66-	15.72
5	MCPA	9.756	11.272 E3	-15.5#	136	0.00	15.90-	15.96
6	Dichloroprop	3.237	3.041 E6	6.1	98	0.00	16.44-	16.50
7	2,4-D	3.114	2.995 E6	3.8	98	0.06	16.85-	16.91
8	Pentachlorophenol	45.425	58.370 E6	-28.5#	130	0.00	17.10-	17.16
9	2,4,5-TP	17.863	19.089 E6	-6.9	107	0.00	17.91-	17.97
10	2,4,5-T	15.276	18.080 E6	-18.4#	115	0.08	18.36-	18.42
11	2,4-DB	1.547	1.822 E6	-17.8#	122	0.09	19.04-	19.10
12	Dinoseb	17.092	21.620 E6	-26.5#	132	0.00	20.23-	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.558 E6	4.7	102	-0.02	5.14-	5.20
2 S	2,4-DCAA	939.925	973.713 E3	-3.6	109	0.00	14.60-	14.66
3	Dicamba	4.370	4.674 E6	-7.0	111	0.00	14.84-	14.90
4	MCPD	3.049	3.437 E3	-12.7	131	0.00	15.05-	15.11
5	MCPA	4.762	5.480 E3	-15.1#	123	0.00	15.40-	15.46
6	Dichloroprop	1.341	1.201 E6	10.4	98	0.00	15.88-	15.94
7	2,4-D	1.413	1.419 E6	-0.4	103	0.04	16.37-	16.43
8	Pentachlorophenol	17.136	20.021 E6	-16.8#	115	0.00	16.80-	16.86
9	2,4,5-TP	7.074	7.053 E6	0.3	100	0.01	17.38-	17.44
10	2,4,5-T	5.997	6.694 E6	-11.6	100	0.07	17.93-	17.99
11	2,4-DB	726.787	785.852 E3	-8.1	110	0.09	18.57-	18.63
12	Dinoseb	4.931	4.885 E6	0.9	100	0.00	18.85-	18.91
13	Picloram							

Average % D = 12.1

(41.7 %) 10 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 22 09:10:12 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3334-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95336.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.766 E6	-8.6	108	-0.02	6.06-	6.12
2 S	2,4-DCAA	2.199	2.454 E6	-11.6	111	0.01	15.11-	15.17
3	Dicamba	11.227	13.345 E6	-18.9#	118	0.00	15.36-	15.42
4	MCP	5.139	5.095 E3	0.9	90	0.00	15.67-	15.73
5	MCPA	9.756	11.328 E3	-16.1#	107	0.00	15.91-	15.97
6	Dichloroprop	3.237	2.952 E6	8.8	88	0.00	16.45-	16.51
7	2,4-D	3.114	2.708 E6	13.0	84	0.08	16.87-	16.93
8	Pentachlorophenol	45.425	55.665 E6	-22.5#	121	0.00	17.10-	17.16
9	2,4,5-TP	17.863	17.887 E6	-0.1	99	0.01	17.92-	17.98
10	2,4,5-T	15.276	17.456 E6	-14.3	109	0.10#	18.38-	18.44
11	2,4-DB	1.547	1.765 E6	-14.1	115	0.12#	19.07-	19.13
12	Dinoseb	17.092	19.022 E6	-11.3	109	0.00	20.23-	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.546 E6	5.4	94	-0.02	5.14-	5.20
2 S	2,4-DCAA	939.925	937.529 E3	0.3	101	0.01	14.61-	14.67
3	Dicamba	4.370	4.608 E6	-5.4	107	0.00	14.85-	14.91
4	MCP	3.049	3.407 E3	-11.7	123	0.00	15.05-	15.11
5	MCPA	4.762	5.674 E3	-19.2#	113	0.00	15.41-	15.47
6	Dichloroprop	1.341	1.147 E6	14.5	87	0.00	15.88-	15.94
7	2,4-D	1.413	1.295 E6	8.4	91	0.06	16.38-	16.44
8	Pentachlorophenol	17.136	17.959 E6	-4.8	105	0.00	16.80-	16.86
9	2,4,5-TP	7.074	6.008 E6	15.1#	86	0.01	17.39-	17.45
10	2,4,5-T	5.997	5.816 E6	3.0	101	0.08	17.94-	18.00
11	2,4-DB	726.787	683.858 E3	5.9	92	0.17#	18.66-	18.72
12	Dinoseb	4.931	4.610 E6	6.5	92	0.00	18.85-	18.91
13	Picloram							

Average % D = 10.0

(20.8 %) 5 of 24 compounds '%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Mon Oct 25 16:21:11 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3334-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95352.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

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

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.790 E6	-9.3	109	-0.02	6.06- 6.12
2 S	2,4-DCAA	2.199	2.440 E6	-11.0	111	0.01	15.11-15.17
3	Dicamba	11.227	13.432 E6	-19.6#	119	0.00	15.36-15.42
4	MCPD	5.139	5.635 E3	-9.7	99	0.00	15.67-15.73
5	MCPA	9.756	11.147 E3	-14.3	105	0.00	15.91-15.97
6	Dichloroprop	3.237	2.967 E6	8.3	88	0.00	16.45-16.51
7	2,4-D	3.114	2.843 E6	8.7	88	0.08	16.87-16.93
8	Pentachlorophenol	45.425	60.333 E6	-32.8#	131	0.00	17.11-17.17
9	2,4,5-TP	17.863	16.982 E6	4.9	94	0.01	17.92-17.98
10	2,4,5-T	15.276	16.867 E6	-10.4	106	0.10	18.37-18.43
11	2,4-DB	1.547	1.962 E6	-26.8#	128	0.12#	19.07-19.13
12	Dinoseb	17.092	17.559 E6	-2.7	101	0.00	20.23-20.29
13	Picloram						-----NA-----

***** Signal #2 *****

1	Dalapon	1.634	1.542 E6	5.6	94	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	932.659 E3	0.8	100	0.00	14.61-14.67
3	Dicamba	4.370	4.565 E6	-4.5	106	0.00	14.85-14.91
4	MCPD	3.049	3.293 E3	-8.0	119	0.00	15.05-15.11
5	MCPA	4.762	5.628 E3	-18.2#	112	0.00	15.40-15.46
6	Dichloroprop	1.341	1.135 E6	15.4#	86	0.00	15.88-15.94
7	2,4-D	1.413	1.265 E6	10.5	89	0.06	16.38-16.44
8	Pentachlorophenol	17.136	17.770 E6	-3.7	104	0.00	16.80-16.86
9	2,4,5-TP	7.074	5.810 E6	17.9#	83	0.01	17.39-17.45
10	2,4,5-T	5.997	5.802 E6	3.3	100	0.08	17.95-18.01
11	2,4-DB	726.787	655.328 E3	9.8	88	0.11#	18.59-18.65
12	Dinoseb	4.931	4.527 E6	8.2	90	0.00	18.85-18.91
13	Picloram						-----NA-----

Average % D = 11.0

(25.0 %) 6 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 22 15:12:19 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3340-CC3173

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95479.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95479.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95479.D\ECD2B.CH
 Acq On : 28 Oct 2010 6:00 pm Operator: toyar
 Sample : cc3173-200 Inst : GCWW
 Misc : OP46386,Gww3340,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.714 E6	-7.1	107	-0.02	6.07- 6.13
2 S	2,4-DCAA	2.199	2.434 E6	-10.7	110	0.02	15.12-15.18
3	Dicamba	11.227	13.790 E6	-22.8#	122	0.00	15.37-15.43
4	MCP	5.139	5.736 E3	-11.6	101	0.00	15.67-15.73
5	MCPA	9.756	10.992 E3	-12.7	104	0.00	15.91-15.97
6	Dichloroprop	3.237	2.960 E6	8.6	88	0.00	16.46-16.52
7	2,4-D	3.114	2.592 E6	16.8#	80	0.10	16.89-16.95
8	Pentachlorophenol	45.425	59.959 E6	-32.0#	130	0.00	17.11-17.17
9	2,4,5-TP	17.863	17.455 E6	2.3	97	0.03	17.93-17.99
10	2,4,5-T	15.276	17.098 E6	-11.9	107	0.14#	18.41-18.47
11	2,4-DB	1.547	1.696 E6	-9.6	111	0.16#	19.10-19.16
12	Dinoseb	17.092	16.690 E6	2.4	96	0.00	20.24-20.30
13	Picloram						

***** Signal #2 *****

1	Dalapon	1.634	1.621 E6	0.8	99	-0.01	5.15- 5.21
2 S	2,4-DCAA	939.925	944.216 E3	-0.5	101	0.02	14.62-14.68
3	Dicamba	4.370	4.737 E6	-8.4	110	0.00	14.85-14.91
4	MCP	3.049	3.767 E3	-23.5#	136	0.00	15.06-15.12
5	MCPA	4.762	5.656 E3	-18.8#	113	0.01	15.41-15.47
6	Dichloroprop	1.341	1.163 E6	13.3	88	0.00	15.89-15.95
7	2,4-D	1.413	1.295 E6	8.4	91	0.09	16.41-16.47
8	Pentachlorophenol	17.136	20.157 E6	-17.6#	118	0.00	16.80-16.86
9	2,4,5-TP	7.074	5.981 E6	15.5#	85	0.03	17.40-17.46
10	2,4,5-T	5.997	5.666 E6	5.5	98	0.11#	17.97-18.03
11	2,4-DB	726.787	632.775 E3	12.9	85	0.18#	18.67-18.73
12	Dinoseb	4.931	4.300 E6	12.8	86	0.02	18.86-18.92
13	Picloram						

Average % D = 11.9

(29.2 %) 7 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 29 09:28:40 2010 GCCD

9.8.44

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3340-ECC3173

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95490.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95490.D\ECD1A.CH Vial: 23
 Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95490.D\ECD2B.CH
 Acq On : 28 Oct 2010 11:34 pm Operator: toyar
 Sample : Ecc3173-300 Inst : GCWW
 Misc : OP46386,Gww3340,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 Dalapon	3.469	3.763 E6	-8.5	111	-0.02	6.07- 6.13
2 S 2,4-DCAA	2.199	2.487 E6	-13.1	118	0.01	15.11-15.17
3 Dicamba	11.227	13.538 E6	-20.6#	127	0.00	15.36-15.42
4 MCPP	5.139	6.055 E3	-17.8#	117	0.00	15.67-15.73
5 MCPA	9.756	10.792 E3	-10.6	130	0.00	15.91-15.97
6 Dichloroprop	3.237	2.949 E6	8.9	95	0.00	16.45-16.51
7 2,4-D	3.114	2.651 E6	14.9	87	0.09	16.88-16.94
8 Pentachlorophenol	45.425	57.854 E6	-27.4#	129	0.00	17.11-17.17
9 2,4,5-TP	17.863	17.902 E6	-0.2	101	0.02	17.93-17.99
10 2,4,5-T	15.276	16.466 E6	-7.8	104	0.12#	18.40-18.46
11 2,4-DB	1.547	1.525 E6	1.4	102	0.13#	19.08-19.14
12 Dinoseb	17.092	18.839 E6	-10.2	115	0.00	20.23-20.29
13 Picloram			-----NA-----			

***** Signal #2 *****

1 Dalapon	1.634	1.547 E6	5.3	101	-0.01	5.15- 5.21
2 S 2,4-DCAA	939.925	960.856 E3	-2.2	107	0.00	14.61-14.67
3 Dicamba	4.370	4.703 E6	-7.6	112	0.00	14.85-14.91
4 MCPP	3.049	3.609 E3	-18.4#	138	0.00	15.05-15.11
5 MCPA	4.762	5.397 E3	-13.3	122	0.00	15.40-15.46
6 Dichloroprop	1.341	1.184 E6	11.7	97	0.00	15.88-15.94
7 2,4-D	1.413	1.360 E6	3.8	99	0.07	16.39-16.45
8 Pentachlorophenol	17.136	21.829 E6	-27.4#	126	0.00	16.80-16.86
9 2,4,5-TP	7.074	6.809 E6	3.7	97	0.02	17.39-17.45
10 2,4,5-T	5.997	6.435 E6	-7.3	96	0.11#	17.97-18.03
11 2,4-DB	726.787	576.163 E3	20.7#	80	0.19#	18.67-18.73
12 Dinoseb	4.931	4.627 E6	6.2	94	0.01	18.86-18.92
13 Picloram			-----NA-----			

Average % D = 11.2

(25.0 %) 6 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 29 09:31:12 2010 GCCD

9.8.45
9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3343-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95555.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95555.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95555.D\ECD2B.CH
 Acq On : 2 Nov 2010 11:25 am Operator: toyar
 Sample : cc3143-200 Inst : GCWW
 Misc : OP46386,Gww3343,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.656 E6	-5.4	105	-0.04	6.04- 6.10
2 S	2,4-DCAA	2.199	2.454 E6	-11.6	111	-0.01	15.08-15.14
3	Dicamba	11.227	13.427 E6	-19.6#	119	-0.03	15.34-15.40
4	MCPPE	5.139	5.784 E3	-12.6	102	-0.03	15.64-15.70
5	MCPA	9.756	10.621 E3	-8.9	100	-0.02	15.88-15.94
6	Dichloroprop	3.237	3.036 E6	6.2	90	-0.03	16.42-16.48
7	2,4-D	3.114	2.868 E6	7.9	89	0.06	16.85-16.91
8	Pentachlorophenol	45.425	60.359 E6	-32.9#	131	-0.03	17.08-17.14
9	2,4,5-TP	17.863	18.947 E6	-6.1	105	-0.01	17.89-17.95
10	2,4,5-T	15.276	18.415 E6	-20.5#	115	0.08	18.35-18.41
11	2,4-DB	1.547	1.719 E6	-11.1	112	0.09	19.04-19.10
12	Dinoseb	17.092	20.598 E6	-20.5#	118	-0.04	20.20-20.26
13	Picloram						-----NA-----

***** Signal #2 *****

1	Dalapon	1.634	1.505 E6	7.9	91	-0.04	5.12- 5.18
2 S	2,4-DCAA	939.925	938.810 E3	0.1	101	-0.01	14.59-14.65
3	Dicamba	4.370	4.648 E6	-6.4	108	-0.02	14.82-14.88
4	MCPPE	3.049	3.961 E3	-29.9#	143	-0.03	15.03-15.09
5	MCPA	4.762	5.576 E3	-17.1#	111	-0.02	15.38-15.44
6	Dichloroprop	1.341	1.163 E6	13.3	88	-0.02	15.86-15.92
7	2,4-D	1.413	1.313 E6	7.1	92	0.04	16.36-16.42
8	Pentachlorophenol	17.136	18.037 E6	-5.3	105	-0.03	16.78-16.84
9	2,4,5-TP	7.074	5.984 E6	15.4#	85	0.00	17.37-17.43
10	2,4,5-T	5.997	5.882 E6	1.9	102	0.07	17.93-17.99
11	2,4-DB	726.787	740.920 E3	-1.9	100	0.08	18.56-18.62
12	Dinoseb	4.931	4.322 E6	12.4	86	-0.02	18.83-18.89
13	Picloram						-----NA-----

Average % D = 11.7

(29.2 %) 7 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue Nov 02 15:54:02 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3343-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95566.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95566.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95566.D\ECD2B.CH
 Acq On : 2 Nov 2010 5:40 pm Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46377,Gww3343,35.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.559 E6	-2.6	105	-0.04	6.04- 6.10
2 S	2,4-DCAA	2.199	2.478 E6	-12.7	118	-0.02	15.07-15.13
3	Dicamba	11.227	12.719 E6	-13.3	119	-0.03	15.33-15.39
4	MCPD	5.139	5.424 E3	-5.5	105	-0.04	15.64-15.70
5	MCPA	9.756	9.994 E3	-2.4	121	-0.03	15.88-15.94
6	Dichloroprop	3.237	2.930 E6	9.5	94	-0.03	16.42-16.48
7	2,4-D	3.114	2.883 E6	7.4	94	0.03	16.83-16.89
8	Pentachlorophenol	45.425	55.148 E6	-21.4#	123	-0.03	17.08-17.14
9	2,4,5-TP	17.863	18.128 E6	-1.5	102	-0.01	17.89-17.95
10	2,4,5-T	15.276	17.461 E6	-14.3	111	0.05	18.33-18.39
11	2,4-DB	1.547	1.660 E6	-7.3	111	0.05	18.99-19.05
12	Dinoseb	17.092	18.277 E6	-6.9	111	-0.04	20.20-20.26
13	Picloram	16.442	1.861 E6	88.7#	11#	0.09	20.16-20.22

***** Signal #2 *****

1	Dalapon	1.634	1.437 E6	12.1	94	-0.04	5.12- 5.18
2 S	2,4-DCAA	939.925	926.239 E3	1.5	103	-0.02	14.58-14.64
3	Dicamba	4.370	4.311 E6	1.4	102	-0.03	14.82-14.88
4	MCPD	3.049	2.706 E3	11.2	103	-0.03	15.03-15.09
5	MCPA	4.762	4.437 E3	6.8	100	-0.02	15.38-15.44
6	Dichloroprop	1.341	1.102 E6	17.8#	90	-0.02	15.86-15.92
7	2,4-D	1.413	1.255 E6	11.2	91	0.03	16.36-16.42
8	Pentachlorophenol	17.136	18.008 E6	-5.1	104	-0.03	16.78-16.84
9	2,4,5-TP	7.074	5.942 E6	16.0#	85	0.00	17.36-17.42
10	2,4,5-T	5.997	5.838 E6	2.7	87	0.05	17.91-17.97
11	2,4-DB	726.787	752.554 E3	-3.5	105	0.06	18.54-18.60
12	Dinoseb	4.931	4.476 E6	9.2	91	-0.02	18.83-18.89
13	Picloram	8.251	3.201 E6	61.2#	38#	0.07	20.03-20.09

Average % D = 13.6

(19.2 %) 5 of 26 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Wed Nov 03 08:46:56 2010 GCCD

9.8.47
9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3344-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95574.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95574.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95574.D\ECD2B.CH
 Acq On : 3 Nov 2010 9:57 am Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46386,Gww3344,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 Dalapon	3.469	3.689 E6	-6.3	109	-0.02	6.06- 6.12
2 S 2,4-DCAA	2.199	2.517 E6	-14.5	119	0.00	15.10-15.16
3 Dicamba	11.227	12.990 E6	-15.7#	122	0.00	15.36-15.42
4 MCPP	5.139	5.762 E3	-12.1	111	-0.01	15.66-15.72
5 MCPA	9.756	11.155 E3	-14.3	135	0.00	15.90-15.96
6 Dichloroprop	3.237	3.000 E6	7.3	96	0.00	16.44-16.50
7 2,4-D	3.114	2.914 E6	6.4	95	0.07	16.86-16.92
8 Pentachlorophenol	45.425	57.197 E6	-25.9#	127	0.00	17.10-17.16
9 2,4,5-TP	17.863	18.792 E6	-5.2	106	0.01	17.91-17.97
10 2,4,5-T	15.276	17.592 E6	-15.2#	111	0.10	18.37-18.43
11 2,4-DB	1.547	1.809 E6	-16.9#	121	0.09	19.04-19.10
12 Dinoseb	17.092	22.631 E6	-32.4#	138	0.00	20.23-20.29
13 Picloram			-----NA-----			

***** Signal #2 *****

1 Dalapon	1.634	1.500 E6	8.2	98	-0.02	5.14- 5.20
2 S 2,4-DCAA	939.925	945.080 E3	-0.5	105	0.00	14.60-14.66
3 Dicamba	4.370	4.665 E6	-6.8	111	0.00	14.84-14.90
4 MCPP	3.049	5.134 E3	-68.4#	196#	0.00	15.05-15.11
5 MCPA	4.762	6.884 E3	-44.6#	155#	0.00	15.40-15.46
6 Dichloroprop	1.341	1.262 E6	5.9	103	0.00	15.88-15.94
7 2,4-D	1.413	1.448 E6	-2.5	105	0.06	16.39-16.45
8 Pentachlorophenol	17.136	19.286 E6	-12.5	111	0.00	16.80-16.86
9 2,4,5-TP	7.074	7.088 E6	-0.2	101	0.02	17.39-17.45
10 2,4,5-T	5.997	6.575 E6	-9.6	98	0.08	17.94-18.00
11 2,4-DB	726.787	418.544 E3	42.4#	58	0.09	18.57-18.63
12 Dinoseb	4.931	4.725 E6	4.2	96	0.00	18.85-18.91
13 Picloram			-----NA-----			

Average % D = 15.8

(33.3 %) 8 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Wed Nov 03 12:28:05 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3344-ECC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95585.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95585.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95585.D\ECD2B.CH
 Acq On : 3 Nov 2010 2:30 pm Operator: toyar
 Sample : Ecc3143-200 Inst : GCWW
 Misc : OP46377,Gww3344,35.4,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	RT Window
1	Dalapon	3.469	3.739 E6	-7.8	107	-0.02	6.06- 6.12
2 S	2,4-DCAA	2.199	2.527 E6	-14.9	115	0.00	15.10-15.16
3	Dicamba	11.227	13.229 E6	-17.8#	117	0.00	15.36-15.42
4	MCP	5.139	5.120 E3	0.4	90	-0.01	15.66-15.72
5	MCPA	9.756	10.318 E3	-5.8	97	0.00	15.90-15.96
6	Dichloroprop	3.237	3.007 E6	7.1	90	0.00	16.44-16.50
7	2,4-D	3.114	2.839 E6	8.8	88	0.08	16.87-16.93
8	Pentachlorophenol	45.425	55.583 E6	-22.4#	121	-0.01	17.10-17.16
9	2,4,5-TP	17.863	17.335 E6	3.0	96	0.00	17.91-17.97
10	2,4,5-T	15.276	15.771 E6	-3.2	99	0.09	18.36-18.42
11	2,4-DB	1.547	1.449 E6	6.3	94	0.10#	19.05-19.11
12	Dinoseb	17.092	19.565 E6	-14.5	112	-0.01	20.22-20.28
13	Picloram			-----NA-----			

***** Signal #2 *****

1	Dalapon	1.634	1.529 E6	6.4	93	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	945.879 E3	-0.6	102	0.00	14.61-14.67
3	Dicamba	4.370	4.597 E6	-5.2	107	0.00	14.84-14.90
4	MCP	3.049	3.947 E3	-29.5#	142	0.00	15.05-15.11
5	MCPA	4.762	5.708 E3	-19.9#	114	0.00	15.40-15.46
6	Dichloroprop	1.341	1.159 E6	13.6	88	0.00	15.88-15.94
7	2,4-D	1.413	1.303 E6	7.8	91	0.07	16.39-16.45
8	Pentachlorophenol	17.136	17.175 E6	-0.2	100	0.00	16.80-16.86
9	2,4,5-TP	7.074	6.111 E6	13.6	87	0.01	17.38-17.44
10	2,4,5-T	5.997	5.685 E6	5.2	98	0.08	17.94-18.00
11	2,4-DB	726.787	690.840 E3	4.9	93	0.10	18.58-18.64
12	Dinoseb	4.931	4.459 E6	9.6	89	0.00	18.85-18.91
13	Picloram			-----NA-----			

Average % D = 9.5

(16.7 %) · 4 of 24 compounds '%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Wed Nov 03 14:50:04 2010 GCCD

9.8.49

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3346-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95596.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95596.D\ECD1A.CH Vial: 23
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95596.D\ECD2B.CH
 Acq On : 3 Nov 2010 5:27 pm Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46489,Gww3346,20,,,2,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.746 E6	-8.0	111	-0.03	6.06- 6.12
2 S	2,4-DCAA	2.199	2.527 E6	-14.9	120	0.00	15.09-15.15
3	Dicamba	11.227	12.839 E6	-14.4	121	-0.02	15.35-15.41
4	MCPD	5.139	5.346 E3	-4.0	103	-0.02	15.66-15.72
5	MCPA	9.756	10.217 E3	-4.7	123	-0.01	15.89-15.95
6	Dichloroprop	3.237	2.985 E6	7.8	96	-0.01	16.44-16.50
7	2,4-D	3.114	3.140 E6	-0.8	102	0.04	16.84-16.90
8	Pentachlorophenol	45.425	58.088 E6	-27.9#	129	-0.01	17.10-17.16
9	2,4,5-TP	17.863	18.499 E6	-3.6	104	0.00	17.91-17.97
10	2,4,5-T	15.276	17.573 E6	-15.0	111	0.06	18.34-18.40
11	2,4-DB	1.547	1.916 E6	-23.9#	128	0.06	19.00-19.06
12	Dinoseb	17.092	18.338 E6	-7.3	112	-0.02	20.22-20.28
13	Picloram	16.442	2.864 E6	82.6#	16#	0.11#	20.18-20.24

***** Signal #2 *****

1	Dalapon	1.634	1.499 E6	8.3	98	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	949.728 E3	-1.0	106	0.00	14.59-14.65
3	Dicamba	4.370	4.481 E6	-2.5	106	-0.01	14.84-14.90
4	MCPD	3.049	3.298 E3	-8.2	126	-0.01	15.05-15.11
5	MCPA	4.762	5.011 E3	-5.2	113	0.00	15.39-15.45
6	Dichloroprop	1.341	1.159 E6	13.6	95	0.00	15.87-15.93
7	2,4-D	1.413	1.358 E6	3.9	98	0.04	16.36-16.42
8	Pentachlorophenol	17.136	18.753 E6	-9.4	108	0.00	16.79-16.85
9	2,4,5-TP	7.074	6.726 E6	4.9	96	0.00	17.38-17.44
10	2,4,5-T	5.997	6.492 E6	-8.3	97	0.05	17.91-17.97
11	2,4-DB	726.787	813.683 E3	-12.0	114	0.06	18.54-18.60
12	Dinoseb	4.931	4.536 E6	8.0	92	0.00	18.84-18.90
13	Picloram	8.251	3.557 E6	56.9#	42#	0.07	20.04-20.10

Average % D = 13.7

(19.2 %) 5 of 26 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Wed Nov 03 17:53:34 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3346-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95607.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95607.D\ECD1A.CH Vial: 34
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95607.D\ECD2B.CH
 Acq On : 4 Nov 2010 12:08 am Operator: toyar
 Sample : cc3143-200 Inst : GCWW
 Misc : OP46489,Gww3346,890,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.715 E6	-7.1	107	-0.02	6.06- 6.12
2 S	2,4-DCAA	2.199	2.510 E6	-14.1	114	0.01	15.11-15.17
3	Dicamba	11.227	13.666 E6	-21.7#	121	0.00	15.36-15.42
4	MCP	5.139	5.572 E3	-8.4	98	-0.01	15.66-15.72
5	MCPA	9.756	10.957 E3	-12.3	103	0.00	15.91-15.97
6	Dichloroprop	3.237	3.017 E6	6.8	90	0.00	16.45-16.51
7	2,4-D	3.114	2.797 E6	10.2	86	0.09	16.88-16.94
8	Pentachlorophenol	45.425	60.215 E6	-32.6#	131	0.00	17.10-17.16
9	2,4,5-TP	17.863	18.322 E6	-2.6	102	0.02	17.92-17.98
10	2,4,5-T	15.276	17.892 E6	-17.1#	112	0.11#	18.39-18.45
11	2,4-DB	1.547	1.828 E6	-18.2#	119	0.12#	19.06-19.12
12	Dinoseb	17.092	20.105 E6	-17.6#	115	0.00	20.23-20.29
13	Picloram						-----NA-----

***** Signal #2 *****

1	Dalapon	1.634	1.518 E6	7.1	92	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	936.079 E3	0.4	101	0.01	14.61-14.67
3	Dicamba	4.370	4.591 E6	-5.1	106	0.00	14.85-14.91
4	MCP	3.049	3.369 E3	-10.5	121	0.00	15.05-15.11
5	MCPA	4.762	5.610 E3	-17.8#	112	0.00	15.41-15.47
6	Dichloroprop	1.341	1.160 E6	13.5	88	0.00	15.88-15.94
7	2,4-D	1.413	1.321 E6	6.5	93	0.07	16.40-16.46
8	Pentachlorophenol	17.136	19.894 E6	-16.1#	116	0.00	16.80-16.86
9	2,4,5-TP	7.074	6.069 E6	14.2	86	0.02	17.39-17.45
10	2,4,5-T	5.997	5.939 E6	1.0	103	0.10	17.96-18.02
11	2,4-DB	726.787	613.073 E3	15.6#	82	0.18#	18.66-18.72
12	Dinoseb	4.931	4.525 E6	8.2	90	0.00	18.85-18.91
13	Picloram						-----NA-----

Average % D = 11.9

(33.3 %) 8 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Thu Nov 04 09:00:29 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3346-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95618.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95618.D\ECD1A.CH Vial: 45
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95618.D\ECD2B.CH
 Acq On : 4 Nov 2010 6:54 am Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46441,Gww3346,5.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.755 E6	-8.2	111	-0.02	6.06- 6.12
2 S	2,4-DCAA	2.199	2.613 E6	-18.8#	124	0.00	15.10-15.16
3	Dicamba	11.227	13.895 E6	-23.8#	130	0.00	15.36-15.42
4	MCPD	5.139	6.234 E3	-21.3#	120	-0.01	15.66-15.72
5	MCPA	9.756	11.096 E3	-13.7	134	0.00	15.90-15.96
6	Dichloroprop	3.237	3.115 E6	3.8	100	0.00	16.44-16.50
7	2,4-D	3.114	2.969 E6	4.7	97	0.08	16.87-16.93
8	Pentachlorophenol	45.425	59.934 E6	-31.9#	133	0.00	17.10-17.16
9	2,4,5-TP	17.863	19.527 E6	-9.3	110	0.01	17.92-17.98
10	2,4,5-T	15.276	18.995 E6	-24.3#	120	0.10	18.38-18.44
11	2,4-DB	1.547	2.127 E6	-37.5#	142	0.09	19.04-19.10
12	Dinoseb	17.092	22.129 E6	-29.5#	135	0.00	20.23-20.29
13	Picloram			-----NA-----			

***** Signal #2 *****

1	Dalapon	1.634	1.500 E6	8.2	98	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	981.290 E3	-4.4	109	0.00	14.60-14.66
3	Dicamba	4.370	4.847 E6	-10.9	115	0.00	14.84-14.90
4	MCPD	3.049	5.009 E3	-64.3#	191#	0.00	15.05-15.11
5	MCPA	4.762	6.635 E3	-39.3#	149	0.00	15.40-15.46
6	Dichloroprop	1.341	1.274 E6	5.0	104	0.00	15.88-15.94
7	2,4-D	1.413	1.454 E6	-2.9	105	0.06	16.39-16.45
8	Pentachlorophenol	17.136	20.011 E6	-16.8#	115	0.00	16.80-16.86
9	2,4,5-TP	7.074	6.979 E6	1.3	99	0.02	17.39-17.45
10	2,4,5-T	5.997	6.389 E6	-6.5	95	0.09	17.95-18.01
11	2,4-DB	726.787	769.247 E3	-5.8	107	0.09	18.57-18.63
12	Dinoseb	4.931	4.844 E6	1.8	99	0.00	18.85-18.91
13	Picloram			-----NA-----			

Average % D = 16.4

(41.7 %) 10 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Thu Nov 04 08:57:08 2010 GCCD

9.8.52

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3346-ECC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95629.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95629.D\ECD1A.CH Vial: 56
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95629.D\ECD2B.CH
 Acq On : 4 Nov 2010 1:43 pm Operator: toyar
 Sample : Ecc3143-200 Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.941 E6	-13.6	113	-0.02	6.06- 6.12
2 S	2,4-DCAA	2.199	2.680 E6	-21.9#	122	0.01	15.11-15.17
3	Dicamba	11.227	14.732 E6	-31.2#	131	0.00	15.36-15.42
4	MCP	5.139	6.194 E3	-20.5#	109	0.00	15.66-15.72
5	MCPA	9.756	11.862 E3	-21.6#	112	0.00	15.91-15.97
6	Dichloroprop	3.237	3.222 E6	0.5	96	0.00	16.45-16.51
7	2,4-D	3.114	2.838 E6	8.9	88	0.09	16.88-16.94
8	Pentachlorophenol	45.425	61.248 E6	-34.8#	133	0.00	17.10-17.16
9	2,4,5-TP	17.863	19.525 E6	-9.3	109	0.02	17.92-17.98
10	2,4,5-T	15.276	18.589 E6	-21.7#	117	0.12#	18.40-18.46
11	2,4-DB	1.547	1.761 E6	-13.8	115	0.13#	19.08-19.14
12	Dinoseb	17.092	20.948 E6	-22.6#	120	0.00	20.23-20.29
13	Picloram						

***** Signal #2 *****

1	Dalapon	1.634	1.595 E6	2.4	97	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	996.225 E3	-6.0	107	0.01	14.61-14.67
3	Dicamba	4.370	4.898 E6	-12.1	114	0.00	14.85-14.91
4	MCP	3.049	3.512 E3	-15.2#	126	0.00	15.05-15.11
5	MCPA	4.762	5.918 E3	-24.3#	118	0.00	15.41-15.47
6	Dichloroprop	1.341	1.238 E6	7.7	94	0.00	15.88-15.94
7	2,4-D	1.413	1.400 E6	0.9	98	0.08	16.40-16.46
8	Pentachlorophenol	17.136	21.407 E6	-24.9#	125	0.00	16.80-16.86
9	2,4,5-TP	7.074	6.542 E6	7.5	93	0.02	17.40-17.46
10	2,4,5-T	5.997	6.301 E6	-5.1	109	0.11#	17.97-18.03
11	2,4-DB	726.787	652.873 E3	10.2	88	0.19#	18.67-18.73
12	Dinoseb	4.931	4.948 E6	-0.3	99	0.00	18.85-18.91
13	Picloram						

Average % D = 14.0

(41.7 %) 10 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Thu Nov 04 14:21:03 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3348-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95642.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95642.D\ECD1A.CH Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95642.D\ECD2B.CH
 Acq On : 4 Nov 2010 7:41 pm Operator: toyar
 Sample : cc3143-300 Inst : GCWW
 Misc : OP46377,Gww3348,35.0,,,2,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1	Dalapon	3.469	3.785 E6	-9.1	112	-0.03	6.06	6.12
2 S	2,4-DCAA	2.199	2.423 E6	-10.2	115	0.00	15.10	15.16
3	Dicamba	11.227	13.486 E6	-20.1#	127	0.00	15.36	15.42
4	MCP	5.139	5.400 E3	-5.1	104	-0.01	15.66	15.72
5	MCPA	9.756	9.714 E3	0.4	117	0.00	15.90	15.96
6	Dichloroprop	3.237	2.895 E6	10.6	93	0.00	16.45	16.51
7	2,4-D	3.114	2.504 E6	19.6#	82	0.09	16.88	16.94
8	Pentachlorophenol	45.425	57.120 E6	-25.7#	127	0.00	17.11	17.17
9	2,4,5-TP	17.863	17.995 E6	-0.7	101	0.02	17.92	17.98
10	2,4,5-T	15.276	17.272 E6	-13.1	109	0.11#	18.39	18.45
11	2,4-DB	1.547	1.520 E6	1.7	102	0.11#	19.05	19.11
12	Dinoseb	17.092	20.994 E6	-22.8#	128	0.00	20.23	20.29
13	Picloram							

***** Signal #2 *****

1	Dalapon	1.634	1.535 E6	6.1	100	-0.03	5.13	5.19
2 S	2,4-DCAA	939.925	909.881 E3	3.2	102	0.00	14.61	14.67
3	Dicamba	4.370	4.567 E6	-4.5	108	0.00	14.85	14.91
4	MCP	3.049	3.316 E3	-8.8	127	0.00	15.05	15.11
5	MCPA	4.762	4.899 E3	-2.9	110	0.00	15.40	15.46
6	Dichloroprop	1.341	1.120 E6	16.5#	92	0.00	15.88	15.94
7	2,4-D	1.413	1.241 E6	12.2	90	0.09	16.41	16.47
8	Pentachlorophenol	17.136	20.388 E6	-19.0#	117	0.00	16.80	16.86
9	2,4,5-TP	7.074	6.042 E6	14.6	86	0.02	17.40	17.46
10	2,4,5-T	5.997	5.407 E6	9.8	81	0.10#	17.96	18.02
11	2,4-DB	726.787	651.958 E3	10.3	91	0.11#	18.59	18.65
12	Dinoseb	4.931	4.542 E6	7.9	93	0.00	18.85	18.91
13	Picloram							

Average % D = 10.6

(25.0 %) 6 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Nov 05 08:06:13 2010 GCCD

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3348-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95653.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95653.D\ECD1A.CH Vial: 23
 Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95653.D\ECD2B.CH
 Acq On : 5 Nov 2010 1:48 am Operator: toyar
 Sample : cc3143-200 Inst : GCWW
 Misc : OP46510,Gww3348,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.788 E6	-9.2	109	-0.03	6.06- 6.12
2 S	2,4-DCAA	2.199	2.412 E6	-9.7	109	0.02	15.12-15.18
3	Dicamba	11.227	13.729 E6	-22.3#	122	0.00	15.37-15.43
4	MCP	5.139	4.850 E3	5.6	85	0.00	15.67-15.73
5	MCPA	9.756	9.947 E3	-2.0	94	0.01	15.92-15.98
6	Dichloroprop	3.237	2.910 E6	10.1	87	0.00	16.45-16.51
7	2,4-D	3.114	2.487 E6	20.1#	77	0.11#	16.90-16.96
8	Pentachlorophenol	45.425	59.840 E6	-31.7#	130	0.00	17.11-17.17
9	2,4,5-TP	17.863	17.079 E6	4.4	95	0.03	17.93-17.99
10	2,4,5-T	15.276	16.016 E6	-4.8	100	0.14#	18.41-18.47
11	2,4-DB	1.547	1.533 E6	0.9	100	0.14#	19.08-19.14
12	Dinoseb	17.092	18.421 E6	-7.8	106	0.00	20.24-20.30
13	Picloram						

***** Signal #2 *****

1	Dalapon	1.634	1.574 E6	3.7	96	-0.02	5.14- 5.20
2 S	2,4-DCAA	939.925	898.391 E3	4.4	96	0.02	14.62-14.68
3	Dicamba	4.370	4.607 E6	-5.4	107	0.00	14.85-14.91
4	MCP	3.049	3.444 E3	-13.0	124	0.00	15.06-15.12
5	MCPA	4.762	5.309 E3	-11.5	106	0.01	15.41-15.47
6	Dichloroprop	1.341	1.116 E6	16.8#	84	0.00	15.89-15.95
7	2,4-D	1.413	1.213 E6	14.2	85	0.09	16.42-16.48
8	Pentachlorophenol	17.136	19.281 E6	-12.5	113	0.00	16.80-16.86
9	2,4,5-TP	7.074	5.868 E6	17.0#	84	0.03	17.40-17.46
10	2,4,5-T	5.997	5.578 E6	7.0	97	0.12#	17.98-18.04
11	2,4-DB	726.787	619.530 E3	14.8	83	0.19#	18.67-18.73
12	Dinoseb	4.931	4.394 E6	10.9	88	0.01	18.86-18.92
13	Picloram						

Average % D = 10.8

(20.8 %) 5 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Fri Nov 05 08:08:46 2010 GCCD

9.8.55

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3356-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95883.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3356\WW95883.D\ECD1A.CH Vial: 1
 Signal #2 : C:\HPCHEM\1\DATA\GWW3356\WW95883.D\ECD2B.CH
 Acq On : 12 Nov 2010 11:13 am Operator: toyar
 Sample : CC3143-200 Inst : GCWW
 Misc : OP46385,Gww3356,100,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.807 E6	-9.7	109	-0.04	6.04- 6.10
2 S	2,4-DCAA	2.199	2.444 E6	-11.1	111	0.00	15.09-15.15
3	Dicamba	11.227	13.263 E6	-18.1#	118	-0.02	15.34-15.40
4	MCPPE	5.139	5.031 E3	2.1	88	-0.03	15.65-15.71
5	MCPA	9.756	10.881 E3	-11.5	103	-0.01	15.89-15.95
6	Dichloroprop	3.237	2.962 E6	8.5	88	-0.02	16.43-16.49
7	2,4-D	3.114	2.737 E6	12.1	85	0.06	16.85-16.91
8	Pentachlorophenol	45.425	54.385 E6	-19.7#	118	-0.02	17.08-17.14
9	2,4,5-TP	17.863	16.688 E6	6.6	93	0.00	17.90-17.96
10	2,4,5-T	15.276	16.492 E6	-8.0	103	0.08	18.35-18.41
11	2,4-DB	1.547	1.402 E6	9.4	91	0.07	19.02-19.08
12	Dinoseb	17.092	19.602 E6	-14.7	112	-0.03	20.21-20.27
13	Picloram						-----NA-----

***** Signal #2 *****

1	Dalapon	1.634	1.504 E6	8.0	91	-0.03	5.13- 5.19
2 S	2,4-DCAA	939.925	901.605 E3	4.1	97	0.00	14.59-14.65
3	Dicamba	4.370	4.408 E6	-0.9	102	-0.02	14.83-14.89
4	MCPPE	3.049	3.747 E3	-22.9#	135	-0.02	15.04-15.10
5	MCPA	4.762	5.377 E3	-12.9	107	0.00	15.39-15.45
6	Dichloroprop	1.341	1.120 E6	16.5#	85	-0.02	15.87-15.93
7	2,4-D	1.413	1.275 E6	9.8	89	0.06	16.38-16.44
8	Pentachlorophenol	17.136	17.128 E6	0.0	100	-0.02	16.78-16.84
9	2,4,5-TP	7.074	5.803 E6	18.0#	83	0.00	17.37-17.43
10	2,4,5-T	5.997	5.594 E6	6.7	97	0.06	17.93-17.99
11	2,4-DB	726.787	719.805 E3	1.0	97	0.07	18.55-18.61
12	Dinoseb	4.931	4.249 E6	13.8	85	0.00	18.84-18.90
13	Picloram						-----NA-----

Average % D = 10.3

(20.8 %) 5 of 24 compounds'%D > 15

(#) = Out of Range
 WW90010.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue Nov 16 09:56:00 2010 GCCD

9.8.56

9

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58900

Sample: GWW3356-CC3143

Account: ENSRMAA AECOM, INC.

