US EPA Region 10 Laboratory

Multi Analyte Verification Report

4/15/2016

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124000**
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 29

Initial Amount: ~~40 mL~~ NA MR 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 9:19 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	72	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	92	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124001**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 38

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/5/16 2:32 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	67	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	69	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124001**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 53

Initial Amount: ~~40 mL~~ NA CR 4/18/16 **Weight Basis:** Dry **Suffix:** D1

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 10 **Analyzed:** 4/5/16 10:45 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
5	53469219	PCB-1242	Target	170	ug		25ug

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124002
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 30

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 9:54 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	80	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	96	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124003
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 46

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/5/16 7:09 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

CP 4/18/16

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	76	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	~~262~~	~~%Rec~~		

NA no unit

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124003**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 55

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:** D1

Final Amount: 100 mL CP 4/18/16 **%Solids:** * 100

Dilution Factor: 100 **Analyzed:** 4/5/16 11:55 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
5	53469219	PCB-1242	Target	9300	ug		250ug

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124004

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 6

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/13/16 11:55 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-041316

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
8	11096825	PCB-1260	Target	15	ug		2.5ug

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124004
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 42

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/5/16 4:50 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	67	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	13	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	81	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124005**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 43

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/5/16 5:25 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	68	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	25	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	87	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124006**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 33

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/4/16 11:38 pm

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	68	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	7.3	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	68	%Rec		

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124007
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 5

Initial Amount: ~~40 mL~~ NA cR 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/13/16 11:20 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-041316

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
8	11096825	PCB-1260	Target	6.1	ug		2.5ug

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124007
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 44

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/5/16 6:00 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	69	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	91	%Rec		

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124007
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 54

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:** D1
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 10 **Analyzed:** 4/5/16 11:20 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
5	53469219	PCB-1242	Target	240	ug		25ug

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124008
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 32

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 11:04 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	59	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	7.1	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	69	%Rec		

US EPA Region 10 Laboratory

Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124009**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 34

Initial Amount: ~~40 mL~~ NA CR 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/5/16 12:13 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	69	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	69	%Rec		

US EPA Region 10 Laboratory

Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124010

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 39

Initial Amount: ~~40 mL~~ NA 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/5/16 3:06 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	71	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	5.4	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	61	%Rec		

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** **16124011**

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample

Project Officer: Michelle Mullin **Matrix:** Wipe/Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:

Received: 3/24/16 Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 4

Initial Amount: ~~40 mL~~ NA CG 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 100 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/13/16 10:46 am

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-041316

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
8	11096825	PCB-1260	Target	4.3	ug		2.5ug

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Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124011
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 40

Initial Amount: ~~40 mL~~ NA CR 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/5/16 3:41 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	80	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	5.3	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	56	%Rec		

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124012
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/22/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 41

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL GR 4/18/16 **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/5/16 4:15 am
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040516

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	77	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	7.1	ug		2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	62	%Rec		

US EPA Region 10 Laboratory

Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 16124013
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Sample
Project Officer: Michelle Mullin **Matrix:** Wipe/Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: 3/23/16 Prepped: 3/30/16 Released:
Received: 3/24/16 Reviewed:
Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 31

Initial Amount: ~~40 mL~~ NA **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL MP 4/18/16 **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 10:29 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	79	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	91	%Rec		

US EPA Region 10 Laboratory

Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 92O033016B1
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Blank
Project Officer: Michelle Mullin **Matrix:** Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: Prepped: 3/30/16 Released:
Received: Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 26

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 100 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 7:35 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	66	%Rec		
2	11104282	PCB-1221	Target	2.5	ug	U	2.5ug
3	11141165	PCB-1232	Target	2.5	ug	U	2.5ug
4	12674112	PCB-1016	Target	2.5	ug	U	2.5ug
5	53469219	PCB-1242	Target	2.5	ug	U	2.5ug
6	12672296	PCB-1248	Target	2.5	ug	U	2.5ug
7	11097691	PCB-1254	Target	2.5	ug	U	2.5ug
8	11096825	PCB-1260	Target	2.5	ug	U	2.5ug
9	2051243	PCB Congener 209	Surrogate	78	%Rec		

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 92O033016L1
Project Name: SKY VALLEY EDUCATION CENTER **Type:** Lab Control Std
Project Officer: Michelle Mullin **Matrix:** Swab
Account Code: 20162017B10P501E50 **Container ID :**

Collected: Prepped: 3/30/16 Released:
Received: Reviewed:
Promised:
VERIFIED ___/___/___ _____ **Analysis Seq :** 27

Initial Amount: ~~40 mL~~ NA CP 4/18/16 **Weight Basis:** Dry **Suffix:**
Final Amount: 10 mL **%Solids:** * 100
Dilution Factor: 1 **Analyzed:** 4/4/16 8:10 pm
Method: 8082A Polychlorinated Biphenyls by GC/ECD
Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	72	%Rec		
4	12674112	PCB-1016	Spike	76	%Rec		0.25ug
8	11096825	PCB-1260	Spike	82	%Rec		0.25ug
9	2051243	PCB Congener 209	Surrogate	81	%Rec		

US EPA Region 10 Laboratory

Multi Analyte Verification Report

Project Code: OCE-009A **Parameter:** PCB **Sample ID:** 92O033016L2

Project Name: SKY VALLEY EDUCATION CENTER **Type:** Lab Control Std Dup.

Project Officer: Michelle Mullin **Matrix:** Swab

Account Code: 20162017B10P501E50 **Container ID :**

Collected: Prepped: 3/30/16 Released:

Received: Reviewed:

Promised:

VERIFIED ___/___/___ _____ **Analysis Seq :** 28

Initial Amount: ~~40 mL~~ NA 4/18/16 **Weight Basis:** Dry **Suffix:**

Final Amount: 10 mL **%Solids:** * 100

Dilution Factor: 1 **Analyzed:** 4/4/16 8:45 pm

Method: 8082A Polychlorinated Biphenyls by GC/ECD

Anl. Batch: A-8082A-MINERVA-DWO-040416

	Analyte Code	Analyte Name	Res Type	Result	Units	Qlfr	RL
1	877098	Tetrachlorometaxylene	Surrogate	65	%Rec		
4	12674112	PCB-1016	Spike	76	%Rec		0.25ug
8	11096825	PCB-1260	Spike	82	%Rec		0.25ug
9	2051243	PCB Congener 209	Surrogate	76	%Rec		

- Analyst Case Narrative

Analytical Narrative

DATE: April 15, 2016

TO: Chris Pace, Organic Chemistry Technical Lead, USEPA, Region 10

FROM: Doug Wood, Chemist, USEPA, Region 10 DW

SUBJECT: Analyst Report of PCB Analysis Week 12

Project Name: Sky Valley Education Center PCB Inspection
Project Code: OCE-009A
Account Code: 20162017B10P501E50

Samples

16124000	16124001	16124002	16124003	16124004	16124005	16124006
16124007	16124008	16124009	16124010	16124011	16124012	16124013

Analyst Report

The samples were extracted using SOP OR_P042A. Analysis was performed according to OR_A8082A on an Agilent 6890 GC with dual Electron Capture Detectors. A 2 µL injection was used for all samples, blanks, and standards.
Column 1 was used for quantitation of all samples.

All samples were concentrated to a final volume of 10mL. A 1mL aliquot of each extract was removed and treated with concentrated sulfuric acid followed by treatment with copper powder. After the initial run, the samples were diluted to 100mL and re-run, with the exception of 92O033016L1 and L2 which were analyzed at a 10mL final volume.
All surrogate recoveries were calculated using the initial run performed on 4/4/16. The recovery for the surrogate DCB in sample 16124003 was high due to a large amount of late eluting compounds in the sample. The sample was analyzed a second time on 4/13/16 with the same result.
The continuing calibration run at the end of the sequence was high for aroclors 1016 and 1260. Samples 16124004, 16124007 and 16124011 which had detects of aroclor 1260 were re-analyzed on 4/13/16 between acceptable continuing calibrations.
A second batch labeled M040416PCB1242dw was created from batch M040416PCBdw to make it easier to separate the aroclor 1242 analysis from the 1016/1260 analysis.

No further problems encountered with this sample set.

Manual integrations were performed by the analyst in cases where the data processing system failed to identify a peak or, in the professional judgment of the analyst, the peak was not accurately integrated by the data processing system due to such problems as including too much baseline, shoulder peaks, splitting a peak, etc. Compounds that required manual integrations are clearly identified and verified in the Target Compound Summary reports. All resulting peak integrations are clearly displayed in the data package for review.

- Batch Summaries, by analytical batch
    a. Analysis log (Macro – Print Analysis Log)
    b. Sequence
    c. IS/SS Summaries (ConCal – QA Check Rpt)

Analysis Log Analyst: DWOOD Signature: _____ Date _____

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
04 Apr 2016 8:50 am	M040416pcb01.D	Hexane	Hexane Blank	
04 Apr 2016 9:15 am	M040416pcb02.D	10161260condition50	condition 1016/1260 2500 pg/uL	
04 Apr 2016 9:39 am	M040416pcb03.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 10:04 am	M040416pcb04.D	87PCB032916A	PCB 1016/1260 ICAL 25 pg/uL	
04 Apr 2016 10:28 am	M040416pcb05.D	87PCB032916B	PCB 1016/1260 ICAL 50 pg/uL	
04 Apr 2016 10:53 am	M040416pcb06.D	87PCB032916C	PCB 1016/1260 ICAL 100 pg/uL	
04 Apr 2016 11:18 am	M040416pcb07.D	87PCB032916D	PCB 1016/1260 ICAL 250 pg/uL	
04 Apr 2016 11:42 am	M040416pcb08.D	87PCB032916E	PCB 1016/1260 ICAL 500 pg/uL	
04 Apr 2016 12:07 pm	M040416pcb09.D	87PCB032916F	PCB 1016/1260 ICAL 1000 pg/uL	
04 Apr 2016 12:32 pm	M040416pcb10.D	87PCB012016A	SSV 1016 100pg/uL	
04 Apr 2016 12:56 pm	M040416pcb11.D	87PCB012016G	SSV 1260 100pg/uL	
04 Apr 2016 1:21 pm	M040416pcb12.D	87PCB021116B	PCB 1242 ICAL 25 pg/uL	
04 Apr 2016 1:45 pm	M040416pcb13.D	87PCB021116C	PCB 1242 ICAL 50 pg/uL	
04 Apr 2016 2:10 pm	M040416pcb14.D	87PCB021116D	PCB 1242 ICAL 100 pg/uL	
04 Apr 2016 2:35 pm	M040416pcb15.D	87PCB021116E	PCB 1242 ICAL 250 pg/uL	
04 Apr 2016 2:59 pm	M040416pcb16.D	87PCB021116F	PCB 1242 ICAL 500 pg/uL	
04 Apr 2016 3:24 pm	M040416pcb17.D	87PCB021116G	PCB 1242 ICAL 1000 pg/uL	
04 Apr 2016 3:48 pm	M040416pcb18.D	87PCB020816C	SSV 1242 100pg/uL	
04 Apr 2016 4:13 pm	M040416pcb19.D	87PCB020816A	SSV 1221 200pg/uL	
04 Apr 2016 4:38 pm	M040416pcb20.D	87PCB020816B	SSV 1232 100pg/uL	
04 Apr 2016 5:02 pm	M040416pcb21.D	87PCB020816D	SSV 1248 100pg/uL	
04 Apr 2016 5:27 pm	M040416pcb22.D	87PCB020816E	SSV 1254 100pg/uL	
04 Apr 2016 5:51 pm	M040416pcb23.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 6:26 pm ✓	M040416pcb24.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
04 Apr 2016 7:01 pm ✓	M040416pcb25.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
04 Apr 2016 7:35 pm	M040416pcb26.D	920033016B1 ✓	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 8:10 pm	M040416pcb27.D	920033016L1 ✓	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 8:45 pm	M040416pcb28.D	920033016L2 ✓	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 9:19 pm	M040416pcb29.D	16124000 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 9:54 pm	M040416pcb30.D	16124002 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 10:29 pm	M040416pcb31.D	16124013 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:04 pm	M040416pcb32.D	16124008 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:38 pm	M040416pcb33.D	16124006 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:13 am	M040416pcb34.D	16124009 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:47 am	M040416pcb35.D	87PCB011916J	Instrument Blank 100pg/ul	
05 Apr 2016 1:22 am ✓	M040416pcb36.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
05 Apr 2016 1:57 am ✓	M040416pcb37.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
05 Apr 2016 2:32 am	M040416pcb38.D	16124001 ✓ 16/60	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:06 am	M040416pcb39.D	16124010 ✓ 16/60,42	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:41 am	M040416pcb40.D	16124011 ✓ 1242	Sky Valley PCB Wipe 100mL fv	

Analysis Log Analyst: DWOOD

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
05 Apr 2016 4:15 am	M040416pcb41.D	16124012 ✓42, 16/60	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 4:50 am	M040416pcb42.D	16124004 ✓42	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 5:25 am	M040416pcb43.D	16124005 ✓42, 16/60	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 6:00 am	M040416pcb44.D	16124007 ✓ Surr. only	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 6:34 am	M040416pcb45.D	Hexane	Hexane Blank	
05 Apr 2016 7:09 am	M040416pcb46.D	16124003 ✓16/60	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 7:43 am	M040416pcb47.D	Hexane	Hexane Blank	
05 Apr 2016 8:18 am	M040416pcb48.D	87PCB011916J	Instrument Blank 100pg/ul	
05 Apr 2016 8:53 am	M040416pcb49.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
05 Apr 2016 9:28 am ✓	M040416pcb50.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
05 Apr 2016 9:55 am ✓	M040416pcb51.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
05 Apr 2016 10:25 am	M040416pcb52.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
05 Apr 2016 10:45 am	M040416pcb53.D	16124001 ✓42	Sky Valley PCB Wipe 1000mL fv	
05 Apr 2016 11:20 am	M040416pcb54.D	16124007 ✓42	Sky Valley PCB Wipe 1000mL fv	
05 Apr 2016 11:55 am	M040416pcb55.D	16124003 ✓42	Sky Valley PCB Wipe 10,000mL fv	
05 Apr 2016 12:29 pm	M040416pcb56.D	87PCB011916J	Instrument Blank 100pg/ul	
05 Apr 2016 1:04 pm ✓	M040416pcb57.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	

Analysis Log Analyst: DWOOD Signature:_____ Date _____

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
13 Apr 2016 9:02 am	M041316pcb01.D	Hexane	Hexane Blank	
13 Apr 2016 9:36 am	M041316pcb02.D	87PCB011916J	Instrument Blank 100pg/ul	
13 Apr 2016 10:11 am	M041316pcb03.D	87PCB041116A	PCB 1016/1260 Cont Cal 100 pg/uL	
13 Apr 2016 10:46 am	M041316pcb04.D	16124011 16/60	Sky Valley PCB Wipe 100mL fv	
13 Apr 2016 11:20 am	M041316pcb05.D	16124007 16/60	Sky Valley PCB Wipe 100mL fv	
13 Apr 2016 11:55 am	M041316pcb06.D	16124004 16/60	Sky Valley PCB Wipe 100mL fv	
13 Apr 2016 12:30 pm	M041316pcb07.D	Hexane	Hexane Blank	
13 Apr 2016 13:19 pm	M041316pcb08.D	16124003	Sky Valley PCB Wipe 100mL fv	
13 Apr 2016 13:54 pm	M041316pcb09.D	Hexane	Hexane Blank	
13 Apr 2016 14:28 pm	M041316pcb10.D	Hexane	Hexane Blank	
13 Apr 2016 15:03 pm	M041316pcb11.D	87PCB011916J	Instrument Blank 100pg/ul	
13 Apr 2016 15:38 pm	M041316pcb12.D	87PCB041116A	PCB 1016/1260 Cont Cal 100 pg/uL	

- ICAL Packet
  a. WWCAL (COD, %D summaries) (@Cmd Line – WWCAL)
  b. Macro Reports (Macro – ICAL Reports)
     i. Residual summary (-Print Accuracy)
     ii. Macro COD/%D report (- Include RF Report)
     iii. Accuracy of RTs (- Include RT)
     iv. Curves (- Print Curves)
  c. Individual Standards comprising curve
     i. Quan Report (Quant – Generate Report – Summary)
     ii. Peak Graphics (@Cmd Line – Thumbnail or Multithumb)
  d. SSCV
     i. %D Summary Report (Custom/Excel Report)
     ii. Quan Report (Quant – Generate Report – Summary)
     iii. Peak Graphics (@Cmd Line – Thumbnail)

Analysis Log Analyst: DWOOD Signature:_____ Date _____

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
04 Apr 2016 8:50 am	M040416pcb01.D	Hexane	Hexane Blank	
04 Apr 2016 9:15 am	M040416pcb02.D	10161260condition50	condition 1016/1260 2500 pg/uL	
04 Apr 2016 9:39 am	M040416pcb03.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 10:04 am	M040416pcb04.D	87PCB032916A	PCB 1016/1260 ICAL 25 pg/uL	
04 Apr 2016 10:28 am	M040416pcb05.D	87PCB032916B	PCB 1016/1260 ICAL 50 pg/uL	
04 Apr 2016 10:53 am	M040416pcb06.D	87PCB032916C	PCB 1016/1260 ICAL 100 pg/uL	
04 Apr 2016 11:18 am	M040416pcb07.D	87PCB032916D	PCB 1016/1260 ICAL 250 pg/uL	
04 Apr 2016 11:42 am	M040416pcb08.D	87PCB032916E	PCB 1016/1260 ICAL 500 pg/uL	
04 Apr 2016 12:07 pm	M040416pcb09.D	87PCB032916F	PCB 1016/1260 ICAL 1000 pg/uL	
04 Apr 2016 12:32 pm	M040416pcb10.D	87PCB012016A	SSV 1016 100pg/uL	
04 Apr 2016 12:56 pm	M040416pcb11.D	87PCB012016G	SSV 1260 100pg/uL	
04 Apr 2016 1:21 pm	M040416pcb12.D	87PCB021116B	PCB 1242 ICAL 25 pg/uL	
04 Apr 2016 1:45 pm	M040416pcb13.D	87PCB021116C	PCB 1242 ICAL 50 pg/uL	
04 Apr 2016 2:10 pm	M040416pcb14.D	87PCB021116D	PCB 1242 ICAL 100 pg/uL	
04 Apr 2016 2:35 pm	M040416pcb15.D	87PCB021116E	PCB 1242 ICAL 250 pg/uL	
04 Apr 2016 2:59 pm	M040416pcb16.D	87PCB021116F	PCB 1242 ICAL 500 pg/uL	
04 Apr 2016 3:24 pm	M040416pcb17.D	87PCB021116G	PCB 1242 ICAL 1000 pg/uL	
04 Apr 2016 3:48 pm	M040416pcb18.D	87PCB020816C	SSV 1242 100pg/uL	
04 Apr 2016 4:13 pm	M040416pcb19.D	87PCB020816A	SSV 1221 200pg/uL	
04 Apr 2016 4:38 pm	M040416pcb20.D	87PCB020816B	SSV 1232 100pg/uL	
04 Apr 2016 5:02 pm	M040416pcb21.D	87PCB020816D	SSV 1248 100pg/uL	
04 Apr 2016 5:27 pm	M040416pcb22.D	87PCB020816E	SSV 1254 100pg/uL	
04 Apr 2016 5:51 pm	M040416pcb23.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 6:26 pm	M040416pcb24.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
04 Apr 2016 7:01 pm	M040416pcb25.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
04 Apr 2016 7:35 pm	M040416pcb26.D	92O033016B1	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 8:10 pm	M040416pcb27.D	92O033016L1	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 8:45 pm	M040416pcb28.D	92O033016L2	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 9:19 pm	M040416pcb29.D	16124000	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 9:54 pm	M040416pcb30.D	16124002	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 10:29 pm	M040416pcb31.D	16124013	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:04 pm	M040416pcb32.D	16124008	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:38 pm	M040416pcb33.D	16124006	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:13 am	M040416pcb34.D	16124009	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:47 am	M040416pcb35.D	87PCB011916J	Instrument Blank 100pg/ul	
05 Apr 2016 1:22 am	M040416pcb36.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
05 Apr 2016 1:57 am	M040416pcb37.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
05 Apr 2016 2:32 am	M040416pcb38.D	16124001	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:06 am	M040416pcb39.D	16124010	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:41 am	M040416pcb40.D	16124011	Sky Valley PCB Wipe 100mL fv	

Complete Initial Calibration with Lower Darby Creek SFP-090E Week 1

Analysis Log Analyst: DWOOD

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
05 Apr 2016 4:15 am	M040416pcb41.D	16124012	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 4:50 am	M040416pcb42.D	16124004	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 5:25 am	M040416pcb43.D	16124005	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 6:00 am	M040416pcb44.D	16124007	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 6:34 am	M040416pcb45.D	Hexane	Hexane Blank	.
05 Apr 2016 7:09 am	M040416pcb46.D	16124003	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 7:43 am	M040416pcb47.D	Hexane	Hexane Blank	.
05 Apr 2016 8:18 am	M040416pcb48.D	87PCB011916J	Instrument Blank 100pg/ul	.
05 Apr 2016 8:53 am	M040416pcb49.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	.
05 Apr 2016 9:28 am	M040416pcb50.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.
05 Apr 2016 9:55 am	M040416pcb51.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	.
05 Apr 2016 10:25 am	M040416pcb52.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.
05 Apr 2016 10:45 am	M040416pcb53.D	16124001	Sky Valley PCB Wipe 1000mL fv	.
05 Apr 2016 11:20 am	M040416pcb54.D	16124007	Sky Valley PCB Wipe 1000mL fv	.
05 Apr 2016 11:55 am	M040416pcb55.D	16124003	Sky Valley PCB Wipe 10,000mL fv	.
05 Apr 2016 12:29 pm	M040416pcb56.D	87PCB011916J	Instrument Blank 100pg/ul	.
05 Apr 2016 1:04 pm	M040416pcb57.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.

Calibration Report Minerva

Method Path : J:\Organics\Minerva\Methods\
Method File : M040416PCB.M
Title : AROCLOR 1016/1260 ANALYSIS
Last Update : Mon Apr 04 13:34:11 2016
Response Via : Initial Calibration

Calibration Files
1000=M040416pcb09 500 =M040416pcb08 250 =M040416pcb07 100 =M040416pcb06 50 =M040416pcb0!
25 =M040416pcb04

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S1	tmx (1)	Lin	2.8698 e4	3.4042 e4	-----	0.9975
2) L1	1016 -1	Lin	8.9310 e3	8.5011 e2	-----	0.9923
3) L1	1016-2	Lin	7.4694 e3	7.4569 e2	-----	0.9946
4) L1	1016-3	Lin	8.4308 e3	9.4235 e2	-----	0.9958
5) L1	1016-4	Lin	3.6947 e3	6.4366 e2	-----	0.9982
6) L1	1016-5	Lin	6.1940 e3	7.0527 e2	-----	0.9973
7) L2	1260-1	Lin	1.4668 e4	1.6393 e3	-----	0.9969
8) L2	1260-2	Lin	1.2768 e4	1.6503 e3	-----	0.9983
9) L2	1260-3	Lin	9.0315 e3	1.2512 e3	-----	0.9965
10) L2	1260-4	Lin	1.0156 e4	1.1949 e3	-----	0.9984
11) L2	1260-5	Lin	2.2212 e4	2.5910 e3	-----	0.9978
12) S1	dcb	Lin	1.6542 e4	2.0625 e4	-----	0.9986

;ignal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S2	tmx (1)	Lin	4.7905 e3	2.6839 e4	-----	0.9992
2) L1	1016 -1	Lin	4.0960 e3	4.5313 e2	-----	0.9980
3) L1	1016-2	Lin	5.5556 e3	7.4466 e2	-----	0.9980
4) L1	1016-3	Lin	4.0378 e3	1.0552 e3	-----	1.0000
5) L1	1016-4	Lin	3.8591 e3	6.1165 e2	-----	0.9997
6) L1	1016-5	Lin	3.2545 e3	5.3024 e2	-----	0.9993
7) L2	1260-1	Lin	5.9465 e3	8.9366 e2	-----	0.9994
8) L2	1260-2	Lin	5.9600 e3	1.2734 e3	-----	0.9983
9) L2	1260-3	Lin	3.1067 e3	1.0198 e3	-----	0.9949
10) L2	1260-4	Lin	4.0873 e3	1.8075 e3	-----	0.9976
11) L2	1260-5	Lin	4.1250 e3	8.5445 e2	-----	0.9922
12) S2	dcb	Lin	9.3060 e3	1.5758 e4	-----	0.9973

M040416PCB.M Wed Apr 06 14:09:48 2016

ICAL Series M040416pcb09.D through M040416pcb04.D
Last Calibration Update Mon Apr 04 13:34:11 2016

	Concentration	0.000	1000.000	500.000	250.000	100.000	50.000	25.000
1	0 tmx (1)		93.76007	49.45777	25.73952	10.52954	5.048076	2.452767
2	0 1016 -1		896.8853	498.4025	255.5392	105.3672	54.33738	23.5932
3	0 1016-2		900.7806	498.7999	260.7597	106.1047	51.45024	24.2134
4	0 1016-3		905.7368	506.9238	259.2587	104.7193	51.00251	24.40344
5	0 1016-4		942.1748	504.1245	252.3204	104.1256	50.92493	24.51359
6	0 1016-5		926.1418	505.3087	261.8019	102.9103	49.761	24.79269
7	0 1260-1		918.4949	511.6614	258.646	103.7102	49.83627	24.7444
8	0 1260-2		942.8764	515.8096	258.5849	99.07275	50.17131	24.92556
9	0 1260-3		914.9312	510.8832	257.8286	104.7693	49.83039	24.69197
10	0 1260-4		941.8642	508.2569	259.8282	100.647	50.07557	24.85802
11	0 1260-5		932.5493	522.4002	253.7831	100.2489	50.7711	24.73994
12	0 dcb		94.99378	50.02656	25.584	10.37701	4.989954	2.476155
13	0 Signal #2							
14	0 tmx (1) #2		97.67534	48.97887	25.79401	10.24731	4.949326	2.493272
15	0 1016 -1 #2		956.0477	487.1173	256.0043	104.6275	51.10059	24.43534
16	0 1016-2 #2		953.9982	486.2989	258.3473	103.6982	51.30958	24.421
17	0 1016-3 #2		1005.707	499.5756	250.3195	99.62014	49.69519	25.09435
18	0 1016-4 #2		995.4483	495.4123	255.0411	100.5883	49.05948	25.16231
19	0 1016-5 #2		1004.173	491.2248	251.2283	102.991	48.57533	25.17634
20	0 1260-1 #2		1004.272	503.7005	251.8891	100.1319	48.10179	25.43549
21	0 1260-2 #2		996.4426	499.0309	259.8874	99.70944	47.18829	25.62671
22	0 1260-3 #2		1038.668	503.2814	255.2701	98.74708	44.64963	26.33088
23	0 1260-4 #2		1014.27	500.485	256.2997	99.9672	46.27293	25.86065
24	0 1260-5 #2		1056.887	508.4405	250.2007	99.14412	43.41965	26.63992
25	0 dcb #2		99.59158	48.98294	25.39643	10.56491	4.6666	2.546866

ICAL Series	M040416pcb09.D		through	M040416pcb04.D			
Last Calibration Update	Mon Apr 04 13:34:11 2016						
		1000.000	500.000	250.000	100.000	50.000	25.000
Analyte	%Difference from expected						
tmx (1)		-6.2	-1.1	3.0	5.3	1.0	-1.9
1016 -1		-10.3	-0.3	2.2	5.4	8.7	-5.6
1016-2		-9.9	-0.2	4.3	6.1	2.9	-3.1
1016-3		-9.4	1.4	3.7	4.7	2.0	-2.4
1016-4		-5.8	0.8	0.9	4.1	1.8	-1.9
1016-5		-7.4	1.1	4.7	2.9	-0.5	-0.8
1260-1		-8.2	2.3	3.5	3.7	-0.3	-1.0
1260-2		-5.7	3.2	3.4	-0.9	0.3	-0.3
1260-3		-8.5	2.2	3.1	4.8	-0.3	-1.2
1260-4		-5.8	1.7	3.9	0.6	0.2	-0.57
1260-5		-6.7	4.5	1.5	0.2	1.5	-1.0
dcb		-5.0	0.1	2.3	3.8	-0.2	-1.0
Signal #2							
tmx (1) #2		-2.3	-2.0	3.2	2.5	-1.0	-0.3
1016 -1 #2		-4.4	-2.6	2.4	4.6	2.2	-2.3
1016-2 #2		-4.6	-2.7	3.3	3.7	2.6	-2.3
1016-3 #2		0.6	-0.1	0.1	-0.4	-0.6	0.4
1016-4 #2		-0.5	-0.9	2.0	0.6	-1.9	0.6
1016-5 #2		0.4	-1.8	0.5	3.0	-2.8	0.7
1260-1 #2		0.4	0.7	0.8	0.1	-3.8	1.7
1260-2 #2		-0.4	-0.2	4.0	-0.3	-5.6	2.5
1260-3 #2		3.9	0.7	2.1	-1.3	-10.7	5.3
1260-4 #2		1.4	0.1	2.5	0.0	-7.5	3.4
1260-5 #2		5.7	1.7	0.1	-0.9	-13.2	6.6
dcb #2		-0.4	-2.0	1.6	5.6	-6.7	1.9

PCB ~~CCV~~ SSV Report

CR 4/18/16

Data File....: M040416pcb10.D
Dataname.....: 87PCB012016A
Analyzed.....: 04/04/2016 12:32

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb10.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

SSV 1016 100pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	6.97	-	m	10	-	-	
	dcb	-	>±1%	17.74	-		10	-	-	
	tmx (1) #2	-	>±1%	5.04	-	m	10	-	-	
	dcb #2	-	>±1%	13.70	-		10	-	-	
Target							Criteria range: <±20%D			
	1016 -1	8.29		8.29	109828		100	119	19	
	1016-2	8.64		8.64	97016		100	120	20	> ±20%
	1016-3	9.29		9.29	123028		100	122	22	> ±20%
	1016-4	9.43		9.43	79187		100	117	17	
	1016-5	10.11		10.11	88275		100	116	16	
	1260-1	-	>±1%	12.91	-		100	-	-	
	1260-2	-	>±1%	13.45	-	m	100	-	-	
	1260-3	-	>±1%	13.76	-		100	-	-	
	1260-4	-	>±1%	14.22	-		100	-	-	
	1260-5	-	>±1%	14.72	-		100	-	-	
	1016 -1 #2	5.58		5.58	50779		100	103	3.0	
	1016-2 #2	6.07		6.07	88944		100	112	12	
	1016-3 #2	6.70		6.70	119241		100	109	9.2	
	1016-4 #2	6.89		6.89	68889		100	106	6.3	
	1016-5 #2	7.46		7.46	58874		100	105	4.9	
	1260-1 #2	-	>±1%	9.30	-		100	-	-	
	1260-2 #2	-	>±1%	9.74	-	m	100	-	-	
	1260-3 #2	-	>±1%	10.20	-		100	-	-	
	1260-4 #2	-	>±1%	11.31	-		100	-	-	
	1260-5 #2	-	>±1%	11.80	-		100	-	-	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	19	
1016 Column 2 (n=5)	7.1	
1260 Column 1 (n=5)	-100	>±20%
1260 Column 2 (n=5)	-100	>±20%

SSV 70-130% CP

PCB ~~CCV~~ Report

4/18/16

Data File....: M040416pcb11.D
Dataname.....: 87PCB012016G
Analyzed.....: 04/04/2016 12:56

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

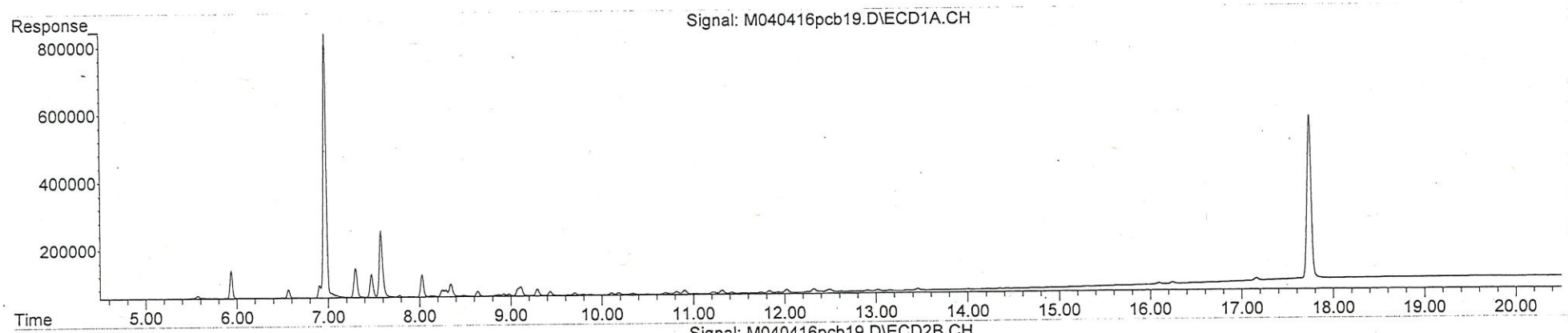
Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb11.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