Lab FileID: WW95891.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\GWW3356\WW95891.D\ECD1A.CH Vial: 9
 Signal #2 : C:\HPCHEM\1\DATA\GWW3356\WW95891.D\ECD2B.CH
 Acq On : 12 Nov 2010 3:21 pm Operator: toyar
 Sample : CC3143-300 Inst : GCWW
 Misc : OP46441,Gww3356,30.2,,,10,5 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Tue May 18 16:50:01 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	Dalapon	3.469	3.617 E6	-4.3	107	-0.04	6.04- 6.10
2 S	2,4-DCAA	2.199	2.299 E6	-4.5	109	-0.01	15.08-15.14
3	Dicamba	11.227	12.128 E6	-8.0	114	-0.02	15.34-15.40
4	MCP	5.139	4.874 E3	5.2	94	-0.03	15.65-15.71
5	MCPA	9.756	9.810 E3	-0.6	118	-0.02	15.89-15.95
6	Dichloroprop	3.237	2.755 E6	14.9	88	-0.02	16.43-16.49
7	2,4-D	3.114	2.696 E6	13.4	88	0.06	16.85-16.91
8	Pentachlorophenol	45.425	53.926 E6	-18.7#	120	-0.02	17.09-17.15
9	2,4,5-TP	17.863	15.836 E6	11.3	89	0.00	17.90-17.96
10	2,4,5-T	15.276	14.762 E6	3.4	94	0.08	18.35-18.41
11	2,4-DB	1.547	1.339 E6	13.4	90	0.08	19.02-19.08
12	Dinoseb	17.092	18.581 E6	-8.7	113	-0.03	20.21-20.27
13	Picloram						-----NA-----

***** Signal #2 *****

1	Dalapon	1.634	1.391 E6	14.9	91	-0.03	5.13- 5.19
2 S	2,4-DCAA	939.925	843.676 E3	10.2	94	-0.01	14.59-14.65
3	Dicamba	4.370	4.021 E6	8.0	95	-0.02	14.83-14.89
4	MCP	3.049	2.780 E3	8.8	106	-0.02	15.04-15.09
5	MCPA	4.762	4.779 E3	-0.4	108	-0.02	15.38-15.44
6	Dichloroprop	1.341	1.033 E6	23.0#	85	-0.02	15.87-15.93
7	2,4-D	1.413	1.144 E6	19.0#	83	0.05	16.37-16.43
8	Pentachlorophenol	17.136	16.395 E6	4.3	94	-0.02	16.78-16.84
9	2,4,5-TP	7.074	5.430 E6	23.2#	77	0.00	17.37-17.43
10	2,4,5-T	5.997	5.267 E6	12.2	79	0.06	17.93-17.99
11	2,4-DB	726.787	640.358 E3	11.9	89	0.08	18.56-18.62
12	Dinoseb	4.931	3.978 E6	19.3#	81	0.00	18.84-18.90
13	Picloram						-----NA-----

Average % D = 10.9

(20.8 %) 5 of 24 compounds'%D > 15

(#) = Out of Range
 WW90009.D HWW3143.M

SPCC's out = 0 CCC's out = 0
 Tue Nov 16 09:40:34 2010 GCCD



GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95564.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95564.D\ECD2B.CH
Acq On : 2 Nov 2010 3:50 pm Operator: toyar
Sample : JA58900-1 Inst : GCWW
Misc : OP46377,Gww3343,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 16:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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
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System Monitoring Compounds
2) S 2,4-DCAA 15.14f 14.65f 680.1E6 207.1E6 309.276 220.350 #
Spiked Amount 500.000 Recovery = 61.86% 44.07%

Target Compounds

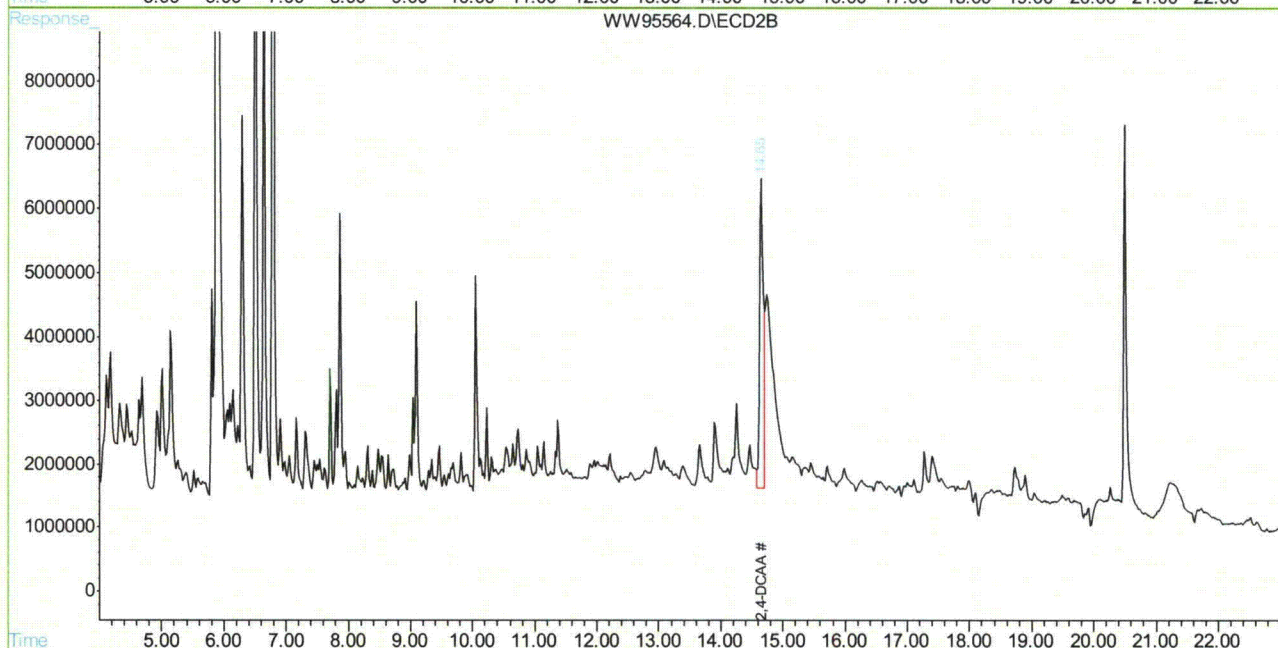
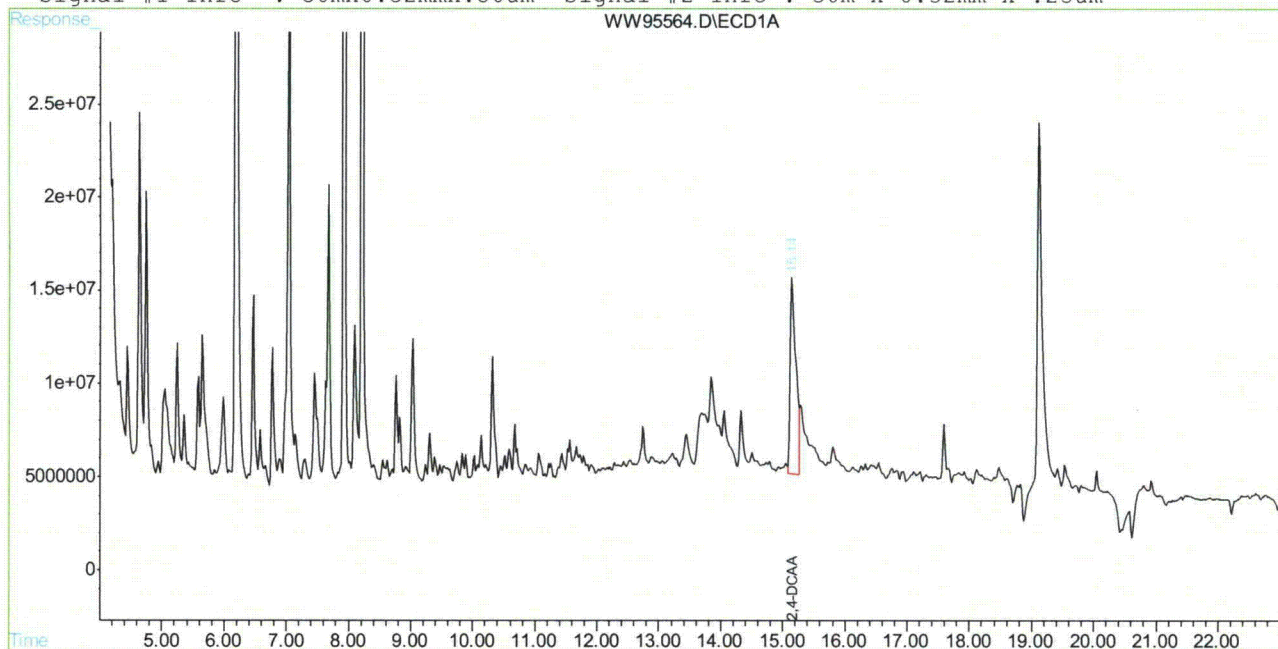
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95564.D HWW3143.M Wed Nov 03 13:47:38 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95564.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95564.D\ECD2B.CH
Acq On : 2 Nov 2010 3:50 pm Operator: toyar
Sample : JA58900-1 Inst : GCWW
Misc : OP46377,Gww3343,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 16:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95564.D HWW3143.M Wed Nov 03 13:47:38 2010 GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95610.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95610.D\ECD2B.CH
Acq On : 4 Nov 2010 1:52 am Operator: toyar
Sample : ja58900-1cf Inst : GCWW
Misc : OP46441,Gww3346,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:33 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.16	14.66	933.2E6	397.1E6	424.367	422.489
Spiked Amount	500.000		Recovery	=	84.87%	84.50%

Target Compounds

10.12 10

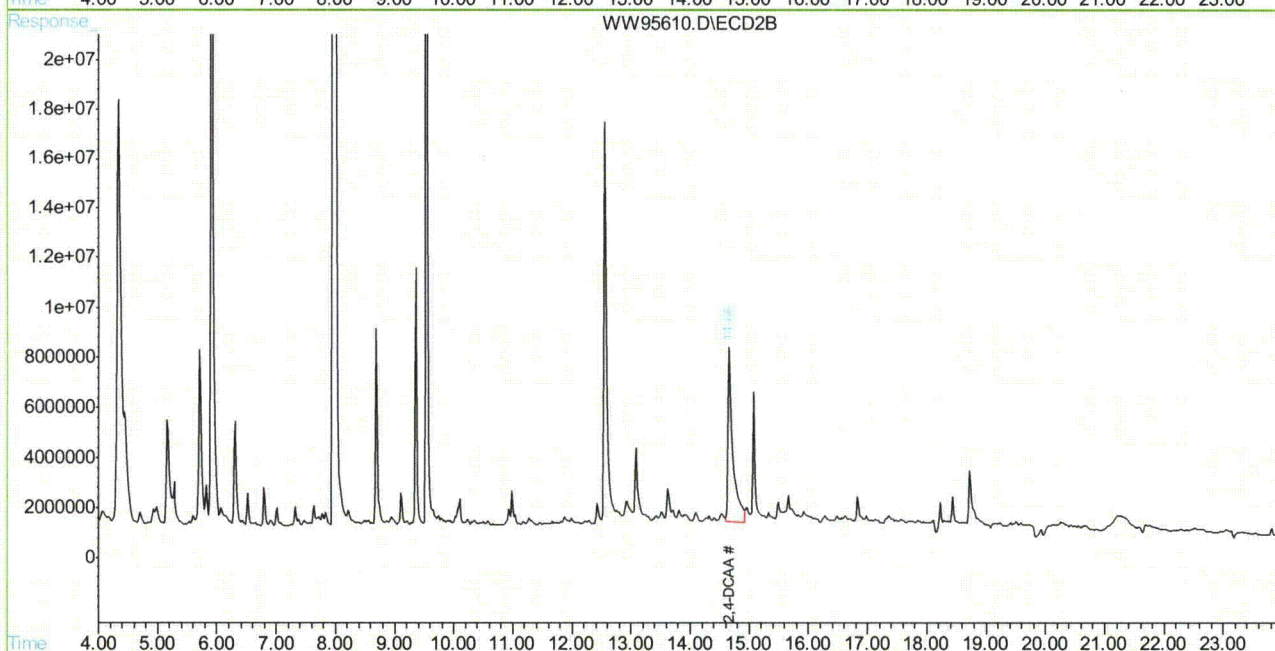
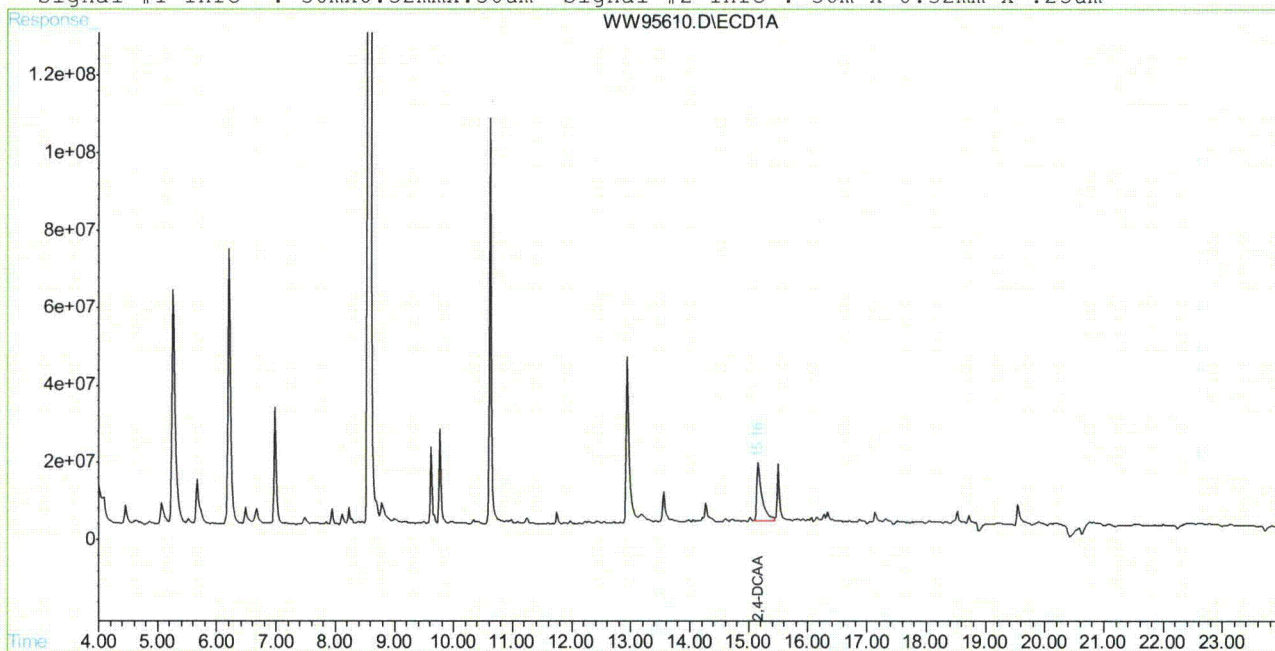
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95610.D HWW3143.M Thu Nov 04 15:39:38 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95610.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95610.D\ECD2B.CH
Acq On : 4 Nov 2010 1:52 am Operator: toyar
Sample : ja58900-1cf Inst : GCWW
Misc : OP46441,Gww3346,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:33 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 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



WW95610.D HWW3143.M

Thu Nov 04 15:39:38 2010

GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95565.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95565.D\ECD2B.CH
Acq On : 2 Nov 2010 4:25 pm Operator: toyar
Sample : JA58900-2 Inst : GCWW
Misc : OP46377,Gww3343,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 16:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.15f	14.66f	848.3E6	181.1E6	385.763	192.678 #
Spiked Amount	500.000		Recovery	=	77.15%	38.54%

Target Compounds

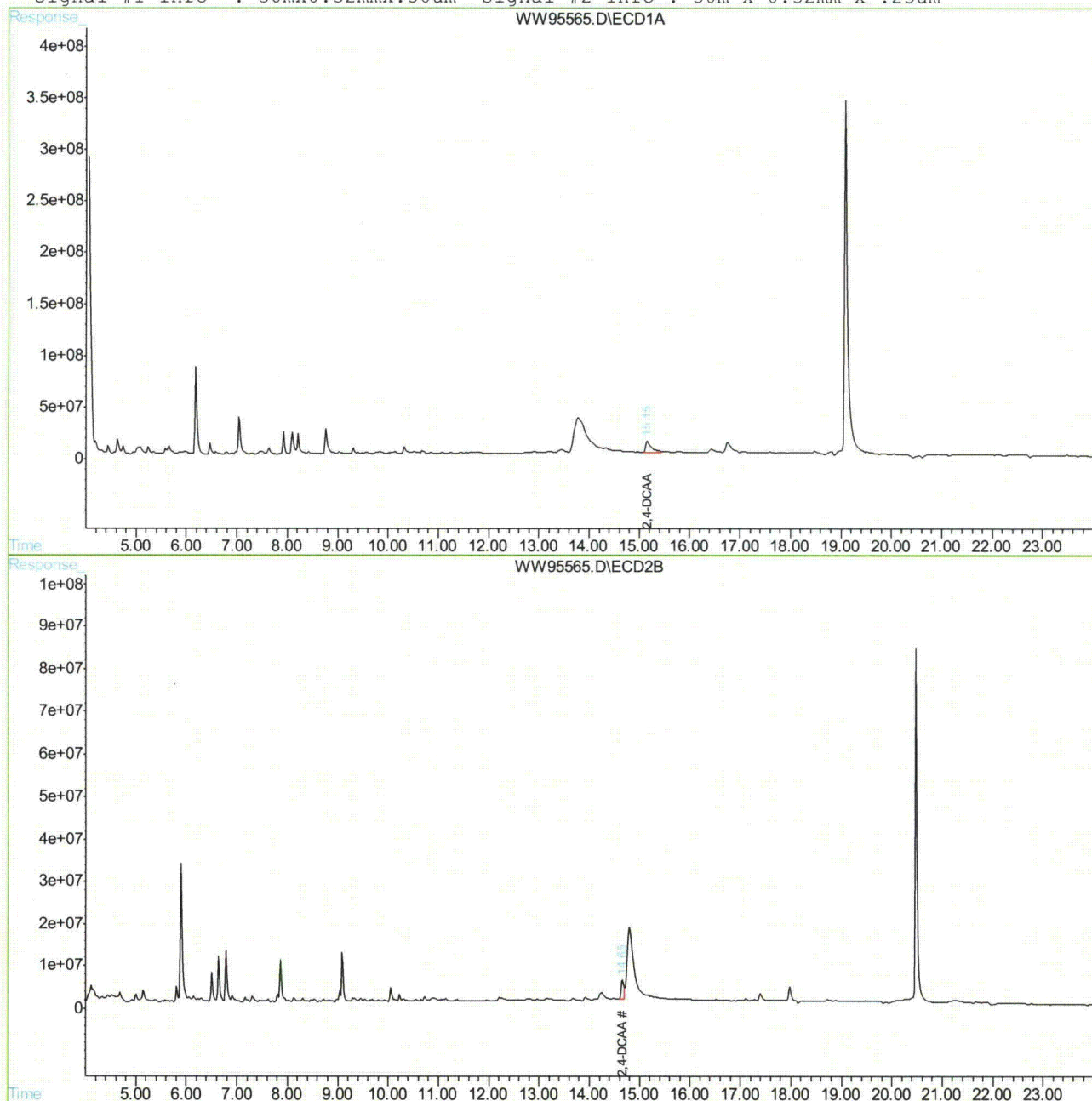
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95565.D HWW3143.M Wed Nov 03 13:47:49 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3343\WW95565.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\GWW3343\WW95565.D\ECD2B.CH
Acq On : 2 Nov 2010 4:25 pm Operator: toyar
Sample : JA58900-2 Inst : GCWW
Misc : OP46377,Gww3343,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 16:53 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95565.D HWW3143.M

Wed Nov 03 13:47:49 2010

GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD1A.CH Vial: 38
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD2B.CH
 Acq On : 4 Nov 2010 2:14 am Operator: toyar
 Sample : ja58900-2cf Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 15:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 15:32:46 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
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System Monitoring Compounds						
2) S 2,4-DCAA	15.17	14.68	778.4E6	311.8E6	353.994m	331.701m
Spiked Amount	500.000		Recovery	=	70.80%	66.34%

Target Compounds

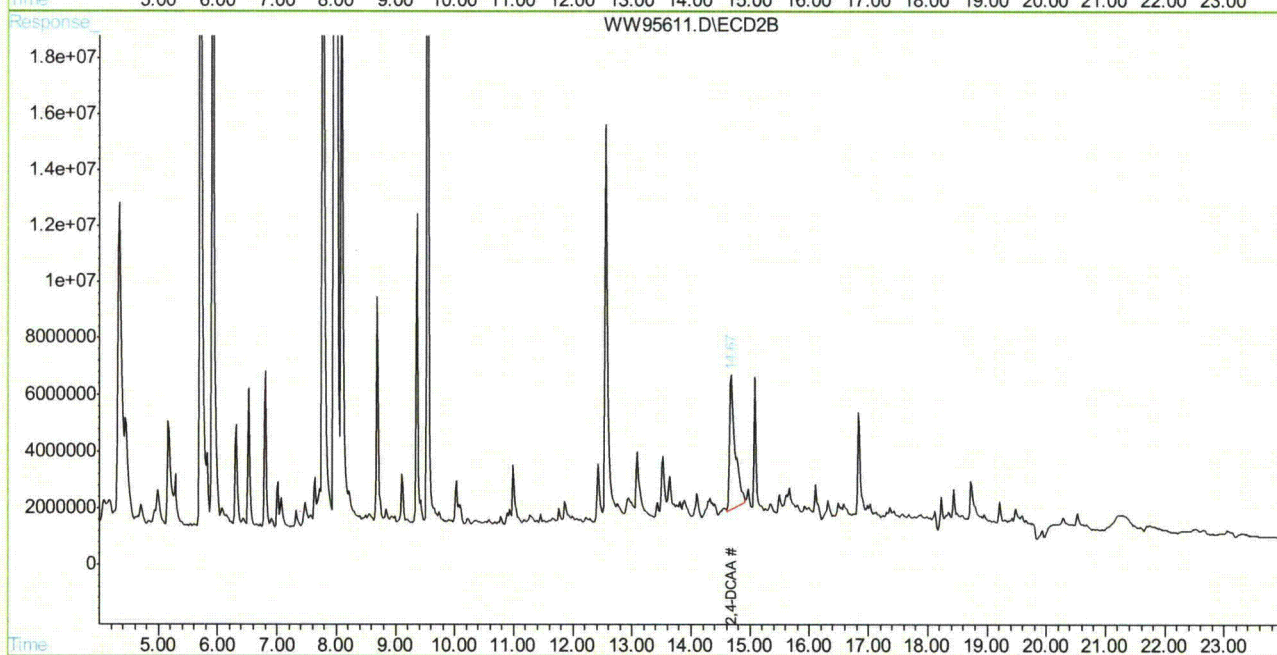
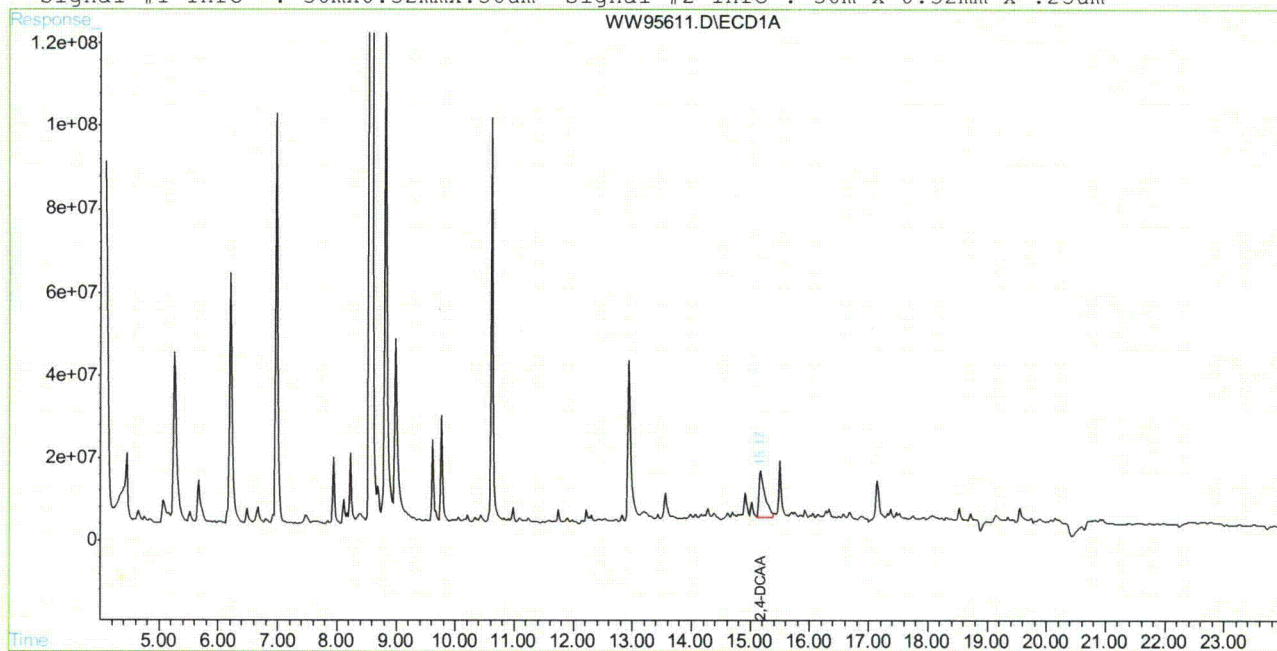
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95611.D HWW3143.M Thu Nov 04 15:40:25 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD1A.CH Vial: 38
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD2B.CH
Acq On : 4 Nov 2010 2:14 am Operator: toyar
Sample : ja58900-2cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95611.D HWW3143.M Thu Nov 04 15:40:25 2010 GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-2 **Method:** SW846 8151
Lab FileID: WW95611.D **Analyst approved:** 11/04/10 17:51 Jessica Reitan-Chu
Injection Time: 11/04/10 02:14 **Supervisor approved:** 11/04/10 18:01 Jessica Reitan-Chu

Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.68	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.17	Poorly defined baseline

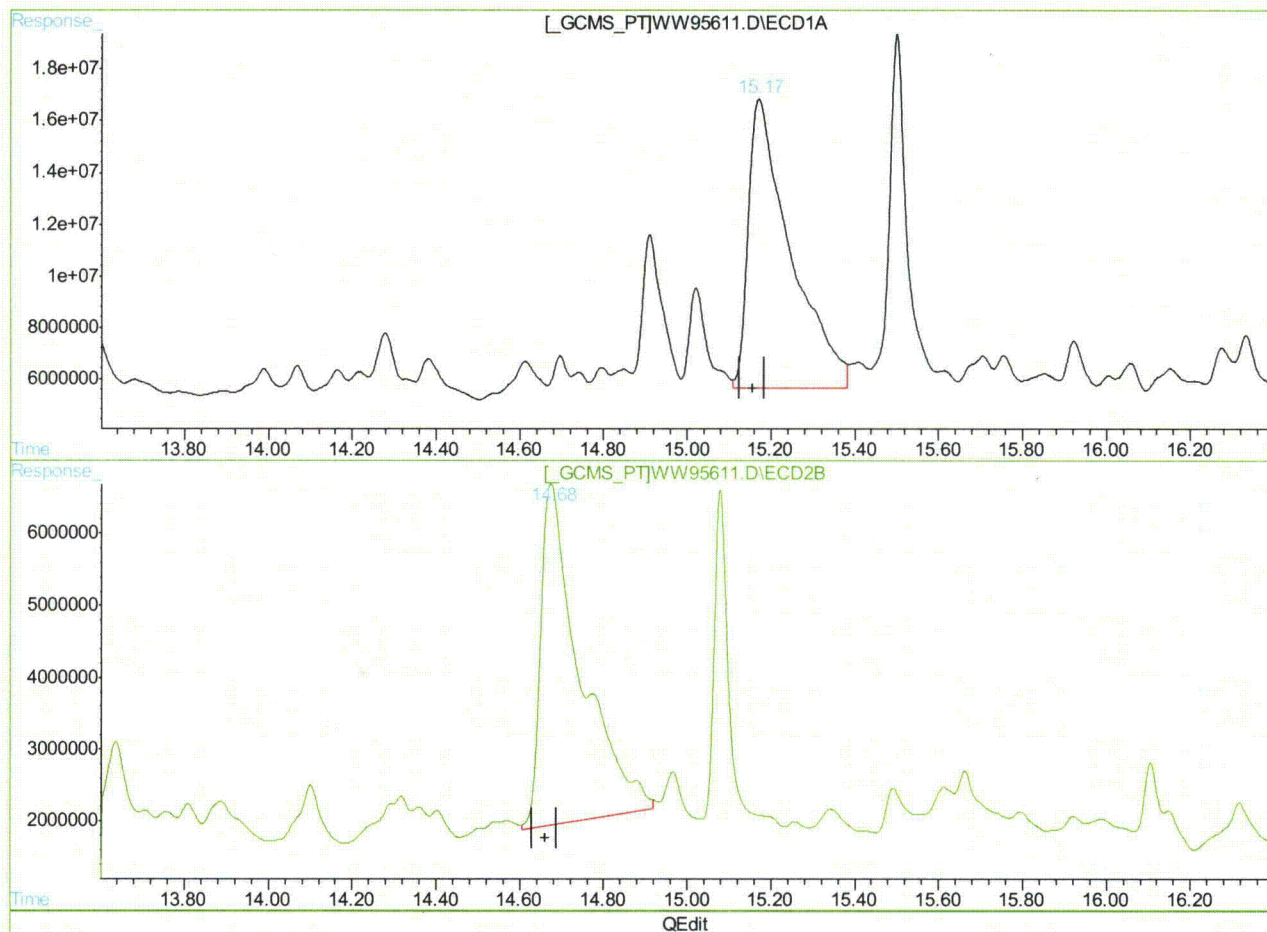
10.1.4.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD1A.CH Vial: 38
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95611.D\ECD2B.CH
Acq On : 4 Nov 2010 2:14 am Operator: toyar
Sample : ja58900-2cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:39 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 353.994PPB m

response 778437051

(2) 2,4-DCAA #2 (S)

14.68min 331.701PPB m

response 311774290

(+) = Expected Retention Time
WW95611.D HWW3143.M Thu Nov 04 15:40:19 2010

GCCD

Wen Wen Chi
11/04/10 14:04

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD2B.CH
Acq On : 28 Oct 2010 9:05 pm Operator: toyar
Sample : ja58900-3 Inst : GCWW
Misc : OP46377,Gww3340,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:22 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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 15.20 14.69 718.9E6 306.1E6 326.908m 325.662m
Spiked Amount 500.000 Recovery = 65.38% 65.13%

Target Compounds

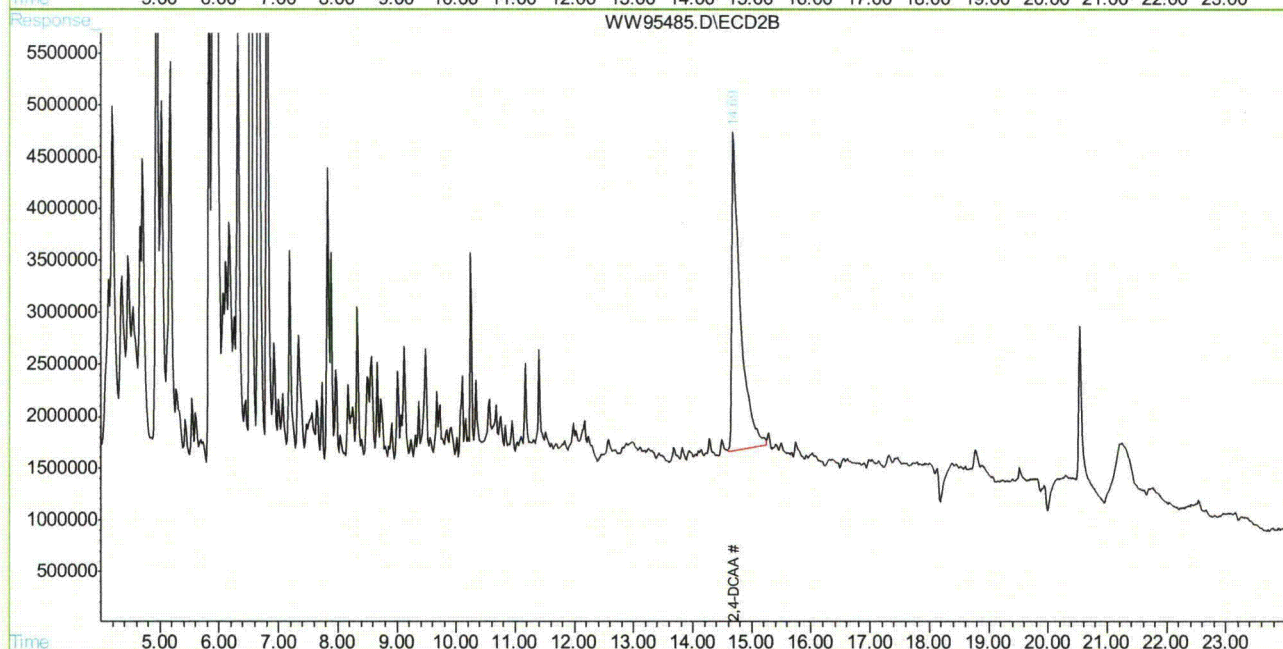
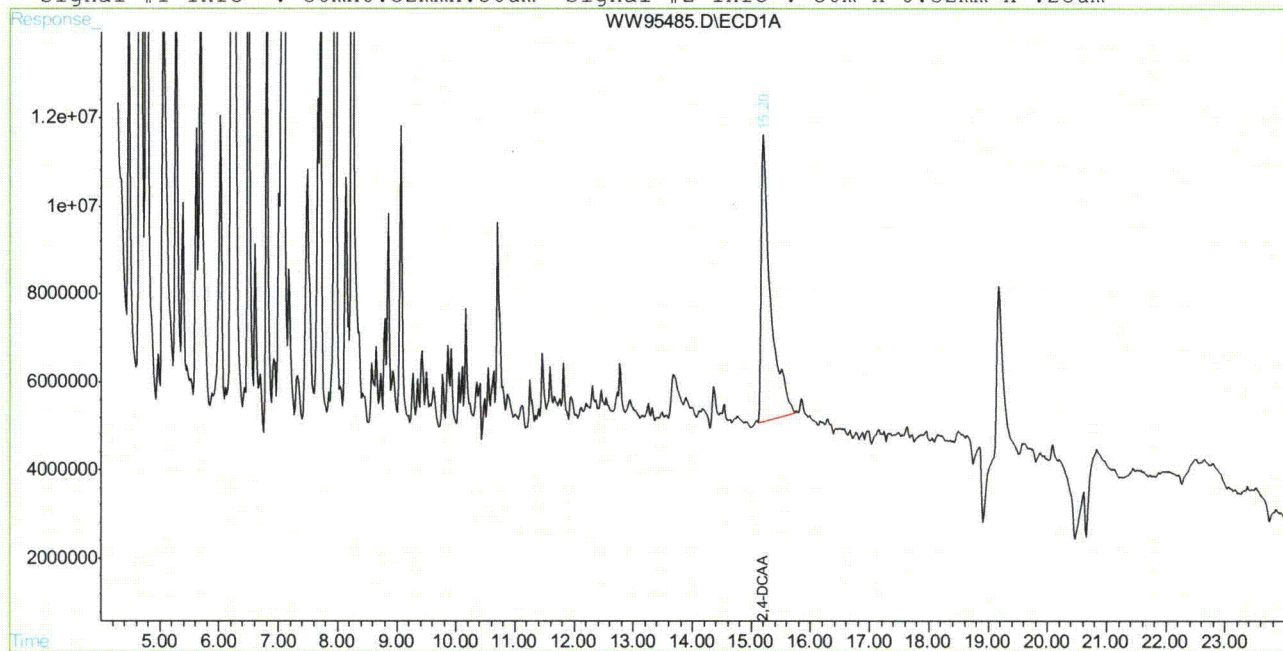
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95485.D HWW3143.M Fri Oct 29 11:22:21 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD2B.CH
Acq On : 28 Oct 2010 9:05 pm Operator: toyar
Sample : ja58900-3 Inst : GCWW
Misc : OP46377,Gww3340,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:22 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95485.D HWW3143.M Fri Oct 29 11:22:22 2010 GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-3 **Method:** SW846 8151
Lab FileID: WW95485.D **Analyst approved:** 11/04/10 14:04 Wen Wen Chi
Injection Time: 10/28/10 21:05 **Supervisor approved:** 11/04/10 14:04 Wen Wen Chi

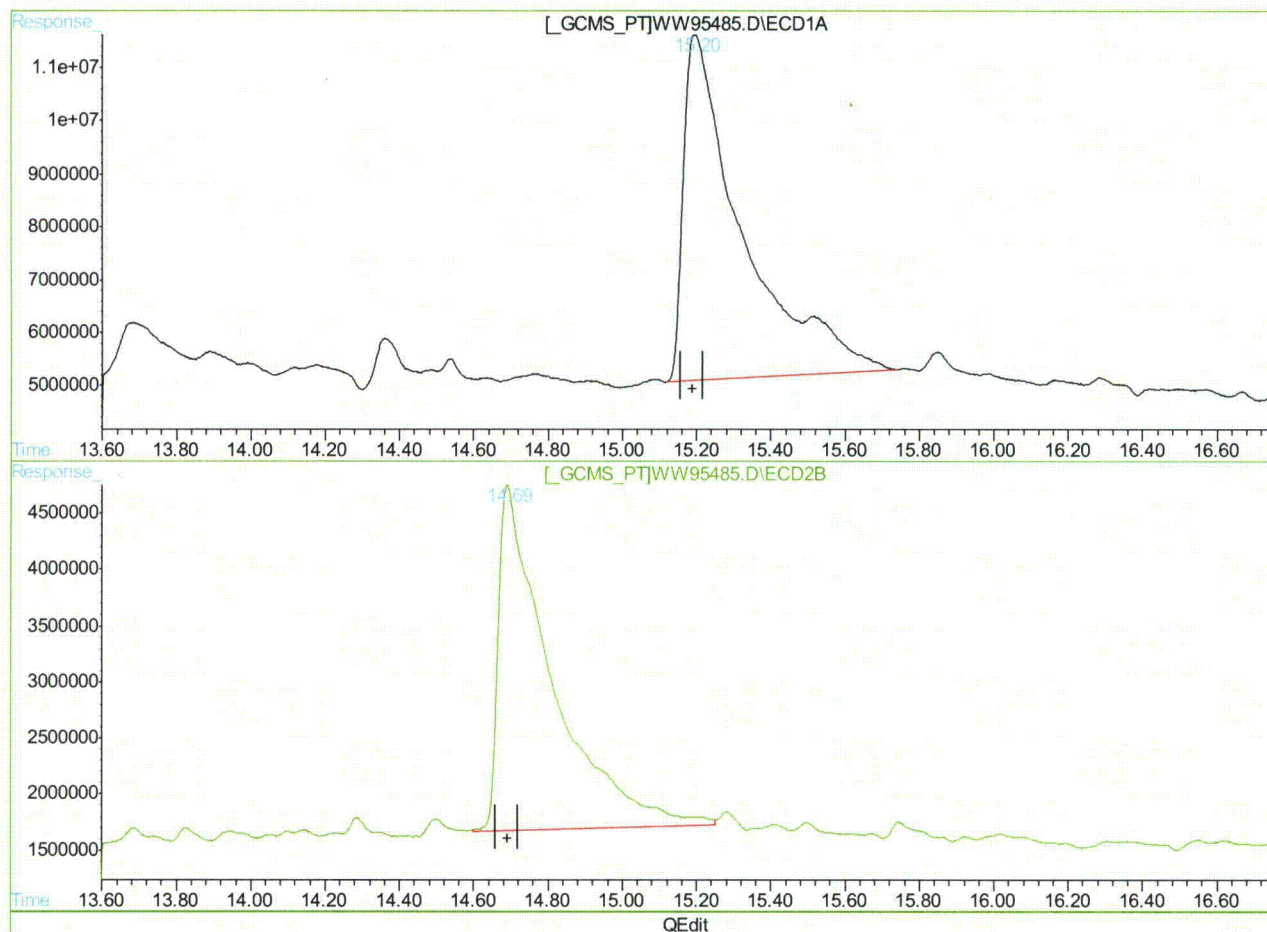
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.69	Poor instrument integration
2,4-DCAA	19719-28-9	1	15.20	Poor instrument integration

10.1.5.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95485.D\ECD2B.CH
Acq On : 28 Oct 2010 9:05 pm Operator: toyar
Sample : ja58900-3 Inst : GCWW
Misc : OP46377,Gww3340,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:21 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.20min 326.908PPB m

response 718875495

(2) 2,4-DCAA #2 (S)

14.69min 325.662PPB m

response 306097450

(+) = Expected Retention Time

WW95485.D HWW3143.M

Fri Oct 29 11:22:15 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95626.D\ECD1A.CH Vial: 53
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95626.D\ECD2B.CH
 Acq On : 4 Nov 2010 11:02 am Operator: toyar
 Sample : ja58900-3cf Inst : GCWW
 Misc : OP46441,Gww3346,35.3,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 18:09 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 18:09:11 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	15.17	14.68	856.7E6	359.1E6	389.592	382.032
Spiked Amount	500.000		Recovery	=	77.92%	76.41%

Target Compounds

10.1.6
10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95626.D HWW3143.M Thu Nov 04 18:09:29 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95626.D\ECD1A.CH Vial: 53
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95626.D\ECD2B.CH
Acq On : 4 Nov 2010 11:02 am Operator: toyar
Sample : ja58900-3cf Inst : GCWW
Misc : OP46441,Gww3346,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 18:09 2010 Quant Results File: HWW3143.RES

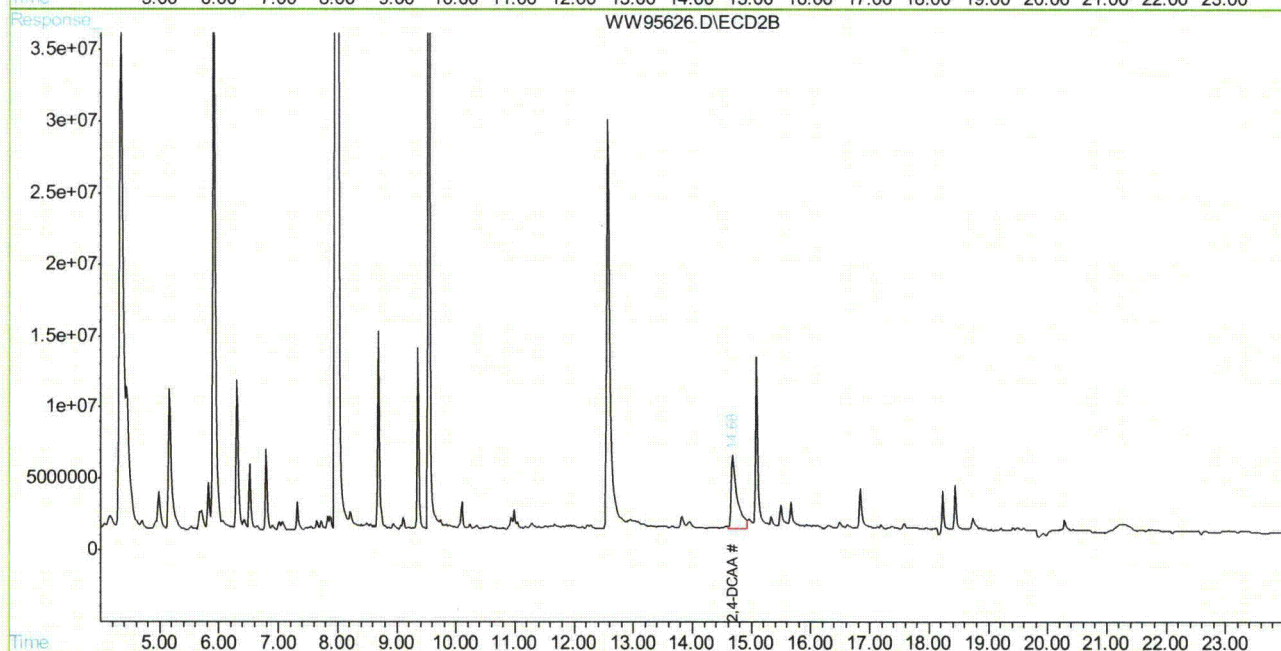
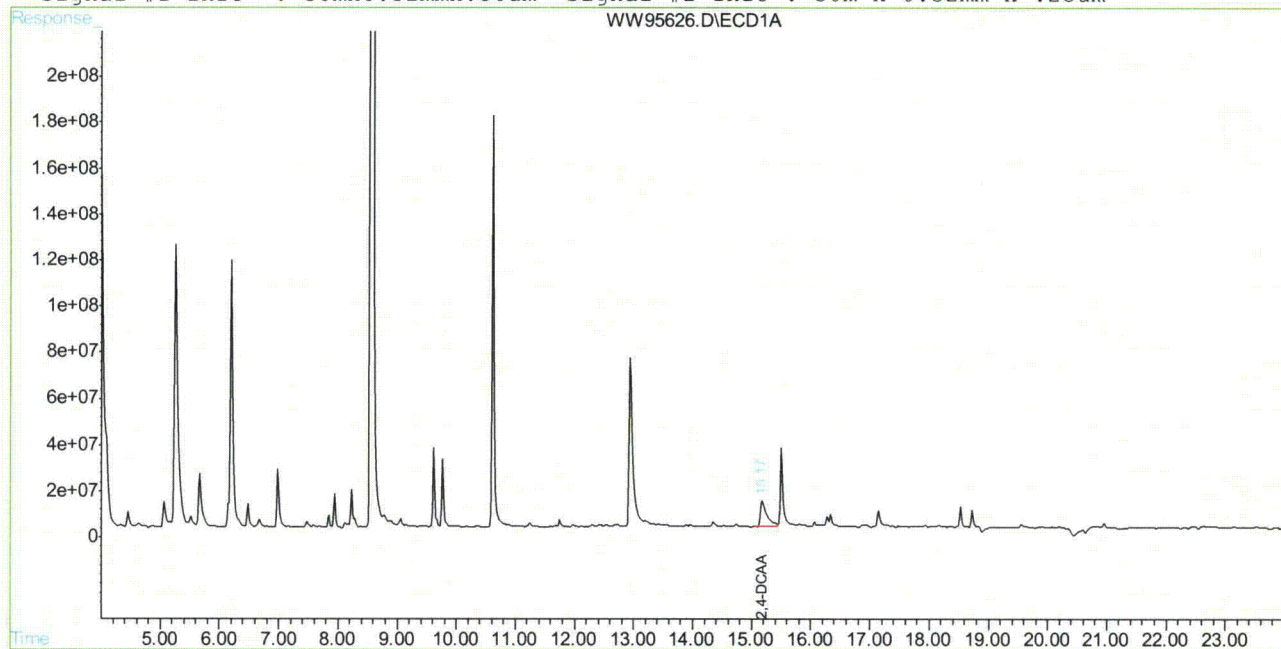
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 18:09:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95626.D HWW3143.M

Thu Nov 04 18:09:29 2010

GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD2B.CH
Acq On : 3 Nov 2010 12:57 pm Operator: toyar
Sample : JA58900-4 Inst : GCWW
Misc : OP46377,Gww3344,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 13:46 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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	423.0E6	368.5E6	192.365m	392.013m#
Spiked Amount	500.000		Recovery	=	38.47%	78.40%

Target Compounds

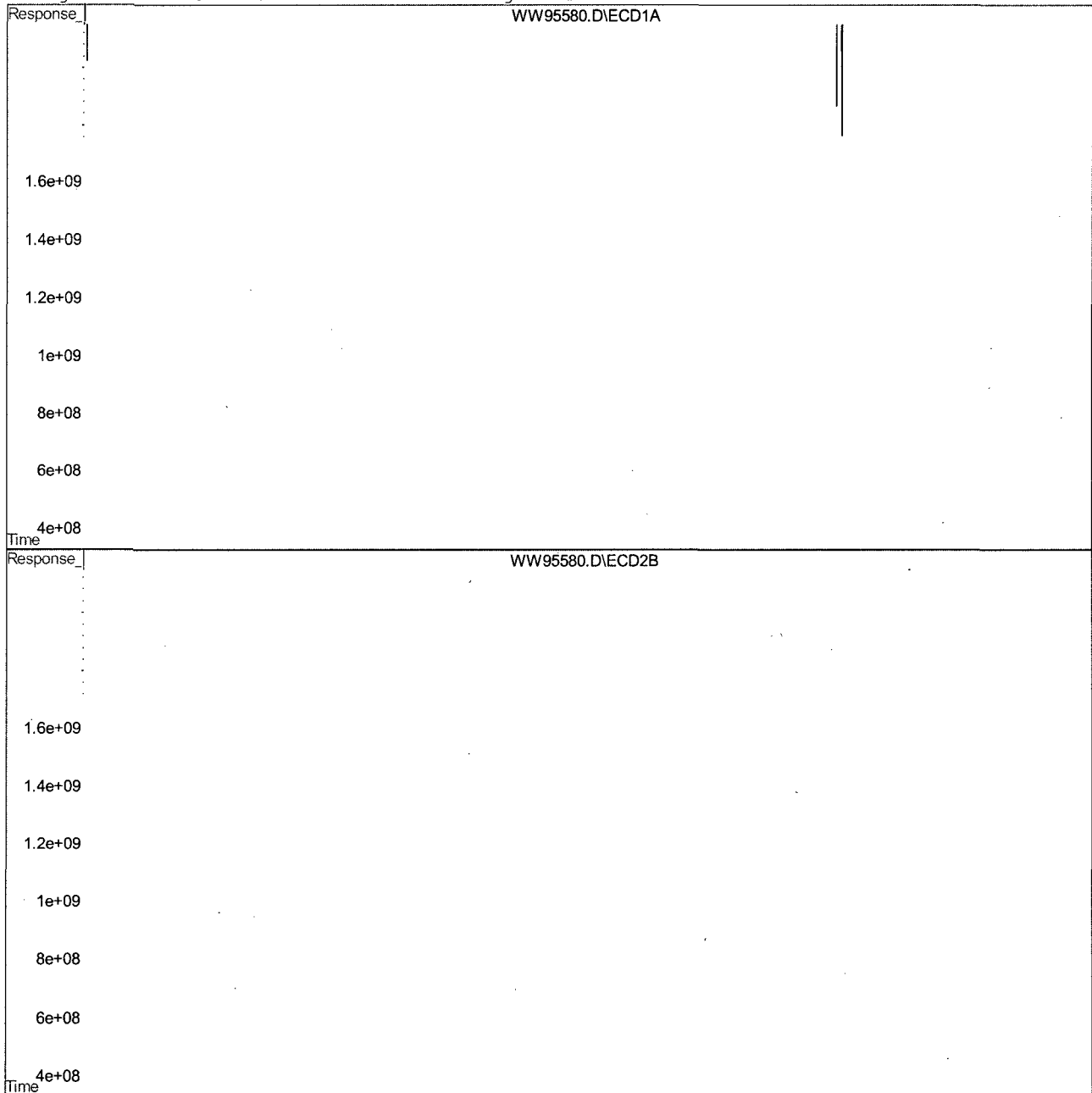
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95580.D HWW3143.M Wed Nov 03 13:47:01 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD2B.CH
Acq On : 3 Nov 2010 12:57 pm Operator: toyar
Sample : JA58900-4 Inst : GCWW
Misc : OP46377,Gww3344,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 13:46 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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

Page 1 of 1

Sample Number: JA58900-4 **Method:** SW846 8151
Lab FileID: WW95580.D **Analyst approved:** 11/04/10 17:59 Jessica Reitan-Chu
Injection Time: 11/03/10 12:57 **Supervisor approved:** 11/04/10 18:24 Jessica Reitan-Chu

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.64	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.14	Poorly defined baseline

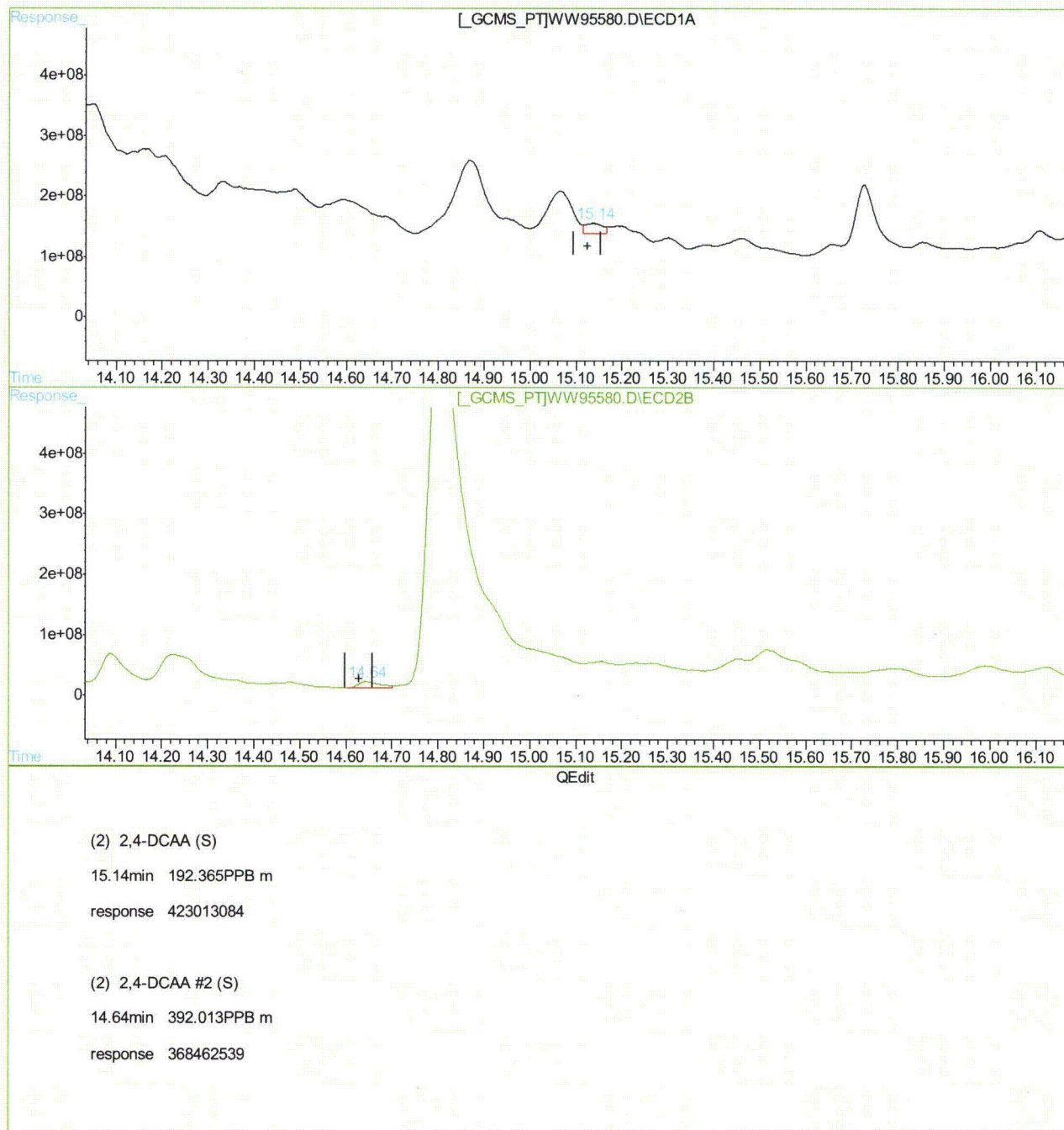
10.1.7.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95580.D\ECD2B.CH
Acq On : 3 Nov 2010 12:57 pm Operator: toyar
Sample : JA58900-4 Inst : GCWW
Misc : OP46377,Gww3344,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 13:17 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Wed Nov 03 13:44:33 2010
Response via : Multiple Level Calibration



(+) = Expected Retention Time
WW95580.D HWW3143.M Wed Nov 03 13:46:54 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD1A.CH Vial: 54
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD2B.CH
 Acq On : 4 Nov 2010 11:32 am Operator: toyar
 Sample : ja58900-4cf Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 18:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 18:09:11 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	15.17	14.68	909.6E6	219.6E6	413.622m	233.683m#
Spiked Amount	500.000		Recovery	=	82.72%	46.74%

Target Compounds

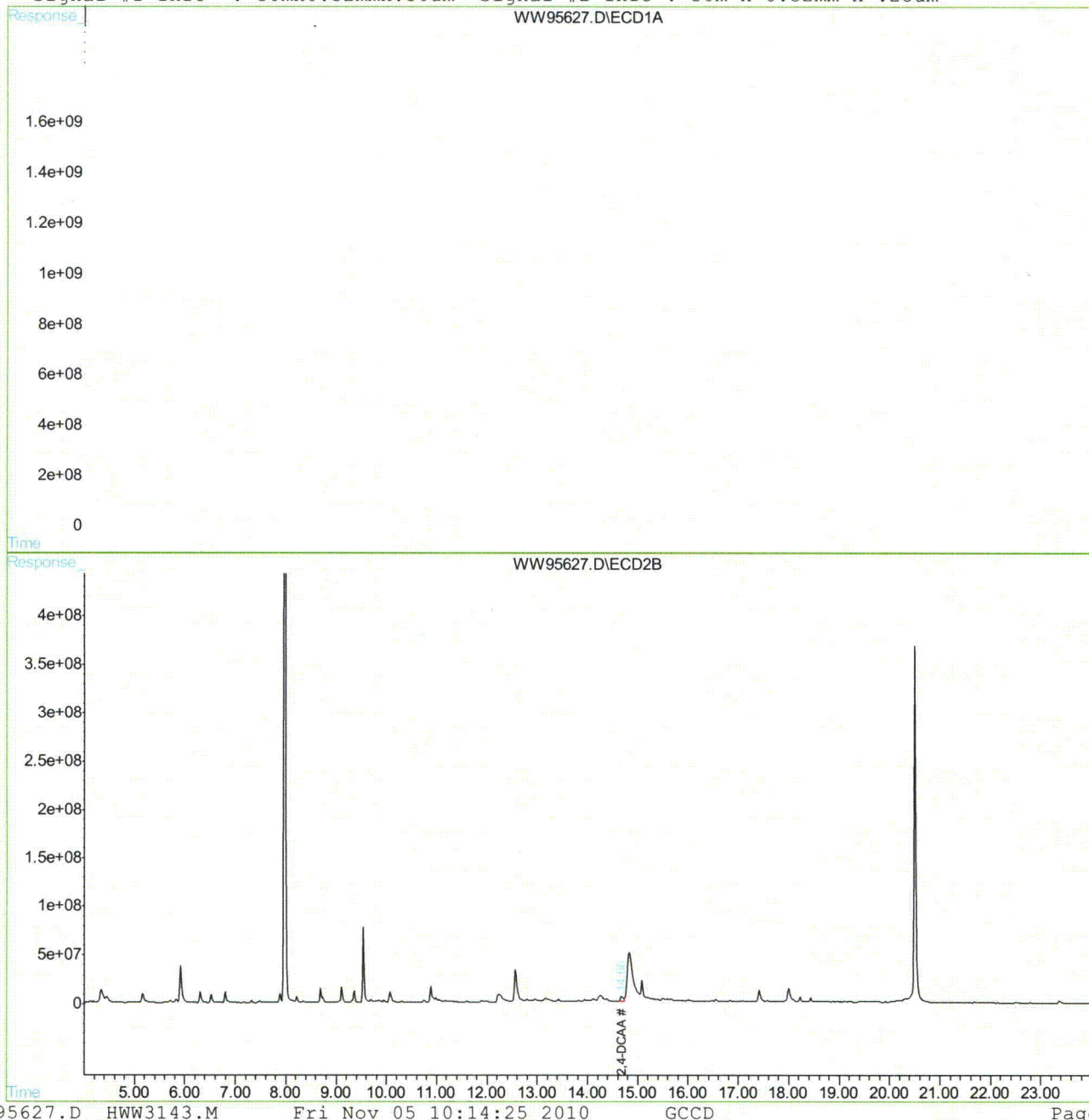
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95627.D HWW3143.M Fri Nov 05 10:14:25 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD2B.CH
Acq On : 4 Nov 2010 11:32 am Operator: toyar
Sample : ja58900-4cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 18:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 18:09:11 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



10.1.8 10

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-4 **Method:** SW846 8151
Lab FileID: WW95627.D **Analyst approved:** 11/05/10 10:12 Toya Dagena Raffington
Injection Time: 11/04/10 11:32 **Supervisor approved:** 11/05/10 10:37 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.68	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.17	Poorly defined baseline

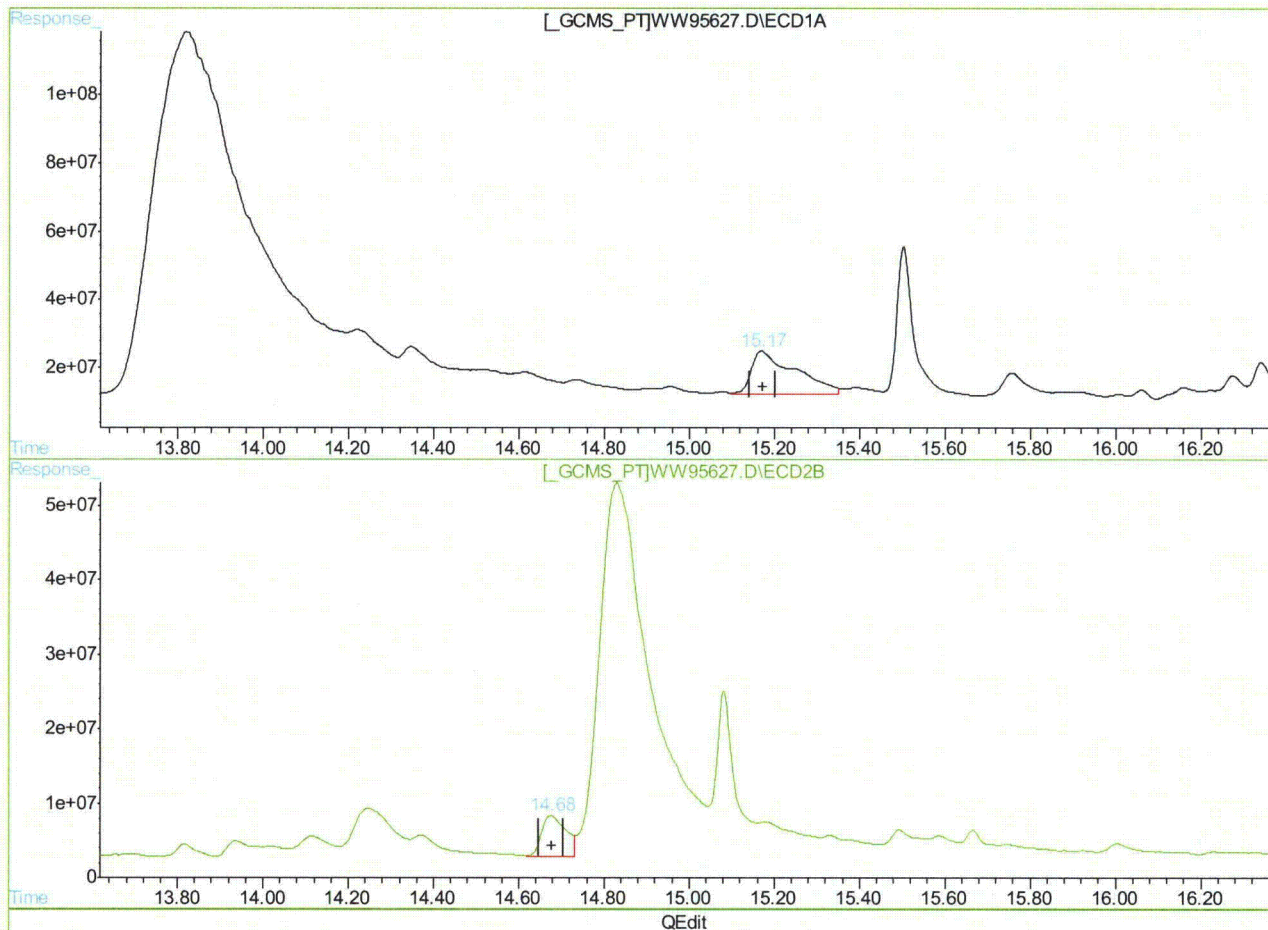
10.18.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95627.D\ECD2B.CH
Acq On : 4 Nov 2010 11:32 am Operator: toyar
Sample : ja58900-4 Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 18:09 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 18:09:11 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 413.622PPB m

response 909558765

(2) 2,4-DCAA #2 (S)

14.68min 233.683PPB m

response 219644483

(+) = Expected Retention Time
WW95627.D HWW3143.M Thu Nov 04 18:10:07 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95339.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95339.D\ECD2B.CH
Acq On : 22 Oct 2010 6:17 am Operator: toyar
Sample : JA58900-5 Inst : GCWW
Misc : OP46107,Gww3334,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 25 15:55 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Mon Oct 25 15:54:09 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	15.19	14.69	1166.4E6	473.4E6	530.431	503.705
Spiked Amount	500.000		Recovery	=	106.09%	100.74%

Target Compounds

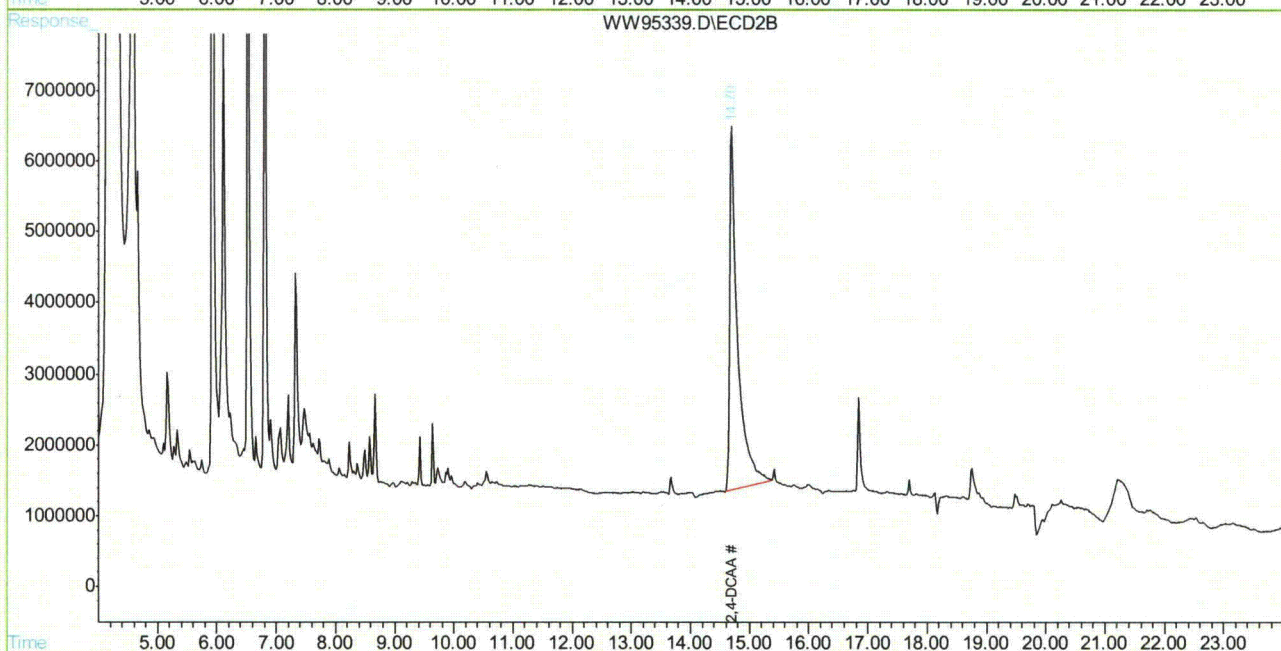
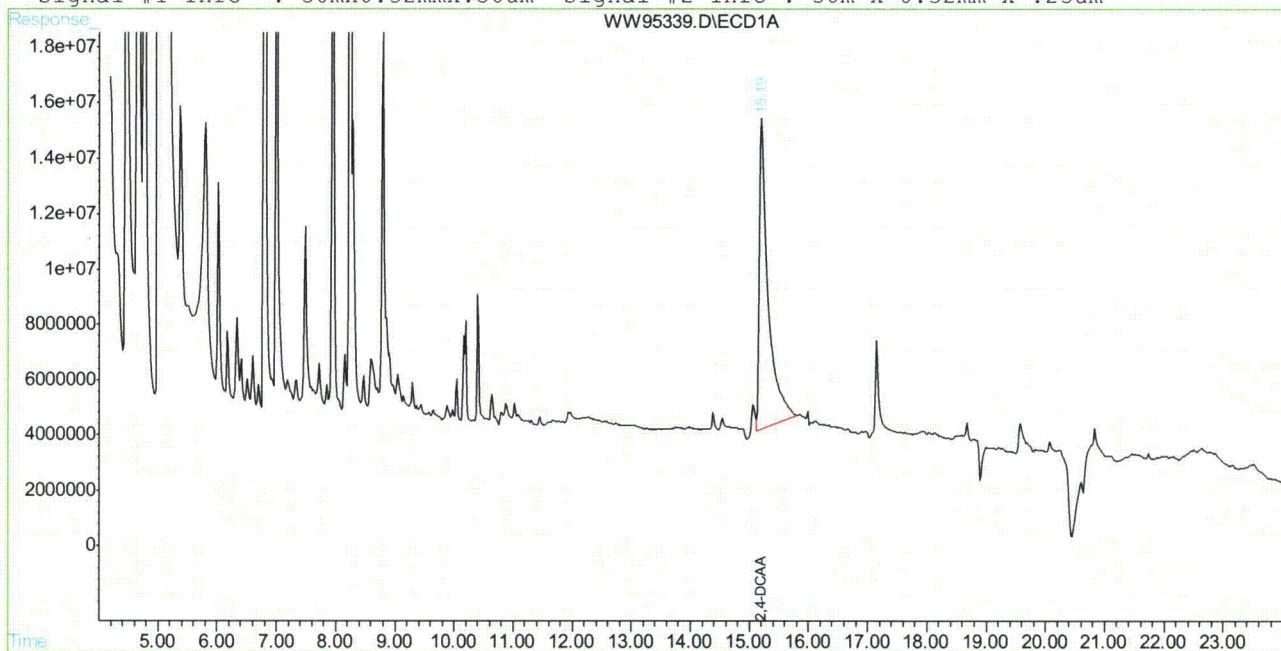
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95339.D HWW3143.M Mon Oct 25 15:55:17 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95339.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95339.D\ECD2B.CH
Acq On : 22 Oct 2010 6:17 am Operator: toyar
Sample : JA58900-5 Inst : GCWW
Misc : OP46107,Gww3334,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 25 15:55 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Mon Oct 25 15:54:09 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95339.D HWW3143.M

Mon Oct 25 15:55:17 2010

GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95335.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95335.D\ECD2B.CH
Acq On : 22 Oct 2010 3:41 am Operator: toyar
Sample : JA58900-6 Inst : GCWW
Misc : OP46107,Gww3334,730,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 25 15:42 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Mon Oct 25 15:41:48 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.19	14.69	1062.6E6	458.0E6	483.214	487.302
Spiked Amount	500.000		Recovery	=	96.64%	97.46%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95335.D HWW3143.M Mon Oct 25 15:42:18 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95335.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95335.D\ECD2B.CH
Acq On : 22 Oct 2010 3:41 am Operator: toyar
Sample : JA58900-6 Inst : GCWW
Misc : OP46107,Gww3334,730,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 25 15:42 2010 Quant Results File: HWW3143.RES

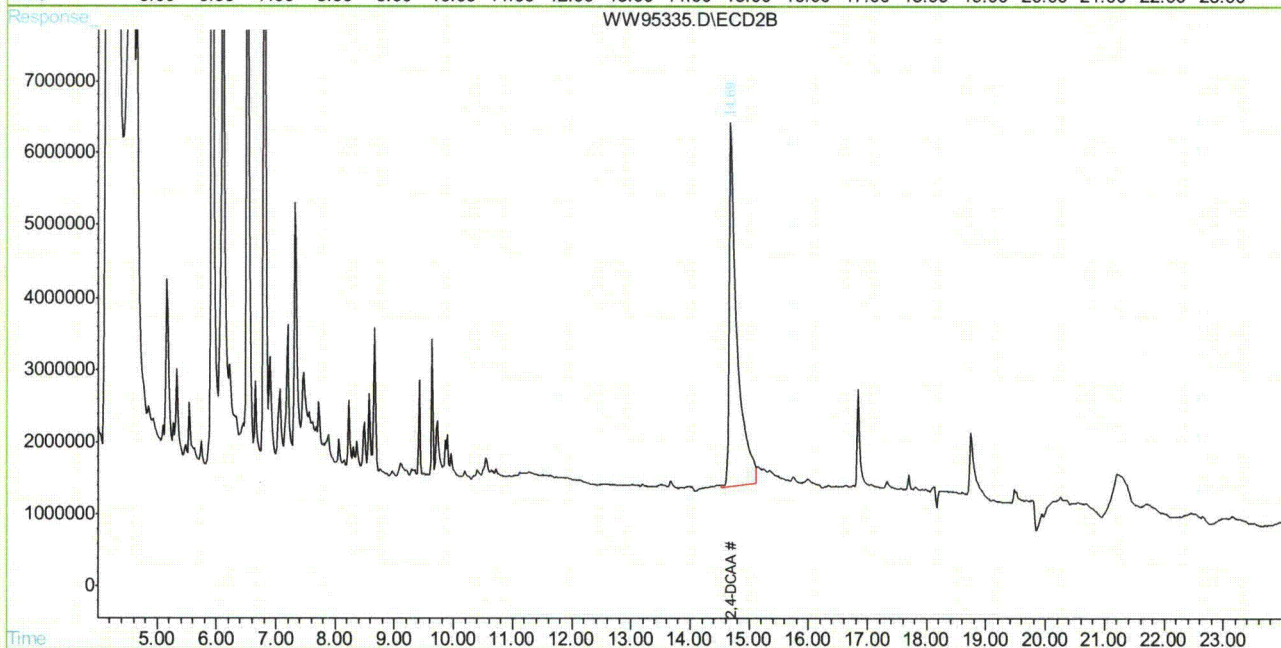
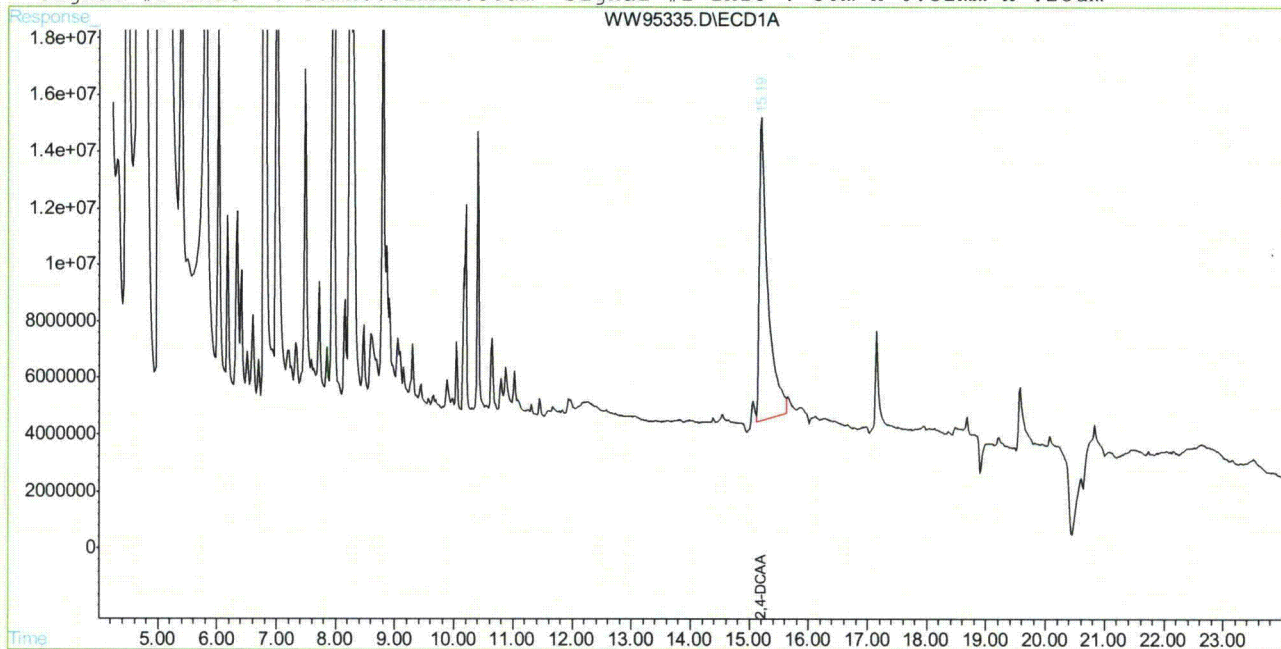
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Mon Oct 25 15:41:48 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase : RTXCLPII

Signal #1 Info : 30m x 0.32mm x .50um Signal #2 Info : 30m x 0.32mm x .25um



WW95335.D HWW3143.M

Mon Oct 25 15:42:19 2010

GCDD

Page 2

**Jessica Reitan-Chu
11/04/10 18:01**

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD2B.CH
Acq On : 28 Oct 2010 9:36 pm Operator: toyar
Sample : ja58900-7 Inst : GCWW
Misc : OP46377,Gww3340,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:24 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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	15.17f	14.67f	836.3E6	453.8E6	380.306m	482.788m#
Spiked Amount	500.000		Recovery	=	76.06%	96.56%

Target Compounds

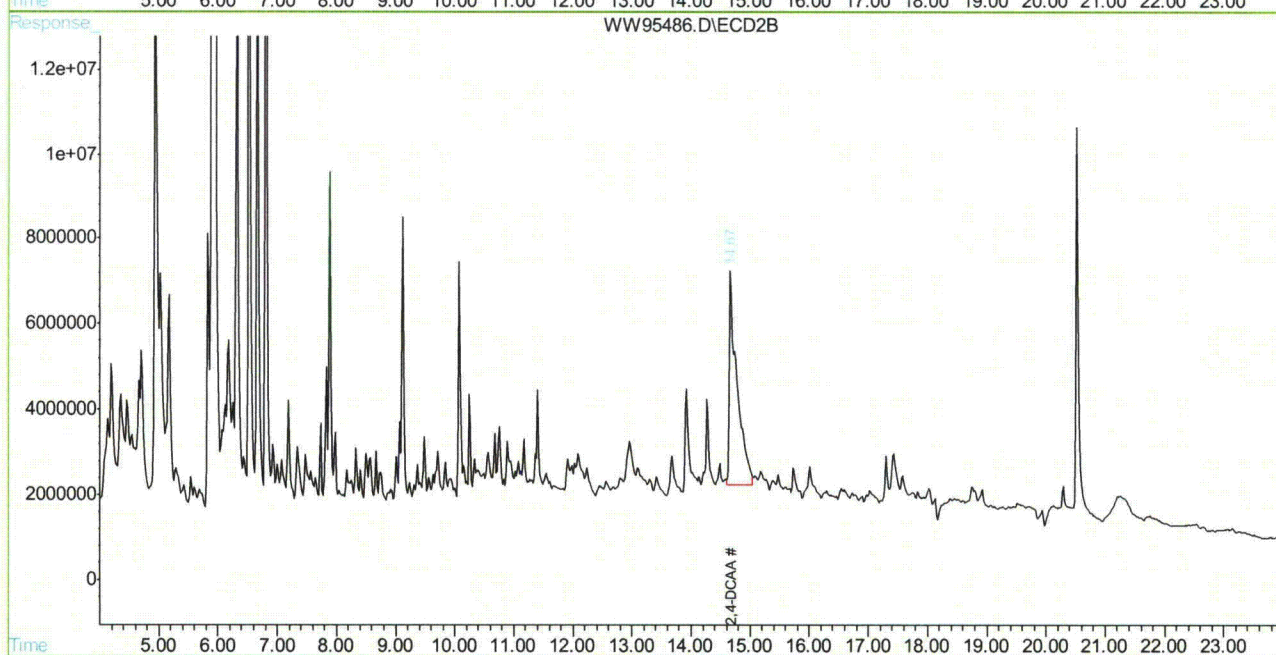
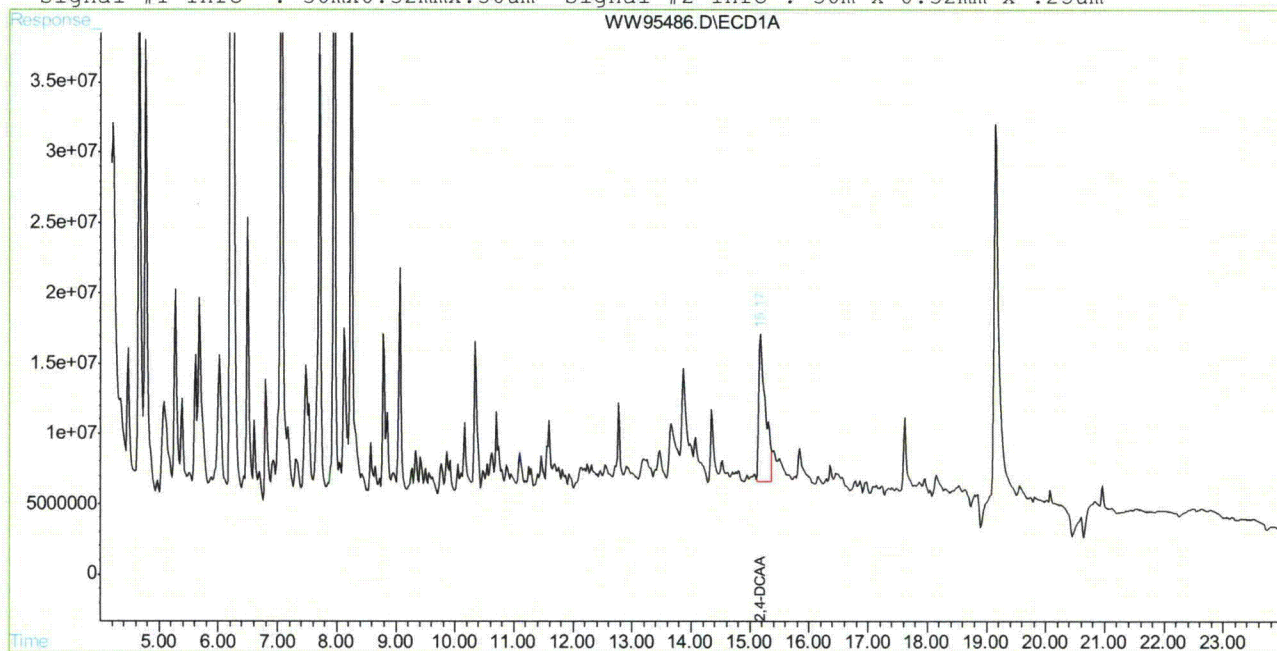
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95486.D HWW3143.M Fri Oct 29 11:24:15 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD2B.CH
Acq On : 28 Oct 2010 9:36 pm Operator: toyar
Sample : ja58900-7 Inst : GCWW
Misc : OP46377,Gww3340,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:24 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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