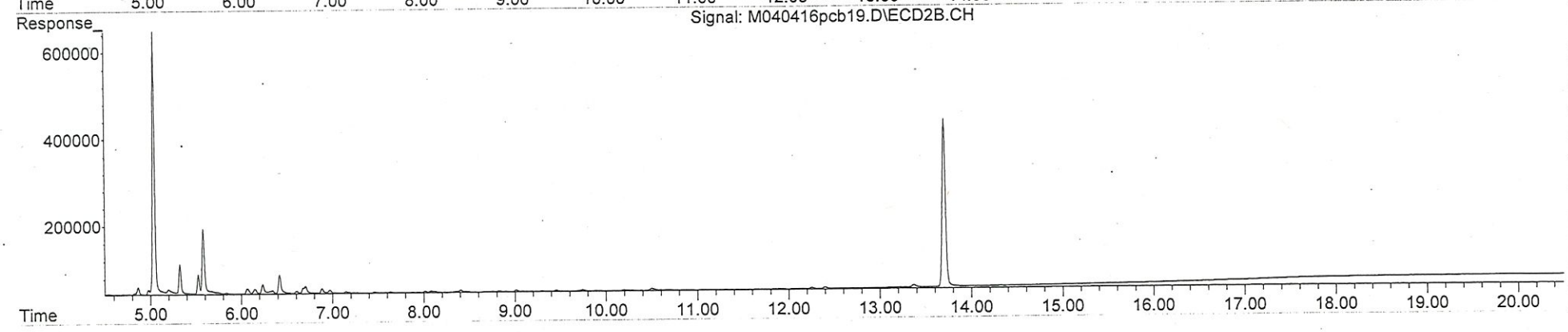
SSV 1260 100pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	6.97	-	m	10	-	-	
	dcb	-	>±1%	17.74	-	m	10	-	-	
	tmx (1) #2	-	>±1%	5.04	-	m	10	-	-	
	dcb #2	-	>±1%	13.70	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1016 -1	-	>±1%	8.29	-		100	-	-	
	1016-2	-	>±1%	8.64	-		100	-	-	
	1016-3	-	>±1%	9.29	-		100	-	-	
	1016-4	-	>±1%	9.43	-		100	-	-	
	1016-5	-	>±1%	10.11	-		100	-	-	
	1260-1	12.91		12.91	206922		100	117	17	
	1260-2	13.45		13.45	223929		100	128	28	> ±20%
	1260-3	13.76		13.76	135831		100	101	1.3	
	1260-4	14.22		14.22	135565		100	105	5.0	
	1260-5	14.72		14.72	293250		100	105	4.6	
	1016 -1 #2	-	>±1%	5.58	-	m	100	-	-	
	1016-2 #2	-	>±1%	6.07	-	m	100	-	-	
	1016-3 #2	-	>±1%	6.70	-	m	100	-	-	
	1016-4 #2	-	>±1%	6.89	-	m	100	-	-	
	1016-5 #2	-	>±1%	7.46	-	m	100	-	-	
	1260-1 #2	9.30		9.30	106741		100	113	13	
	1260-2 #2	9.75		9.74	151977		100	115	15	
	1260-3 #2	10.20		10.20	121589		100	116	16	
	1260-4 #2	11.31		11.31	175232		100	94.7	-5.3	
	1260-5 #2	11.80		11.80	91424		100	102	2.2	

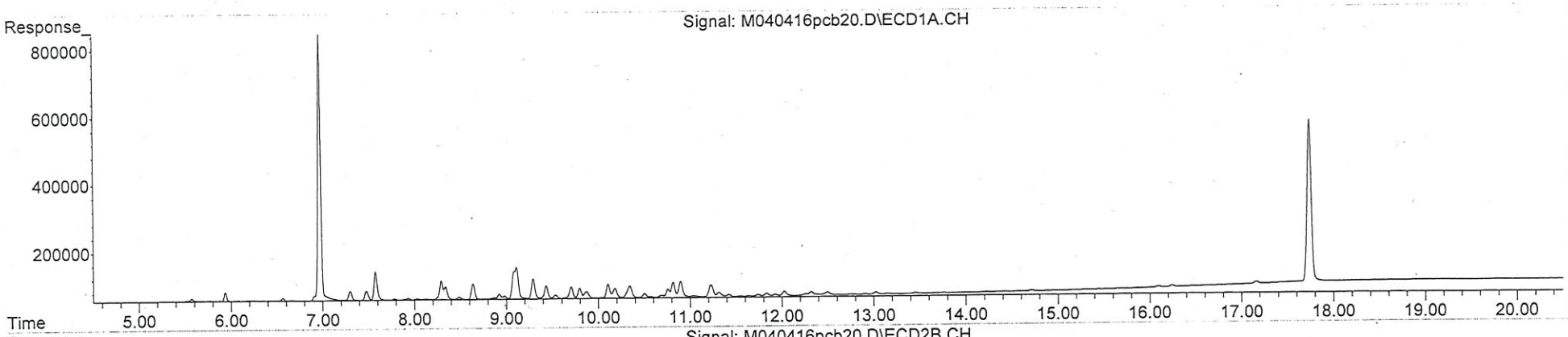
Average %Difference:	%Diff	
1016 Column 1 (n=5)	-100	>±20%
1016 Column 2 (n=5)	-100	>±20%
1260 Column 1 (n=5)	11	
1260 Column 2 (n=5)	8.1	

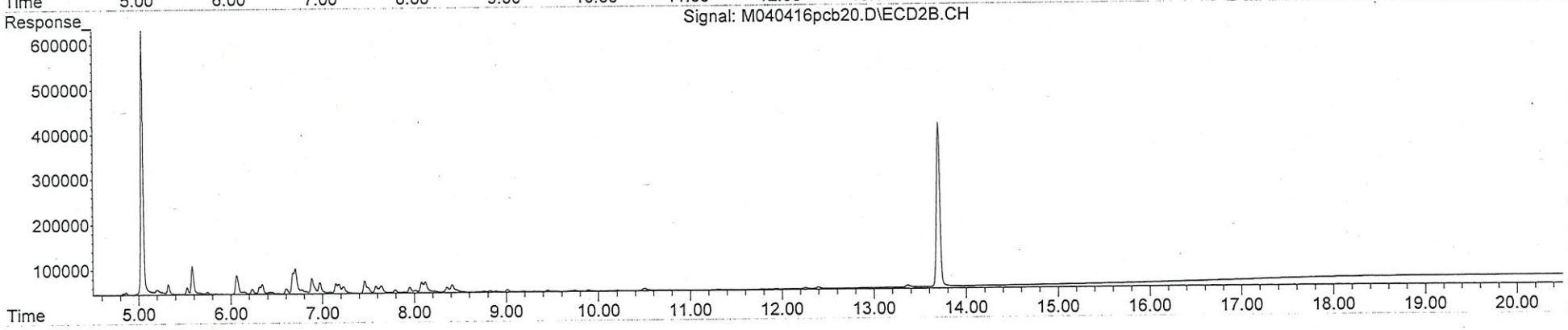
File :J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pc
... b19.D
Operator : DWOOD
Instrument : Minerva
Acquired : 04 Apr 2016 16:13 pm using AcqMethod M012116PCB2B.M
Sample Name: 87PCB020816A
Misc Info : SSV 1221 200pg/uL



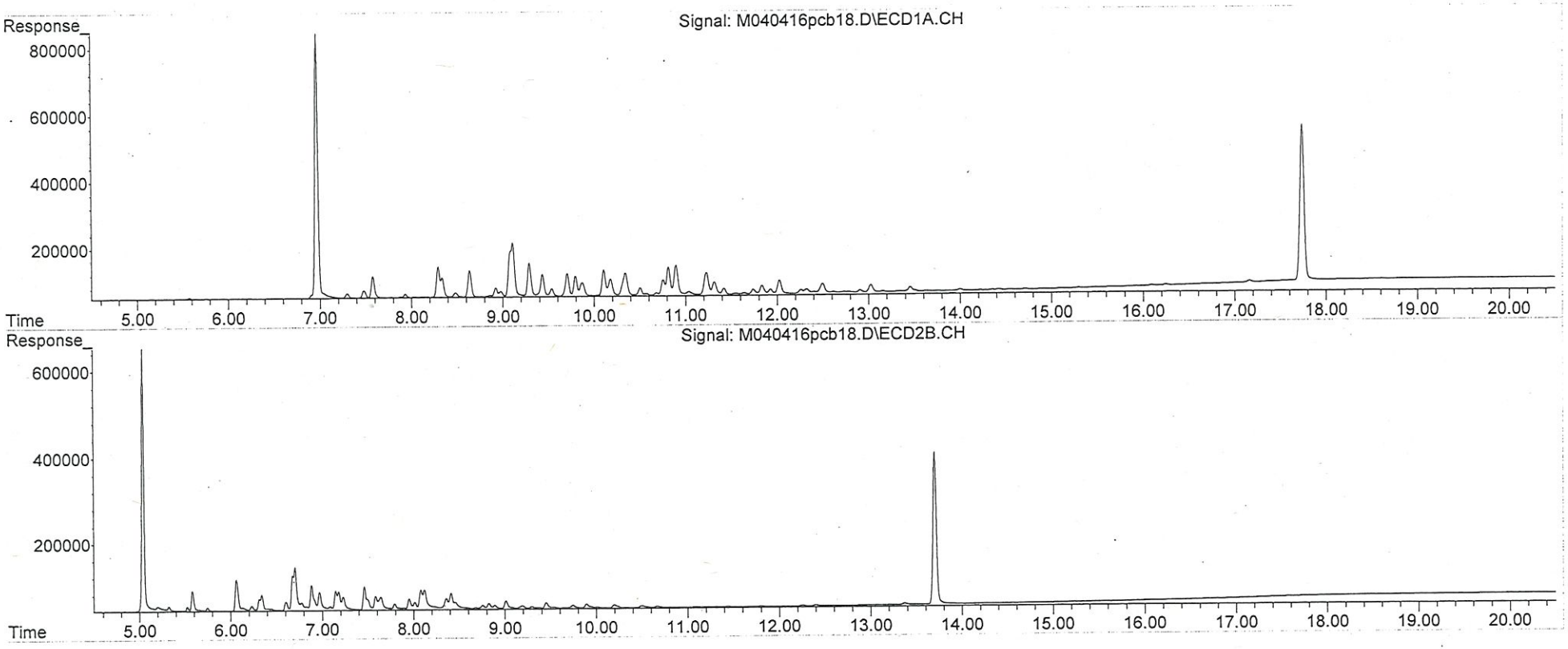


File :J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pc
... b20.D
Operator : DWOOD
Instrument : Minerva
Acquired : 04 Apr 2016 16:38 pm using AcqMethod M012116PCB2B.M
Sample Name: 87PCB020816B
Misc Info : SSV 1232 100pg/uL

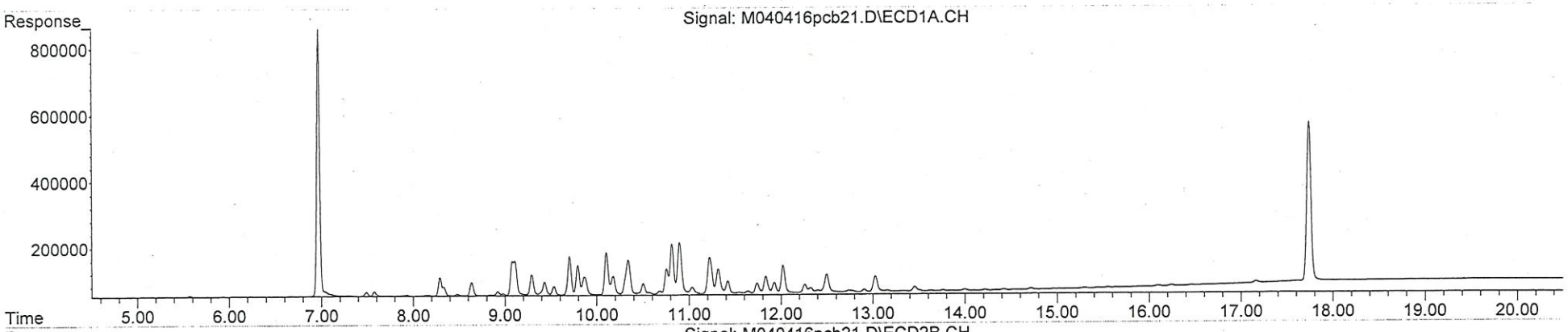


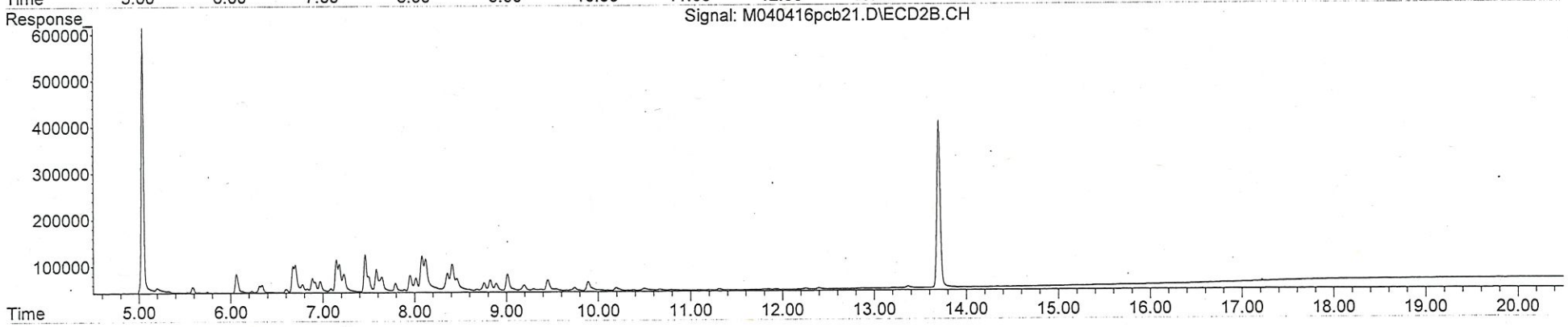


File :J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pc
... b18.D
Operator : DWOOD
Instrument : Minerva
Acquired : 04 Apr 2016 15:48 pm using AcqMethod M012116PCB2B.M
Sample Name: 87PCB020816C
Misc Info : SSV 1242 100pg/uL

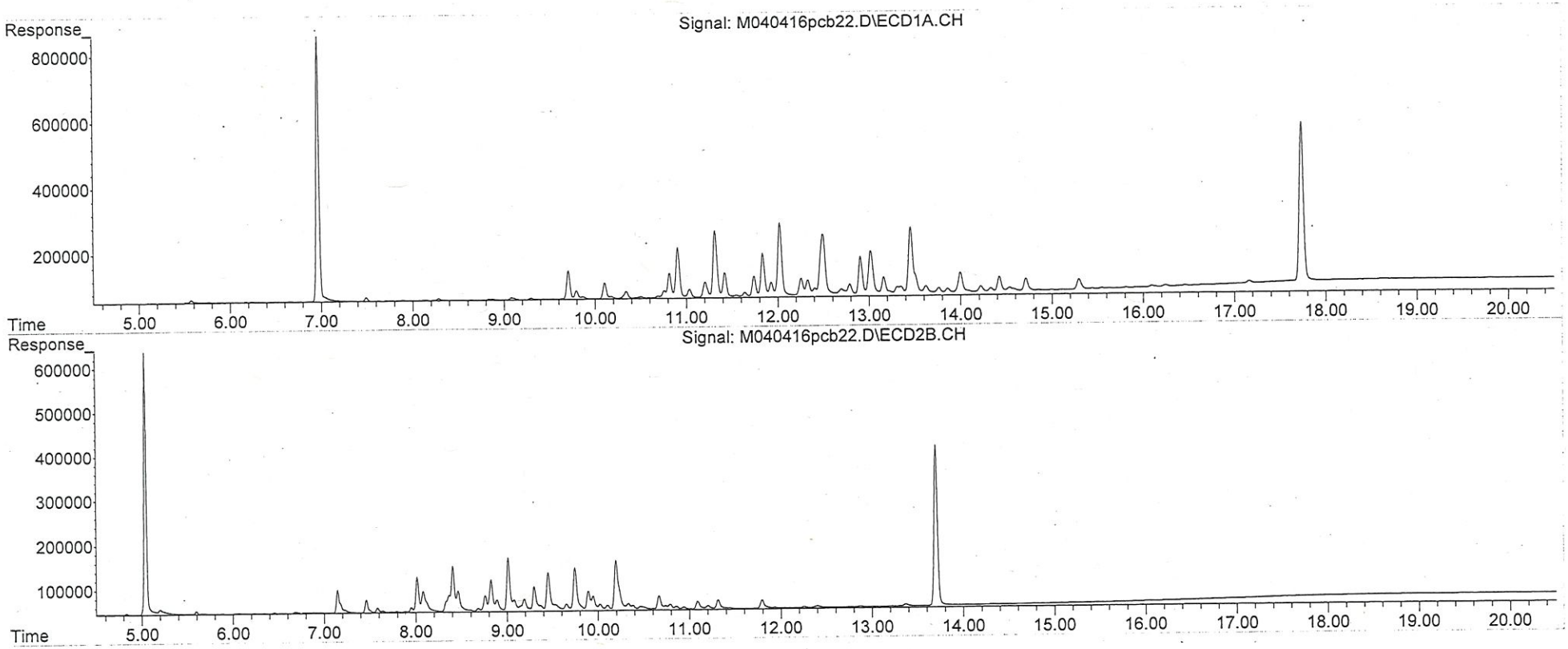


File :J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pc
... b21.D
Operator : DWOOD
Instrument : Minerva
Acquired : 04 Apr 2016 17:02 pm using AcqMethod M012116PCB2B.M
Sample Name: 87PCB020816D
Misc Info : SSV 1248 100pg/uL