WW95486.D HWW3143.M Fri Oct 29 11:24:15 2010 GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-7 **Method:** SW846 8151
Lab FileID: WW95486.D **Analyst approved:** 11/04/10 17:59 Jessica Reitan-Chu
Injection Time: 10/28/10 21:36 **Supervisor approved:** 11/04/10 18:01 Jessica Reitan-Chu

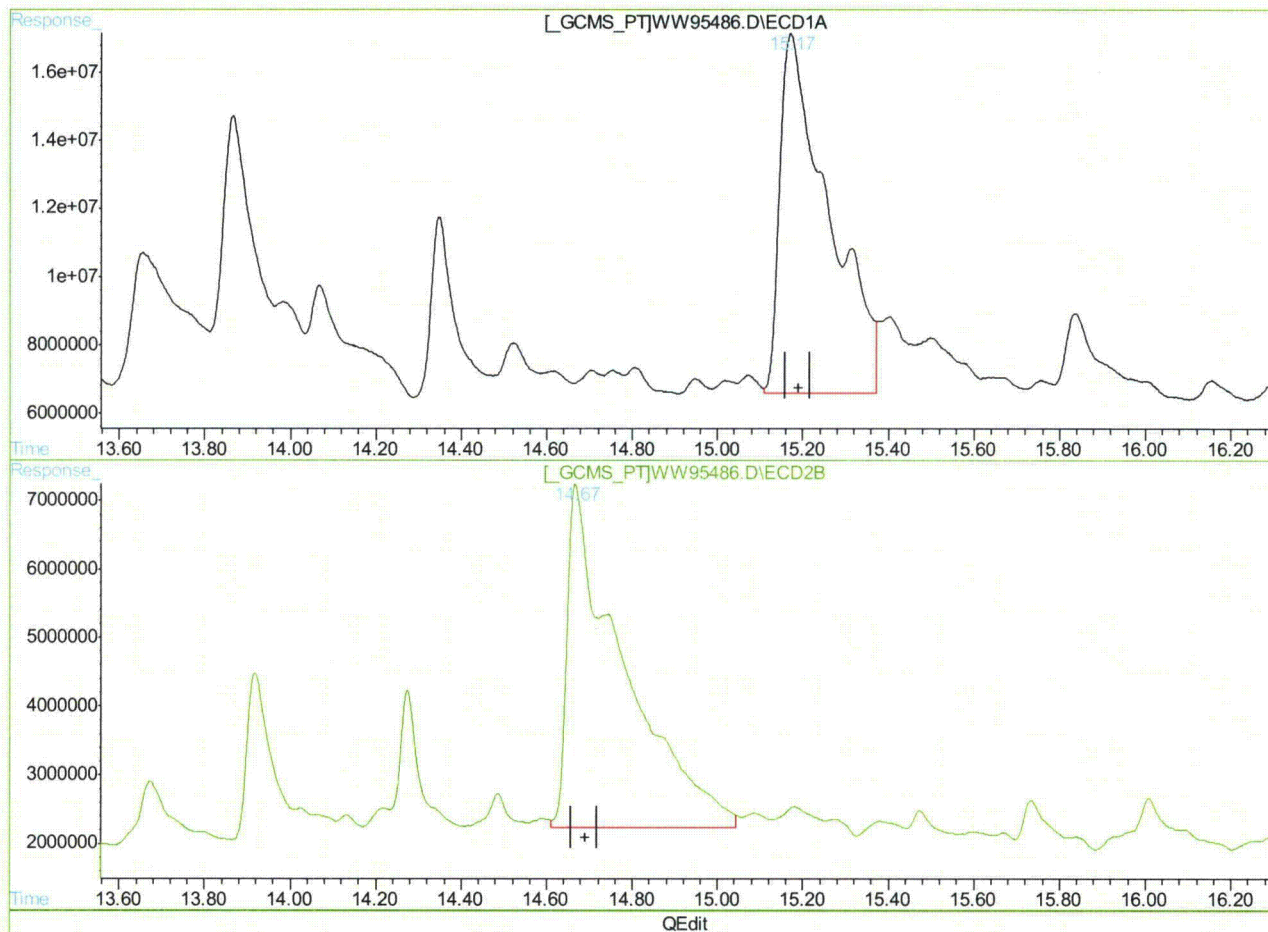
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.67	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.17	Poorly defined baseline

10.1.11.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95486.D\ECD2B.CH
Acq On : 28 Oct 2010 9:36 pm Operator: toyar
Sample : ja58900-7 Inst : GCWW
Misc : OP46377,Gww3340,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:23 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 380.306PPB m

response 836297953

(2) 2,4-DCAA #2 (S)

14.67min 482.788PPB m

response 453784597

(+) = Expected Retention Time

WW95486.D HWW3143.M

Fri Oct 29 11:23:59 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95612.D\ECD1A.CH Vial: 39
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95612.D\ECD2B.CH
 Acq On : 4 Nov 2010 2:48 am Operator: toyar
 Sample : ja58900-7cf Inst : GCWW
 Misc : OP46441,Gww3346,35.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 15:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 15:32:46 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.15	14.65	1004.6E6	405.1E6	456.840	430.987
Spiked Amount	500.000		Recovery	=	91.37%	86.20%

Target Compounds

10.1.12 10

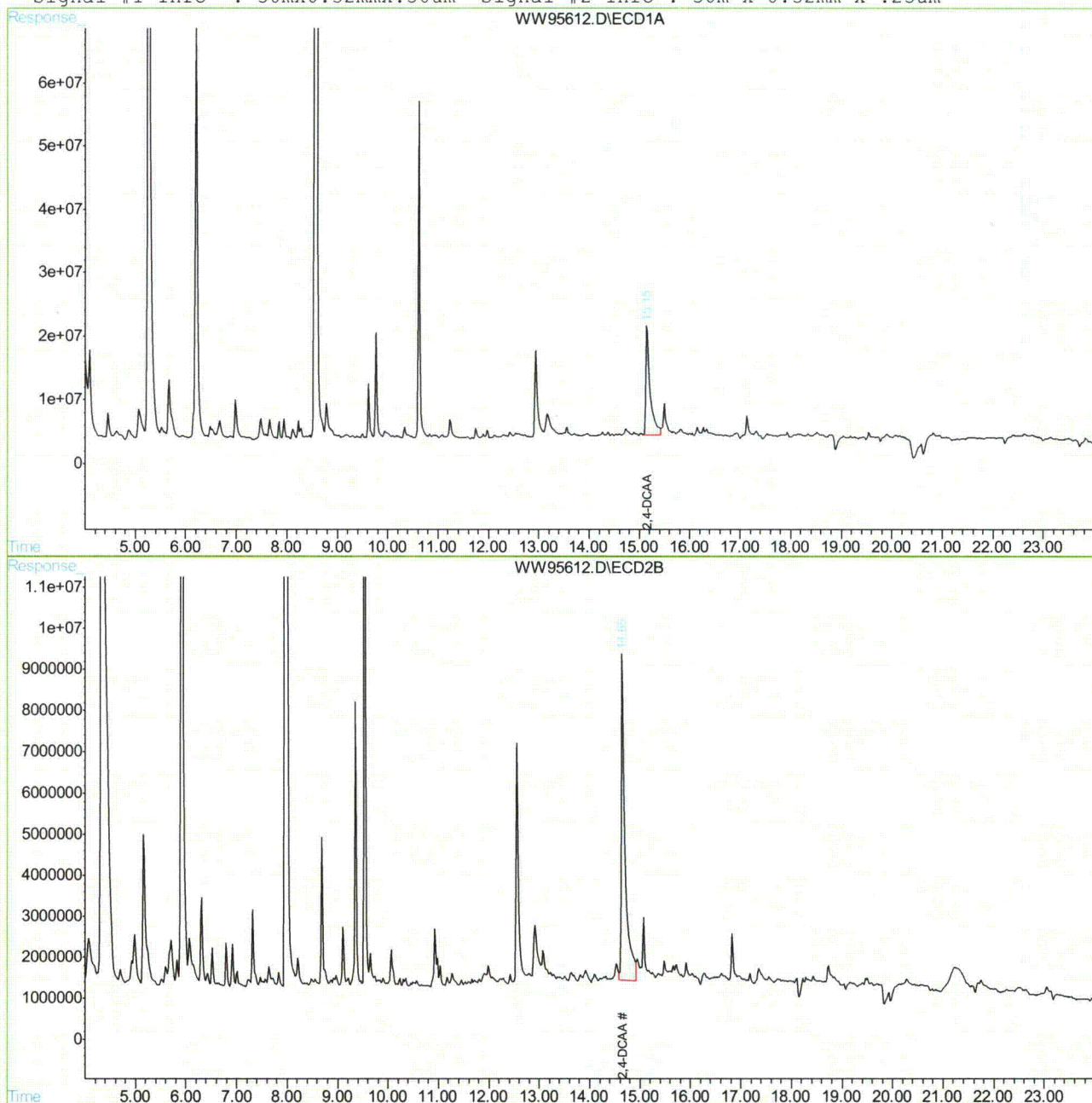
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95612.D HWW3143.M Thu Nov 04 15:41:01 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95612.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95612.D\ECD2B.CH
Acq On : 4 Nov 2010 2:48 am Operator: toyar
Sample : ja58900-7cf Inst : GCWW
Misc : OP46441,Gww3346,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:40 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95612.D HWW3143.M

Thu Nov 04 15:41:02 2010

GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD2B.CH
Acq On : 28 Oct 2010 9:56 pm Operator: toyar
Sample : ja58900-8 Inst : GCWW
Misc : OP46377,Gww3340,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:25 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17f	14.67f	826.2E6	178.0E6	375.706m	189.367 #
Spiked Amount	500.000		Recovery	=	75.14%	37.87%

Target Compounds

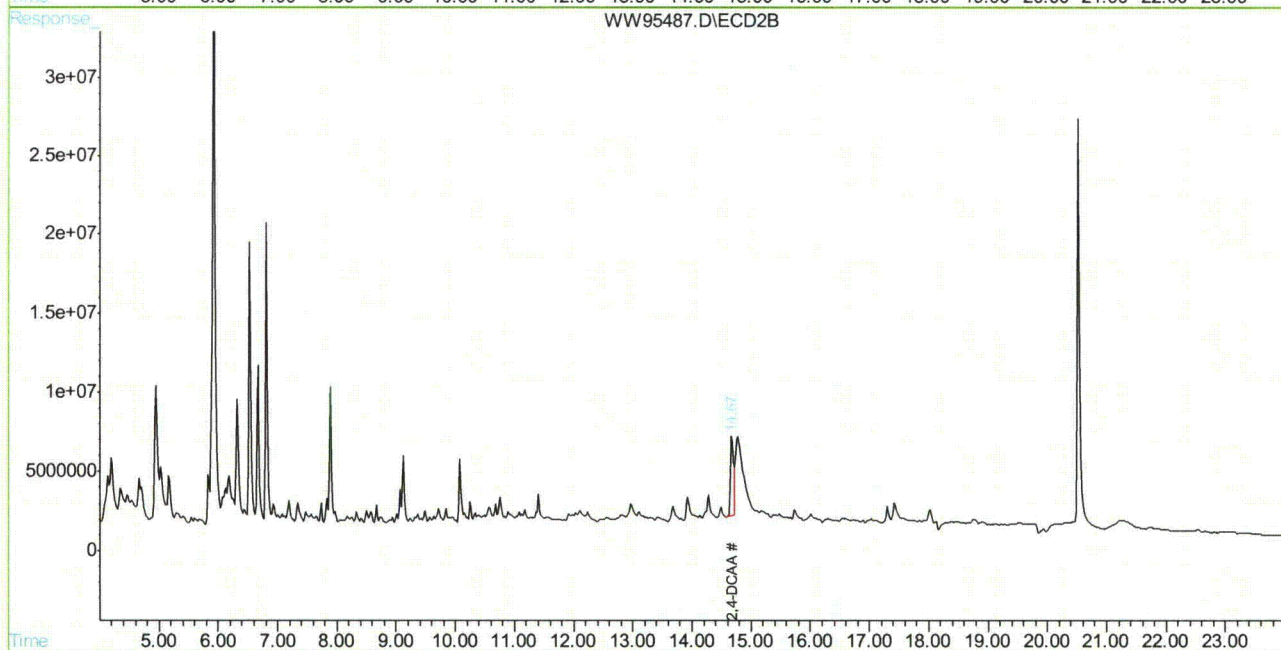
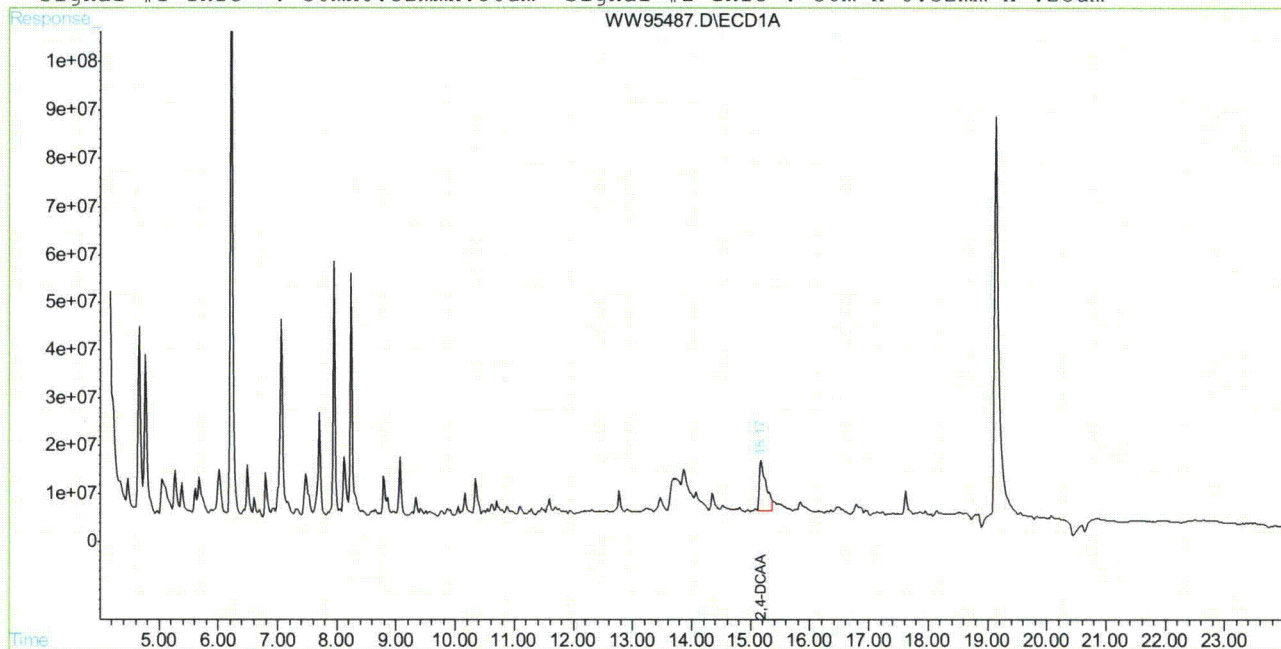
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95487.D HWW3143.M Fri Oct 29 11:25:55 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD2B.CH
Acq On : 28 Oct 2010 9:56 pm Operator: toyar
Sample : ja58900-8 Inst : GCWW
Misc : OP46377,Gww3340,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:25 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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



WW95487.D HWW3143.M

Fri Oct 29 11:25:55 2010

GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-8 **Method:** SW846 8151
Lab FileID: WW95487.D **Analyst approved:** 11/04/10 17:59 Jessica Reitan-Chu
Injection Time: 10/28/10 21:56 **Supervisor approved:** 11/04/10 18:02 Jessica Reitan-Chu

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	1	15.17	Poorly defined baseline

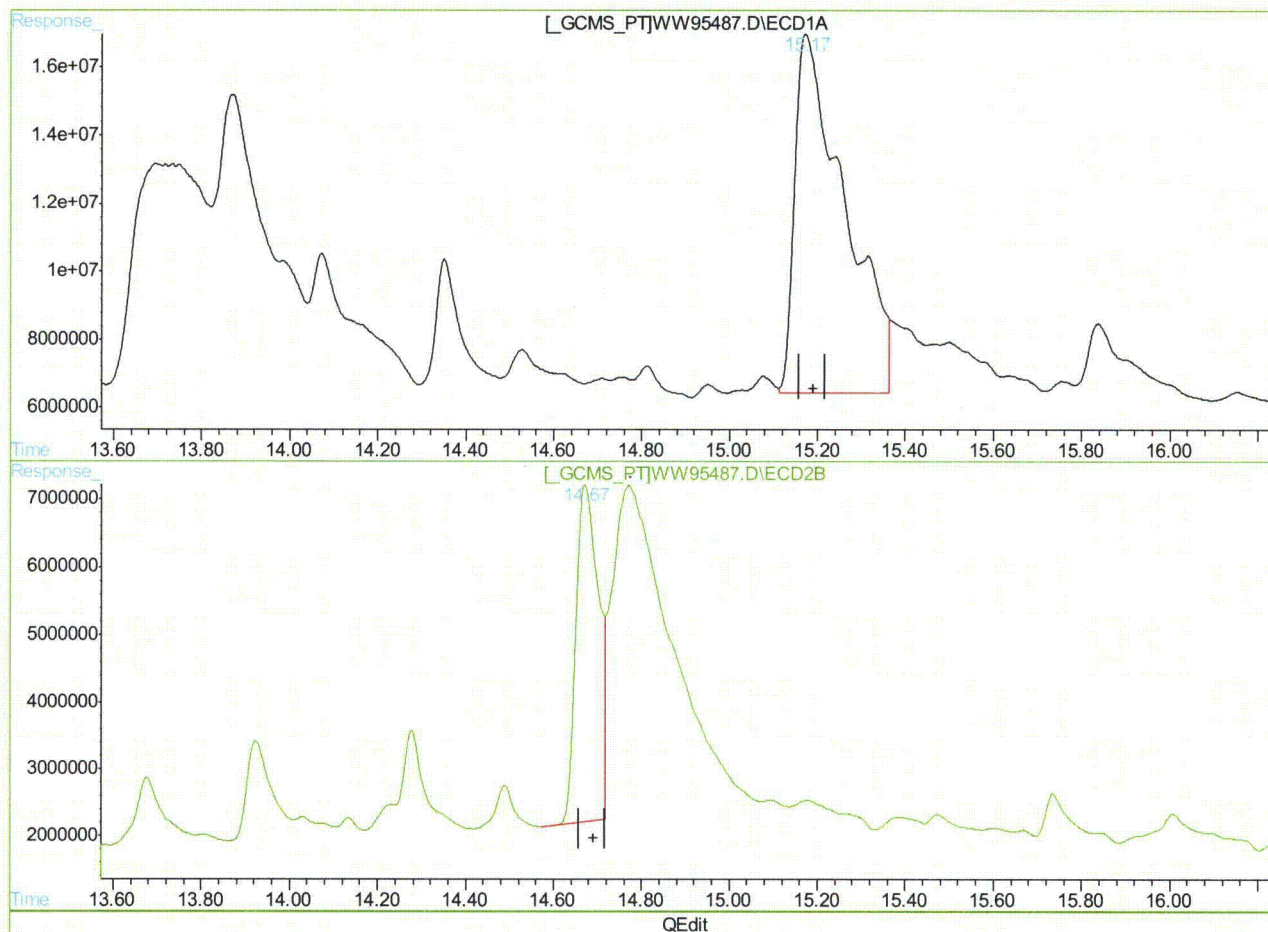
10.1.13.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95487.D\ECD2B.CH
Acq On : 28 Oct 2010 9:56 pm Operator: toyar
Sample : ja58900-8 Inst : GCWW
Misc : OP46377,Gww3340,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:24 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 375.706PPB m

response 826182127

(2) 2,4-DCAA #2 (S)

14.67min 189.367PPB

response 177991023

(+) = Expected Retention Time

WW95487.D HWW3143.M

Fri Oct 29 11:25:42 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95613.D\ECD1A.CH Vial: 40
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95613.D\ECD2B.CH
 Acq On : 4 Nov 2010 3:20 am Operator: toyar
 Sample : ja58900-8cf Inst : GCWW
 Misc : OP46441,Gww3346,35.2,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 15:41 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 15:32:46 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.67	969.8E6	383.9E6	441.000	408.410
Spiked Amount	500.000		Recovery	=	88.20%	81.68%

Target Compounds

10.1.14

10

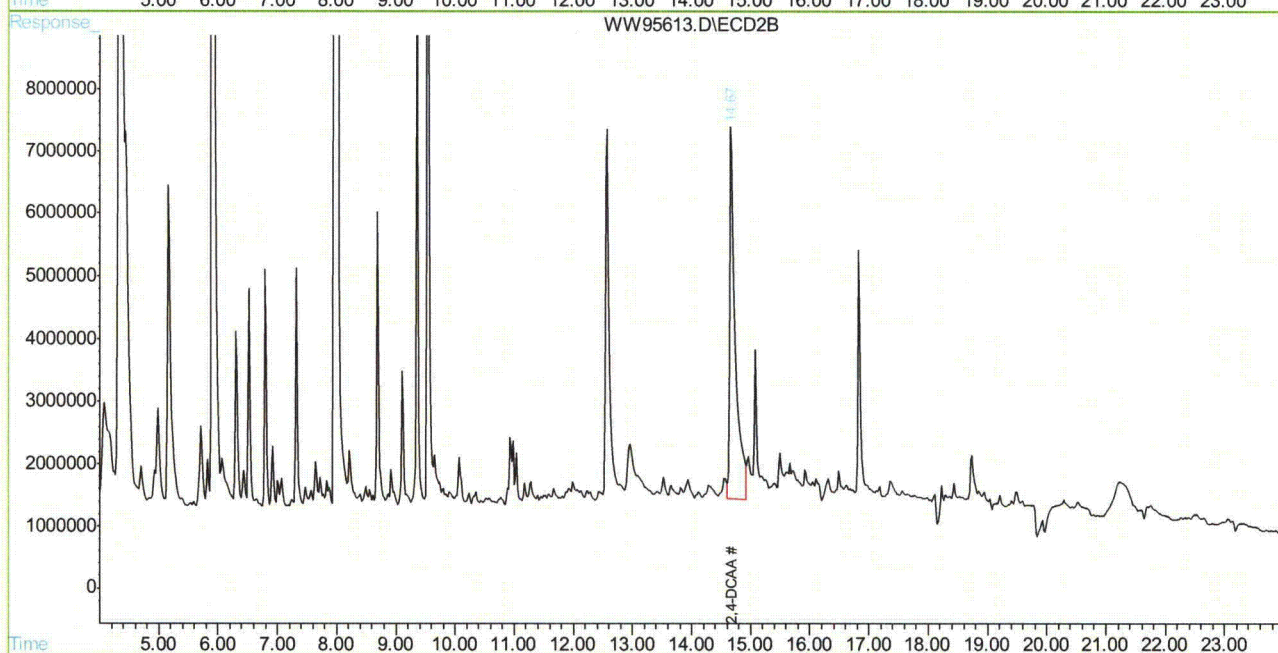
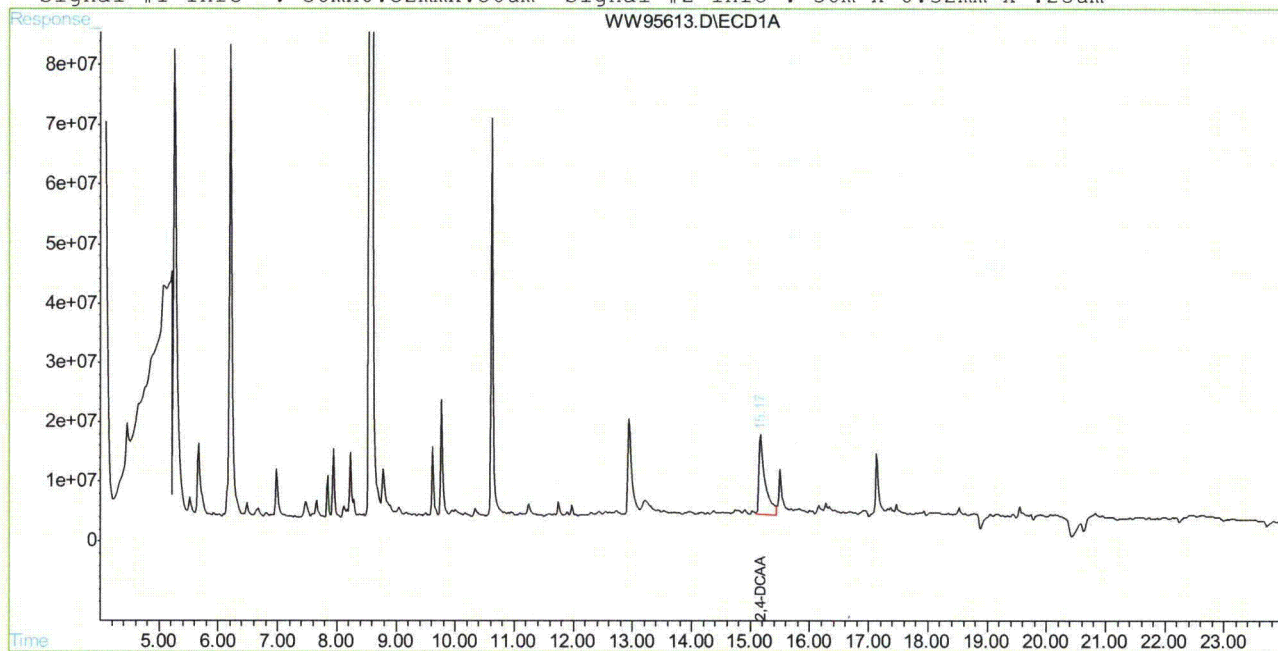
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95613.D HWW3143.M Thu Nov 04 15:41:31 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95613.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95613.D\ECD2B.CH
Acq On : 4 Nov 2010 3:20 am Operator: toyar
Sample : ja58900-8cf Inst : GCWW
Misc : OP46441,Gww3346,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:41 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95613.D HWW3143.M Thu Nov 04 15:41:31 2010 GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95488.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95488.D\ECD2B.CH
Acq On : 28 Oct 2010 10:28 pm Operator: toyar
Sample : ja58900-9 Inst : GCWW
Misc : OP46377,Gww3340,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:32 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 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
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System Monitoring Compounds
2) S 2,4-DCAA 15.19 14.68 285.0E6 102.5E6 129.614 109.104
Spiked Amount 500.000 Recovery = 25.92% 21.82%

Target Compounds

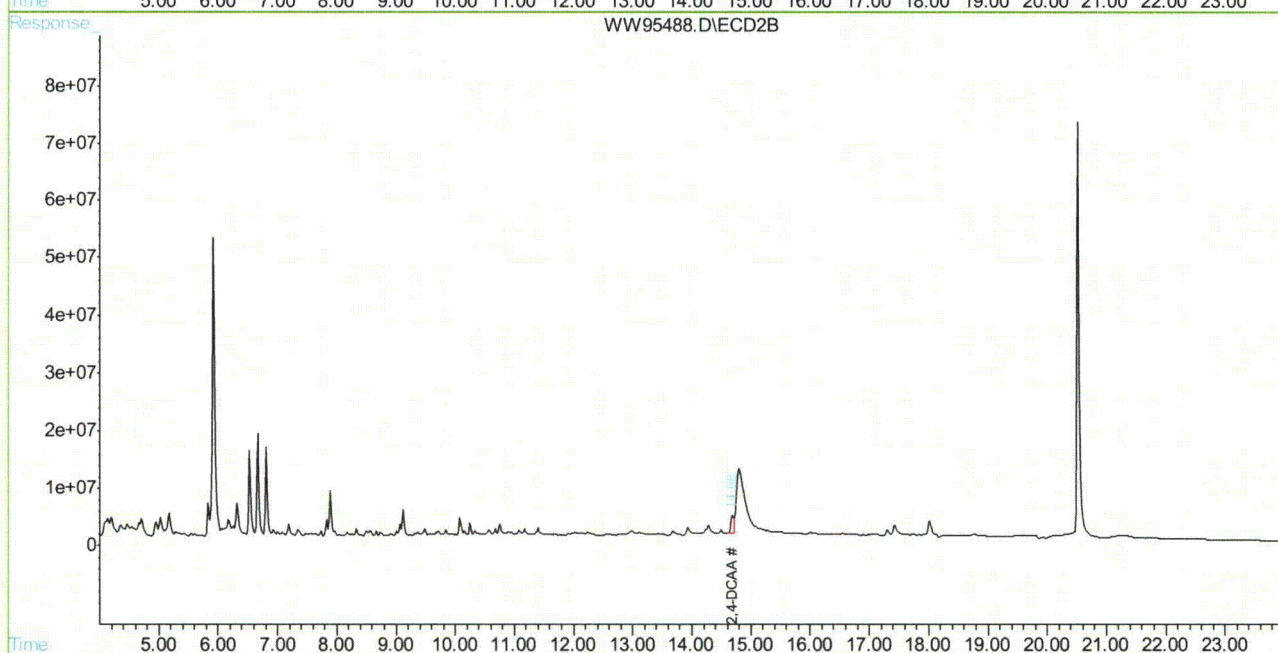
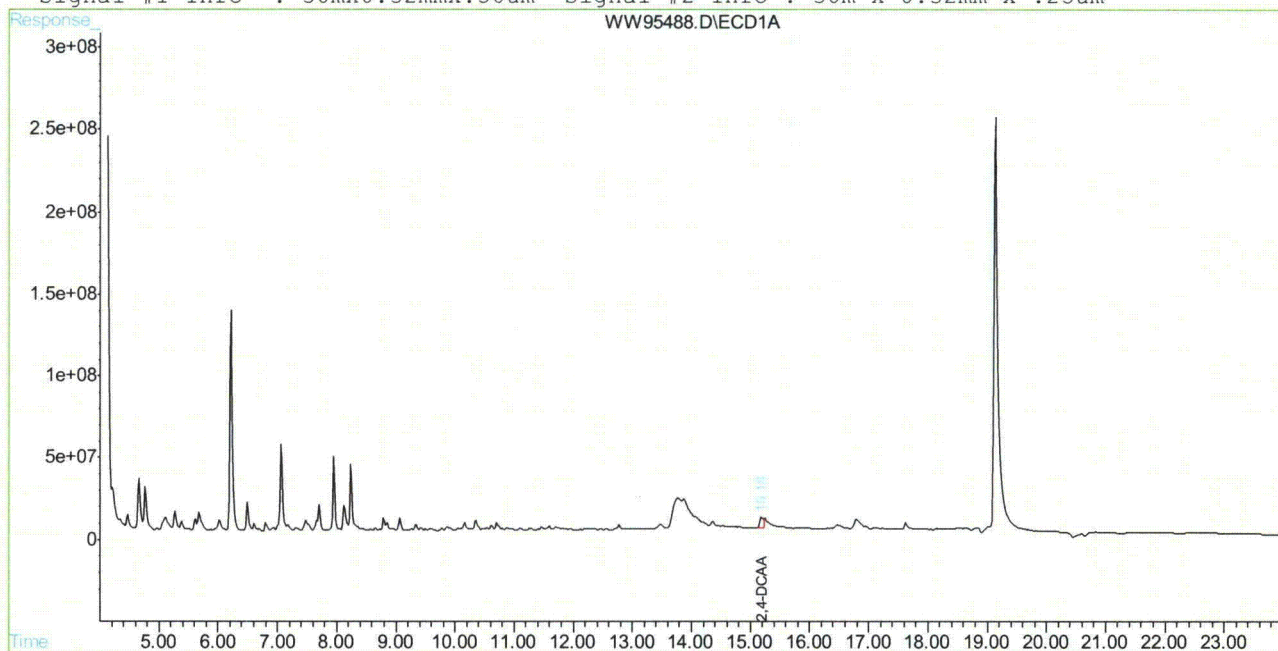
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95488.D HWW3143.M Fri Oct 29 11:32:39 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3340\WW95488.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\GWW3340\WW95488.D\ECD2B.CH
Acq On : 28 Oct 2010 10:28 pm Operator: toyar
Sample : ja58900-9 Inst : GCWW
Misc : OP46377,Gww3340,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 11:32 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Oct 29 11:21:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95488.D HWW3143.M Fri Oct 29 11:32:39 2010 GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95614.D\ECD1A.CH Vial: 41
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95614.D\ECD2B.CH
 Acq On : 4 Nov 2010 3:51 am Operator: toyar
 Sample : ja58900-9cf Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 15:41 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 15:32:46 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.68	991.9E6	444.9E6	451.058	473.331
Spiked Amount	500.000		Recovery	=	90.21%	94.67%

Target Compounds

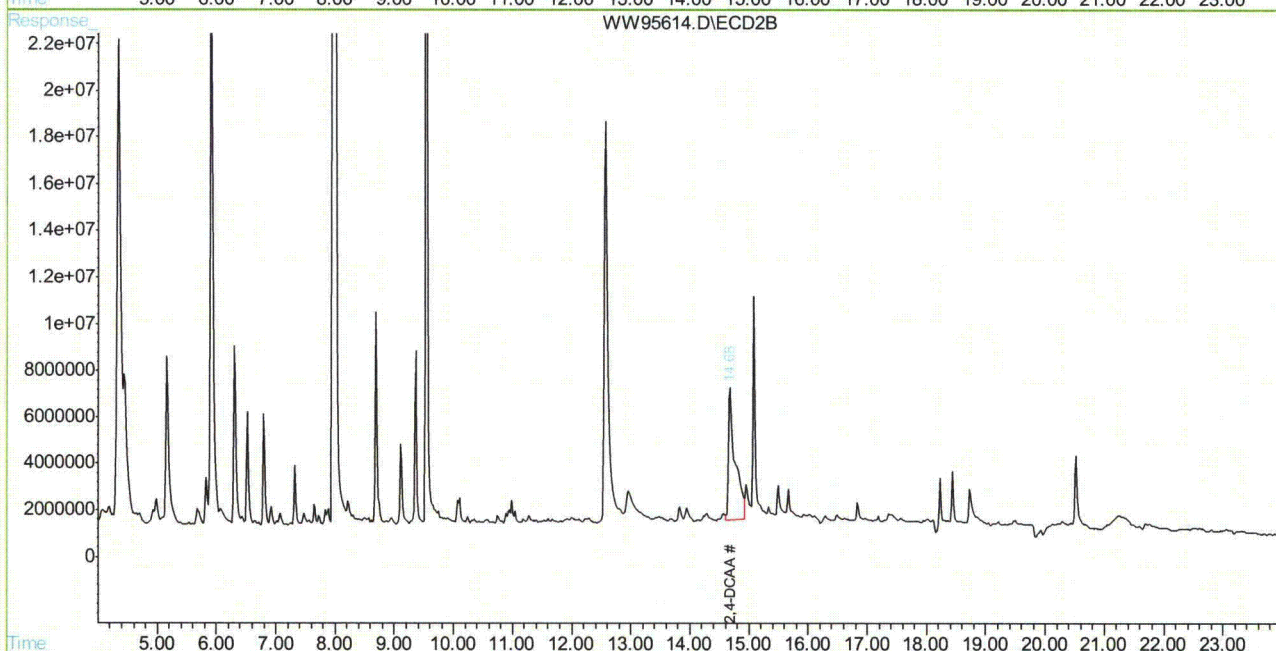
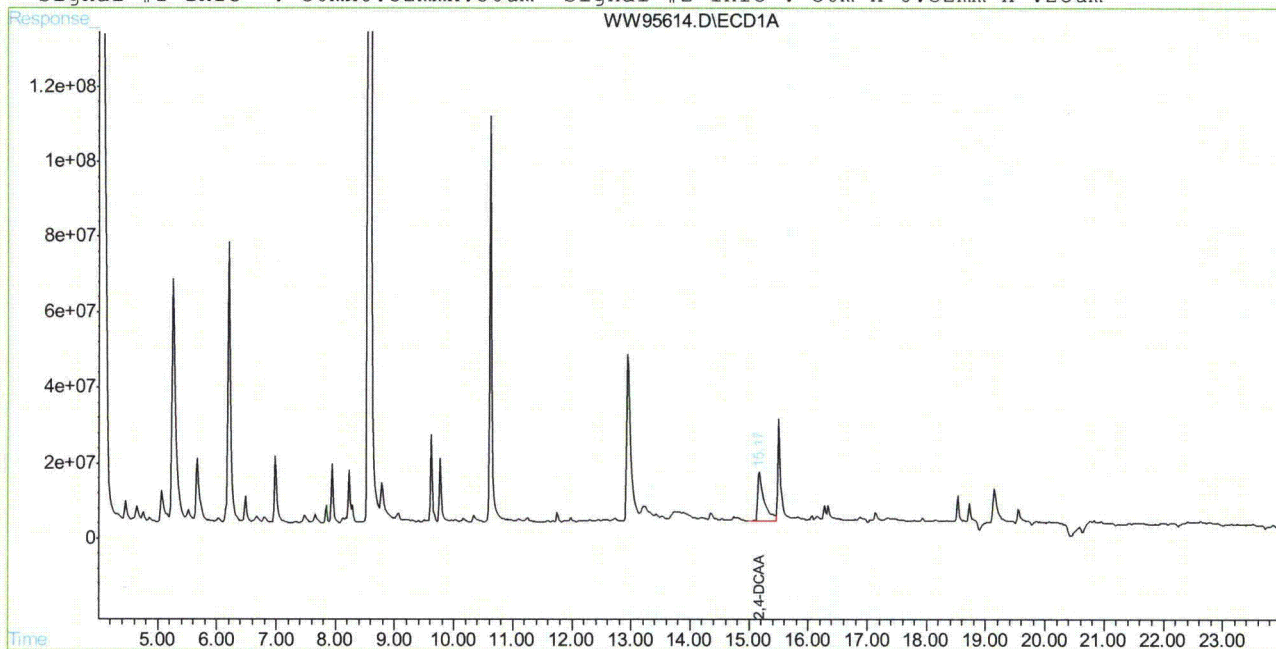
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95614.D HWW3143.M Thu Nov 04 15:42:00 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95614.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95614.D\ECD2B.CH
Acq On : 4 Nov 2010 3:51 am Operator: toyar
Sample : ja58900-9cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:41 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:32:46 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95614.D HWW3143.M Thu Nov 04 15:42:00 2010 GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD2B.CH
Acq On : 3 Nov 2010 1:31 pm Operator: toyar
Sample : JA58900-10 Inst : GCWW
Misc : OP46377,Gww3344,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 14:04 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.14f	14.65f	648.1E6	263.5E6	294.717m	280.354m
Spiked Amount	500.000		Recovery	=	58.94%	56.07%