File :J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pc
... b22.D
Operator : DWOOD
Instrument : Minerva
Acquired : 04 Apr 2016 17:27 pm using AcqMethod M012116PCB2B.M
Sample Name: 87PCB020816E
Misc Info : SSV 1254 100pg/uL



Analysis Log Analyst: DWOOD Signature:_____ Date _____

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
04 Apr 2016 8:50 am	M040416pcb01.D	Hexane	Hexane Blank	
04 Apr 2016 9:15 am	M040416pcb02.D	10161260condition50	condition 1016/1260 2500 pg/uL	
04 Apr 2016 9:39 am	M040416pcb03.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 10:04 am	M040416pcb04.D	87PCB032916A	PCB 1016/1260 ICAL 25 pg/uL	
04 Apr 2016 10:28 am	M040416pcb05.D	87PCB032916B	PCB 1016/1260 ICAL 50 pg/uL	
04 Apr 2016 10:53 am	M040416pcb06.D	87PCB032916C	PCB 1016/1260 ICAL 100 pg/uL	
04 Apr 2016 11:18 am	M040416pcb07.D	87PCB032916D	PCB 1016/1260 ICAL 250 pg/uL	
04 Apr 2016 11:42 am	M040416pcb08.D	87PCB032916E	PCB 1016/1260 ICAL 500 pg/uL	
04 Apr 2016 12:07 pm	M040416pcb09.D	87PCB032916F	PCB 1016/1260 ICAL 1000 pg/uL	
04 Apr 2016 12:32 pm	M040416pcb10.D	87PCB012016A	SSV 1016 100pg/uL	
04 Apr 2016 12:56 pm	M040416pcb11.D	87PCB012016G	SSV 1260 100pg/uL	
04 Apr 2016 1:21 pm	M040416pcb12.D	87PCB021116B	PCB 1242 ICAL 25 pg/uL	
04 Apr 2016 1:45 pm	M040416pcb13.D	87PCB021116C	PCB 1242 ICAL 50 pg/uL	
04 Apr 2016 2:10 pm	M040416pcb14.D	87PCB021116D	PCB 1242 ICAL 100 pg/uL	
04 Apr 2016 2:35 pm	M040416pcb15.D	87PCB021116E	PCB 1242 ICAL 250 pg/uL	
04 Apr 2016 2:59 pm	M040416pcb16.D	87PCB021116F	PCB 1242 ICAL 500 pg/uL	
04 Apr 2016 3:24 pm	M040416pcb17.D	87PCB021116G	PCB 1242 ICAL 1000 pg/uL	
04 Apr 2016 3:48 pm	M040416pcb18.D	87PCB020816C	SSV 1242 100pg/uL	
04 Apr 2016 4:13 pm	M040416pcb19.D	87PCB020816A	SSV 1221 200pg/uL	
04 Apr 2016 4:38 pm	M040416pcb20.D	87PCB020816B	SSV 1232 100pg/uL	
04 Apr 2016 5:02 pm	M040416pcb21.D	87PCB020816D	SSV 1248 100pg/uL	
04 Apr 2016 5:27 pm	M040416pcb22.D	87PCB020816E	SSV 1254 100pg/uL	
04 Apr 2016 5:51 pm	M040416pcb23.D	87PCB011916J	Instrument Blank 100pg/ul	
04 Apr 2016 6:26 pm	M040416pcb24.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
04 Apr 2016 7:01 pm	M040416pcb25.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
04 Apr 2016 7:35 pm	M040416pcb26.D	92O033016B1	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 8:10 pm	M040416pcb27.D	92O033016L1	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 8:45 pm	M040416pcb28.D	92O033016L2	Sky Valley PCB Wipe 10mL fv	
04 Apr 2016 9:19 pm	M040416pcb29.D	16124000	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 9:54 pm	M040416pcb30.D	16124002	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 10:29 pm	M040416pcb31.D	16124013	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:04 pm	M040416pcb32.D	16124008	Sky Valley PCB Wipe 100mL fv	
04 Apr 2016 11:38 pm	M040416pcb33.D	16124006	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:13 am	M040416pcb34.D	16124009	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 0:47 am	M040416pcb35.D	87PCB011916J	Instrument Blank 100pg/ul	
05 Apr 2016 1:22 am	M040416pcb36.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	
05 Apr 2016 1:57 am	M040416pcb37.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	
05 Apr 2016 2:32 am	M040416pcb38.D	16124001	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:06 am	M040416pcb39.D	16124010	Sky Valley PCB Wipe 100mL fv	
05 Apr 2016 3:41 am	M040416pcb40.D	16124011	Sky Valley PCB Wipe 100mL fv	

Analysis Log Analyst: DWOOD

Instrument: Minerva

Date/Time Analyzed	Filename	Lab ID	Sample Information	Comments
05 Apr 2016 4:15 am	M040416pcb41.D	16124012	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 4:50 am	M040416pcb42.D	16124004	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 5:25 am	M040416pcb43.D	16124005	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 6:00 am	M040416pcb44.D	16124007	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 6:34 am	M040416pcb45.D	Hexane	Hexane Blank	.
05 Apr 2016 7:09 am	M040416pcb46.D	16124003	Sky Valley PCB Wipe 100mL fv	.
05 Apr 2016 7:43 am	M040416pcb47.D	Hexane	Hexane Blank	.
05 Apr 2016 8:18 am	M040416pcb48.D	87PCB011916J	Instrument Blank 100pg/ul	.
05 Apr 2016 8:53 am	M040416pcb49.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	.
05 Apr 2016 9:28 am	M040416pcb50.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.
05 Apr 2016 9:55 am	M040416pcb51.D	87PCB032916C	PCB 1016/1260 Cont Cal 100 pg/uL	.
05 Apr 2016 10:25 am	M040416pcb52.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.
05 Apr 2016 10:45 am	M040416pcb53.D	16124001	Sky Valley PCB Wipe 1000mL fv	.
05 Apr 2016 11:20 am	M040416pcb54.D	16124007	Sky Valley PCB Wipe 1000mL fv	.
05 Apr 2016 11:55 am	M040416pcb55.D	16124003	Sky Valley PCB Wipe 10,000mL fv	.
05 Apr 2016 12:29 pm	M040416pcb56.D	87PCB011916J	Instrument Blank 100pg/ul	.
05 Apr 2016 1:04 pm	M040416pcb57.D	87PCB021116D	PCB 1242 Cont Cal 100 pg/uL	.

Calibration Report Minerva

Method Path : J:\Organics\Minerva\Methods\
Method File : M040416PCB1242.M
Title : AROCLOR 1254 ANALYSIS
Last Update : Mon Apr 11 15:39:43 2016
Response Via : Initial Calibration

Calibration Files
1000=M040416pcb17 500 =M040416pcb16 250 =M040416pcb15 100 =M040416pcb14 50 =M040416pcb1:
25 =M040416pcb12

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S1	tmx (1)	Lin	-----	-----	-----	0.0000
2) L1	1242 -1	Quad	4.2823 e3	7.8974 e2	-0.2425	0.9956
3) L1	1242-2	Quad	9.0597 e3	1.5987 e3	-0.4798	0.9968
4) L1	1242-3	Quad	3.9991 e3	6.1956 e2	-0.1866	0.9954
5) L1	1242-4	Quad	3.6039 e3	6.7325 e2	-0.1937	0.9962
6) L1	1242-5	Quad	2.9196 e3	7.1058 e2	-0.2218	0.9946
7) S1	dcb	Lin	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S2	tmx (1)	Lin	-----	-----	-----	0.0000
2) L1	1242 -1	Lin	2.3749 e3	9.3193 e2	-----	0.9980
3) L1	1242-2	Lin	3.1140 e3	5.2649 e2	-----	0.9979
4) L1	1242-3	Lin	2.3760 e3	4.6371 e2	-----	0.9982
5) L1	1242-4	Lin	1.1815 e3	4.2033 e2	-----	0.9963
6) L1	1242-5	Lin	1.1985 e3	3.0125 e2	-----	0.9958
7) S2	dcb	Lin	-----	-----	-----	0.0000

M040416PCB1242.M Mon Apr 11 15:45:44 2016

			ICAL Series	M040416pcb16.D		through	M040416pcb12.D			
			Last Calibration Update	Mon Apr 11 15:39:43 2016						
				1000.000	500.000	250.000	100.000	50.000	25.000	0.000
			Analyte	%Difference from expected						
1	0		tmx (1)							
2	0	QUAD	1242 -1	4.9	-9.3	6.9	1.7	-4.1	1.3	
3	0	QUAD	1242-2	6.0	-9.5	4.7	2.2	-1.8	0.3	
4	0	QUAD	1242-3	4.5	-8.9	6.9	2.1	-4.9	1.6	
5	0	QUAD	1242-4	4.8	-9.3	6.8	0.8	-2.6	0.8	
6	0	QUAD	1242-5	6.5	-11.0	7.3	2.1	-3.9	1.1	
7	0		dcb							
8	0		Signal #2							
9	0		tmx (1) #2							
10	0		1242 -1 #2	-4.6	4.4	-0.3	3.1	-3.6	1.0	
11	0		1242-2 #2	-6.6	2.2	1.6	4.1	-0.4	-0.9	
12	0		1242-3 #2	-5.6	2.1	0.3	4.6	-0.4	-0.9	
13	0		1242-4 #2	-5.4	4.0	-2.4	7.3	-3.7	0.2	
14	0		1242-5 #2	-4.5	2.0	-1.9	8.9	-5.0	0.5	
15	0		dcb #2							

ICAL Series M040416pcb16.D through M040416pcb12.D
Last Calibration Update Mon Apr 11 15:39:43 2016

			Concentration	1000.000	500.000	250.000	100.000	50.000	25.000	0.000
1	0 tmx (1)									
2	0 1242 -1	QUAD		1049.474	453.6797	267.192	101.7262	47.95314	25.32594	
3	0 1242-2	QUAD		1060.089	452.2932	261.6572	102.226	49.09045	25.06311	
4	0 1242-3	QUAD		1044.643	455.4945	267.2188	102.1399	47.53849	25.40093	
5	0 1242-4	QUAD		1047.529	453.7008	266.8975	100.7784	48.71362	25.19745	
6	0 1242-5	QUAD		1064.939	444.9585	268.3181	102.1149	48.04916	25.28251	
7	0 dcb									
8	0 Signal #2									
9	0 tmx (1) #2									
10	0 1242 -1 #2			954.3409	522.1199	249.2302	103.123	48.18343	25.23987	
11	0 1242-2 #2			934.2874	511.1587	253.887	104.1326	49.78797	24.76907	
12	0 1242-3 #2			943.5339	510.4353	250.7267	104.6151	49.80026	24.76339	
13	0 1242-4 #2			945.8986	519.7739	244.081	107.331	48.15038	25.04782	
14	0 1242-5 #2			954.6875	510.083	245.288	108.9437	47.49017	25.11861	
15	0 dcb #2									

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 1:21 pm
Operator : DWOOD
Sample : 87PCB021116B
Misc : PCB 1242 ICAL 25 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:15 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7)	S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
	Target Compounds						
2)	L1 1242 -1	8.639	6.704	24128	25897	25.326	25.240
3)	L1 1242-2	9.108	6.886	48825	16155	25.063	24.769
4)	L1 1242-3	9.705	7.463	19616	13859	25.401	24.763
5)	L1 1242-4	10.344	8.121	20445	11710	25.197	25.048
6)	L1 1242-5	11.229	8.413	20743	8766	25.282	25.119
	Sum 1242 -1			133757	76386	126.270	124.939
	Average 1242 -1					25.254	24.988

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

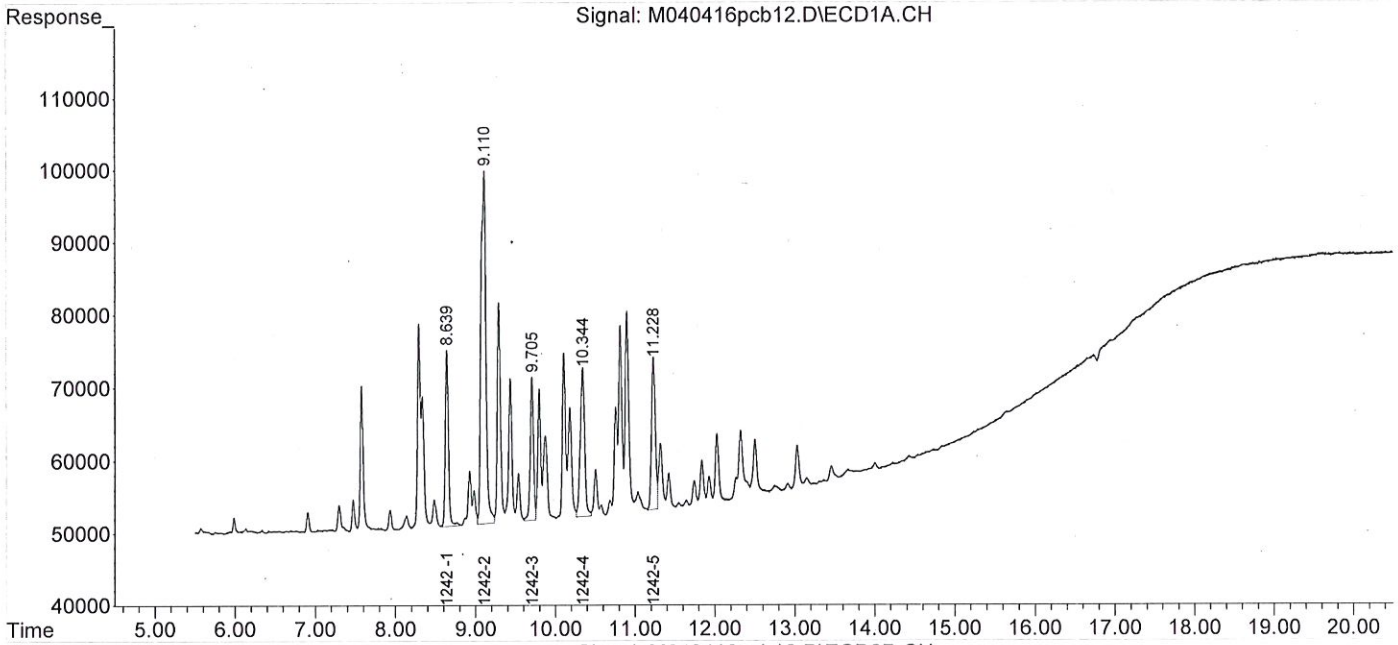
LW
4/11/16

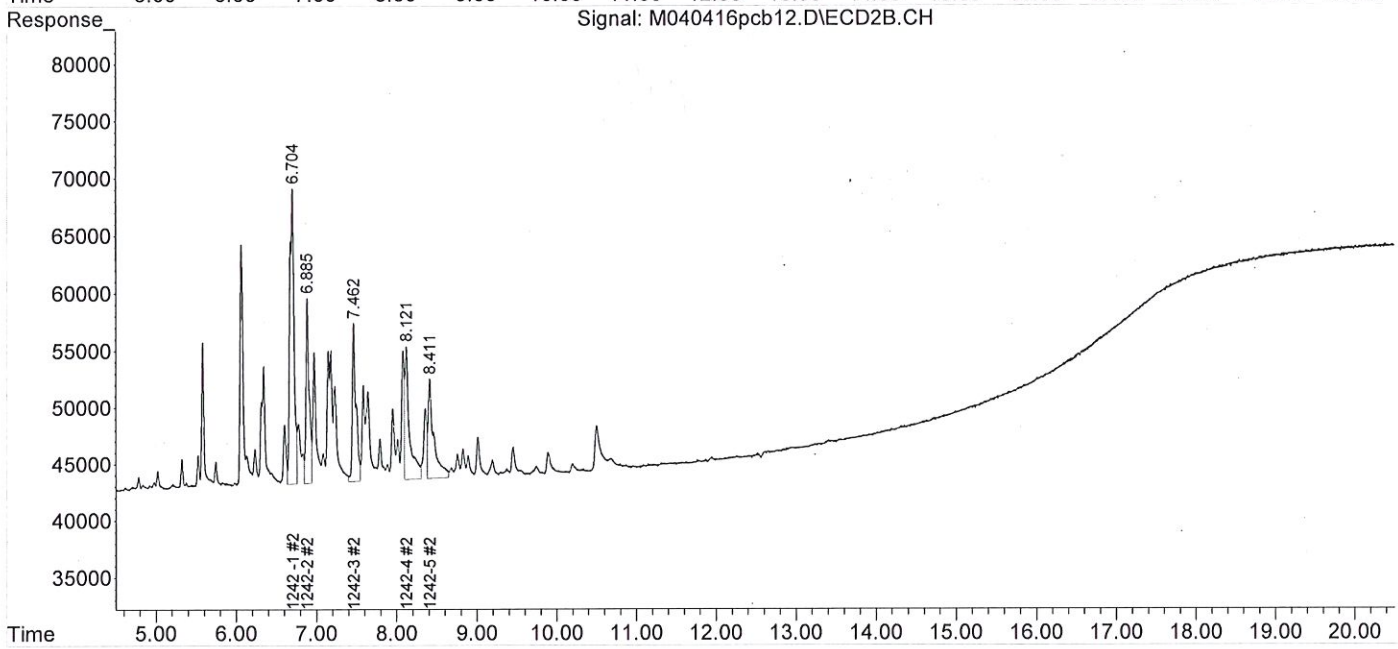
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 1:21 pm
Operator : DWOOD
Sample : 87PCB021116B
Misc : PCB 1242 ICAL 25 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:15 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 13:21 pm
Operator : DWOOD
Sample : 87PCB021116B
Misc : PCB 1242 ICAL 25 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