Target Compounds

10.1.17
10

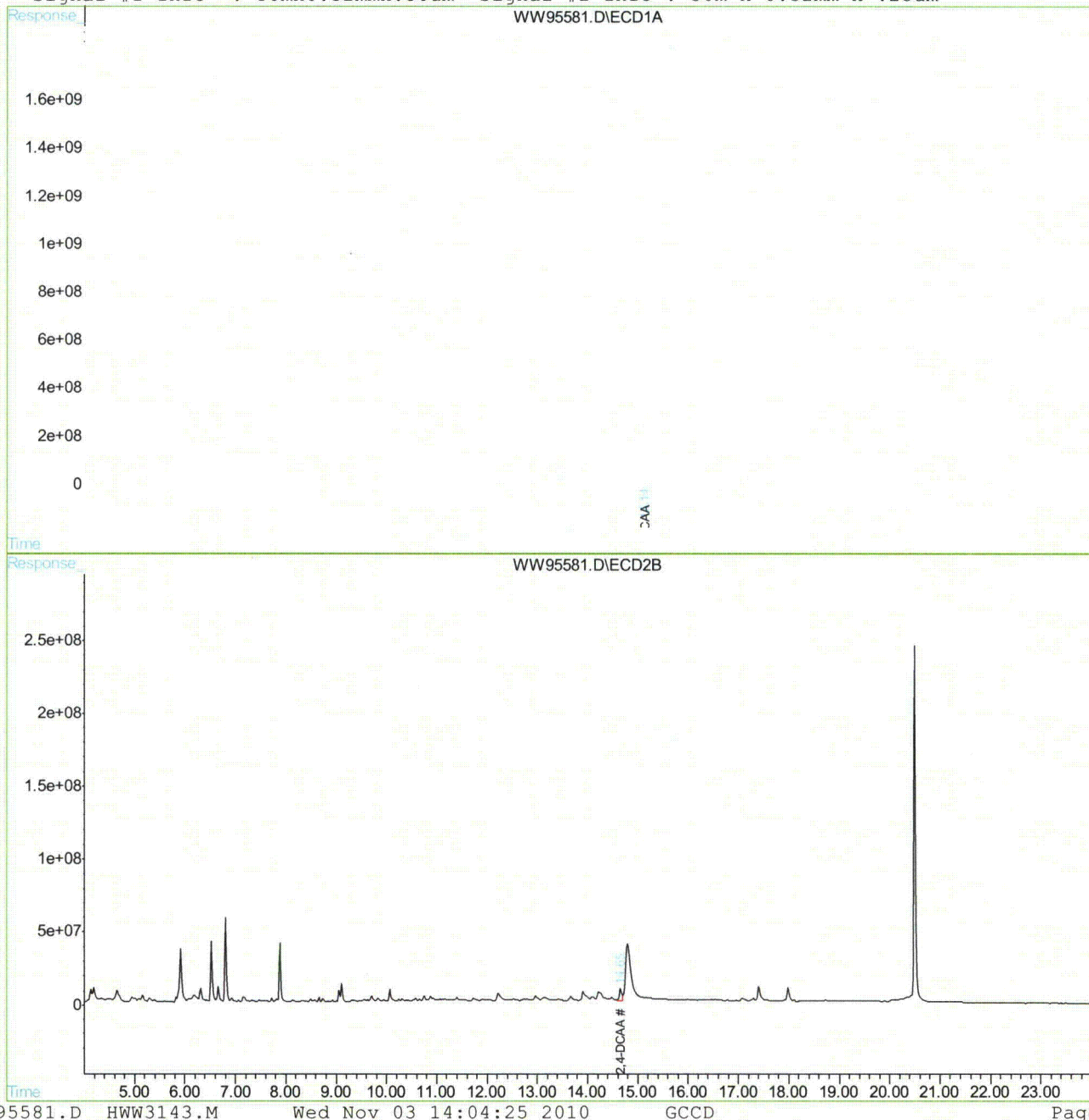
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95581.D HWW3143.M Wed Nov 03 14:04:25 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD2B.CH
Acq On : 3 Nov 2010 1:31 pm Operator: toyar
Sample : JA58900-10 Inst : GCWW
Misc : OP46377,Gww3344,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 14:04 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



10.117 10

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-10 **Method:** SW846 8151
Lab FileID: WW95581.D **Analyst approved:** 11/04/10 17:59 Jessica Reitan-Chu
Injection Time: 11/03/10 13:31 **Supervisor approved:** 11/04/10 18:28 Jessica Reitan-Chu

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.65	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.14	Poorly defined baseline

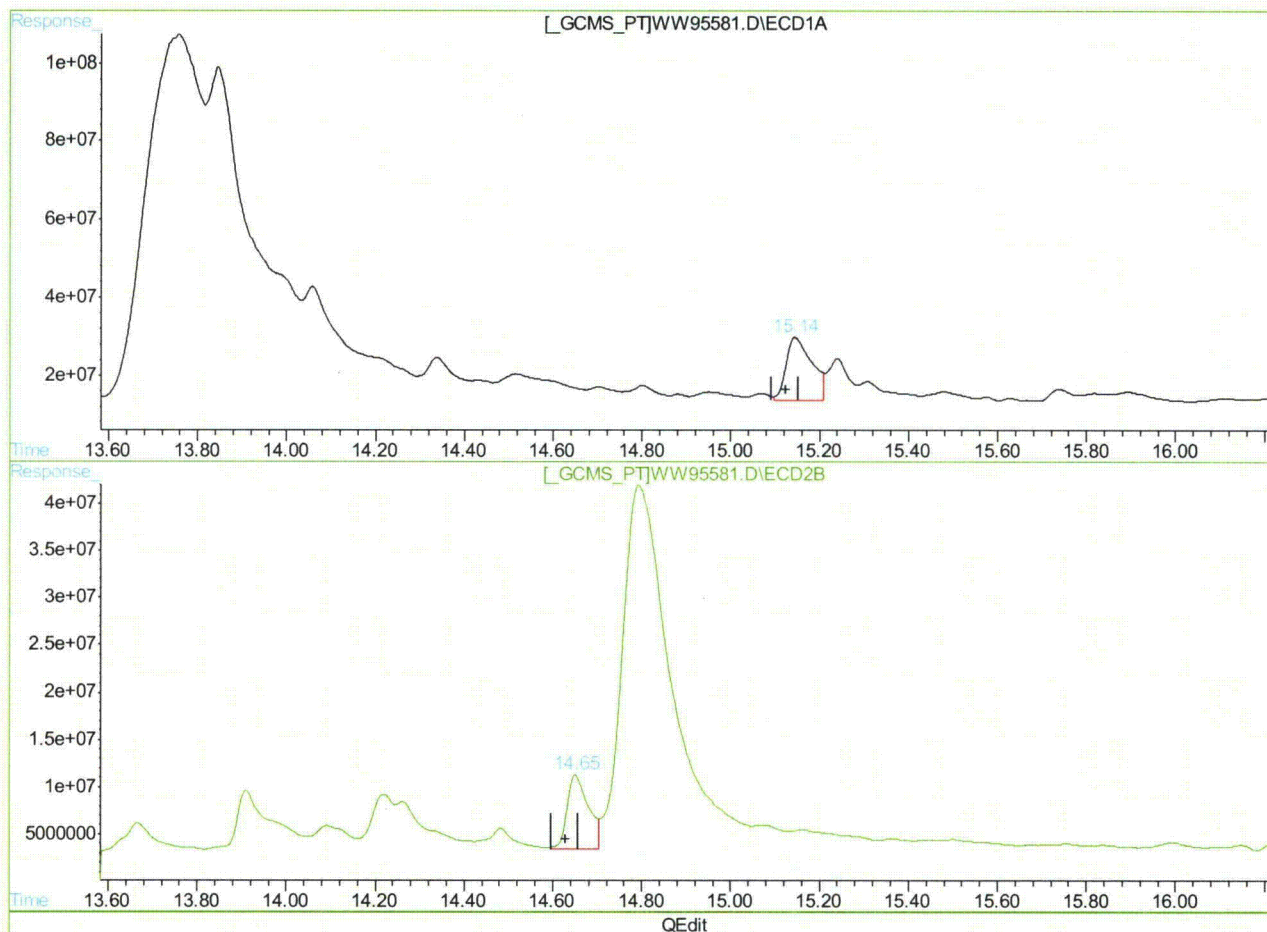
10.1.17.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95581.D\ECD2B.CH
Acq On : 3 Nov 2010 1:31 pm Operator: toyar
Sample : JA58900-10 Inst : GCWW
Misc : OP46377,Gww3344,35.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 13:48 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Wed Nov 03 13:52:53 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.14min 294.717PPB m

response 648087148

(2) 2,4-DCAA #2 (S)

14.65min 280.354PPB m

response 263511638

(+) = Expected Retention Time

WW95581.D HWW3143.M

Wed Nov 03 14:04:18 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD1A.CH Vial: 55
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD2B.CH
 Acq On : 4 Nov 2010 12:08 pm Operator: toyar
 Sample : ja58900-10cf Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 18:11 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 18:09:11 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.67	993.1E6	235.4E6	451.617	250.469m#
Spiked Amount	500.000		Recovery	=	90.32%	50.09%

Target Compounds

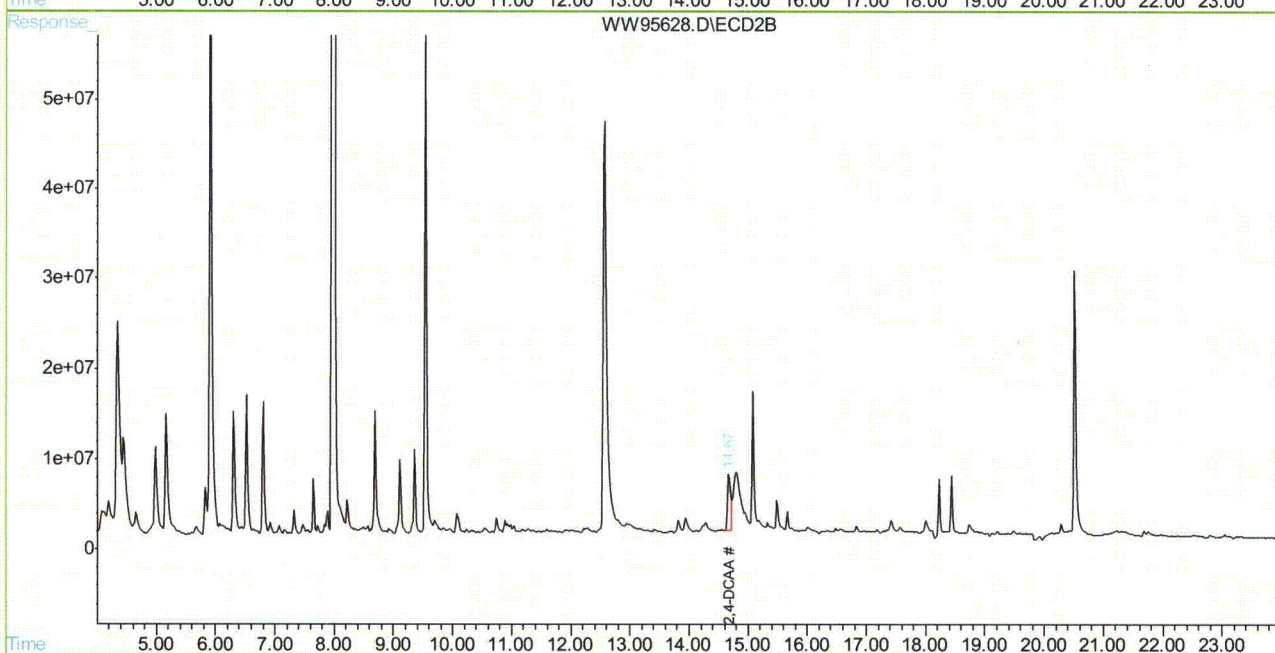
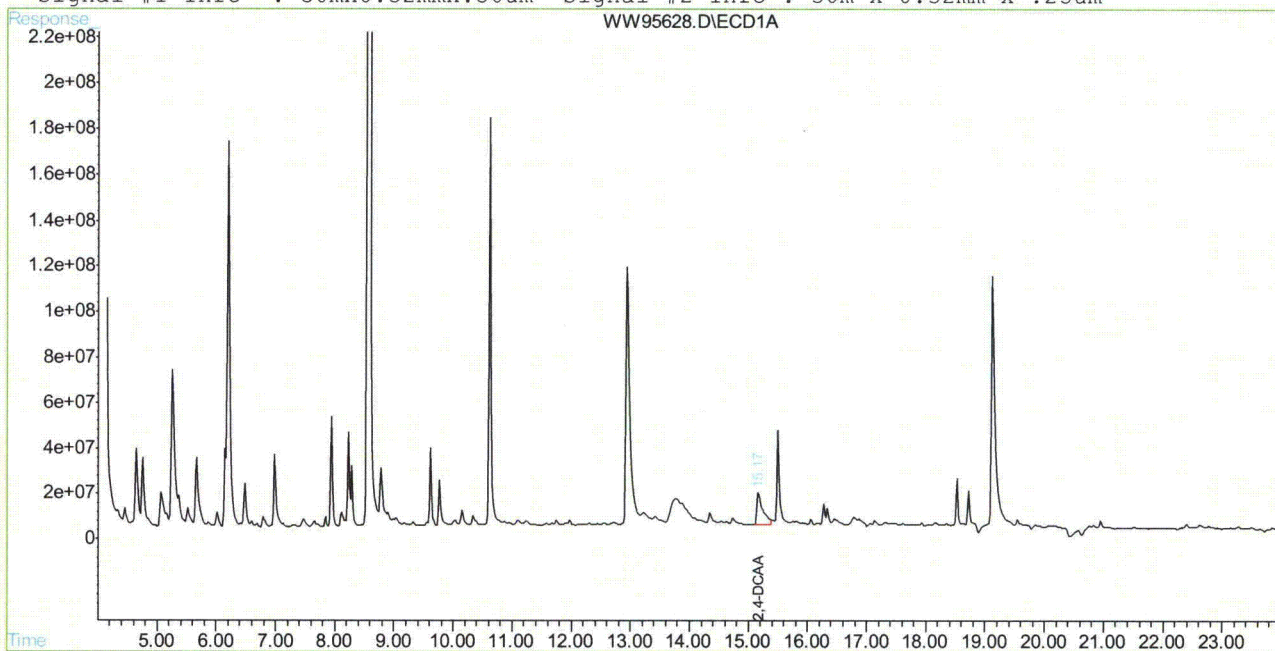
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95628.D HWW3143.M Fri Nov 05 10:14:33 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD2B.CH
Acq On : 4 Nov 2010 12:08 pm Operator: toyar
Sample : ja58900-10cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 18:11 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 18:09:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95628.D HWW3143.M Fri Nov 05 10:14:33 2010 GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-10 **Method:** SW846 8151
Lab FileID: WW95628.D **Analyst approved:** 11/05/10 10:12 Toya Dagena Raffington
Injection Time: 11/04/10 12:08 **Supervisor approved:** 11/05/10 10:37 Cheng-Hwan Ao

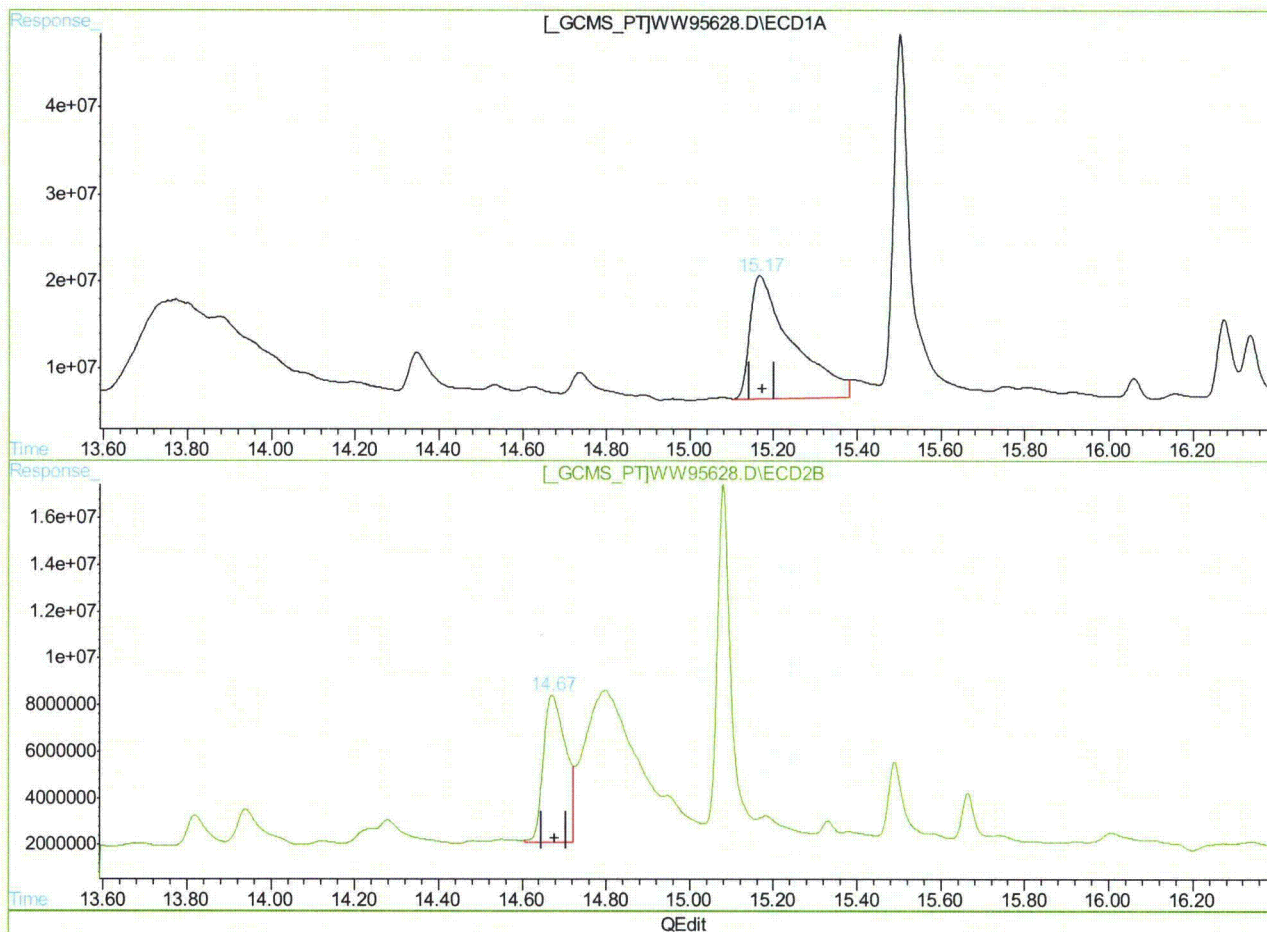
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.67	Poorly defined baseline

10.1.18.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95628.D\ECD2B.CH
Acq On : 4 Nov 2010 12:08 pm Operator: toyar
Sample : ja58900-10 Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 18:10 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 18:09:11 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 451.617PPB

response 993110741

(2) 2,4-DCAA #2 (S)

14.67min 250.469PPB m

response 235421888

(+) = Expected Retention Time

WW95628.D HWW3143.M

Thu Nov 04 18:10:48 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD2B.CH
Acq On : 3 Nov 2010 2:03 pm Operator: toyar
Sample : JA58900-11 Inst : GCWW
Misc : OP46377,Gww3344,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 14:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.15f	14.66f	581.6E6	244.3E6	264.487m	259.916m
Spiked Amount	500.000		Recovery	=	52.90%	51.98%

Target Compounds

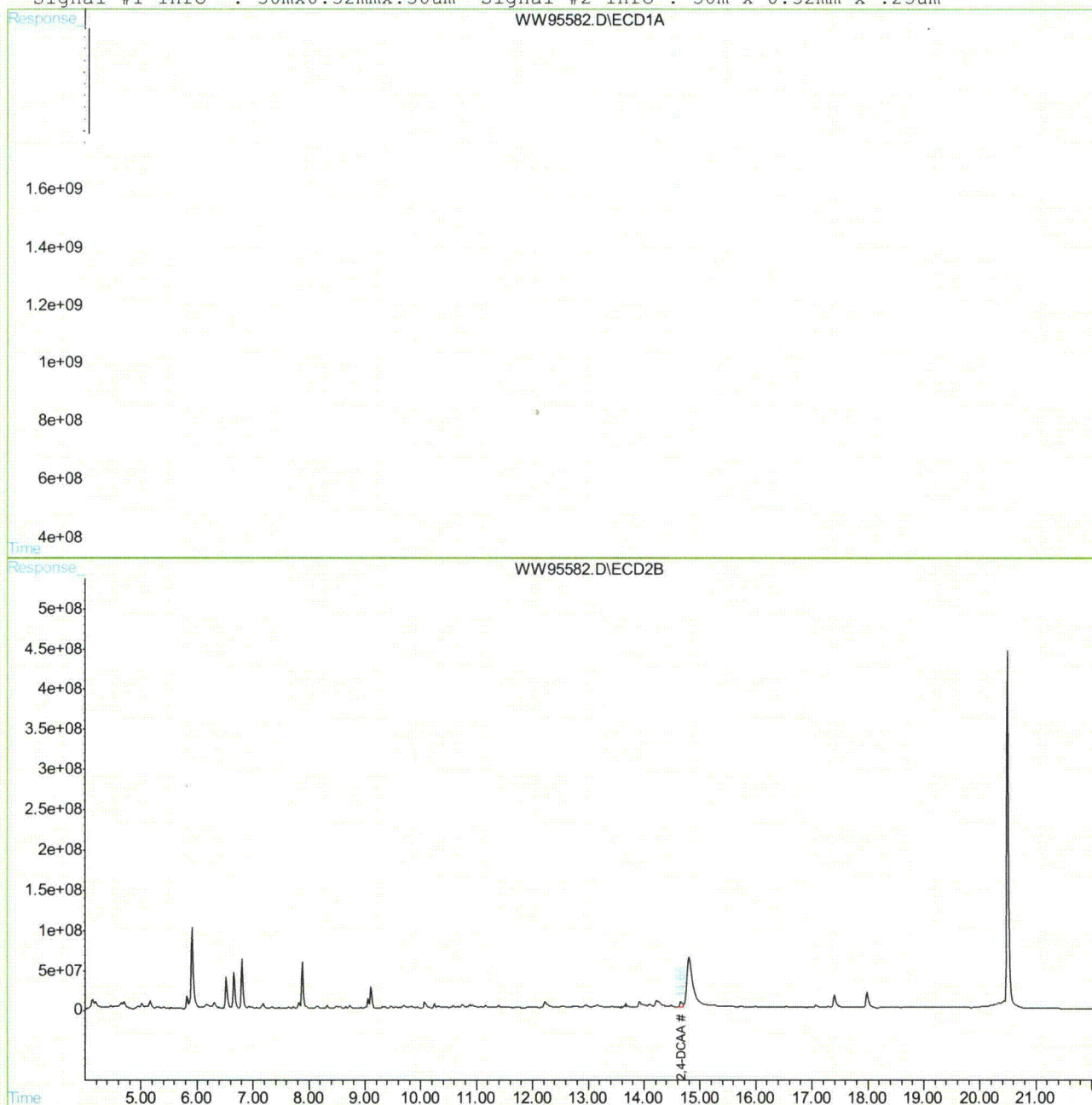
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95582.D HWW3143.M Wed Nov 03 14:17:09 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD2B.CH
Acq On : 3 Nov 2010 2:03 pm Operator: toyar
Sample : JA58900-11 Inst : GCWW
Misc : OP46377,Gww3344,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 14:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Tue May 18 16:50:01 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95582.D HWW3143.M

Wed Nov 03 14:17:10 2010

GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-11 **Method:** SW846 8151
Lab FileID: WW95582.D **Analyst approved:** 11/04/10 17:59 Jessica Reitan-Chu
Injection Time: 11/03/10 14:03 **Supervisor approved:** 11/04/10 18:04 Jessica Reitan-Chu

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.66	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.15	Poorly defined baseline

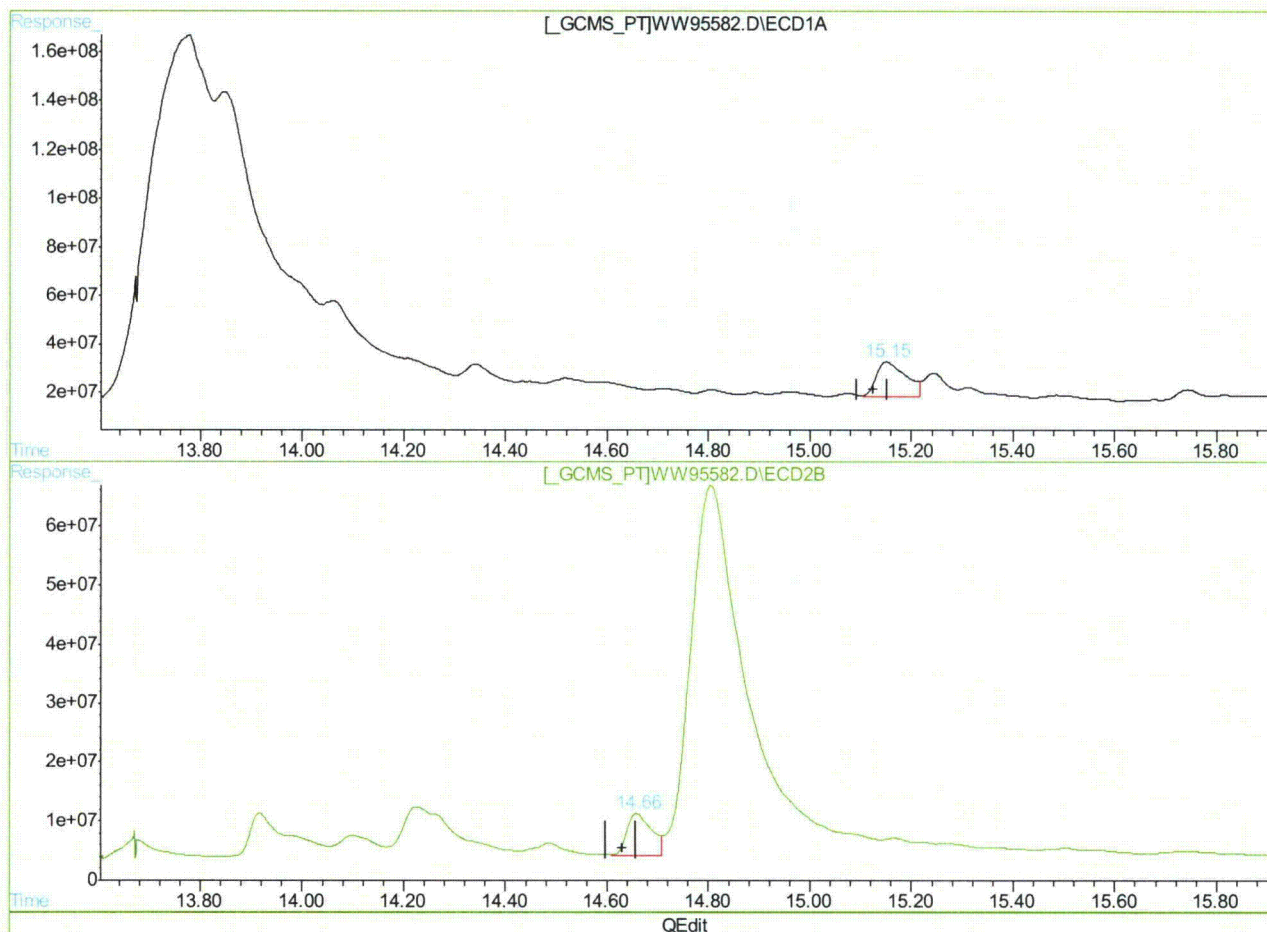
10.1.19.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\GWW3344\WW95582.D\ECD2B.CH
Acq On : 3 Nov 2010 2:03 pm Operator: toyar
Sample : JA58900-11 Inst : GCWW
Misc : OP46377,Gww3344,35.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 3 14:16 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Wed Nov 03 13:52:53 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.15min 264.487PPB m

response 581609980

(2) 2,4-DCAA #2 (S)

14.66min 259.916PPB m

response 244301556

(+) = Expected Retention Time

WW95582.D HWW3143.M

Wed Nov 03 14:16:54 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD1A.CH Vial: 49
 Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD2B.CH
 Acq On : 4 Nov 2010 8:57 am Operator: toyar
 Sample : ja58900-11cf Inst : GCWW
 Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 16:42 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
 Title : HERB
 Last Update : Thu Nov 04 16:41:47 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.67	1033.5E6	203.9E6	469.992	216.895m#
Spiked Amount	500.000		Recovery	=	94.00%	43.38%

Target Compounds

10.1.20 10

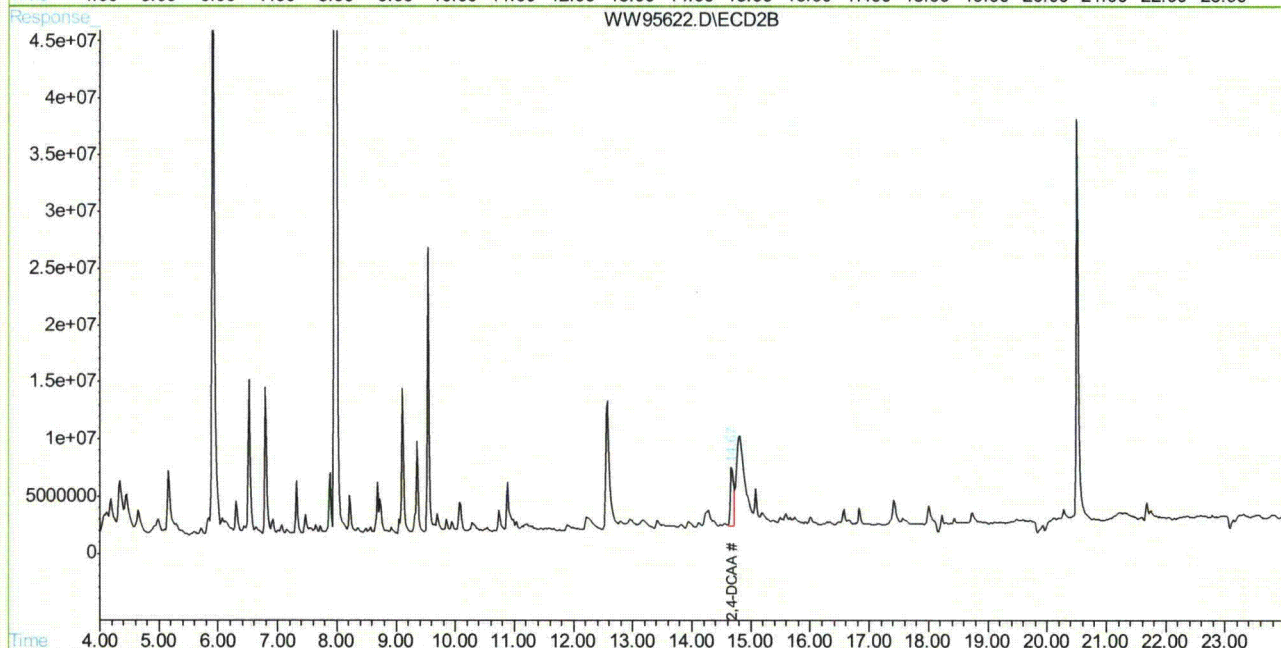
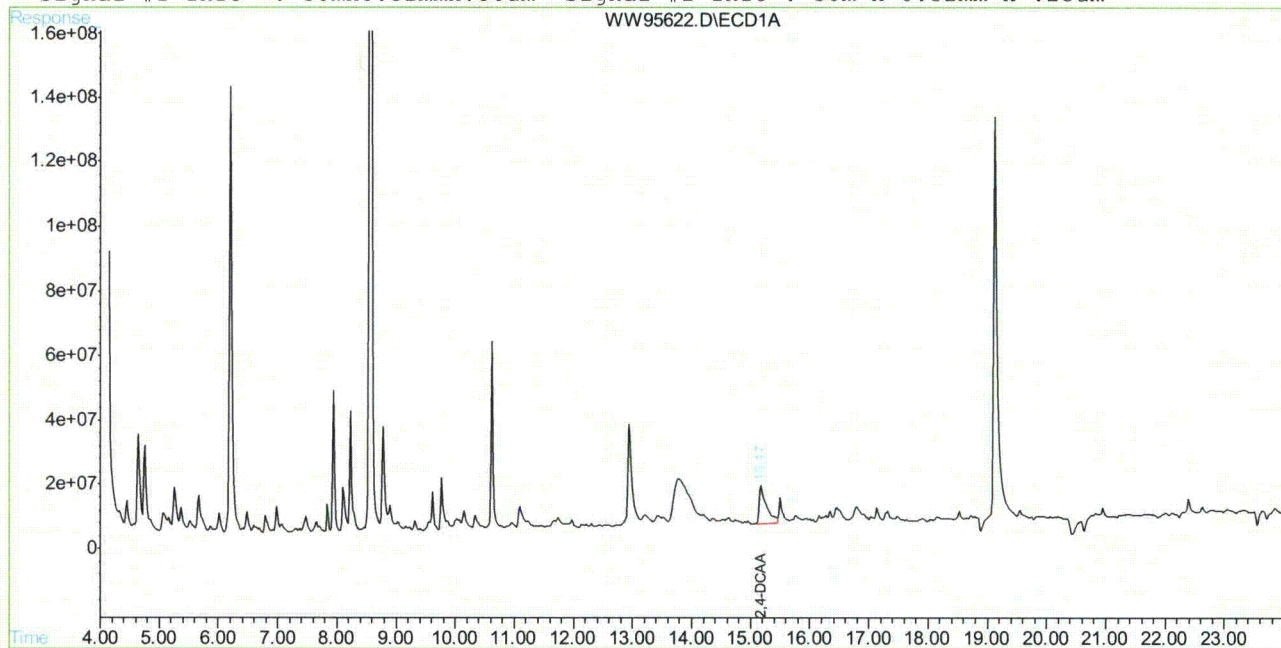
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 WW95622.D HWW3143.M Thu Nov 04 16:42:24 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD2B.CH
Acq On : 4 Nov 2010 8:57 am Operator: toyar
Sample : ja58900-11cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 16:42 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 16:41:47 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95622.D HWW3143.M

Thu Nov 04 16:42:24 2010

GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-11 **Method:** SW846 8151
Lab FileID: WW95622.D **Analyst approved:** 11/04/10 17:51 Jessica Reitan-Chu
Injection Time: 11/04/10 08:57 **Supervisor approved:** 11/04/10 18:04 Jessica Reitan-Chu

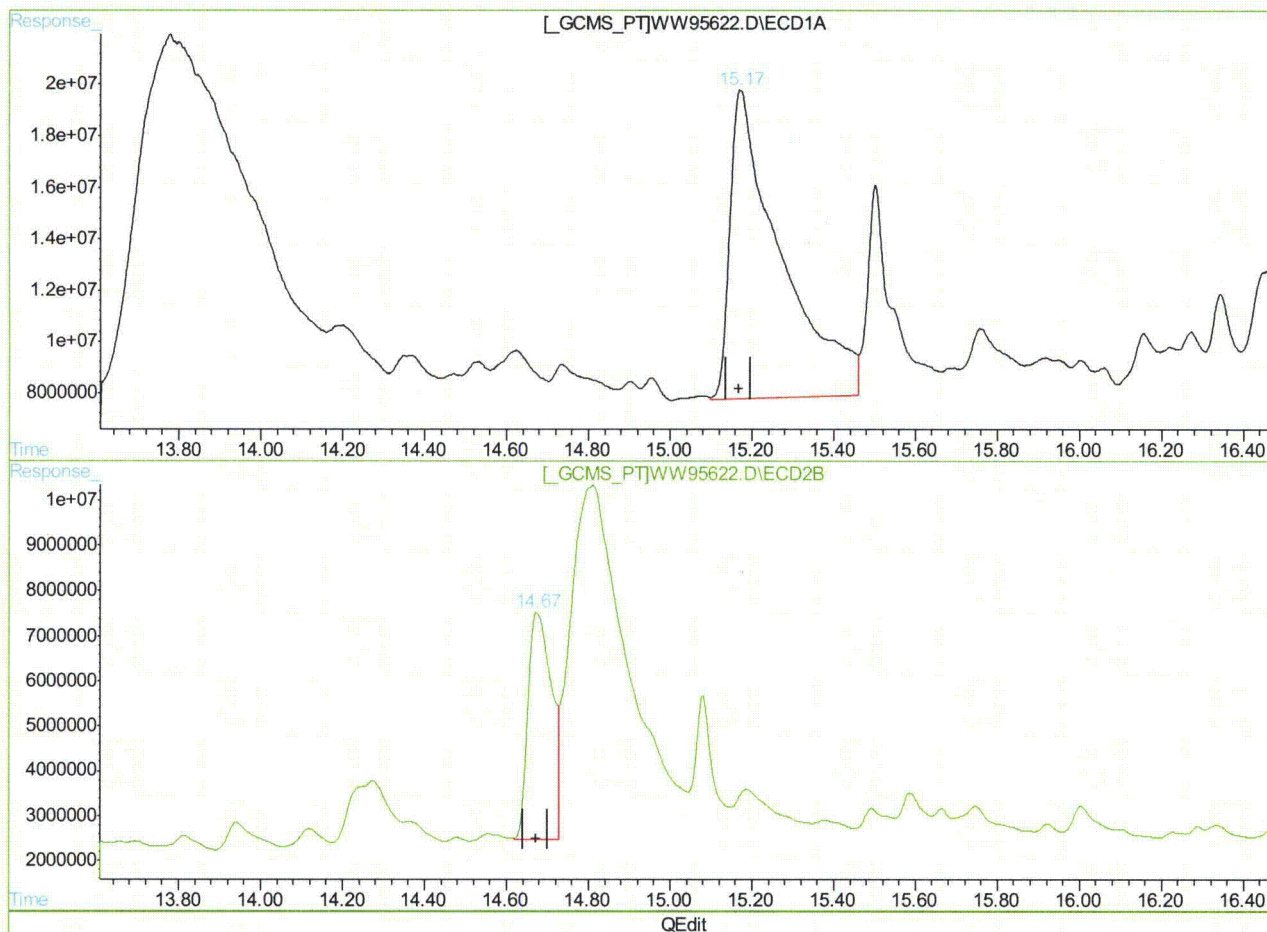
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.67	Poorly defined baseline

10.1.20.1
10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95622.D\ECD2B.CH
Acq On : 4 Nov 2010 8:57 am Operator: toyar
Sample : ja58900-11cf Inst : GCWW
Misc : OP46441,Gww3346,35.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 16:41 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 16:41:47 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 469.992PPB

response 1033518672

(2) 2,4-DCAA #2 (S)

14.67min 216.895PPB m

response 203865522

(+) = Expected Retention Time

WW95622.D HWW3143.M

Thu Nov 04 16:42:17 2010

GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95603.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95603.D\ECD2B.CH
Acq On : 3 Nov 2010 9:01 pm Operator: toyar
Sample : ja58900-12 Inst : GCWW
Misc : OP46377,Gww3346,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:03 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:03:24 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.68	907.5E6	381.7E6	412.673	406.051
Spiked Amount	500.000		Recovery	=	82.53%	81.21%

Target Compounds

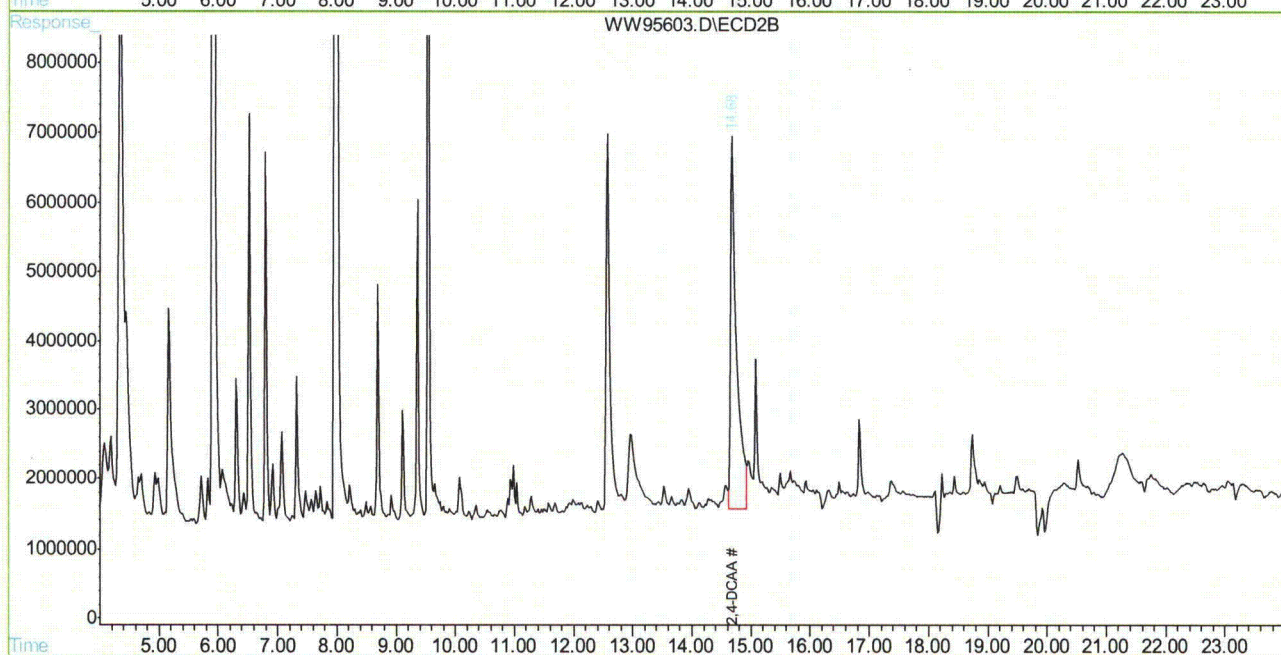
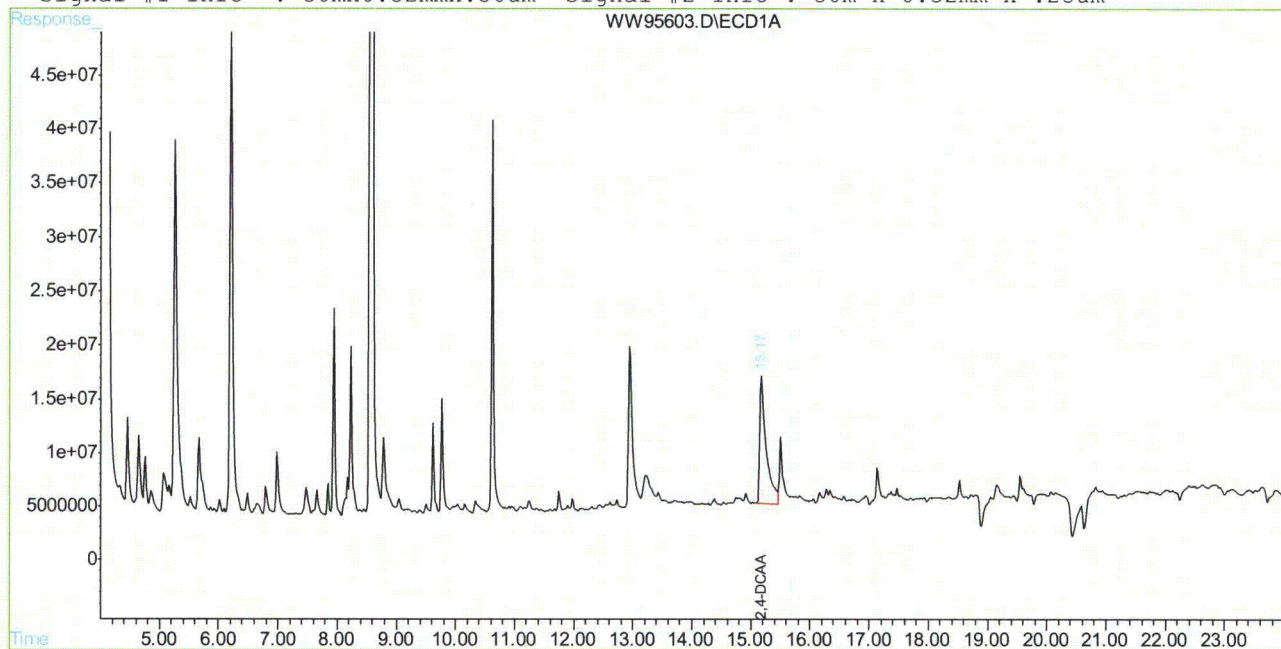
(f)=RT Delta > 1/2 Window. (#)=Amounts differ by > 25% (m)=manual int.
WW95603.D HWW3143.M Thu Nov 04 15:03:48 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95603.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95603.D\ECD2B.CH
Acq On : 3 Nov 2010 9:01 pm Operator: toyar
Sample : ja58900-12 Inst : GCWW
Misc : OP46377,Gww3346,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:03 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:03:24 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95603.D HWW3143.M Thu Nov 04 15:03:49 2010 GCCD