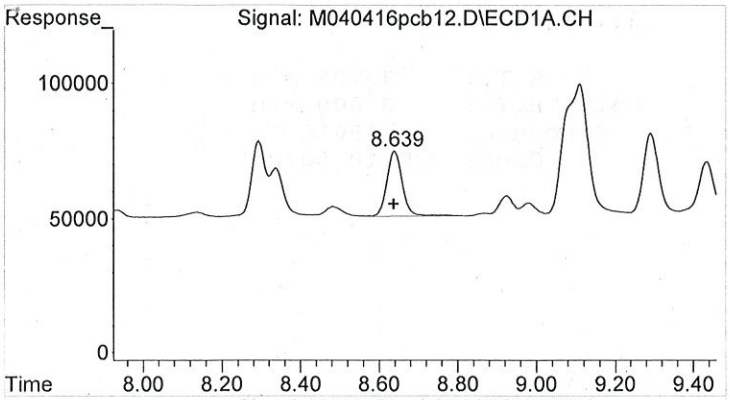
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:25:26 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.317	0.000	~~8853~~ lu	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.639	6.704	24128	25897	25.162	28.378
3) L1 1242-2	9.108	6.886	48825	16155	25.591	29.686
4) L1 1242-3	9.705	7.463	19616	13859	26.517	26.403
5) L1 1242-4	10.344	8.121	20445	11710	25.551	NoCal #
6) L1 1242-5	11.229	8.413	20743	8766	27.808	NoCal #
Sum 1242 -1			133757	55910	130.629	84.467
Average 1242 -1					26.126	28.156

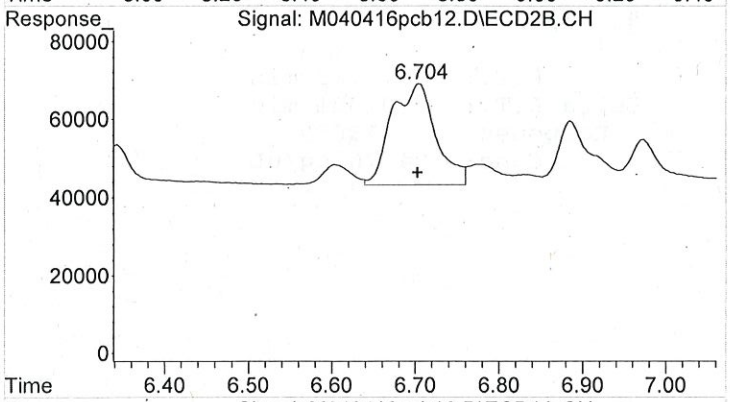
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

lu
4/11/16



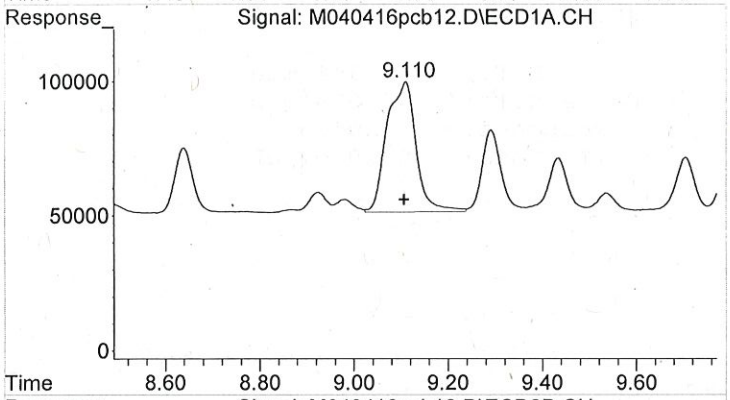
#2 1242 -1

R.T.: 8.639 min
Delta R.T.: 0.002 min
Response: 24128
Conc: 25.33 pg/uL



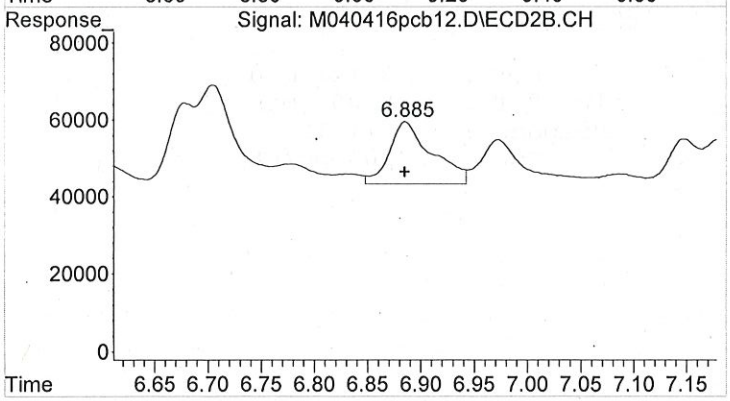
#2 1242 -1

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 25897
Conc: 25.24 pg/uL



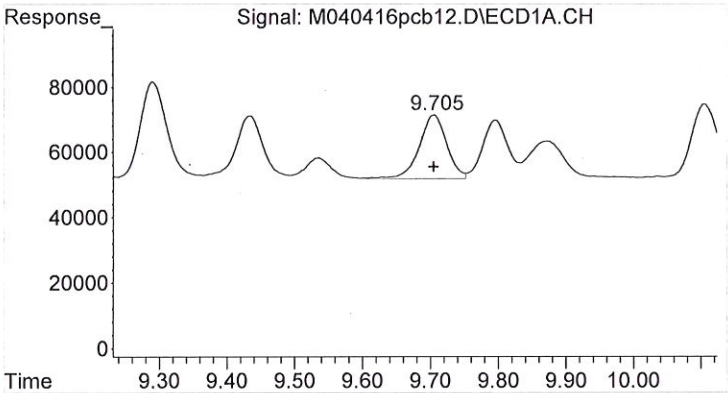
#3 1242-2

R.T.: 9.108 min
Delta R.T.: 0.001 min
Response: 48825
Conc: 25.06 pg/uL



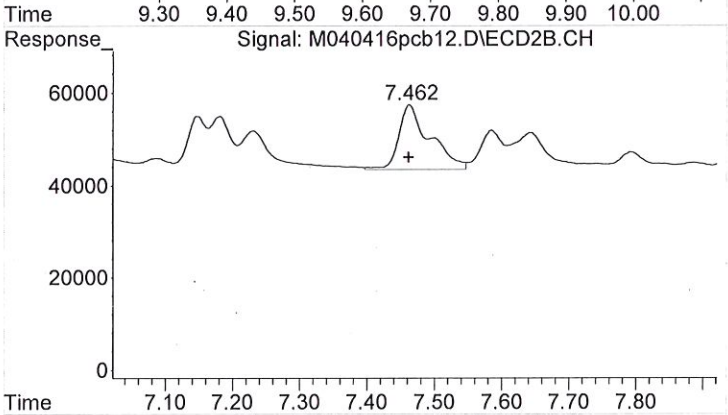
#3 1242-2

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 16155
Conc: 24.77 pg/uL



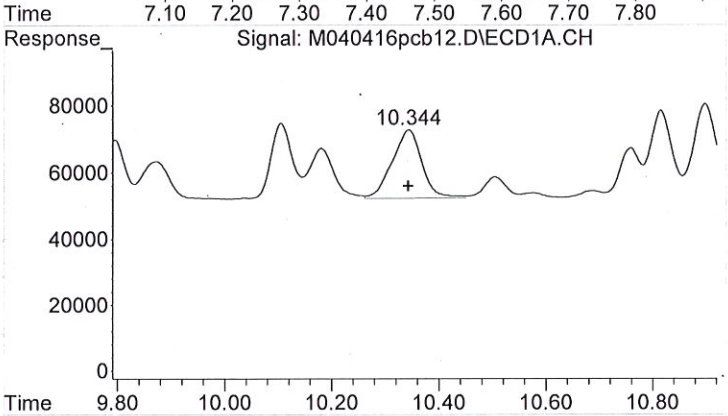
#4 1242-3

R.T.: 9.705 min
Delta R.T.: 0.000 min
Response: 19616
Conc: 25.40 pg/uL



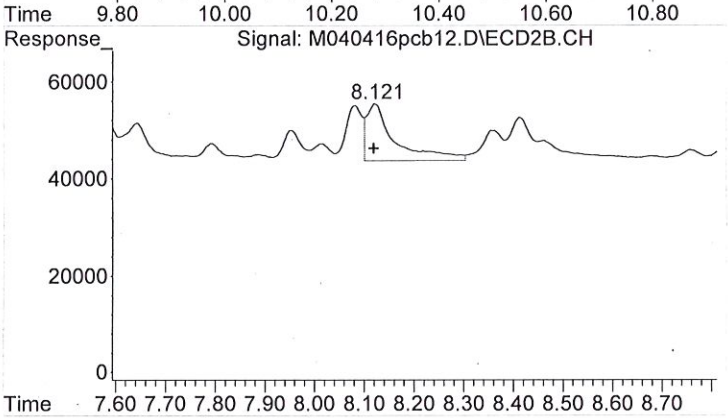
#4 1242-3

R.T.: 7.463 min
Delta R.T.: 0.001 min
Response: 13859
Conc: 24.76 pg/uL



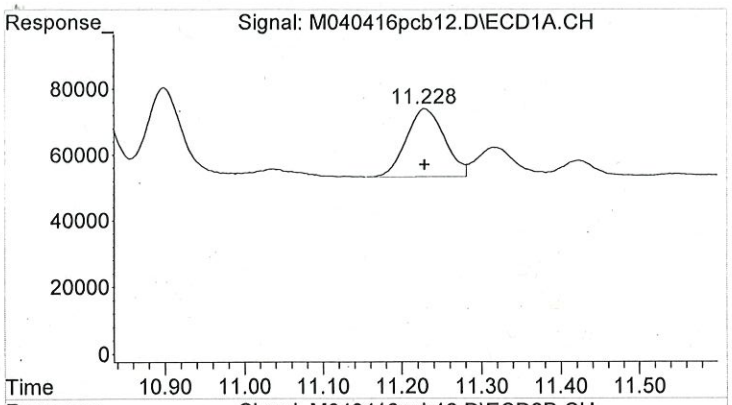
#5 1242-4

R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 20445
Conc: 25.20 pg/uL



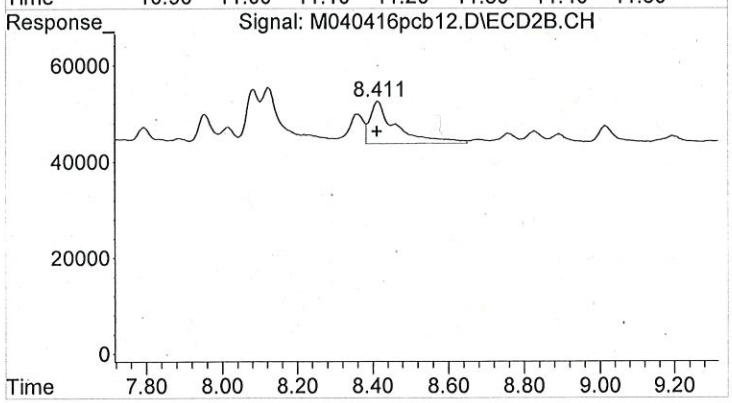
#5 1242-4

R.T.: 8.121 min
Delta R.T.: 0.001 min
Response: 11710
Conc: 25.05 pg/uL



#6 1242-5

R.T.: 11.229 min
Delta R.T.: 0.000 min
Response: 20743
Conc: 25.28 pg/uL



#6 1242-5

R.T.: 8.413 min
Delta R.T.: 0.000 min
Response: 8766
Conc: 25.12 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 1:45 pm
Operator : DWOOD
Sample : 87PCB021116C
Misc : PCB 1242 ICAL 50 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:23 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D. m	N.D. m
7) S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
Target Compounds						
2) L1 1242 -1	8.639	6.704	41595	47278	47.953	48.183
3) L1 1242-2	9.109	6.886	86382	29327	49.090	49.788
4) L1 1242-3	9.706	7.463	33030	25469	47.538	49.800
5) L1 1242-4	10.344	8.121	35941	21420	48.714	48.150
6) L1 1242-5	11.230	8.414	36550	15505	48.049	47.490
Sum 1242 -1			233498	139000	241.345	243.412
Average 1242 -1					48.269	48.682

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

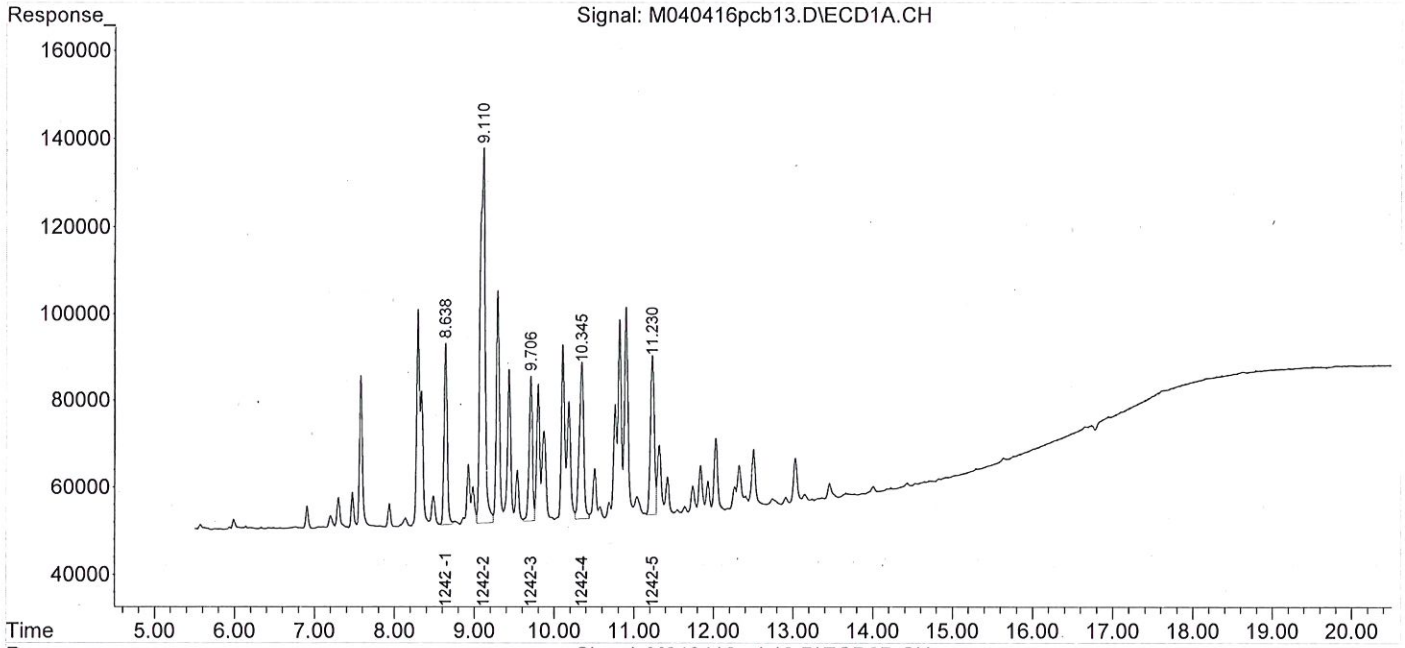
4/11/16

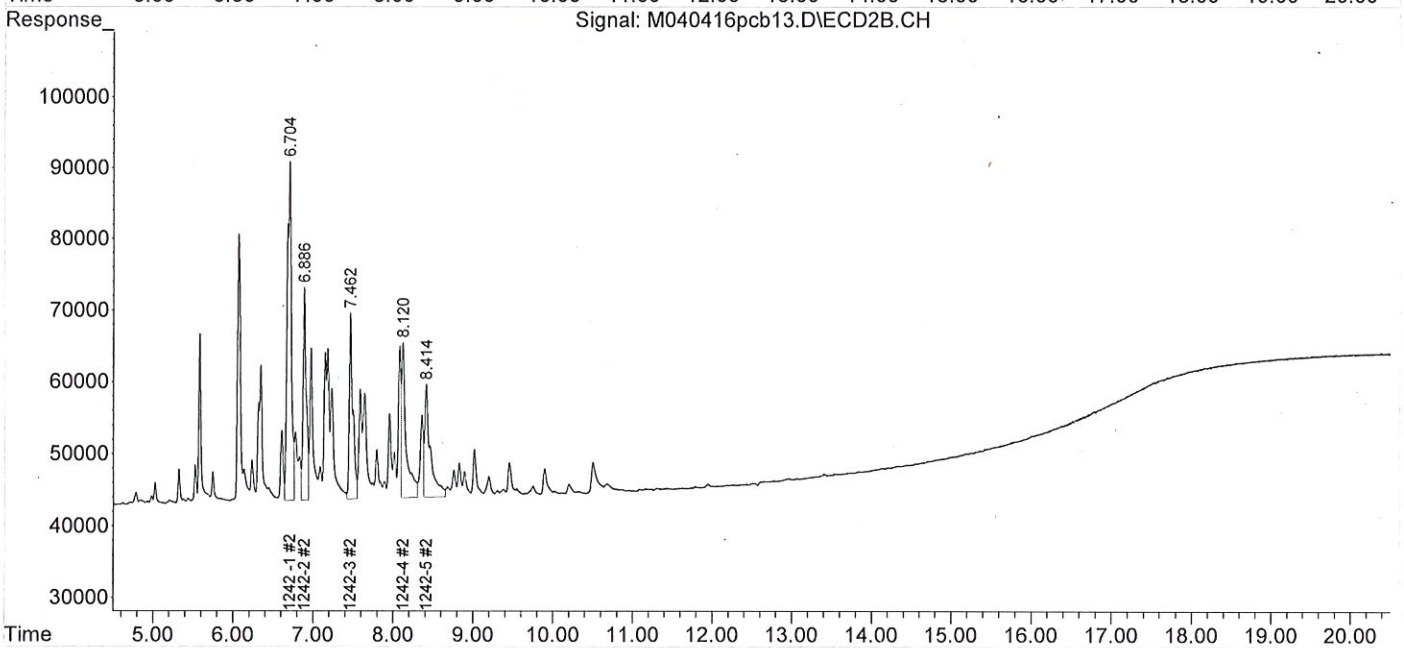
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 1:45 pm
Operator : DWOOD
Sample : 87PCB021116C
Misc : PCB 1242 ICAL 50 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:23 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 13:45 pm
Operator : DWOOD
Sample : 87PCB021116C
Misc : PCB 1242 ICAL 50 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

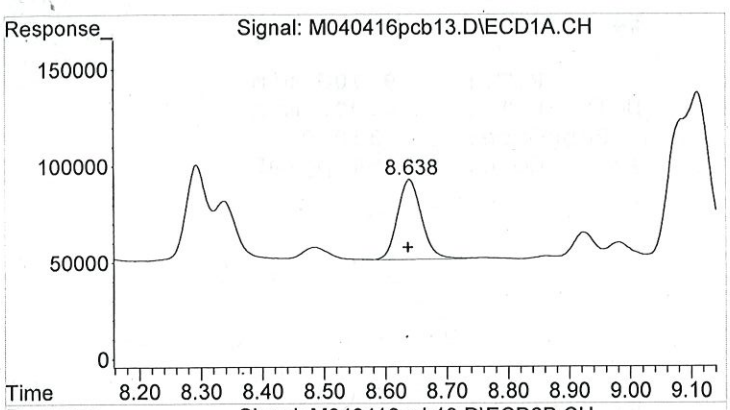
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:25:38 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.317	0.000	~~15703~~	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.639	6.704	41595	47278	43.378	51.808
3) L1 1242-2	9.109	6.886	86382	29327	45.276	53.892
4) L1 1242-3	9.706	7.463	33030	25469	44.650	48.520
5) L1 1242-4	10.344	8.121	35941	21420	44.916	NoCal #
6) L1 1242-5	11.230	8.414	36550	15505	48.999	NoCal #
Sum 1242 -1			233498	102074	227.220	154.221
Average 1242 -1					45.444	51.407

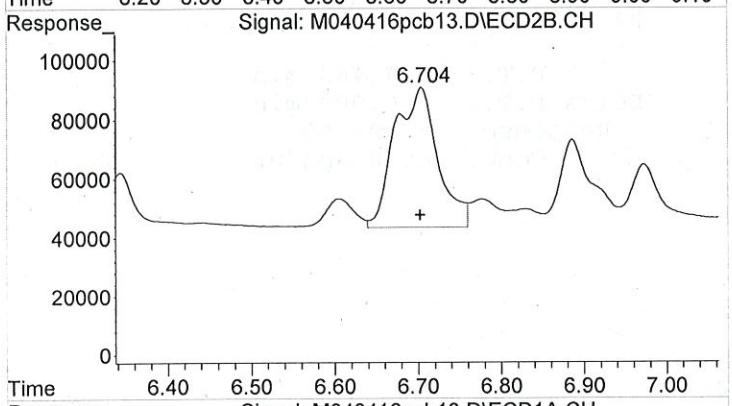
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

lw
4/11/16



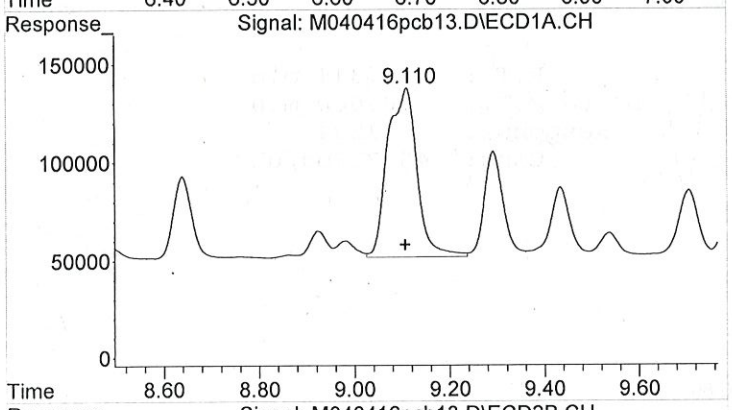
#2 1242 -1

R.T.: 8.639 min
Delta R.T.: 0.002 min
Response: 41595
Conc: 47.95 pg/uL



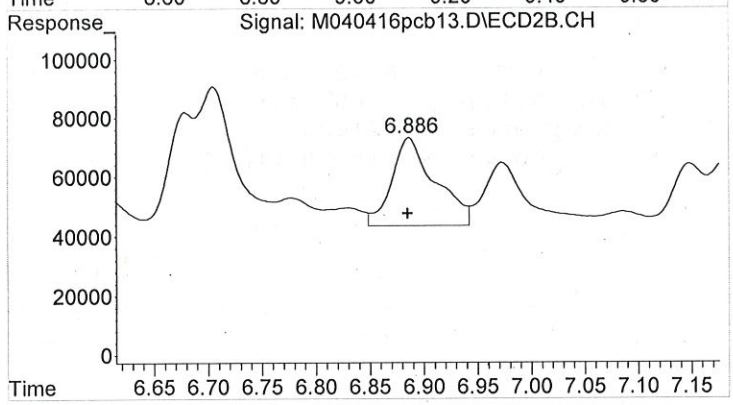
#2 1242 -1

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 47278
Conc: 48.18 pg/uL



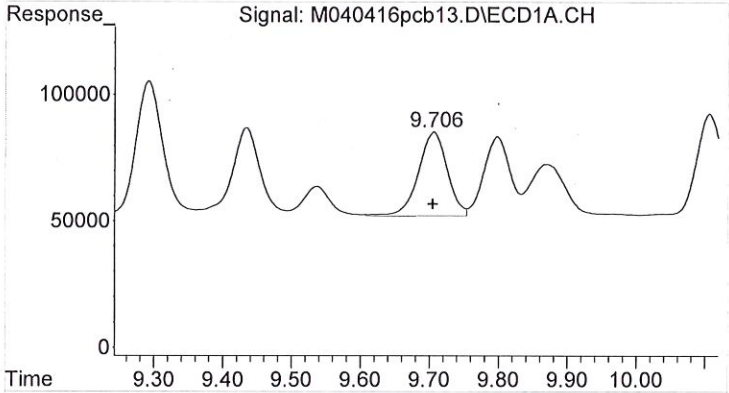
#3 1242-2

R.T.: 9.109 min
Delta R.T.: 0.002 min
Response: 86382
Conc: 49.09 pg/uL



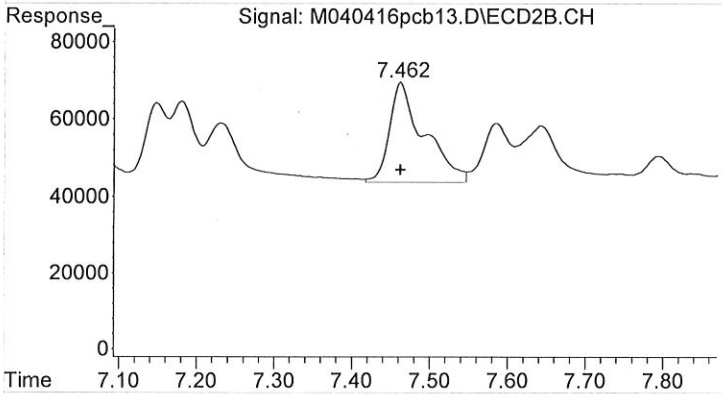
#3 1242-2

R.T.: 6.886 min
Delta R.T.: 0.001 min
Response: 29327
Conc: 49.79 pg/uL



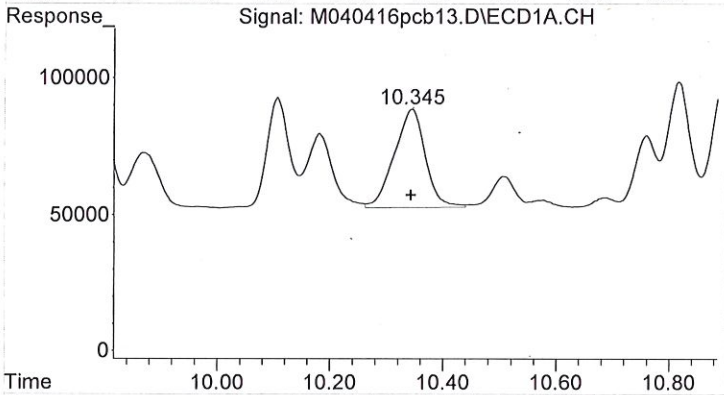
#4 1242-3

R.T.: 9.706 min
Delta R.T.: 0.000 min
Response: 33030
Conc: 47.54 pg/uL



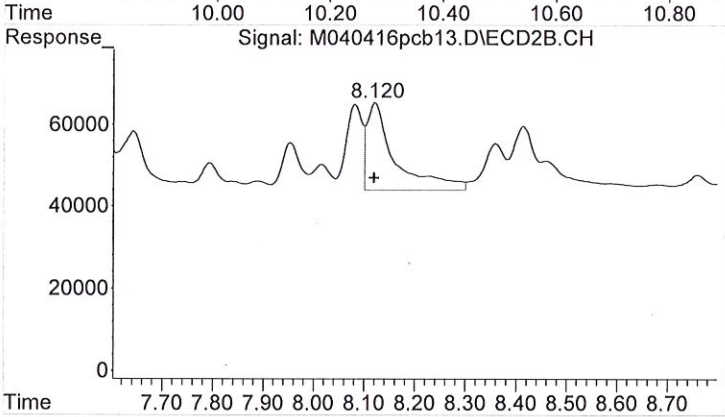
#4 1242-3

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 25469
Conc: 49.80 pg/uL



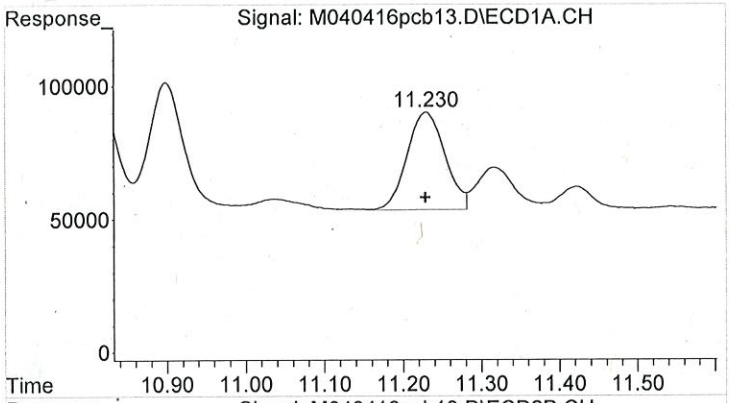
#5 1242-4

R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 35941
Conc: 48.71 pg/uL



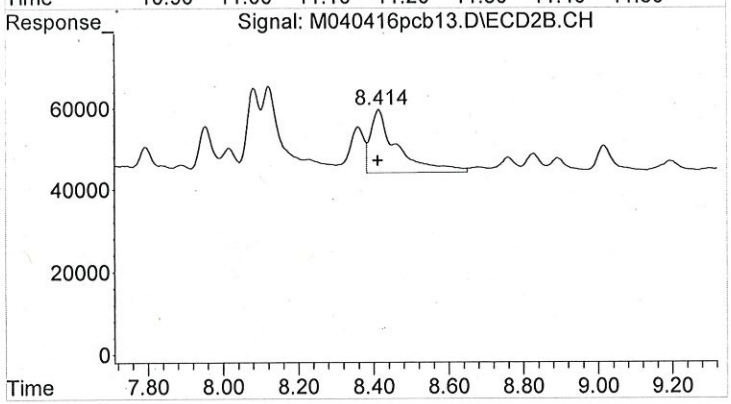
#5 1242-4

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 21420
Conc: 48.15 pg/uL



#6 1242-5

R.T.: 11.230 min
Delta R.T.: 0.000 min
Response: 36550
Conc: 48.05 pg/uL



#6 1242-5

R.T.: 8.414 min
Delta R.T.: 0.002 min
Response: 15505
Conc: 47.49 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:10 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:31 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
Target Compounds						
2) L1 1242 -1	8.637	6.703	82110	98478	101.726	103.123
3) L1 1242-2	9.107	6.885	167469	57939	102.226	104.133
4) L1 1242-3	9.705	7.462	65334	50887	102.140	104.615
5) L1 1242-4	10.343	8.120	69486	46296	100.778	107.331
6) L1 1242-5	11.229	8.412	73167	34018	102.115	108.944
Sum 1242 -1			457566	287618	508.985	528.146
Average 1242 -1					101.797	105.629