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95644.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95644.D\ECD2B.CH
Acq On : 4 Nov 2010 8:43 pm Operator: toyar
Sample : ja58900-12cf Inst : GCWW
Misc : OP46441,Gww3348,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 5 8:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Nov 05 08:09:41 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.18	14.68	906.7E6	182.1E6	412.343	193.719 #
Spiked Amount	500.000		Recovery	=	82.47%	38.74%

Target Compounds

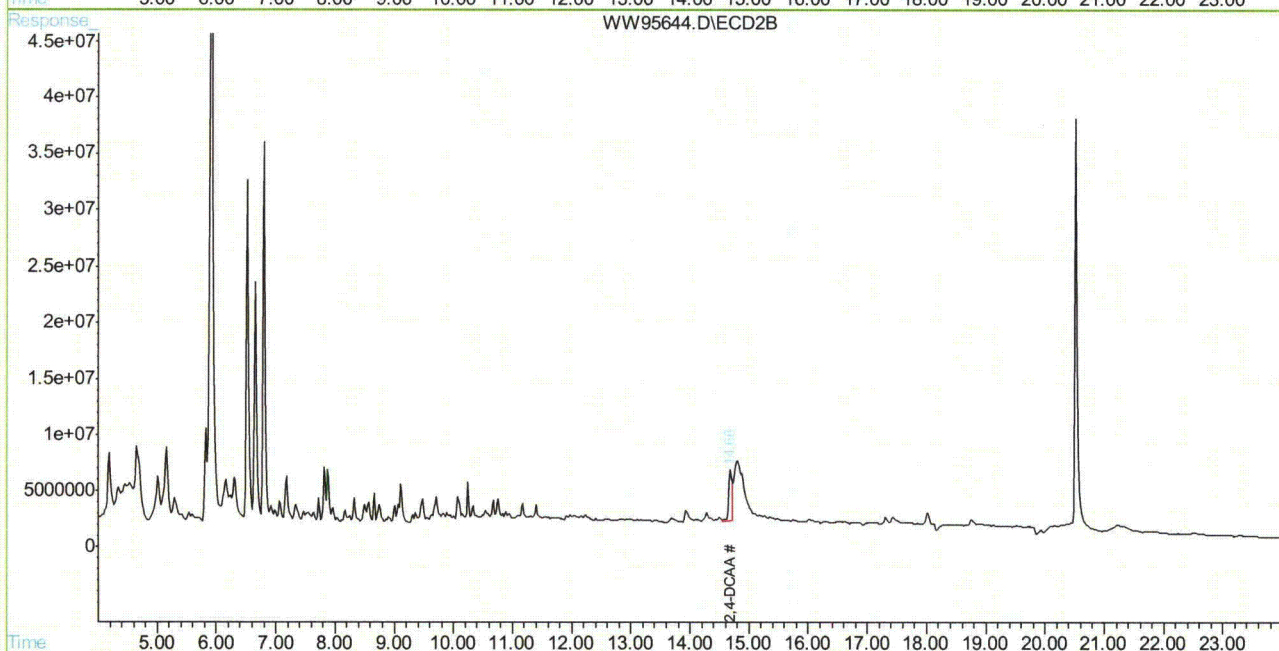
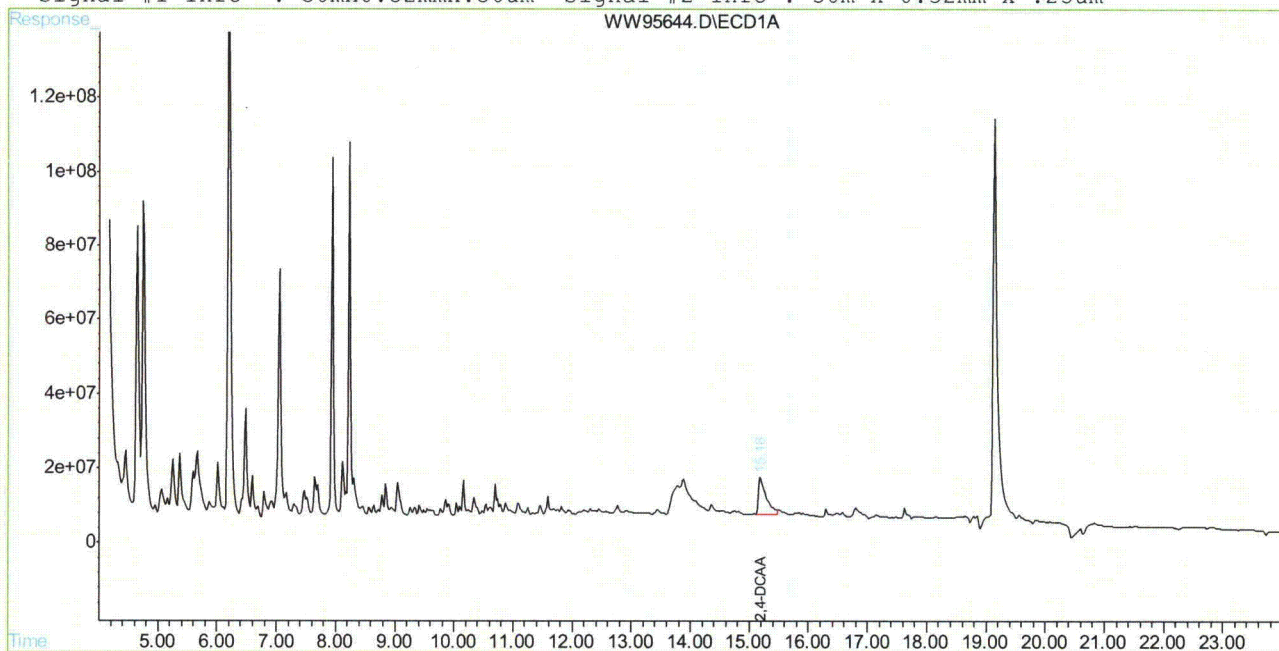
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95644.D HWW3143.M Fri Nov 05 11:24:52 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95644.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95644.D\ECD2B.CH
Acq On : 4 Nov 2010 8:43 pm Operator: toyar
Sample : ja58900-12cf Inst : GCWW
Misc : OP46441,Gww3348,35.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 5 8:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Nov 05 08:09:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95644.D HWW3143.M

Fri Nov 05 11:24:53 2010

GCCD

Page 2

**Jessica Reitan-Chu
11/04/10 17:57**

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD2B.CH
Acq On : 3 Nov 2010 9:33 pm Operator: toyar
Sample : ja58900-14 Inst : GCWW
Misc : OP46377,Gww3346,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:04 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:03:24 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.16f	14.66f	728.4E6	229.7E6	331.257m	244.428m#
Spiked Amount	500.000		Recovery	=	66.25%	48.89%

Target Compounds

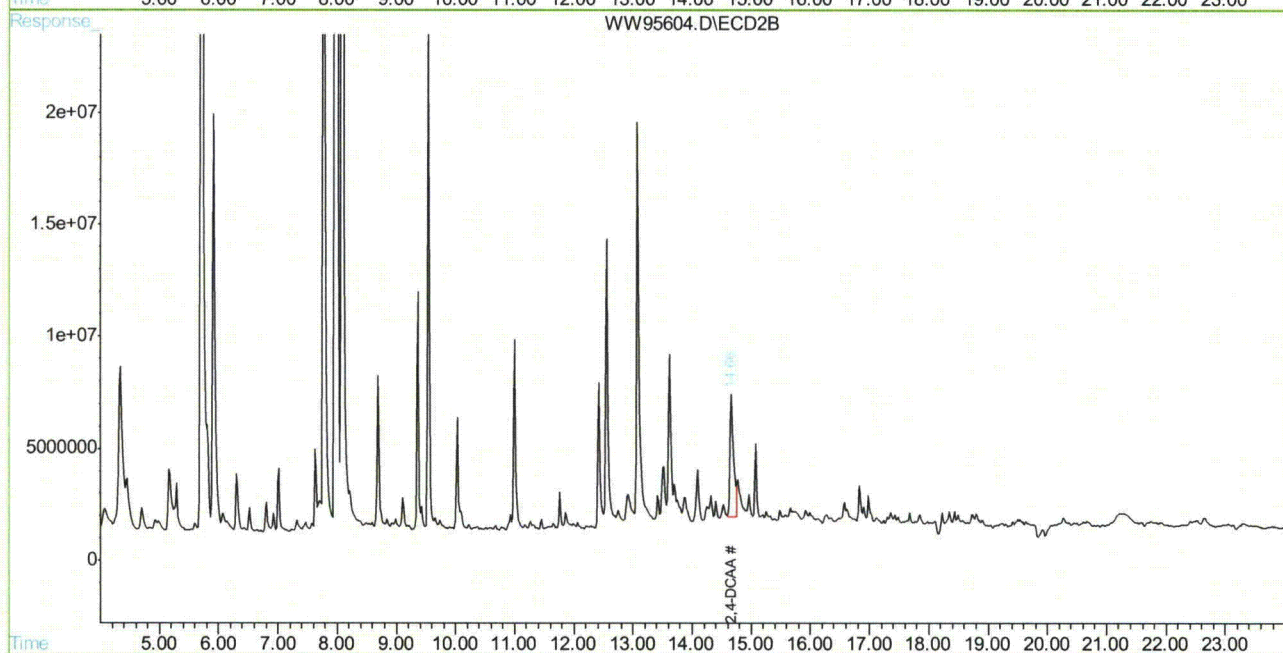
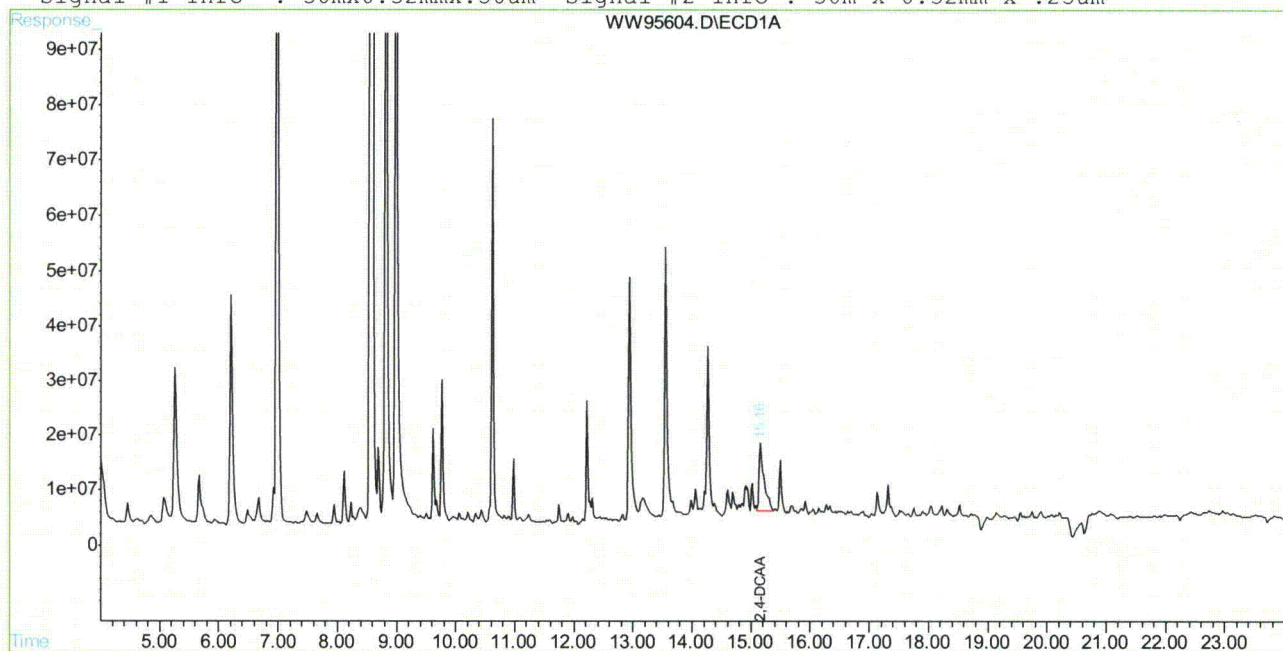
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95604.D HWW3143.M Thu Nov 04 15:04:53 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD2B.CH
Acq On : 3 Nov 2010 9:33 pm Operator: toyar
Sample : ja58900-14 Inst : GCWW
Misc : OP46377,Gww3346,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:04 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:03:24 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



WW95604.D HWW3143.M

Thu Nov 04 15:04:54 2010

GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-14 **Method:** SW846 8151
Lab FileID: WW95604.D **Analyst approved:** 11/04/10 17:51 Jessica Reitan-Chu
Injection Time: 11/03/10 21:33 **Supervisor approved:** 11/04/10 17:57 Jessica Reitan-Chu

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.66	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.16	Poorly defined baseline

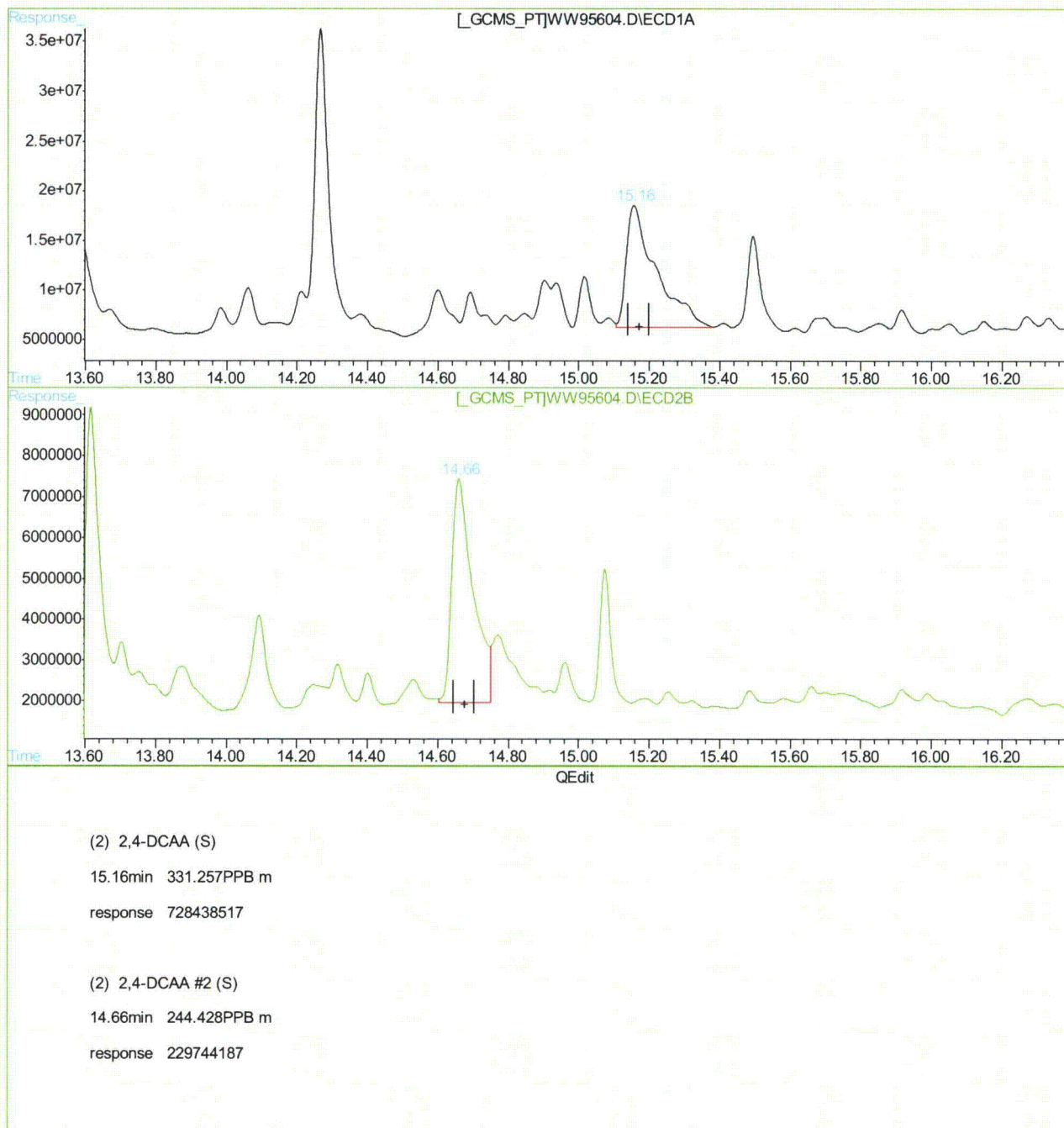
10.1.23.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\GWW3346\WW95604.D\ECD2B.CH
Acq On : 3 Nov 2010 9:33 pm Operator: toyar
Sample : ja58900-14 Inst : GCWW
Misc : OP46377,Gww3346,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 15:04 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Thu Nov 04 15:03:24 2010
Response via : Multiple Level Calibration



(+) = Expected Retention Time
WW95604.D HWW3143.M Thu Nov 04 15:04:46 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD2B.CH
Acq On : 4 Nov 2010 9:14 pm Operator: toyar
Sample : ja58900-14cf Inst : GCWW
Misc : OP46441,Gww3348,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 5 8:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Nov 05 08:09:41 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
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System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.68	777.9E6	178.0E6	353.762m	189.337m#
Spiked Amount	500.000		Recovery	=	70.75%	37.87%

Target Compounds

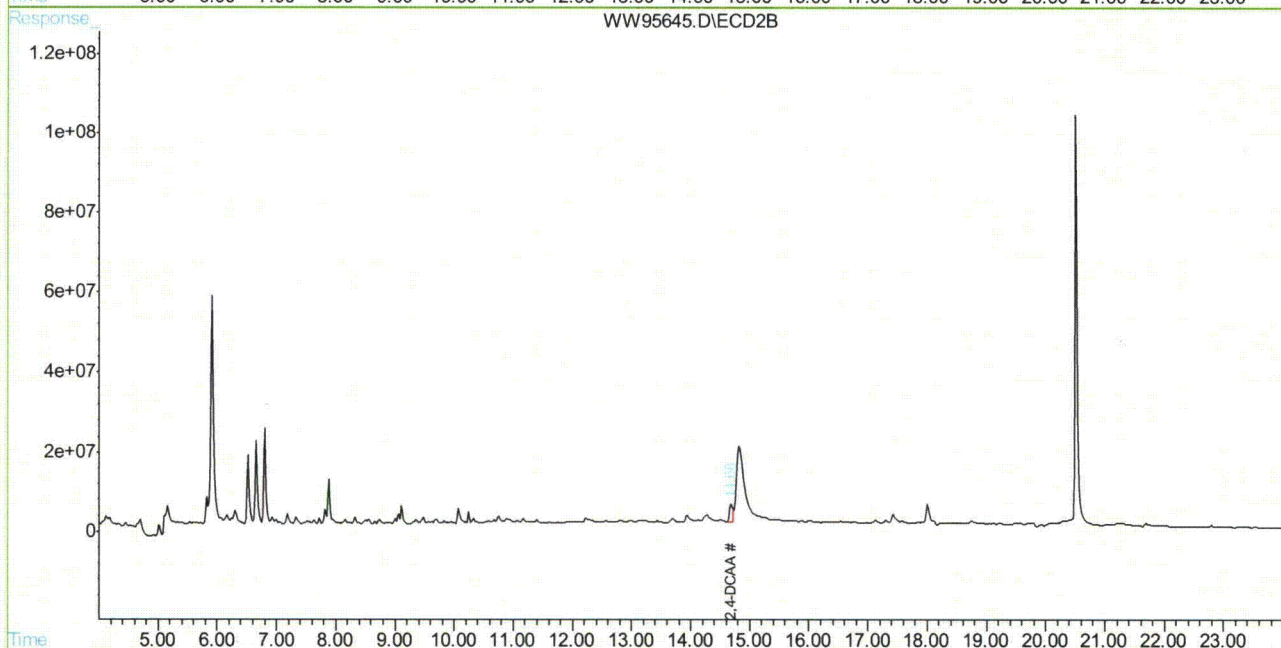
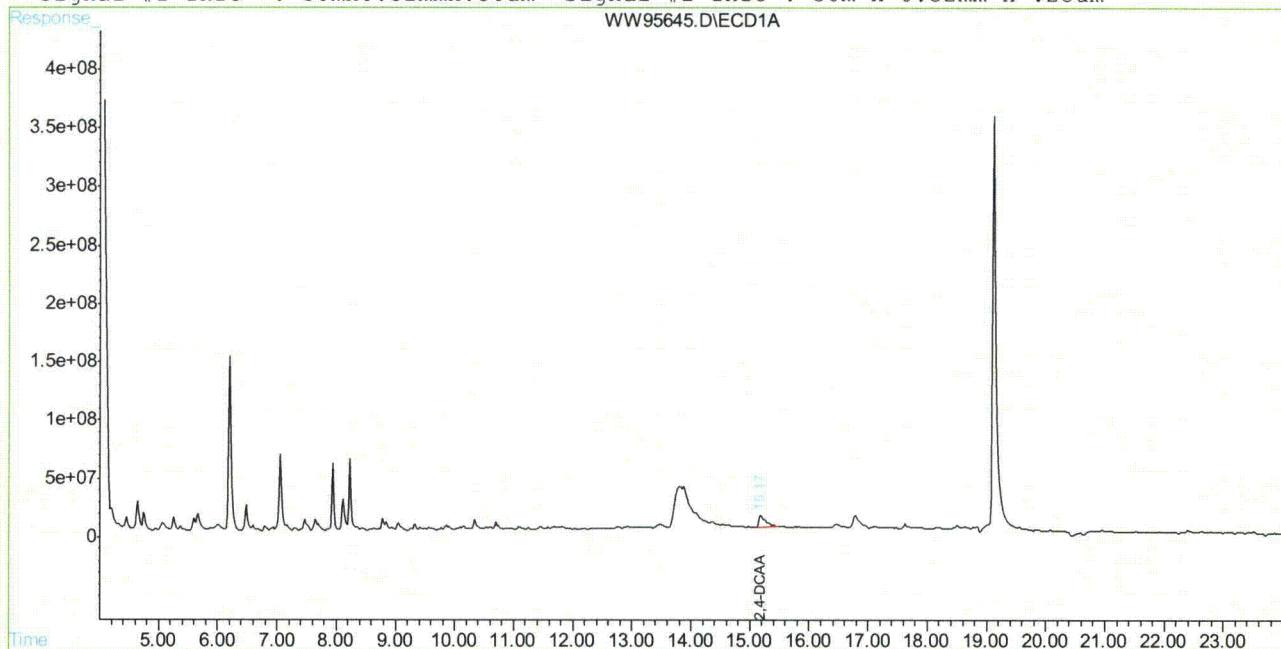
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
WW95645.D HWW3143.M Fri Nov 05 11:24:29 2010 GCCD

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD2B.CH
Acq On : 4 Nov 2010 9:14 pm Operator: toyar
Sample : ja58900-14cf Inst : GCWW
Misc : OP46441,Gww3348,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 5 8:10 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Nov 05 08:09:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : HWW3143.M

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



WW95645.D HWW3143.M

Fri Nov 05 11:24:30 2010

GCCD

Page 2

Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-14 **Method:** SW846 8151
Lab FileID: WW95645.D **Analyst approved:** 11/05/10 11:18 Toya Dagena Raffington
Injection Time: 11/04/10 21:14 **Supervisor approved:** 11/05/10 11:18 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.68	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.17	Poorly defined baseline

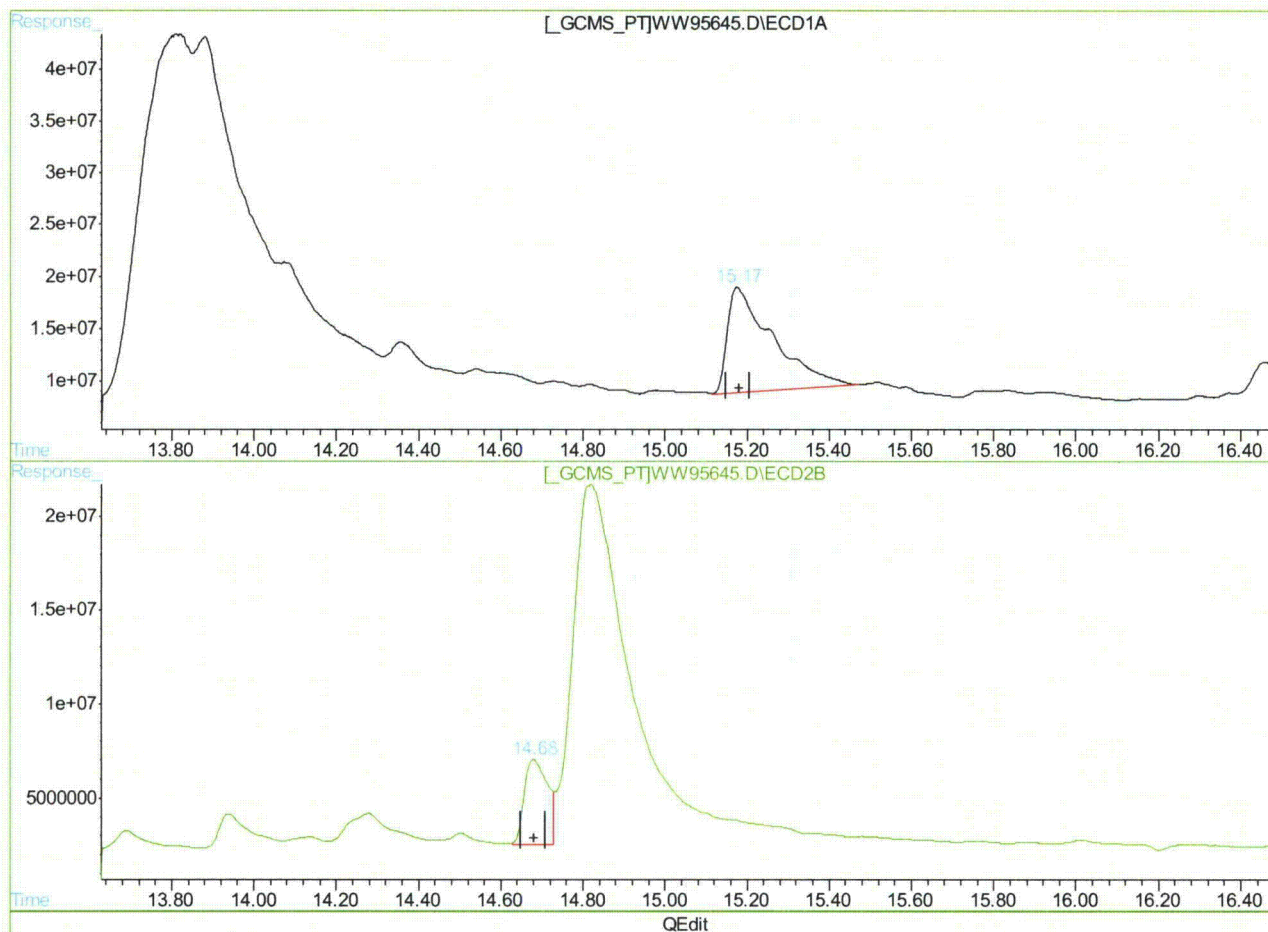
10.1.24.1

10

Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GWW3348\WW95645.D\ECD2B.CH
Acq On : 4 Nov 2010 9:14 pm Operator: toyar
Sample : ja58900-14cf Inst : GCWW
Misc : OP46441,Gww3348,35.4,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 5 8:10 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)
Title : HERB
Last Update : Fri Nov 05 09:57:41 2010
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.17min 353.762PPB m

response 777925770

(2) 2,4-DCAA #2 (S)

14.68min 189.337PPB m

response 177962287

(+) = Expected Retention Time

WW95645.D HWW3143.M

Fri Nov 05 11:24:40 2010

GCCD

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:23 pm
Operator : owenm
Sample : ja58900-1
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:04 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.980	2.336	88617760	66435492	26.578	23.471
Spiked Amount	40.000	Range	30 - 150	Recovery =	66.44%	58.68%
34) SA Decachlor...	8.715	10.384	105.0E6	64548456	33.557	31.682
Spiked Amount	40.000	Range	30 - 150	Recovery =	83.89%	79.20%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

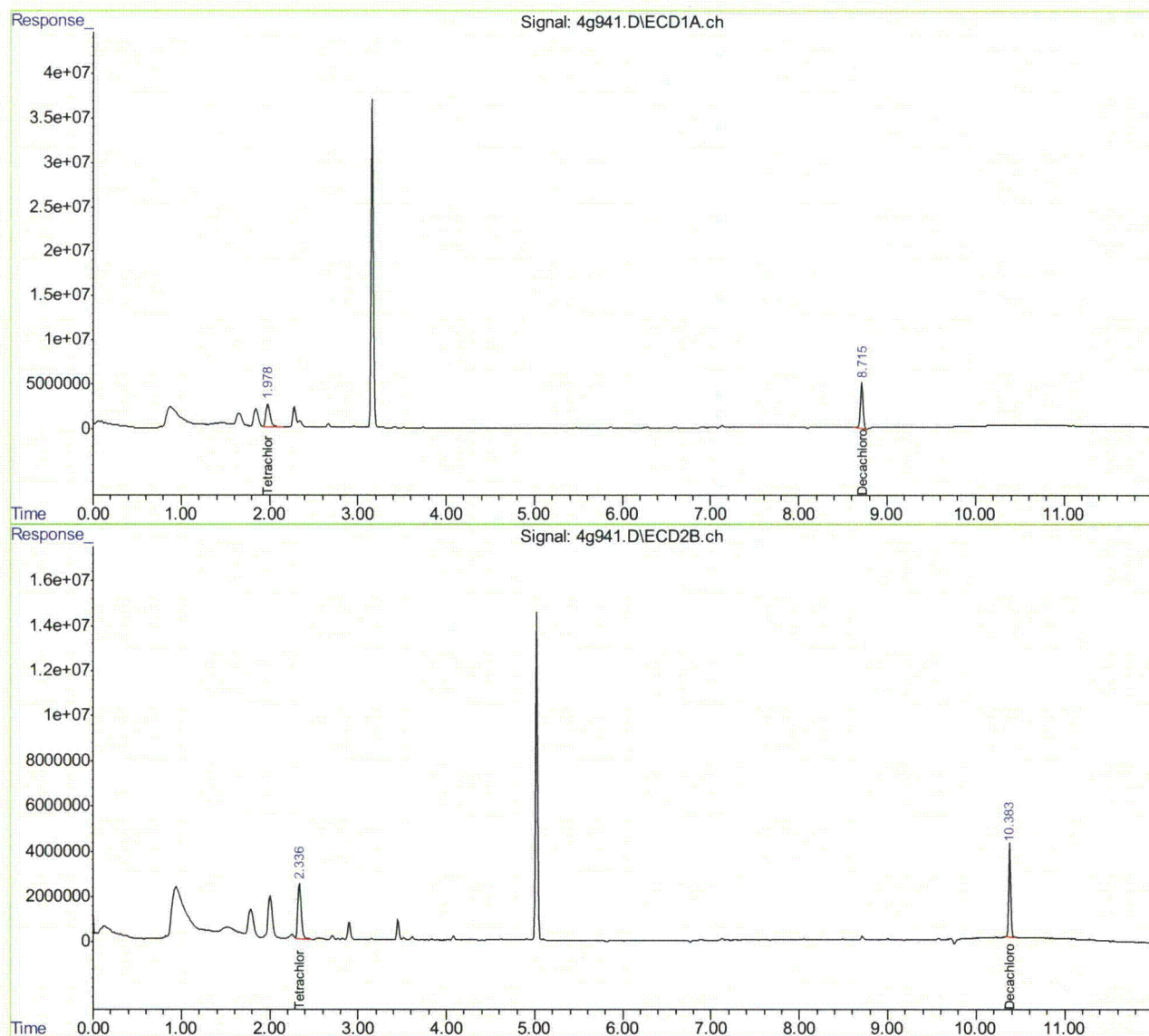
10.1.25
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:23 pm
Operator : owenm
Sample : ja58900-1
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:04 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:37 pm
Operator : owenm
Sample : ja58900-2
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:21 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.977	2.333	86958534	69388251	26.081	24.514
Spiked Amount	40.000	Range	30 - 150	Recovery =	65.20%	61.29%
34) SA Decachlor...	8.715	10.385	100.2E6	63505050	32.038	31.169
Spiked Amount	40.000	Range	30 - 150	Recovery =	80.09%	77.92%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

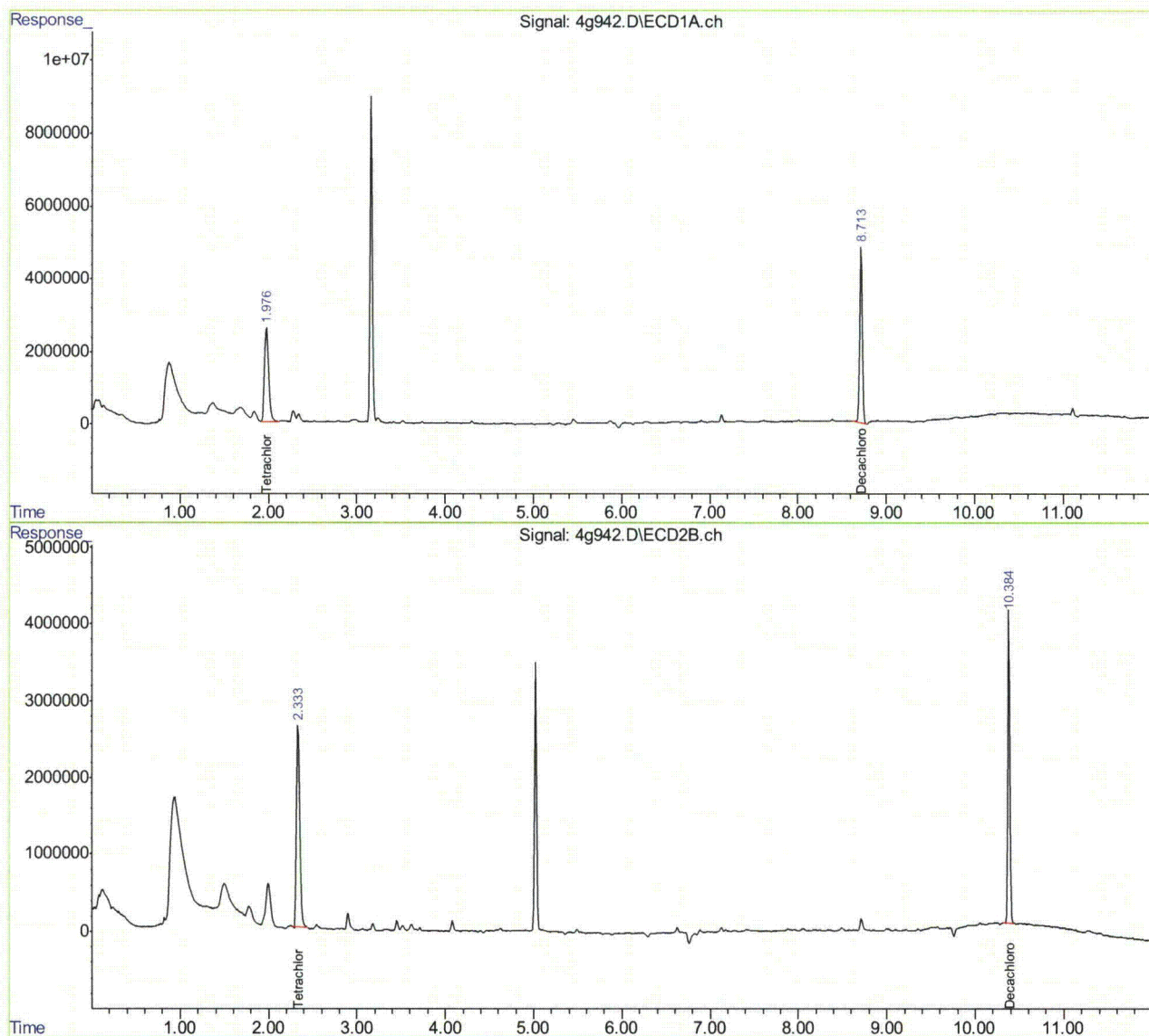
10.1.26
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:37 pm
Operator : owenm
Sample : ja58900-2
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:21 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.1.26 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 2:58 pm
Operator : owenm
Sample : ja58900-3
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 02 14:37:28 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Mon Nov 01 09:27:25 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.978	2.336	117.4E6	100.3E6	35.213	35.438
Spiked Amount	40.000	Range	30 - 150	Recovery	= 88.03%	88.59%
34) SA Decachlor...	8.717	10.386	133.5E6	83924850	42.678	41.192
Spiked Amount	40.000	Range	30 - 150	Recovery	= 106.69%	102.98%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

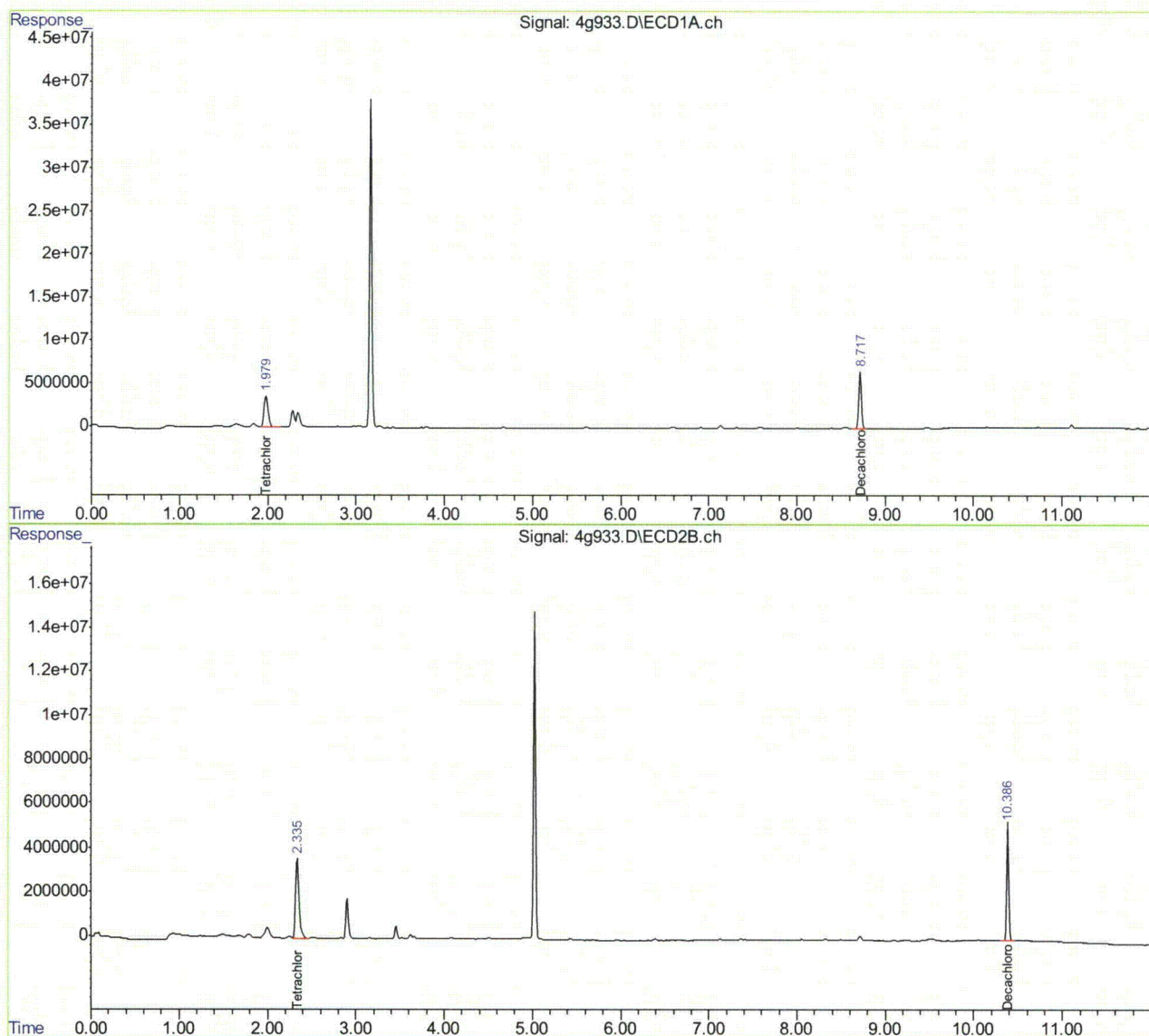
10.1.27
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 2:58 pm
Operator : owenm
Sample : ja58900-3
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 02 14:37:28 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Mon Nov 01 09:27:25 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:50 pm
Operator : owenm
Sample : ja58900-4
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:42 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.978	2.334	74633335	61267903	22.384	21.645
Spiked Amount	40.000	Range	30 - 150	Recovery =	55.96%	54.11%
34) SA Decachlor...	8.715	10.385	94860252	61253209	30.322	30.064
Spiked Amount	40.000	Range	30 - 150	Recovery =	75.81%	75.16%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