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

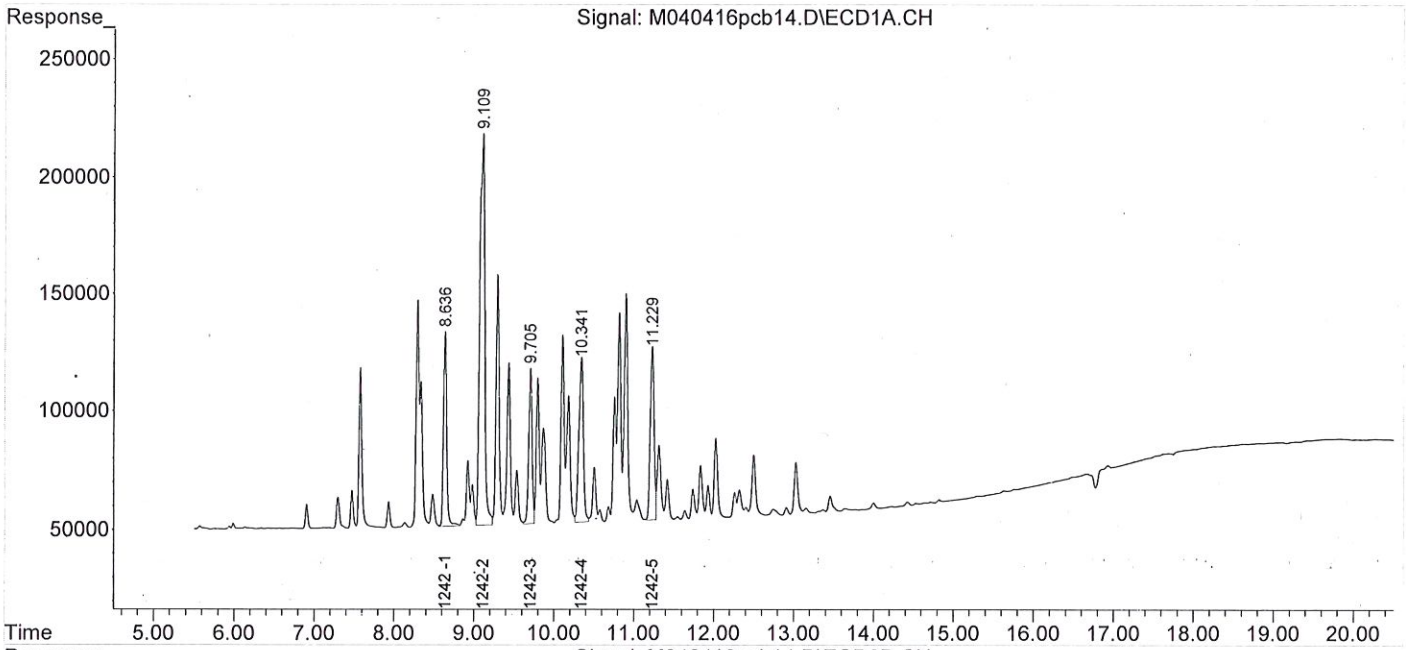
ln
4/11/16

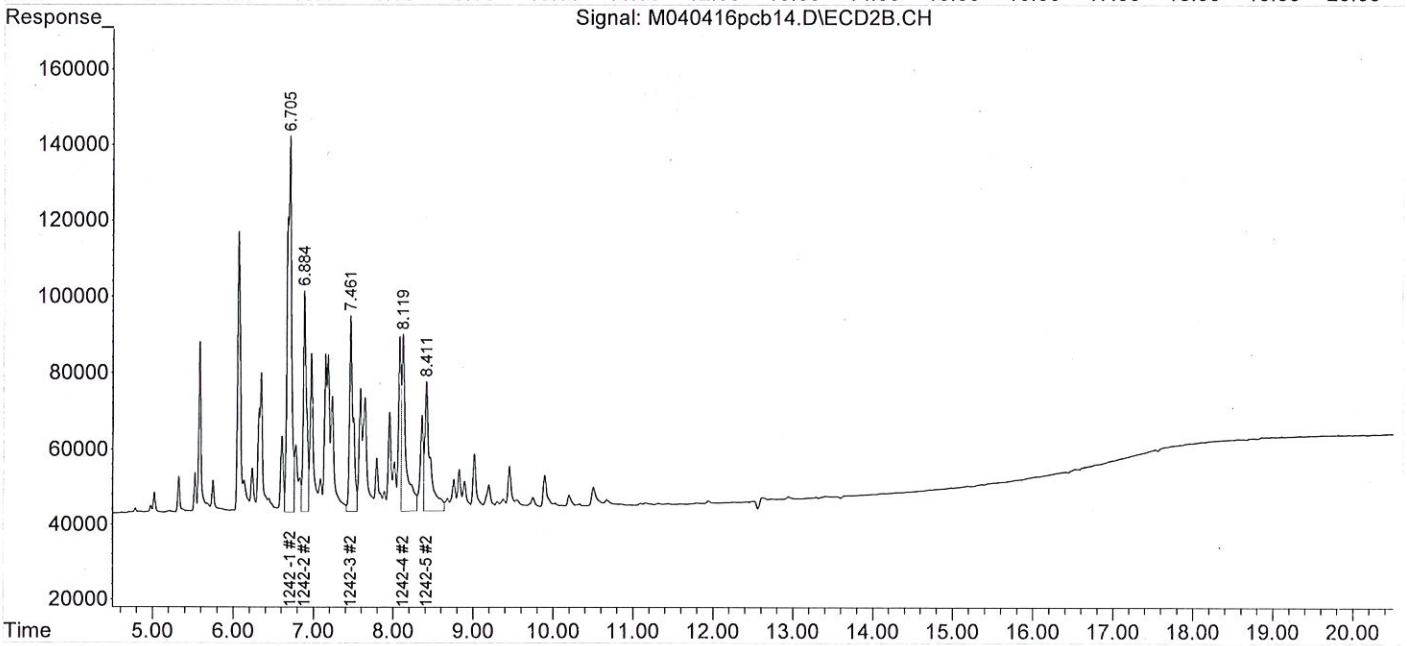
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:10 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:31 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 14:10 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

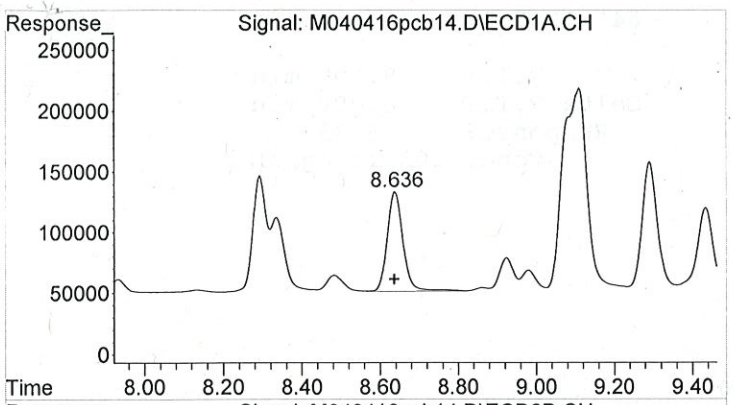
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:25:50 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.315	0.000	~~31139~~ m	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.637	6.703	82110	98478	85.629	107.914 #
3) L1 1242-2	9.107	6.885	167469	57939	87.777	106.470
4) L1 1242-3	9.705	7.462	65334	50887	88.318	96.944
5) L1 1242-4	10.343	8.120	69486	46296	86.839	NoCal #
6) L1 1242-5	11.229	8.412	73167	34018	98.088	NoCal #
Sum 1242 -1			457566	207304	446.651	311.328
Average 1242 -1					89.330	103.776

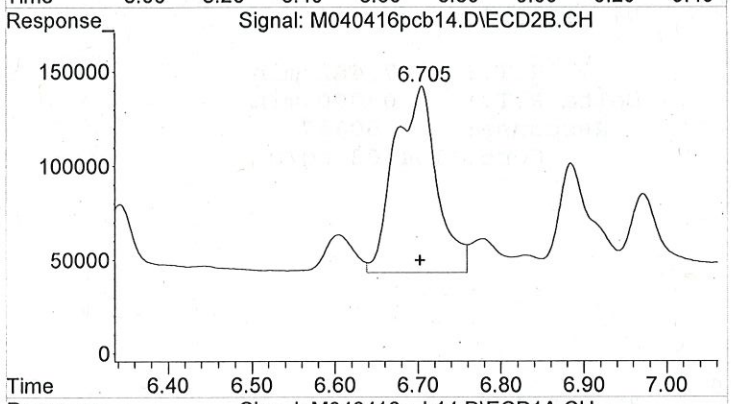
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

m 4/11/16



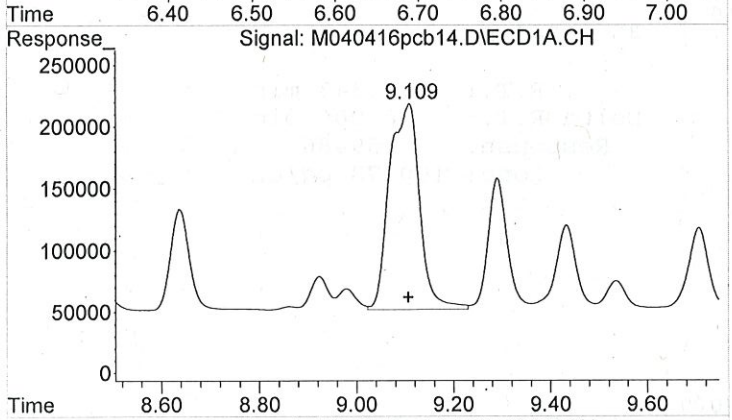
#2 1242 -1

R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 82110
Conc: 101.73 pg/uL



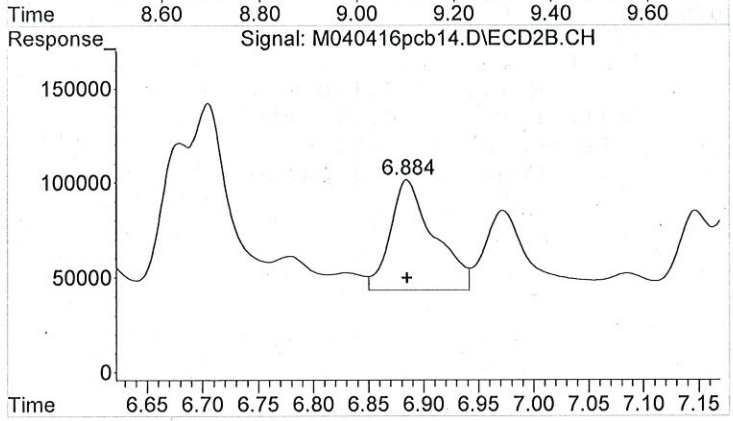
#2 1242 -1

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 98478
Conc: 103.12 pg/uL



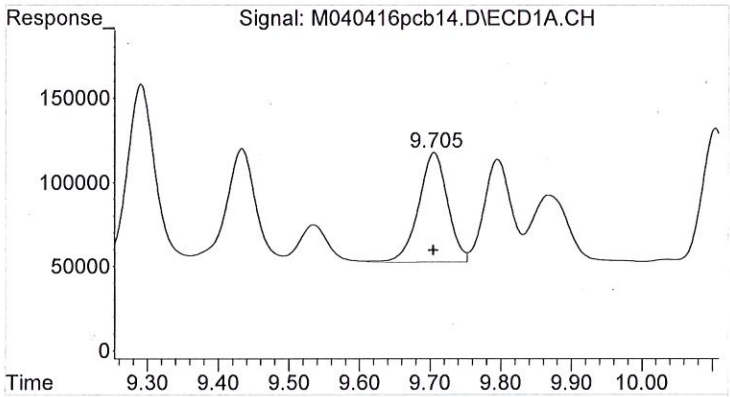
#3 1242-2

R.T.: 9.107 min
Delta R.T.: 0.000 min
Response: 167469
Conc: 102.23 pg/uL



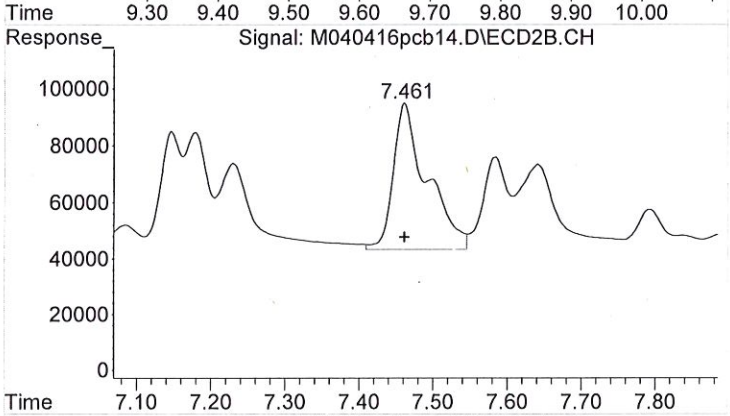
#3 1242-2

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 57939
Conc: 104.13 pg/uL



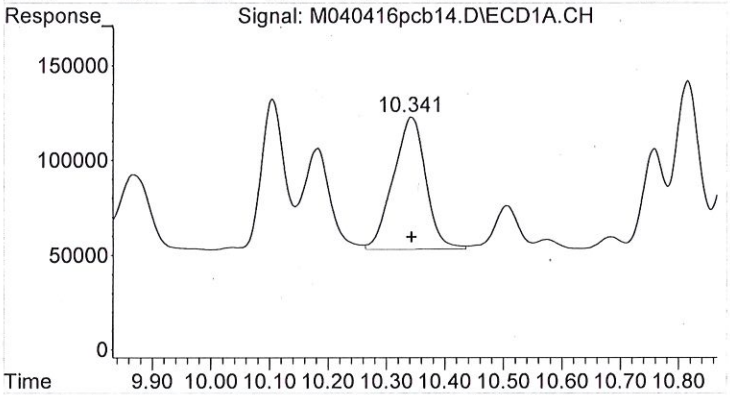
#4 1242-3

R.T.: 9.705 min
Delta R.T.: 0.000 min
Response: 65334
Conc: 102.14 pg/uL



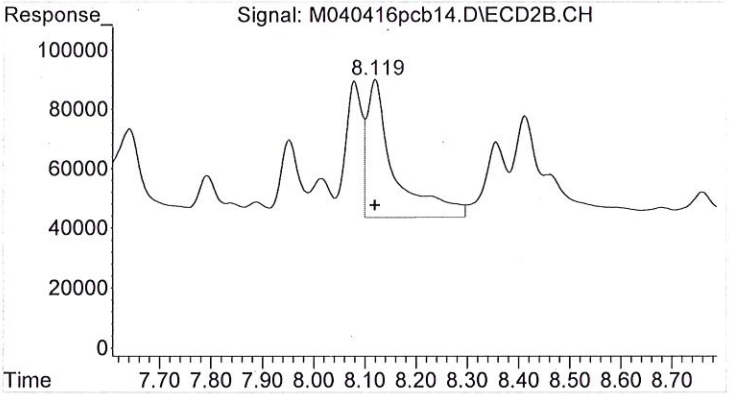
#4 1242-3

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 50887
Conc: 104.62 pg/uL



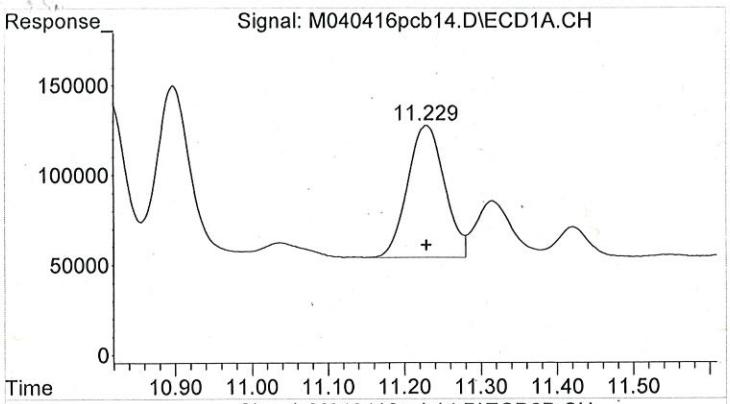
#5 1242-4

R.T.: 10.343 min
Delta R.T.: 0.000 min
Response: 69486
Conc: 100.78 pg/uL



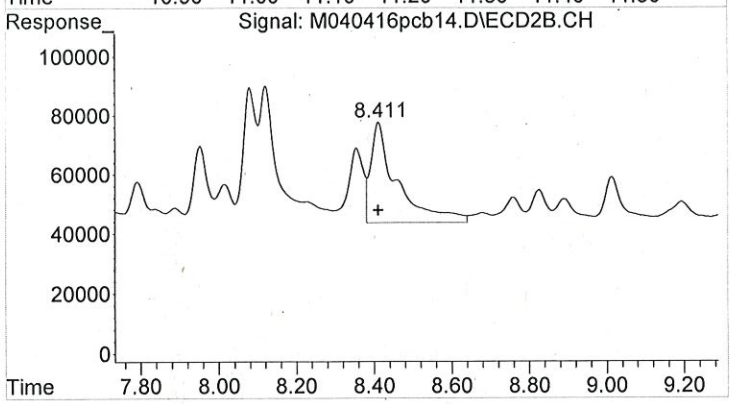
#5 1242-4

R.T.: 8.120 min
Delta R.T.: 0.000 min
Response: 46296
Conc: 107.33 pg/uL



#6 1242-5

R.T.: 11.229 min
Delta R.T.: 0.000 min
Response: 73167
Conc: 102.11 pg/uL



#6 1242-5

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 34018
Conc: 108.94 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:35 pm
Operator : DWOOD
Sample : 87PCB021116E
Misc : PCB 1242 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:40 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7)	S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
	Target Compounds						
2)	L1 1242 -1	8.638	6.704	197980	234639	267.192	249.230
3)	L1 1242-2	9.108	6.886	394507	136783	261.657	253.887
4)	L1 1242-3	9.706	7.462	156231	118641	267.218	250.726
5)	L1 1242-4	10.342	8.120	169497	103776	266.898	244.081
6)	L1 1242-5	11.229	8.413	177612	75092	268.318	245.288
	Sum 1242 -1			1095828	668931	1331.284	1243.213
	Average 1242 -1					266.257	248.643