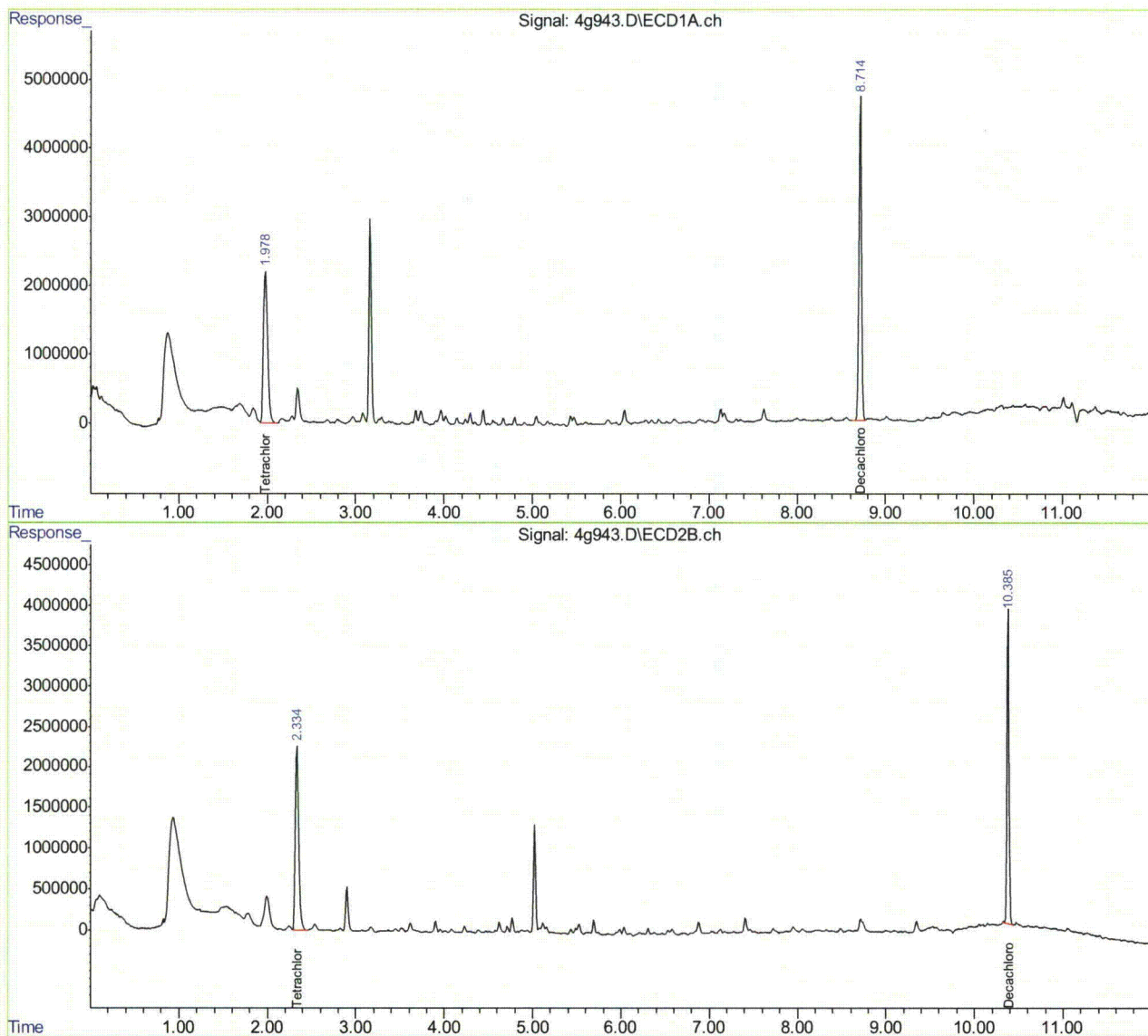
10.1.28
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 5:50 pm
Operator : owenm
Sample : ja58900-4
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:42 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58178.D\ECD1A.CH Vial: 36
Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58178.D\ECD2B.CH
Acq On : 10-26-10 08:37:50 PM Operator: owenm
Sample : ja58900-5 Inst : GC1G
Misc : op46260,glg2122,910,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 17:22 2010 Quant Results File: 1PST2096.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Oct 20 16:45:53 2010
Response via : Initial Calibration
DataAcq Meth : 1PST2096.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.97	2.29	593.7E6	202.0E6	26.974	28.125
Spiked Amount	40.000	Range	30 - 150	Recovery	=	67.44%
34) SA Decachlorobiphen	8.64	10.27	438.6E6	69329443	13.944	12.535
Spiked Amount	40.000	Range	30 - 150	Recovery	=	34.86%

Target Compounds

(f)=RT Delta > 1/2 Window
1G58178.D 1PST2096.M

Fri Oct 29 17:22:43 2010

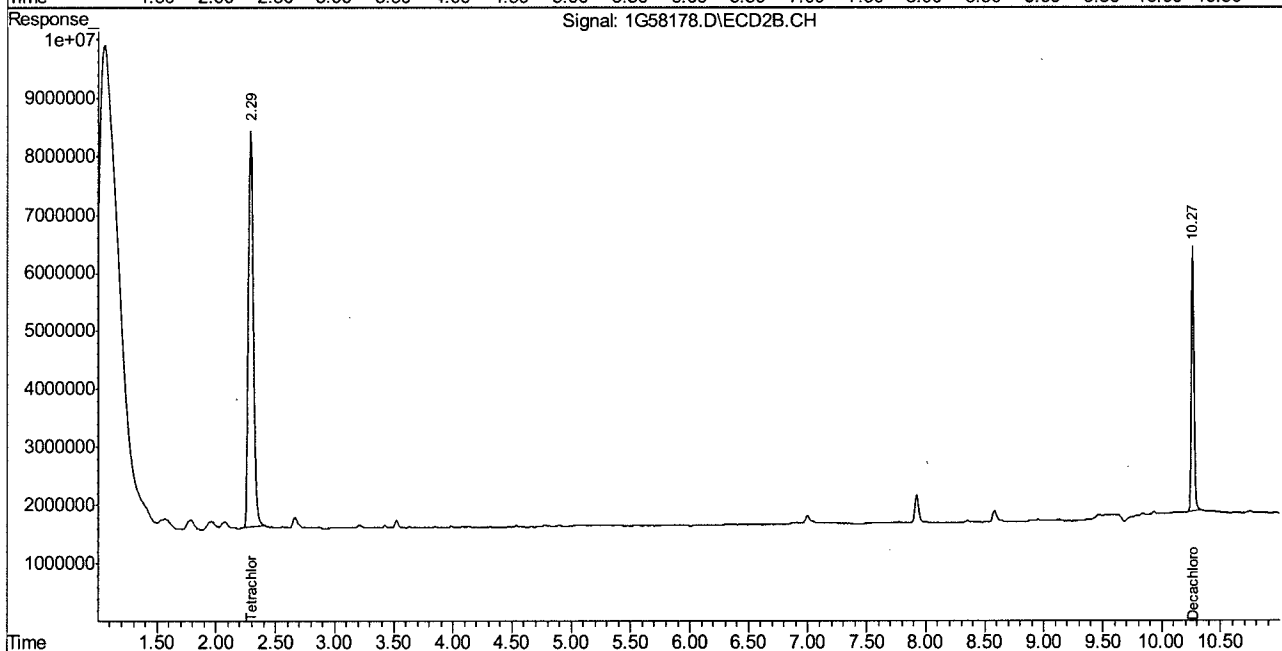
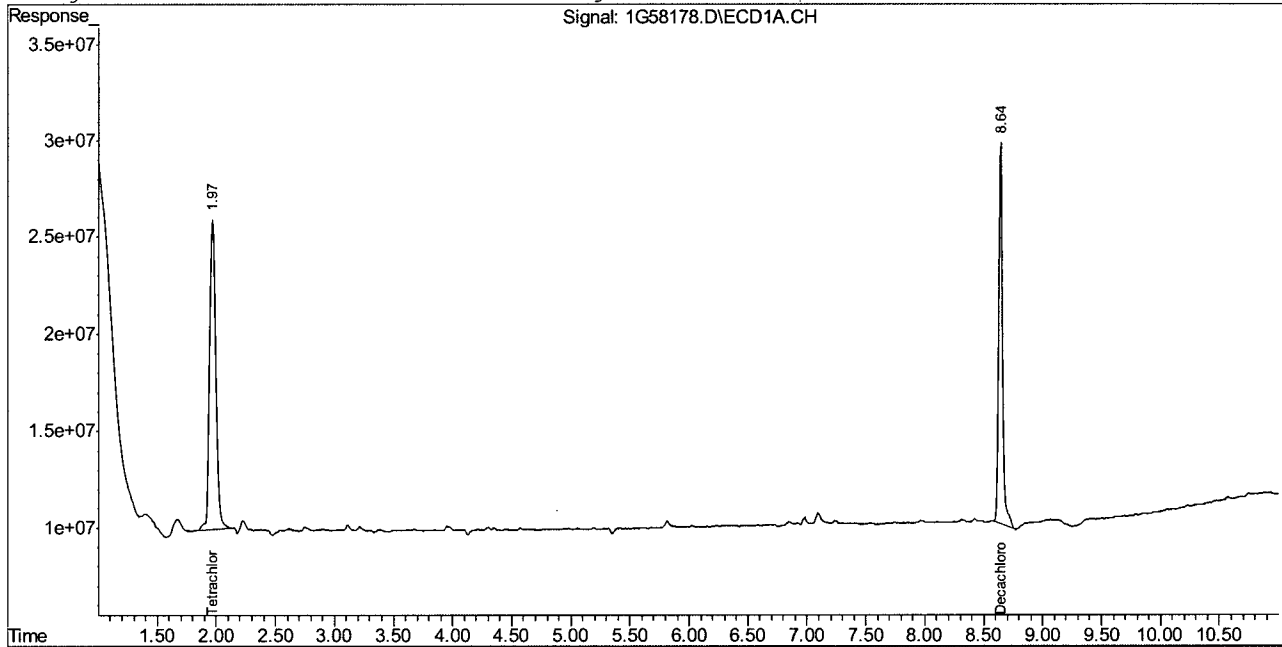
(m)=manual int.
RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58178.D\ECD1A.CH Vial: 36
Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58178.D\ECD2B.CH
Acq On : 10-26-10 08:37:50 PM Operator: owenm
Sample : ja58900-5 Inst : GC1G
Misc : op46260,glg2122,910,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 17:22 2010 Quant Results File: 1PST2096.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Oct 20 16:45:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : 1PST2096.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58178.D 1PST2096.M

Fri Oct 29 17:22:43 2010

RPT1

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58179.D\ECD1A.CH Vial: 37
Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58179.D\ECD2B.CH
Acq On : 10-26-10 08:53:00 PM Operator: owenm
Sample : ja58900-6 Inst : GC1G
Misc : op46260,glg2122,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 17:22 2010 Quant Results File: 1PST2096.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Oct 20 16:45:53 2010
Response via : Initial Calibration
DataAcq Meth : 1PST2096.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.97	2.29	796.2E6	285.2E6	36.173	39.717
Spiked Amount	40.000	Range	30 - 150	Recovery	=	90.43% 99.29%
34) SA Decachlorobiphen	8.64	10.27	932.8E6	157.1E6	29.653	28.398
Spiked Amount	40.000	Range	30 - 150	Recovery	=	74.13% 70.99%

Target Compounds

(f)=RT Delta > 1/2 Window
1G58179.D 1PST2096.M

Fri Oct 29 17:22:55 2010

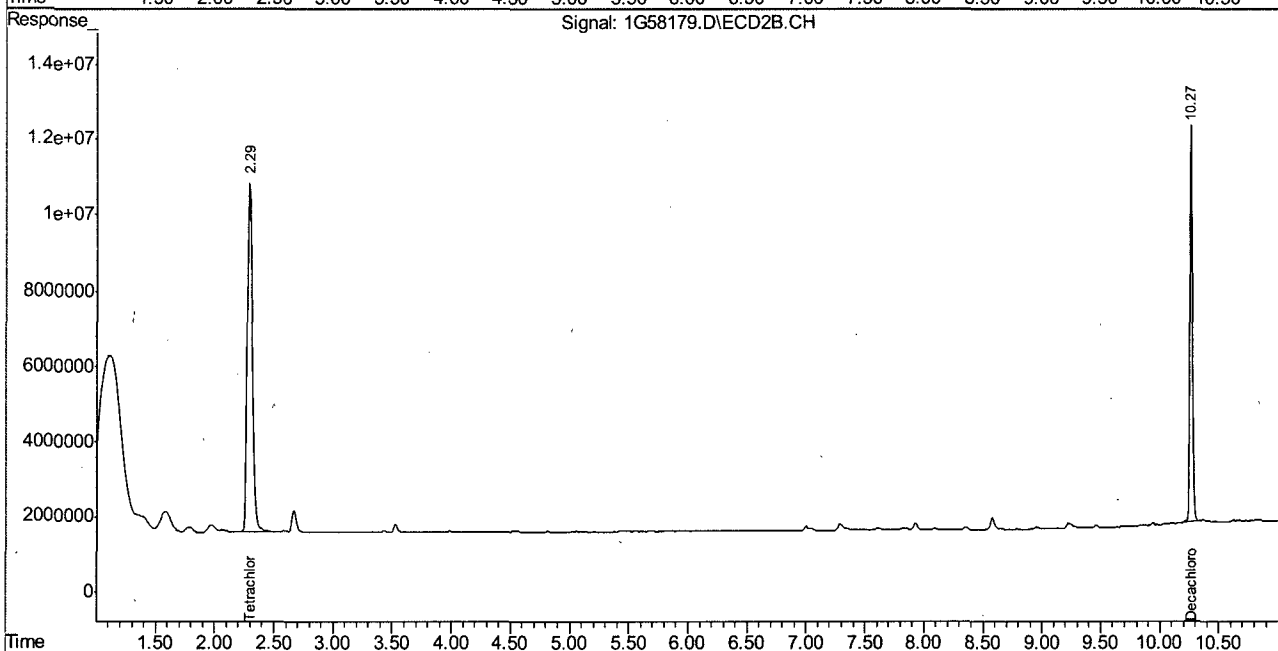
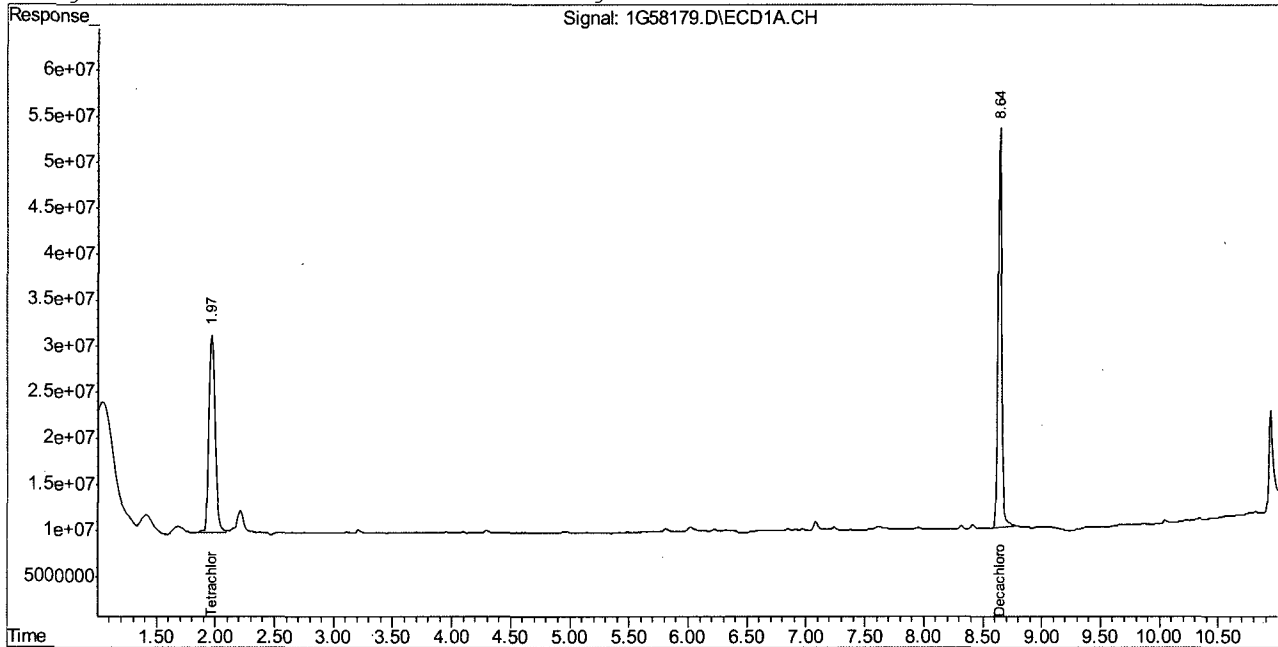
(m)=manual int.
RPT1

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2122\1G58179.D\ECD1A.CH Vial: 37
Signal #2 : C:\MSDCHEM\1\DATA\1G2122\1G58179.D\ECD2B.CH
Acq On : 10-26-10 08:53:00 PM Operator: owenm
Sample : ja58900-6 Inst : GC1G
Misc : op46260,glg2122,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 29 17:22 2010 Quant Results File: 1PST2096.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2096.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Oct 20 16:45:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : 1PST2096.M

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:04 pm
Operator : owenm
Sample : ja58900-7
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:55 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.977	2.334	104.6E6	81857496	31.378	28.919
Spiked Amount	40.000	Range	30 - 150	Recovery =	78.44%	72.30%
34) SA Decachlor...	8.715	10.384	105.6E6	66224755	33.763	32.504
Spiked Amount	40.000	Range	30 - 150	Recovery =	84.41%	81.26%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

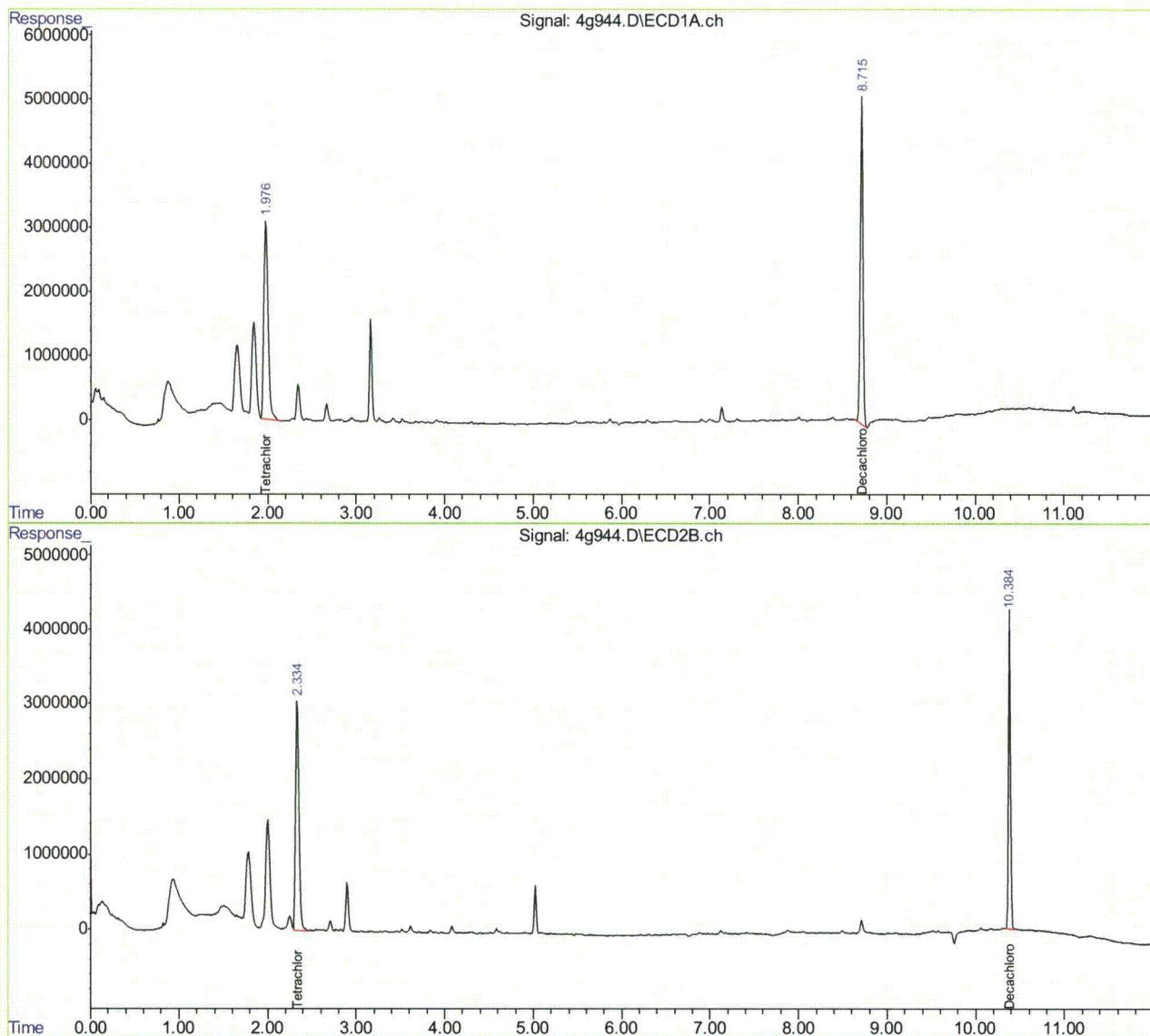
10.1.31
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:04 pm
Operator : owenm
Sample : ja58900-7
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:08:55 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:17 pm
Operator : owenm
Sample : ja58900-8
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:15 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.975	2.333	105.1E6	86385192	31.514	30.518
Spiked Amount	40.000	Range	30 - 150	Recovery =	78.78%	76.30%
34) SA Decachlor...	8.715	10.384	108.6E6	69131051	34.710	33.931
Spiked Amount	40.000	Range	30 - 150	Recovery =	86.78%	84.83%

Target Compounds

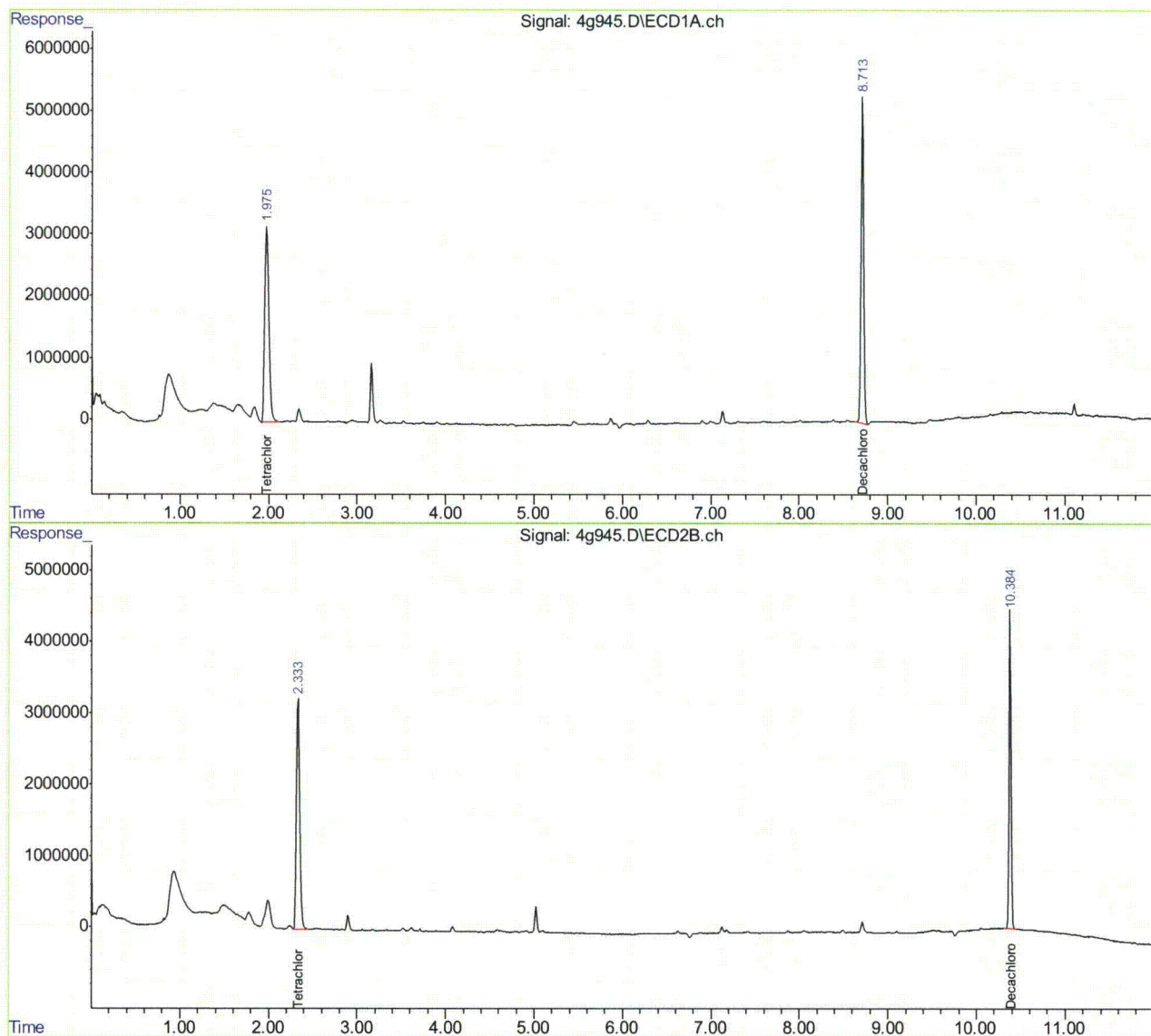
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:17 pm
Operator : owenm
Sample : ja58900-8
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:15 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.132 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:30 pm
Operator : owenm
Sample : ja58900-9
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.977	2.334	114.2E6	90416718	34.251	31.943
Spiked Amount	40.000	Range	30 - 150	Recovery =	85.63%	79.86%
34) SA Decachlor...	8.715	10.385	111.1E6	70993988	35.523	34.845
Spiked Amount	40.000	Range	30 - 150	Recovery =	88.81%	87.11%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

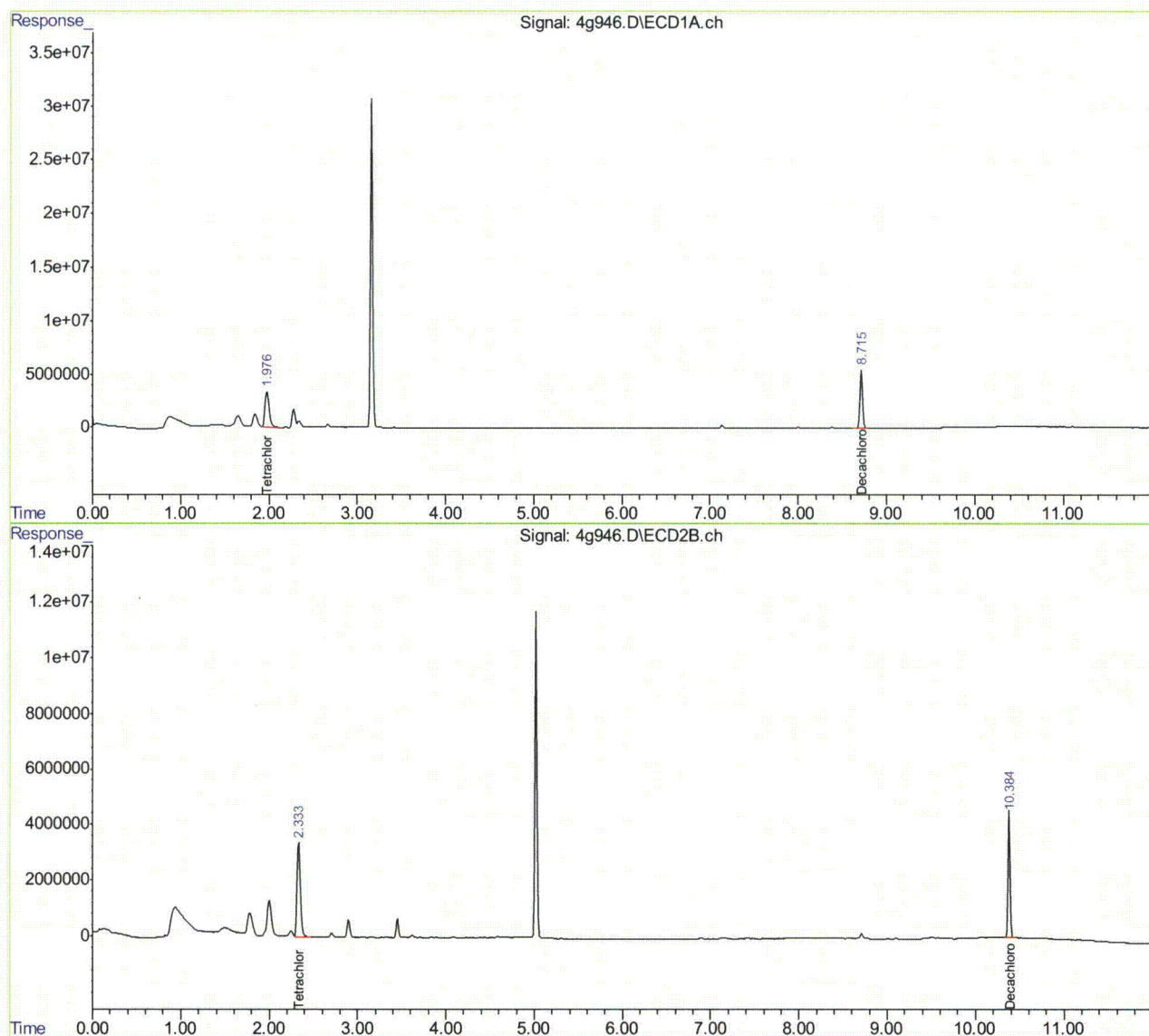
10.1.33 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:30 pm
Operator : owenm
Sample : ja58900-9
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g29\
Data File : 4g1018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Nov 2010 10:42 am
Operator : owenm
Sample : ja58900-10
Misc : op46373,g4g29,17.0,,,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 13:40:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.978	2.332	106.2E6	85824755	31.859	30.320
Spiked Amount	40.000	Range	30 - 150	Recovery =	79.65%	75.80%
34) SA Decachlor...	8.708	10.375	116.6E6	75662319	37.279	37.136
Spiked Amount	40.000	Range	30 - 150	Recovery =	93.20%	92.84%

Target Compounds

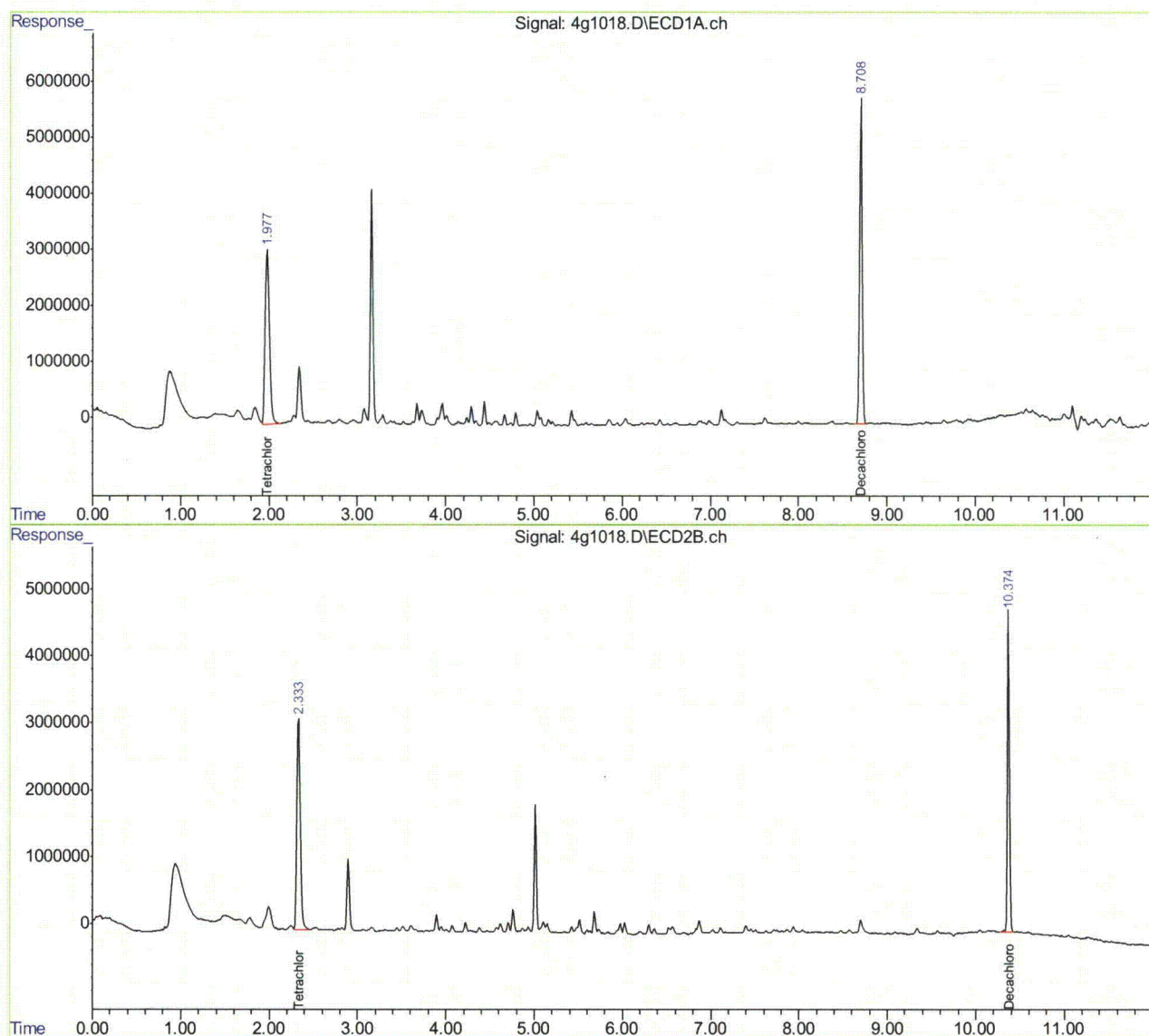
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g29\
Data File : 4g1018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Nov 2010 10:42 am
Operator : owenm
Sample : ja58900-10
Misc : op46373,g4g29,17.0,,,10,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 13:40:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g29\
Data File : 4g1019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Nov 2010 10:55 am
Operator : owenm
Sample : ja58900-11
Misc : op46373,g4g29,17.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 13:40:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.980	2.334	78520589	63856585	23.550	22.559
Spiked Amount	40.000	Range	30 - 150	Recovery =	58.88%	56.40%
34) SA Decachlor...	8.708	10.375	96350275	63520224	30.799	31.177
Spiked Amount	40.000	Range	30 - 150	Recovery =	77.00%	77.94%
Target Compounds						
13) B 4,4'-DDE	4.298	5.482	16087804	11771968	4.309	4.861
18) MA 4,4'-DDT	5.469	6.870	51303681	36394323	15.271m	15.530m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

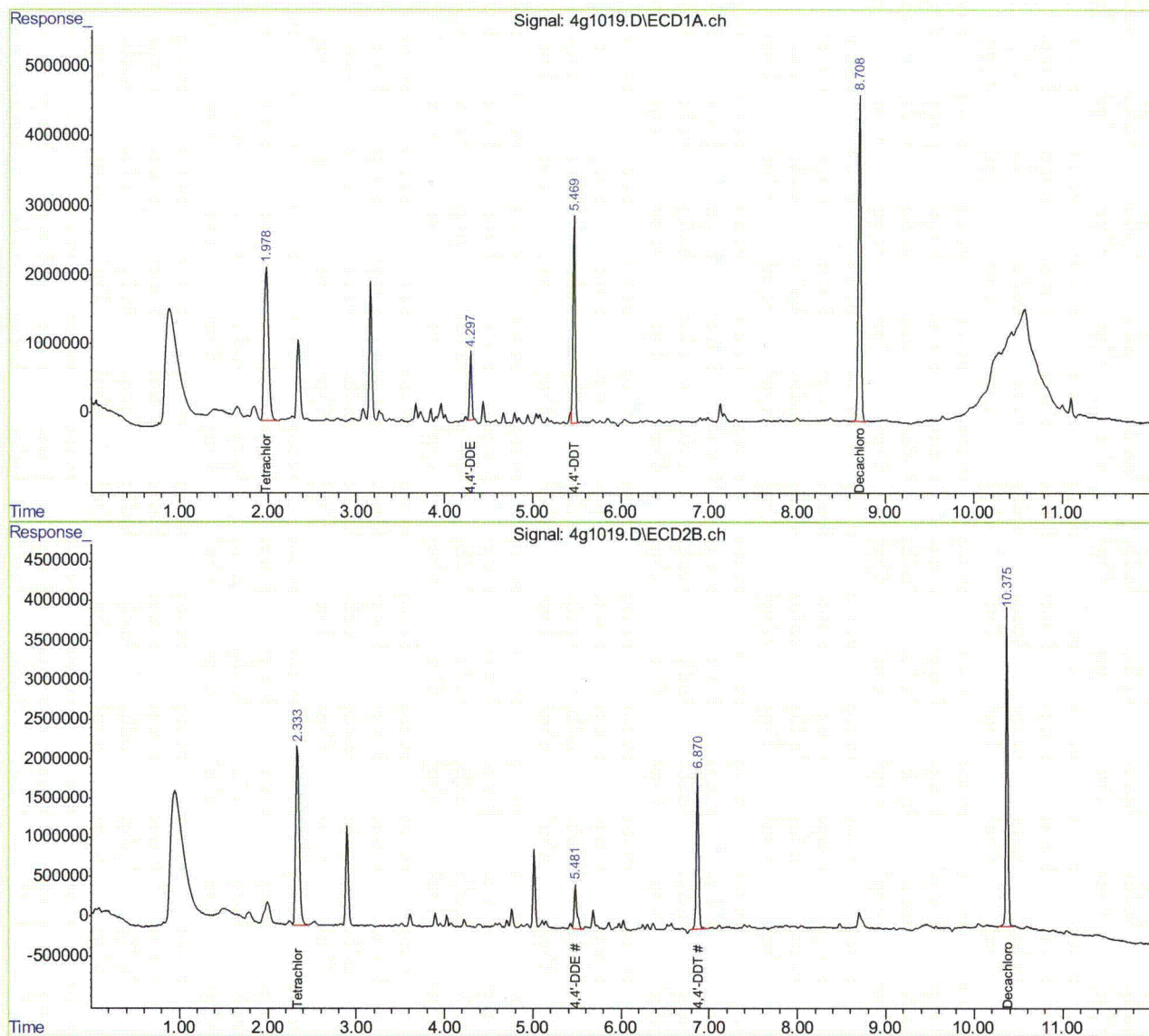
10.1.35
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g29\
Data File : 4g1019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Nov 2010 10:55 am
Operator : owenm
Sample : ja58900-11
Misc : op46373,g4g29,17.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 13:40:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Manual Integration Approval Summary

Page 1 of 1

Sample Number: JA58900-11 **Method:** SW846 8081A
Lab FileID: 4G1019.D **Analyst approved:** 11/04/10 11:15 Toya Dagena Raffington
Injection Time: 11/03/10 10:55 **Supervisor approved:** 11/04/10 12:41 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
4,4'-DDT	50-29-3	1	5.47	Poorly defined baseline
4,4'-DDT	50-29-3	2	6.87	Poorly defined baseline

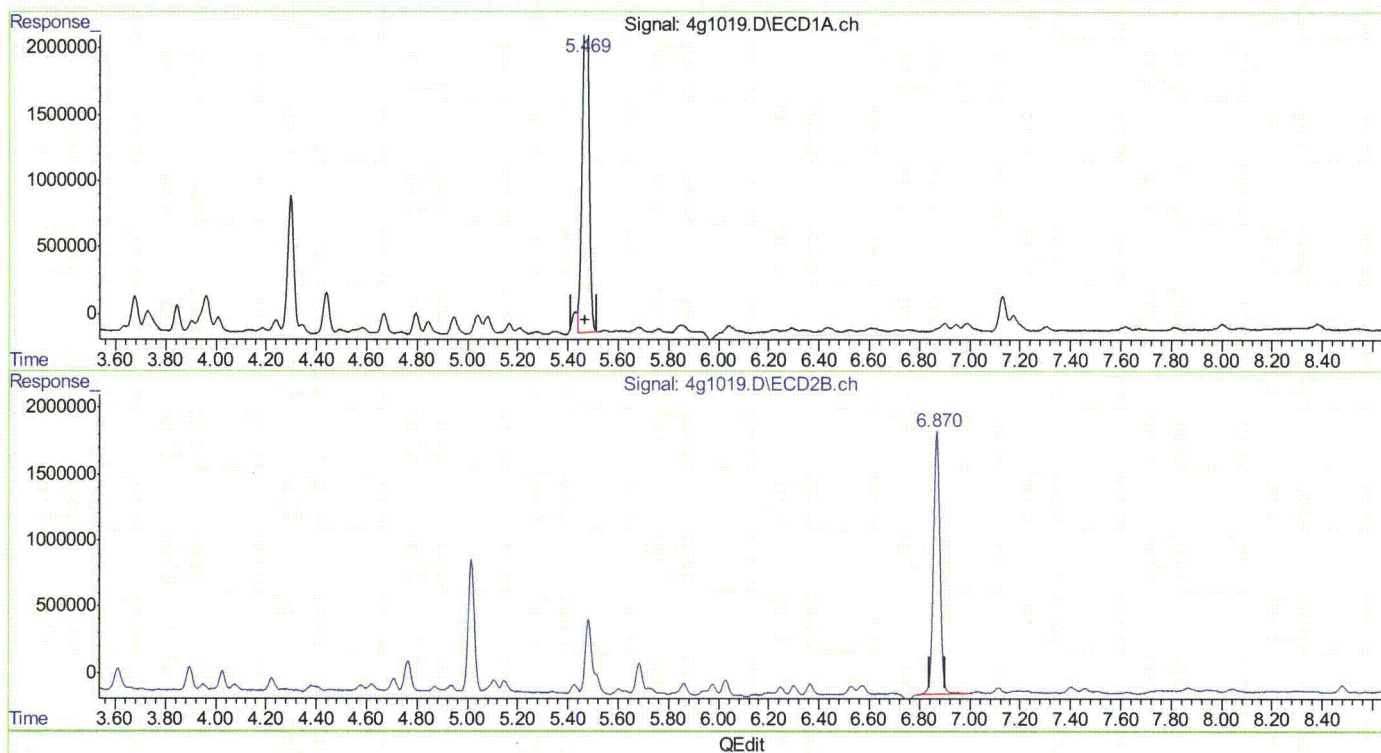
10.1.35.1
10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\4g29\
Data File : 4g1019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Nov 2010 10:55 am
Operator : owenm
Sample : ja58900-11
Misc : op46373,g4g29,17.0,,,10,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 13:40:14 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



(18) 4,4'-DDT (MA)
5.469min 15.271 PPB m
response 51303681

(18) 4,4'-DDT #2 (MA)
6.870min 15.530 PPB m
response 36394323

(+) = Expected Retention Time
4pst19.M Wed Nov 03 13:40:55 2010 RPT1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:44 pm
Operator : owenm
Sample : ja58900-12
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.977	2.334	72244421	57624102	21.668	20.358
Spiked Amount	40.000	Range	30 - 150	Recovery =	54.17%	50.90%
34) SA Decachlor...	8.715	10.384	77026136	49694054	24.622	24.391
Spiked Amount	40.000	Range	30 - 150	Recovery =	61.56%	60.98%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

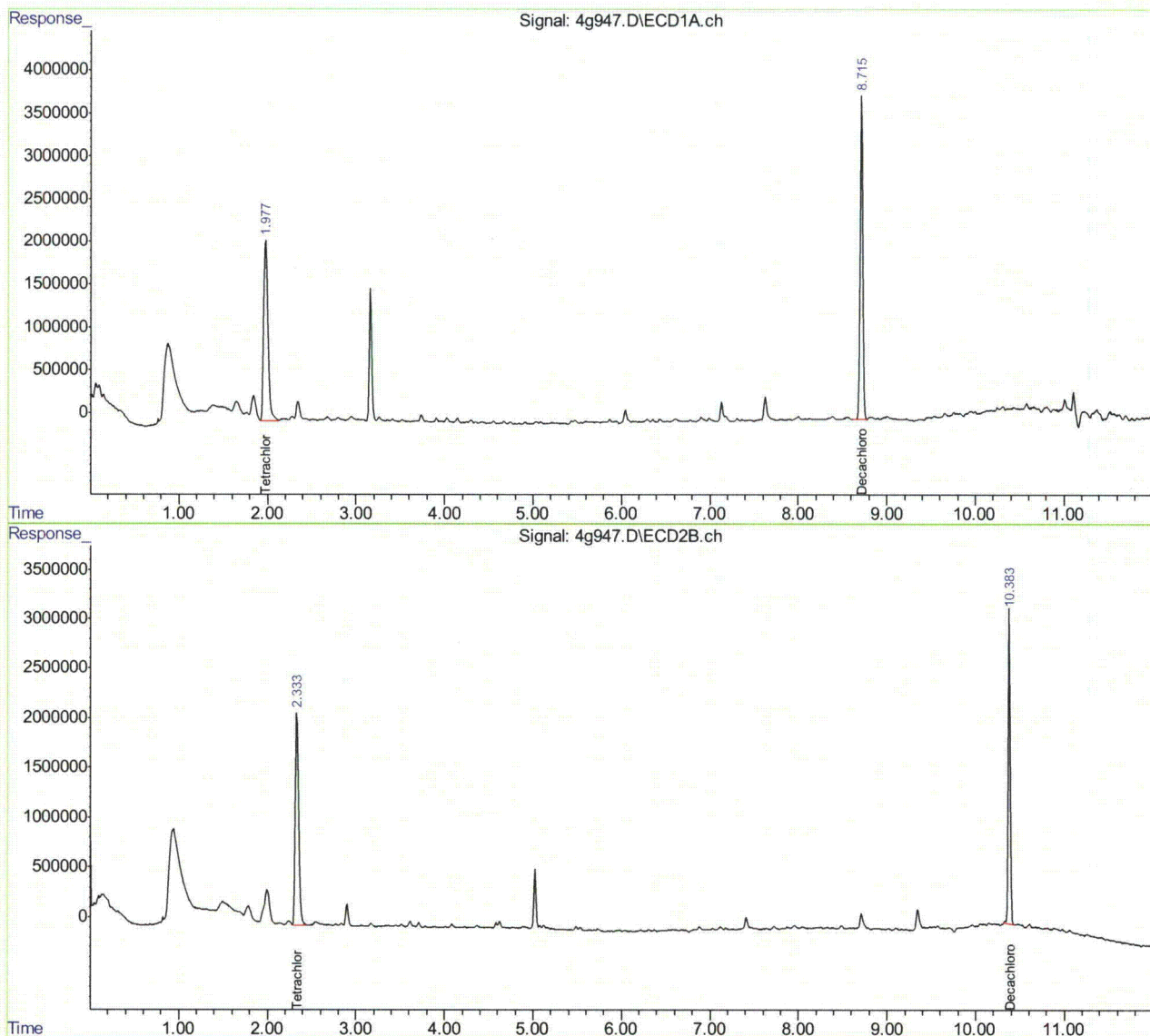
10.1.36
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:44 pm
Operator : owenm
Sample : ja58900-12
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:09:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:57 pm
Operator : owenm
Sample : ja58900-14
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:10:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
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) SAB Tetrachlo...	1.980	2.336	106.8E6	88122081	32.040	31.132
Spiked Amount	40.000	Range	30 - 150	Recovery =	80.10%	77.83%
34) SA Decachlor...	8.716	10.384	104.9E6	67955112	33.540	33.354
Spiked Amount	40.000	Range	30 - 150	Recovery =	83.85%	83.38%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

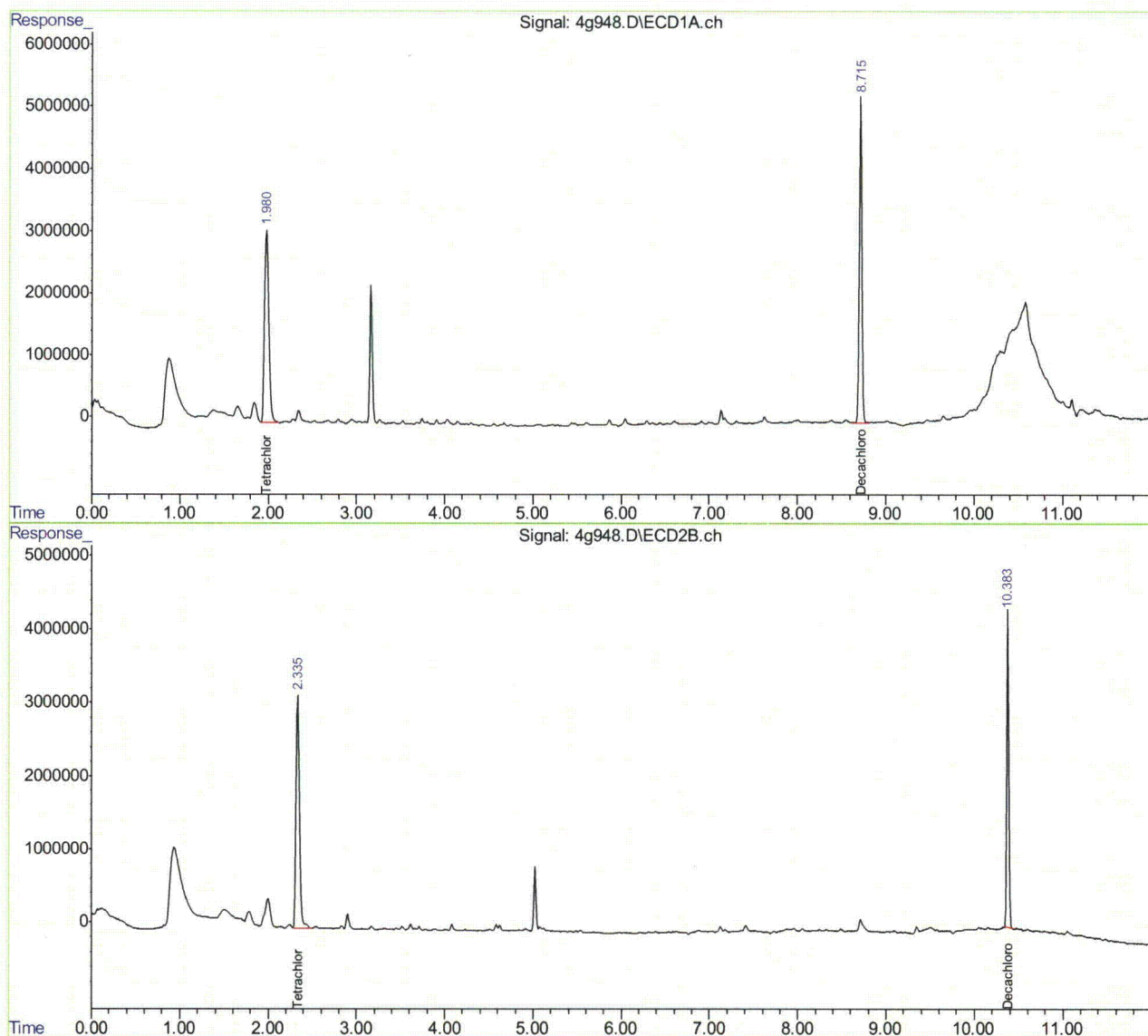
10.1.37
10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\4g27\
Data File : 4g948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Nov 2010 6:57 pm
Operator : owenm
Sample : ja58900-14
Misc : op46373,g4g27,17.0,,,10,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:10:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\4pst19.M
Quant Title : PEST/PCB
QLast Update : Tue Nov 02 16:34:27 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul/column
Signal #1 Phase : RTXCLP I Signal #2 Phase: RTX-CLP II
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



10.137 10

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93914.D\ECD1A.CH Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93914.D\ECD2B.CH
 Acq On : 28 Oct 2010 4:15 pm Operator: vinced
 Sample : ja58900-1 Inst : gcef
 Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 11:09 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
 Title : GC/ECD- PCB
 Last Update : Wed Oct 27 15:03:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM

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

System Monitoring Compounds						
1) S Tetrachloro-m-xy	3.20	3.15	449462	586190	29.597	31.020
Spiked Amount	40.000		Recovery	=	73.99%	77.55%
51) S Decachlorobiphen	11.61	12.09	736241	965086	43.271	45.217
Spiked Amount	40.000		Recovery	=	108.18%	113.04%

Target Compounds

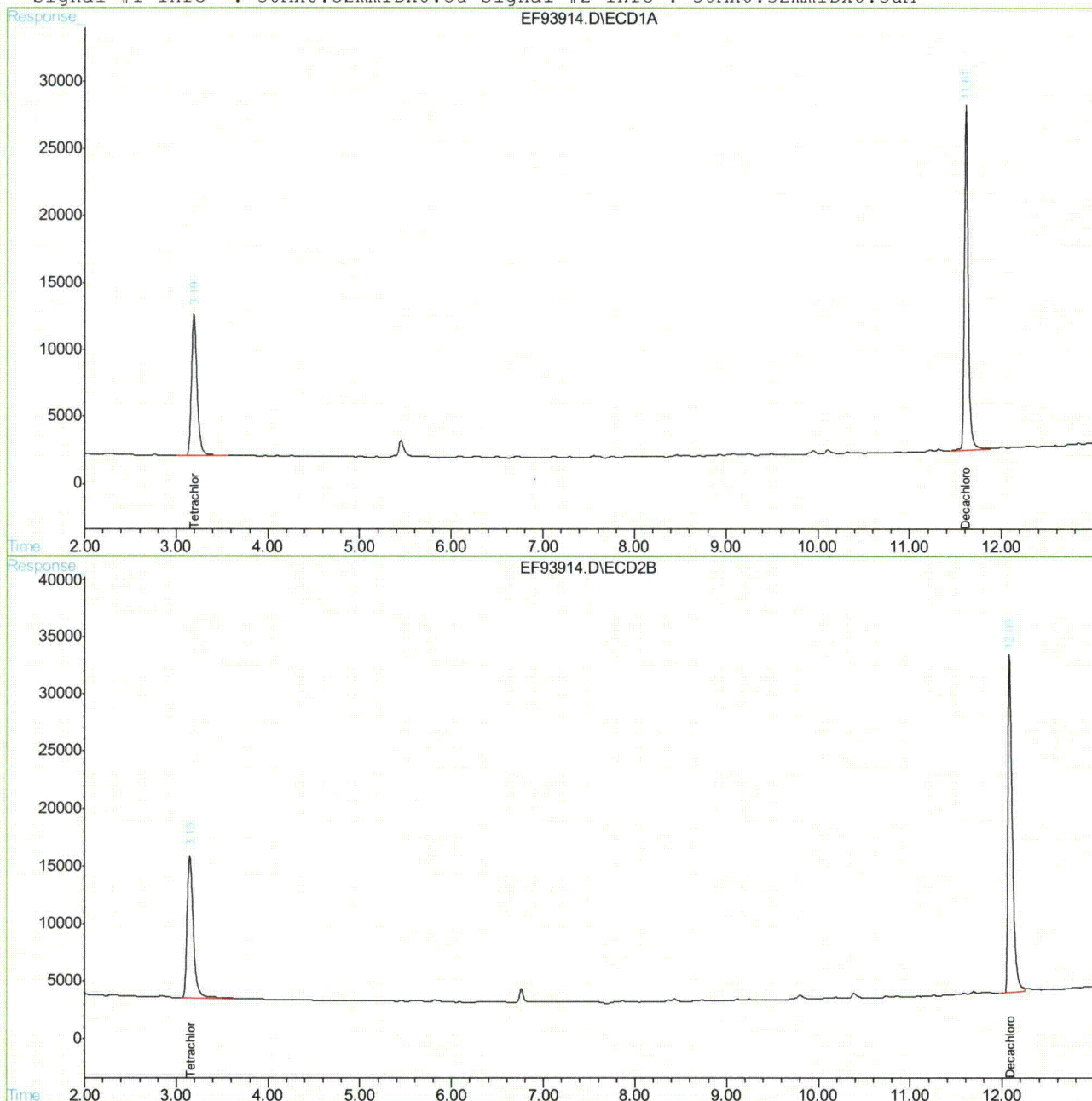
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 EF93914.D PCB4061.M Thu Nov 04 11:09:51 2010 GCEF

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93914.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93914.D\ECD2B.CH
Acq On : 28 Oct 2010 4:15 pm Operator: vinned
Sample : ja58900-1 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 11:09 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Wed Oct 27 15:03:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM



EF93914.D PCB4061.M

Thu Nov 04 11:09:51 2010

GCEF

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93919.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93919.D\ECD2B.CH
Acq On : 28 Oct 2010 5:45 pm Operator: vinced
Sample : ja58900-2 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 11:11 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Wed Oct 27 15:03:37 2010
Response via : Initial Calibration
DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM

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

System Monitoring Compounds						
1) S Tetrachloro-m-xy	3.20	3.15	471649	601113	31.058	31.810
Spiked Amount	40.000		Recovery	=	77.64%	79.53%
51) S Decachlorobiphen	11.61	12.08	717028	970014	42.141	45.448
Spiked Amount	40.000		Recovery	=	105.35%	113.62%

Target Compounds

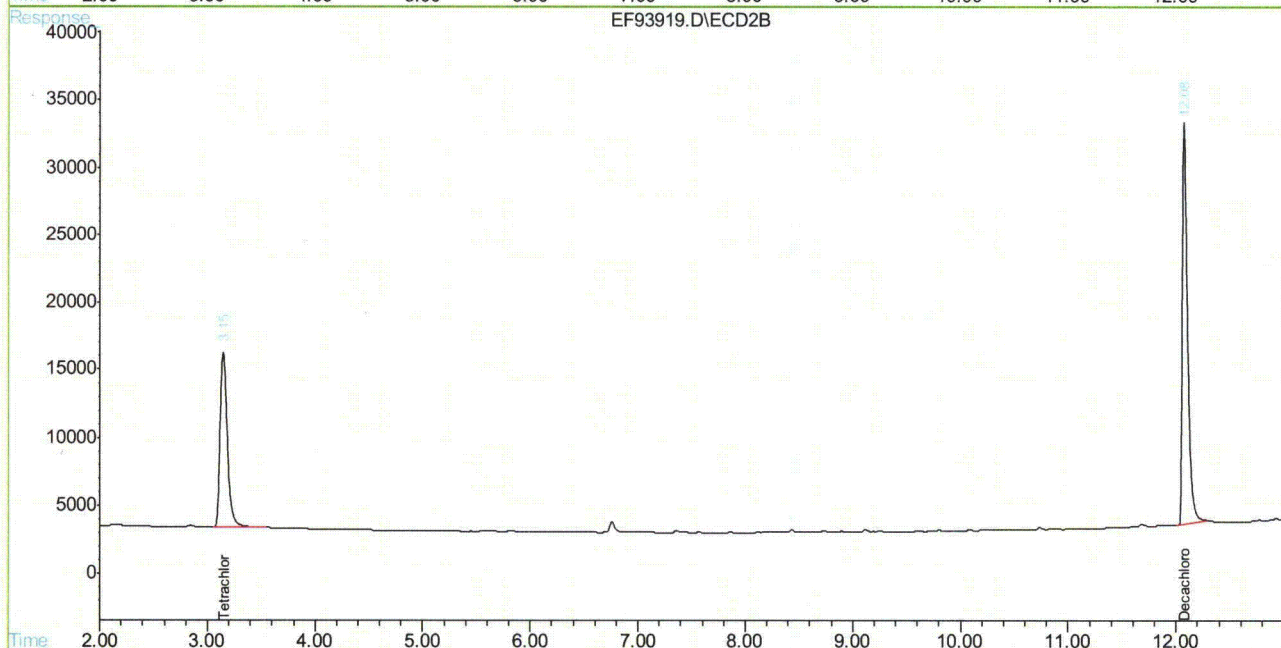
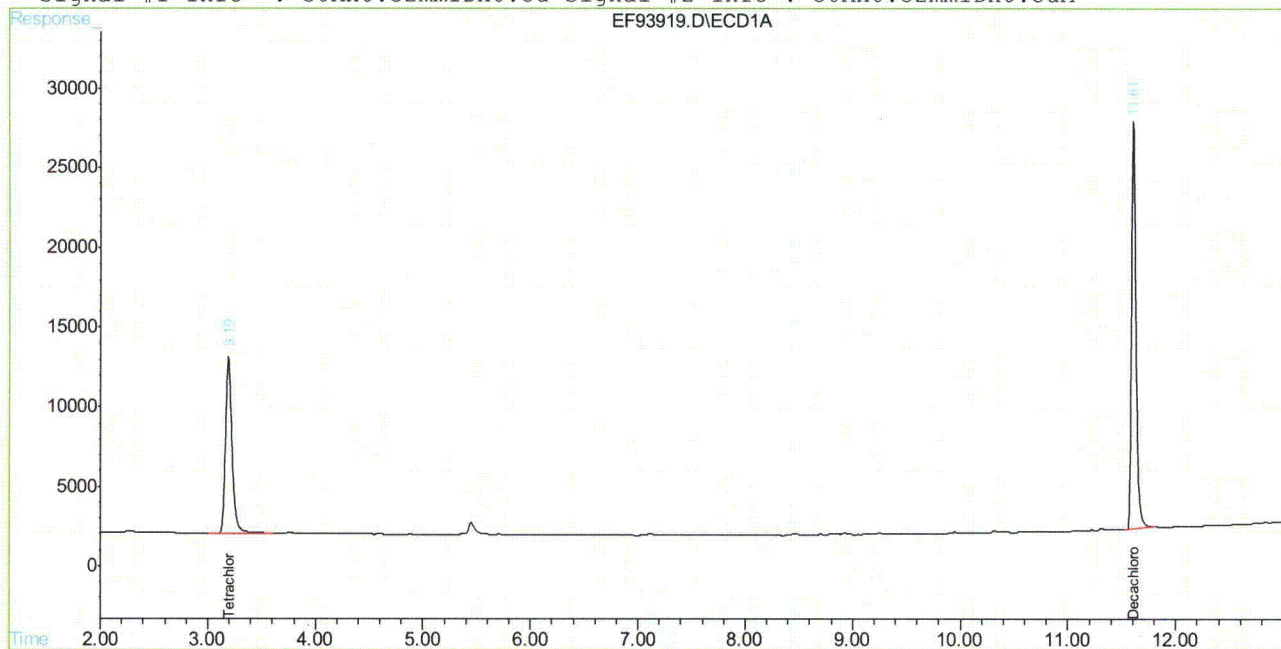
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
EF93919.D PCB4061.M Thu Nov 04 11:11:31 2010 GCEF

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93919.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93919.D\ECD2B.CH
Acq On : 28 Oct 2010 5:45 pm Operator: vinced
Sample : ja58900-2 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 11:11 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Wed Oct 27 15:03:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM



EF93919.D PCB4061.M

Thu Nov 04 11:11:32 2010

GCEF

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93913.D\ECD1A.CH Vial: 17
 Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93913.D\ECD2B.CH
 Acq On : 28 Oct 2010 3:58 pm Operator: vinced
 Sample : ja58900-3 Inst : gcef
 Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 2 12:32 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
 Title : GC/ECD- PCB
 Last Update : Wed Oct 27 15:03:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM

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

System Monitoring Compounds						
1) S Tetrachloro-m-xy	3.20	3.15	527602	673797	34.743	35.656
Spiked Amount	40.000		Recovery	=	86.86%	89.14%
51) S Decachlorobiphen	11.61	12.08	781363	1021079	45.923	47.840
Spiked Amount	40.000		Recovery	=	114.81%	119.60%

Target Compounds

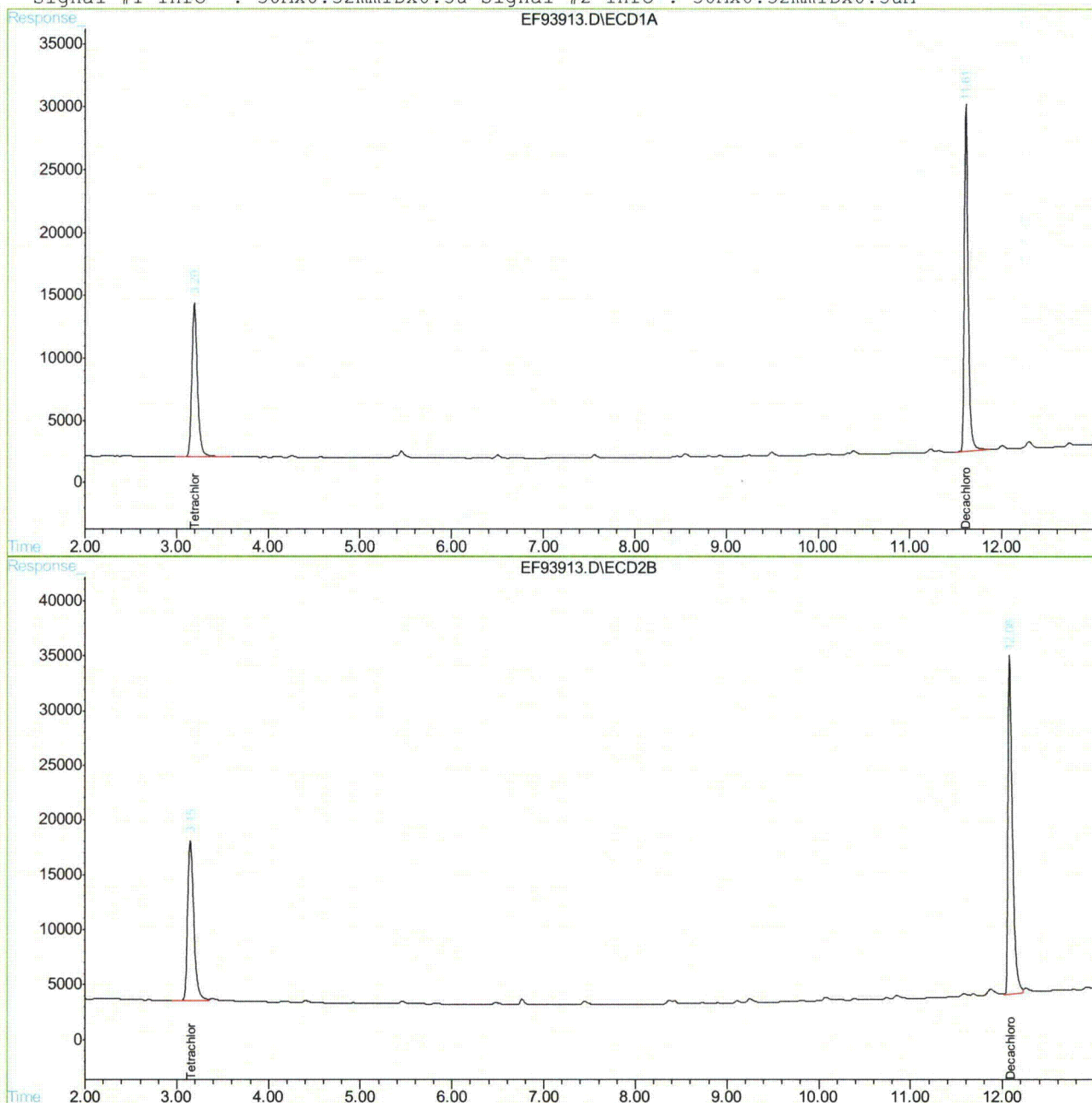
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 EF93913.D PCB4061.M Thu Nov 04 11:09:24 2010 GCEF

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93913.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93913.D\ECD2B.CH
Acq On : 28 Oct 2010 3:58 pm Operator: vinced
Sample : ja58900-3 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 12:32 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Wed Oct 27 15:03:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM



EF93913.D PCB4061.M

Thu Nov 04 11:09:25 2010

GCEF

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93920.D\ECD1A.CH Vial: 24
 Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93920.D\ECD2B.CH
 Acq On : 28 Oct 2010 6:02 pm Operator: vinced
 Sample : ja58900-4 Inst : gcef
 Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 4 11:11 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
 Title : GC/ECD- PCB
 Last Update : Wed Oct 27 15:03:37 2010
 Response via : Initial Calibration
 DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
 Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM

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

System Monitoring Compounds						
1) S Tetrachloro-m-xy	3.19	3.14	464694	594422	30.600	31.456
Spiked Amount	40.000		Recovery	=	76.50%	78.64%
51) S Decachlorobiphen	11.61	12.08	766118	1052547	45.027	49.315
Spiked Amount	40.000		Recovery	=	112.57%	123.29%

Target Compounds

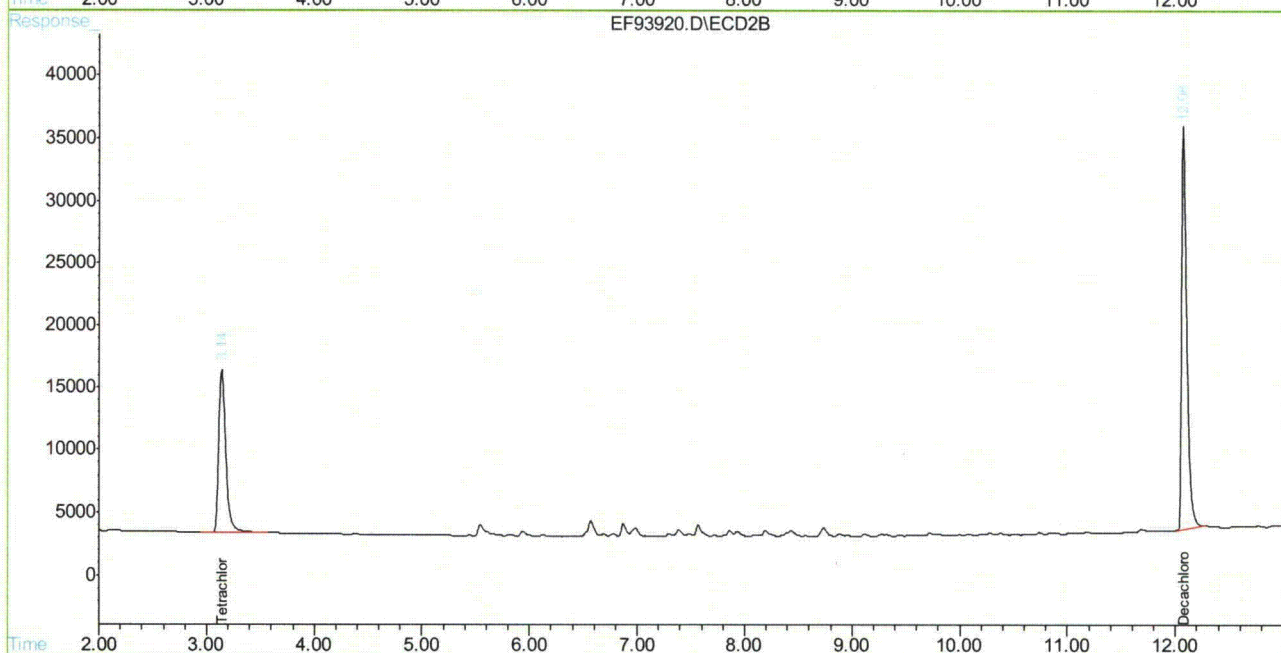
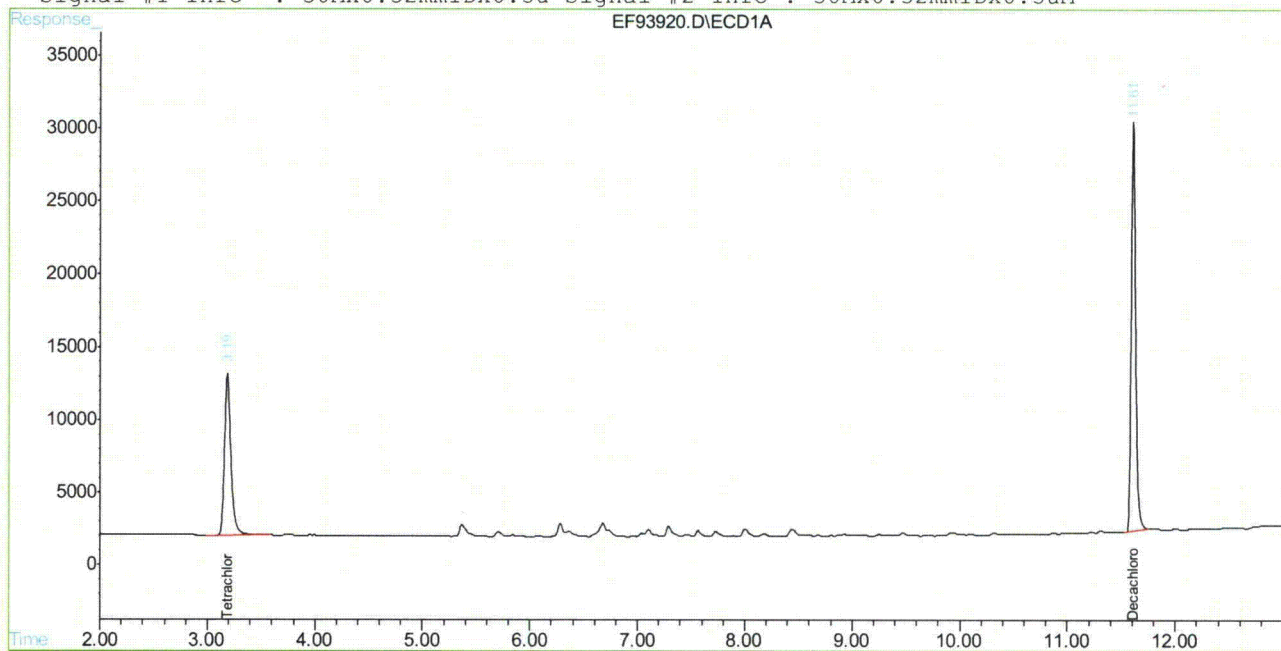
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 EF93920.D PCB4061.M Thu Nov 04 11:11:59 2010 GCEF

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GEF4072\EF93920.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\GEF4072\EF93920.D\ECD2B.CH
Acq On : 28 Oct 2010 6:02 pm Operator: vinced
Sample : ja58900-4 Inst : gcef
Misc : OP46374,GEF4072,17.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 4 11:11 2010 Quant Results File: PCB4061.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB4061.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Wed Oct 27 15:03:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : PCB4061.M

Volume Inj. : 1UL/COLUMN
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2
Signal #1 Info : 30Mx0.32mmIDx0.5u Signal #2 Info : 30Mx0.32mmIDx0.5uM



EF93920.D PCB4061.M

Thu Nov 04 11:12:00 2010

GCEF

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1849\3G50216.D\ECD1A.CH Vial: 7
 Signal #2 : C:\MSDCHEM\1\DATA\1849\3G50216.D\ECD2B.CH
 Acq On : 10-22-2010 04:08:07 PM Operator: toyar
 Sample : ja58900-5 Inst : GC3G
 Misc : OP46259,g3g1849,910,,,10,1 Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Oct 25 09:12:39 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
 Title :
 Last Update : Mon Oct 25 09:04:50 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	2.29	2.15	647.5E6	495.5E6	25.842	26.872
Spiked Amount 40.000			Recovery	=	64.61%	67.18%
50) S Decachlorobiphen	9.01	9.23	308.1E6	190.8E6	13.039	13.960
Spiked Amount 40.000			Recovery	=	32.60%	34.90%

Target Compounds

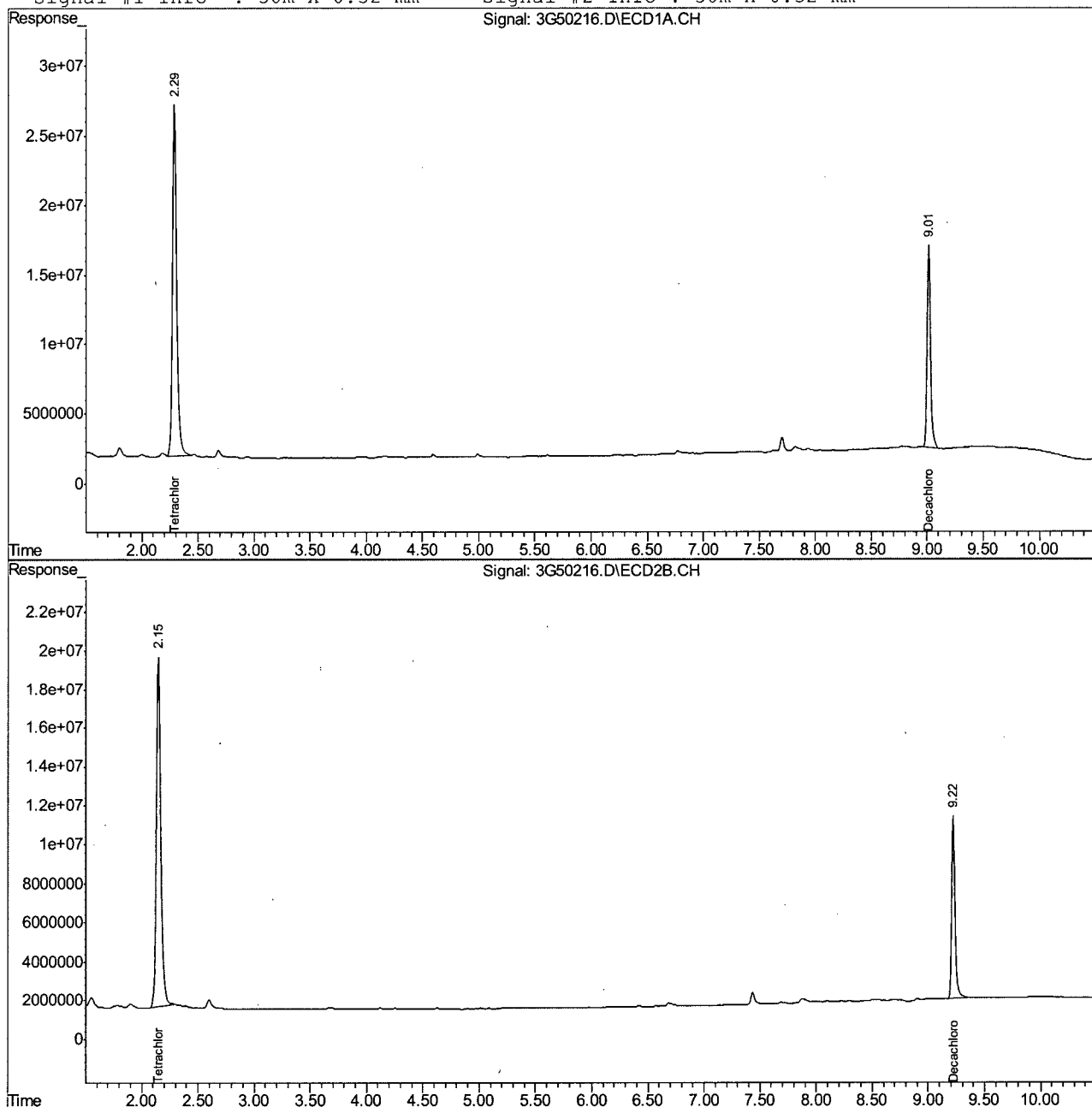
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 3G50216.D PCB1826.M Mon Oct 25 09:12:56 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1849\3G50216.D\ECD1A.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\1849\3G50216.D\ECD2B.CH
Acq On : 10-22-2010 04:08:07 PM Operator: toyar
Sample : ja58900-5 Inst : GC3G
Misc : OP46259,g3g1849,910,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 25 9:12 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 09:04:50 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



3G50216.D PCB1826.M

Mon Oct 25 09:12:56 2010

GC3G

Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1849\3G50217.D\ECD1A.CH Vial: 8
Signal #2 : C:\MSDCHEM\1\DATA\1849\3G50217.D\ECD2B.CH
Acq On : 10-22-2010 04:23:11 PM Operator: toyar
Sample : ja58900-6 Inst : GC3G
Misc : OP46259,g3g1849,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 25 09:13:00 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 09:04:50 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	2.29	2.15	808.7E6	634.2E6	32.275	34.395
Spiked Amount 40.000			Recovery	=	80.69%	85.99%
50) S Decachlorobiphen	9.01	9.22	679.7E6	418.3E6	28.762	30.607
Spiked Amount 40.000			Recovery	=	71.91%	76.52%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
3G50217.D PCB1826.M Mon Oct 25 09:13:14 2010 GC3G

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1849\3G50217.D\ECD1A.CH Vial: 8
Signal #2 : C:\MSDCHEM\1\DATA\1849\3G50217.D\ECD2B.CH
Acq On : 10-22-2010 04:23:11 PM Operator: toyar
Sample : ja58900-6 Inst : GC3G
Misc : OP46259,g3g1849,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Oct 25 9:13 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 25 09:04:50 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