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

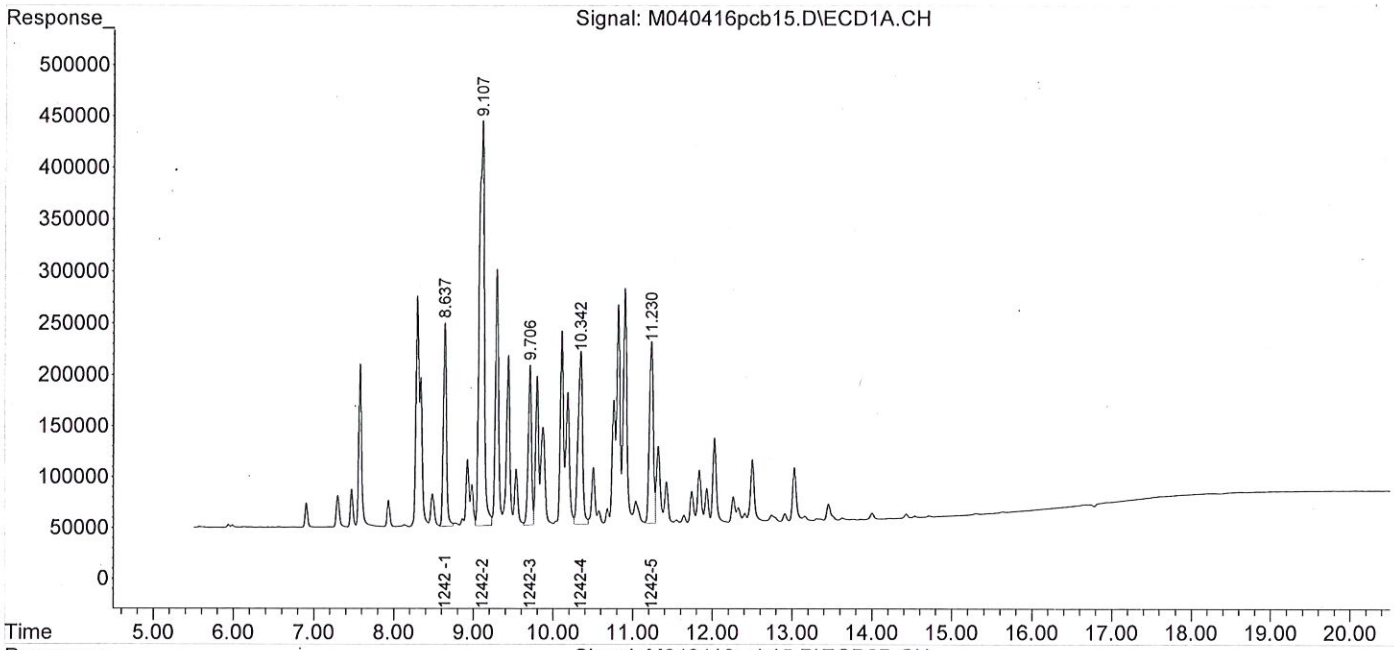
4/11/16

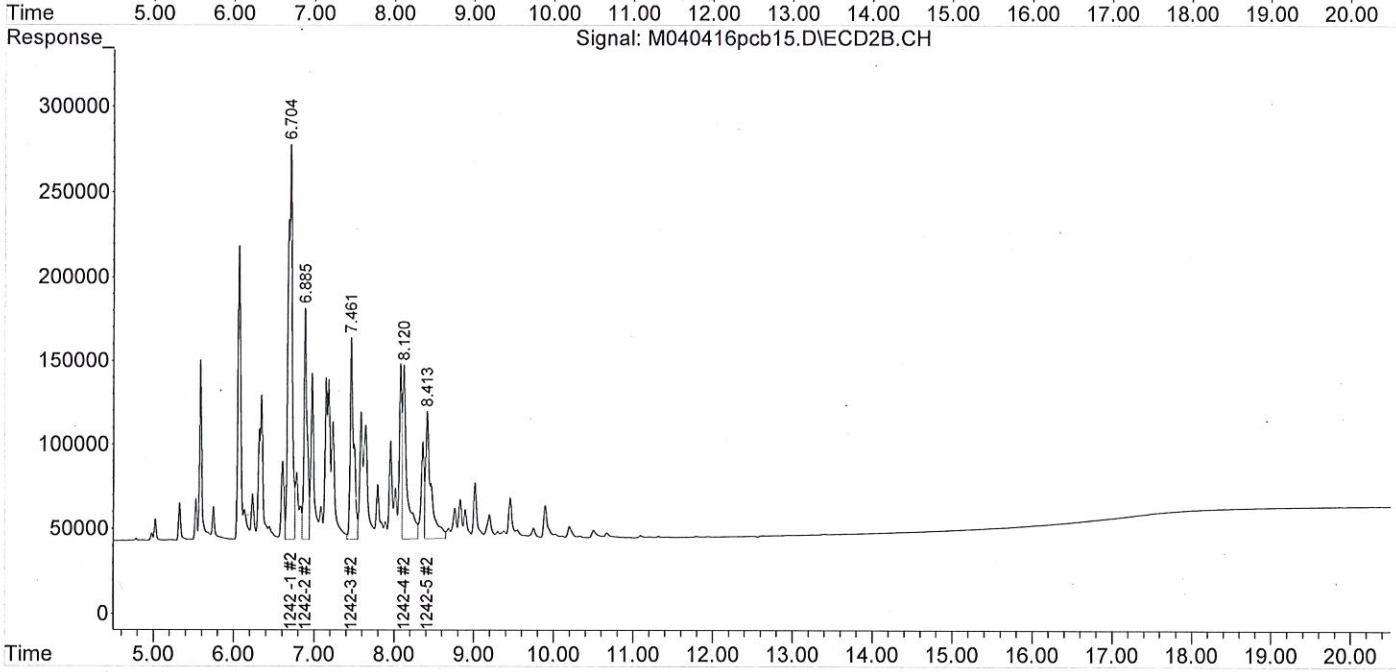
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:35 pm
Operator : DWOOD
Sample : 87PCB021116E
Misc : PCB 1242 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:40 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 14:35 pm
Operator : DWOOD
Sample : 87PCB021116E
Misc : PCB 1242 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

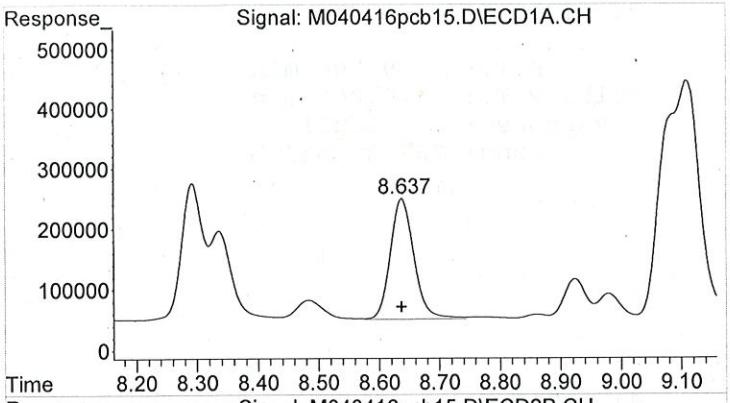
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:26:04 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS '
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.317	0.000	~~75260~~	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.638	6.704	197980	234639	206.467	257.122
3) L1 1242-2	9.108	6.886	394507	136783	206.778	251.357
4) L1 1242-3	9.706	7.462	156231	118641	211.192	226.020
5) L1 1242-4	10.342	8.120	169497	103776	211.825	NoCal #
6) L1 1242-5	11.229	8.413	177612	75092	238.106	NoCal #
Sum 1242 -1			1095828	490063	1074.368	734.498
Average 1242 -1					214.874	244.833

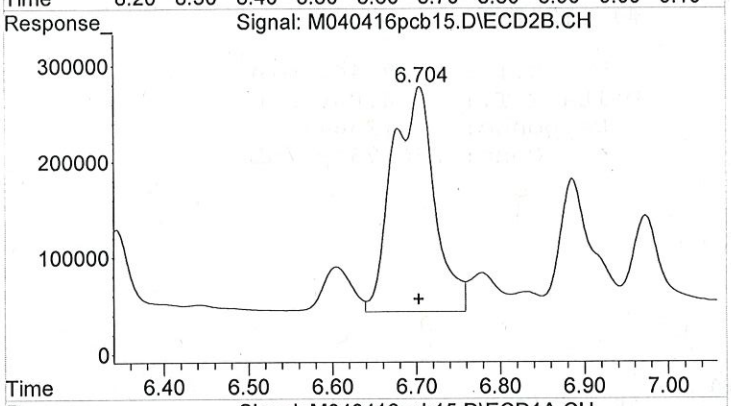
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

4/11/16



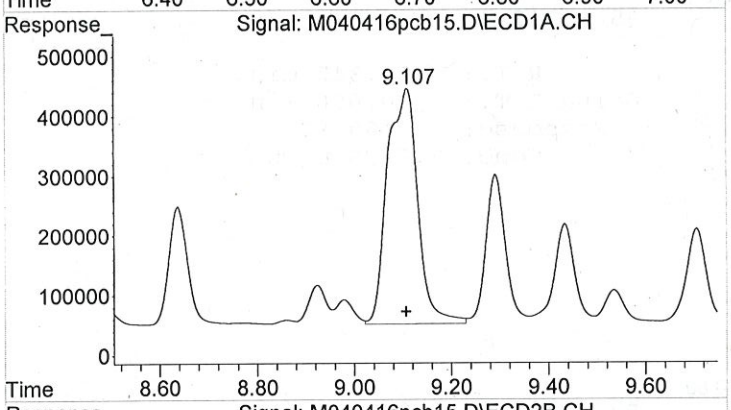
#2 1242 -1

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 197980
Conc: 267.19 pg/uL



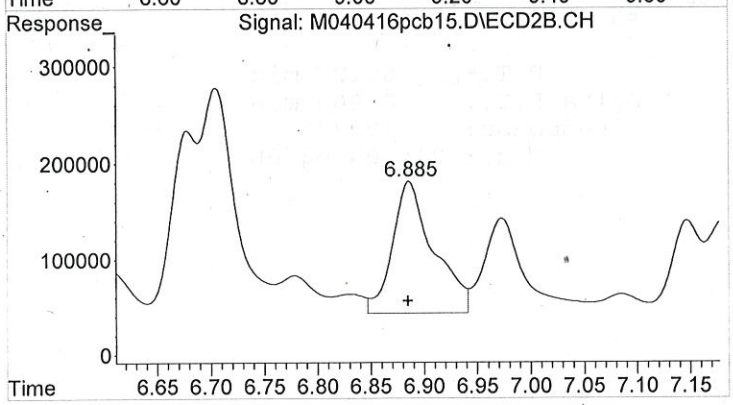
#2 1242 -1

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 234639
Conc: 249.23 pg/uL



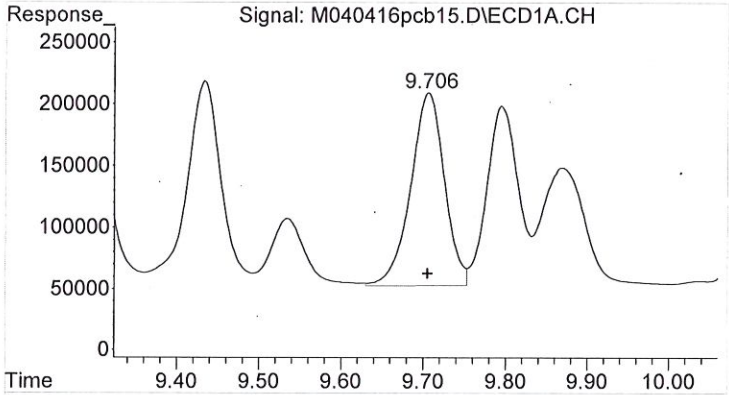
#3 1242-2

R.T.: 9.108 min
Delta R.T.: 0.001 min
Response: 394507
Conc: 261.66 pg/uL



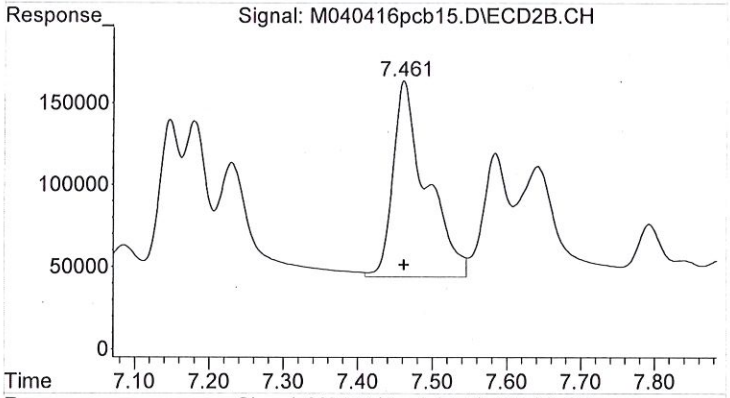
#3 1242-2

R.T.: 6.886 min
Delta R.T.: 0.001 min
Response: 136783
Conc: 253.89 pg/uL



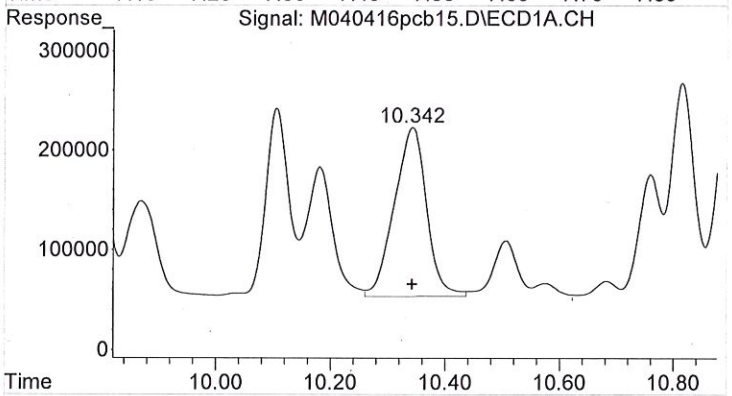
#4 1242-3

R.T.: 9.706 min
Delta R.T.: 0.000 min
Response: 156231
Conc: 267.22 pg/uL



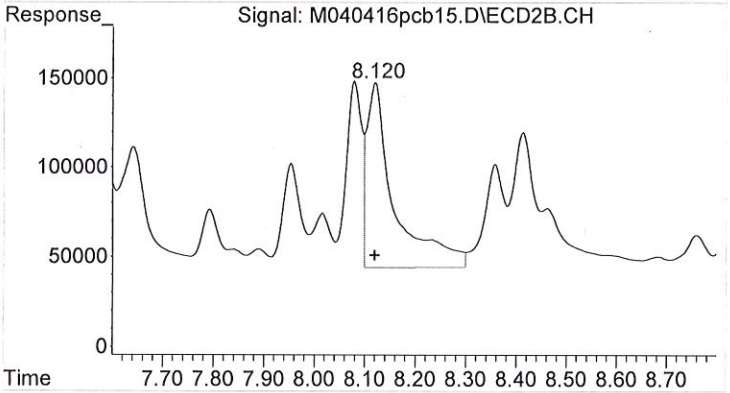
#4 1242-3

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 118641
Conc: 250.73 pg/uL



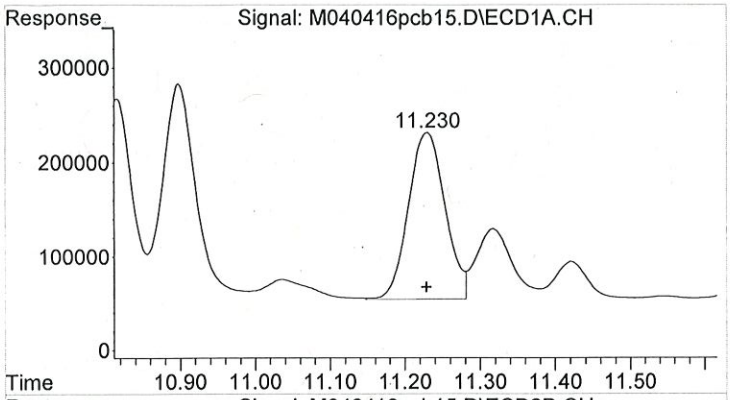
#5 1242-4

R.T.: 10.342 min
Delta R.T.: 0.000 min
Response: 169497
Conc: 266.90 pg/uL



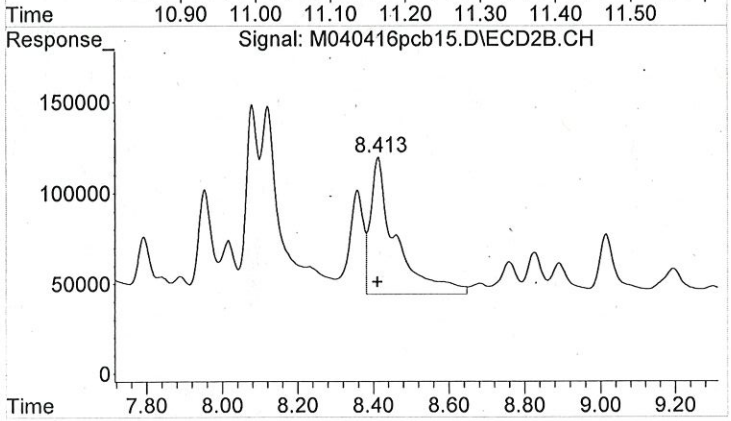
#5 1242-4

R.T.: 8.120 min
Delta R.T.: 0.000 min
Response: 103776
Conc: 244.08 pg/uL



#6 1242-5

R.T.: 11.229 min
Delta R.T.: 0.000 min
Response: 177612
Conc: 268.32 pg/uL



#6 1242-5

R.T.: 8.413 min
Delta R.T.: 0.000 min
Response: 75092
Conc: 245.29 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:59 pm
Operator : DWOOD
Sample : 87PCB021116F
Misc : PCB 1242 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:48 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
Target Compounds						
2) L1 1242 -1	8.638	6.703	312654	488952	453.681	522.121
3) L1 1242-2	9.108	6.885	633961	272234	452.293	511.159
4) L1 1242-3	9.704	7.462	247485	239071	455.493	510.436
5) L1 1242-4	10.343	8.119	269192	219658	453.700	519.774
6) L1 1242-5	11.228	8.412	275183	154862	444.959	510.083
Sum 1242 -1			1738475	1374778	2260.126	2573.572
Average 1242 -1					452.025	514.714

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

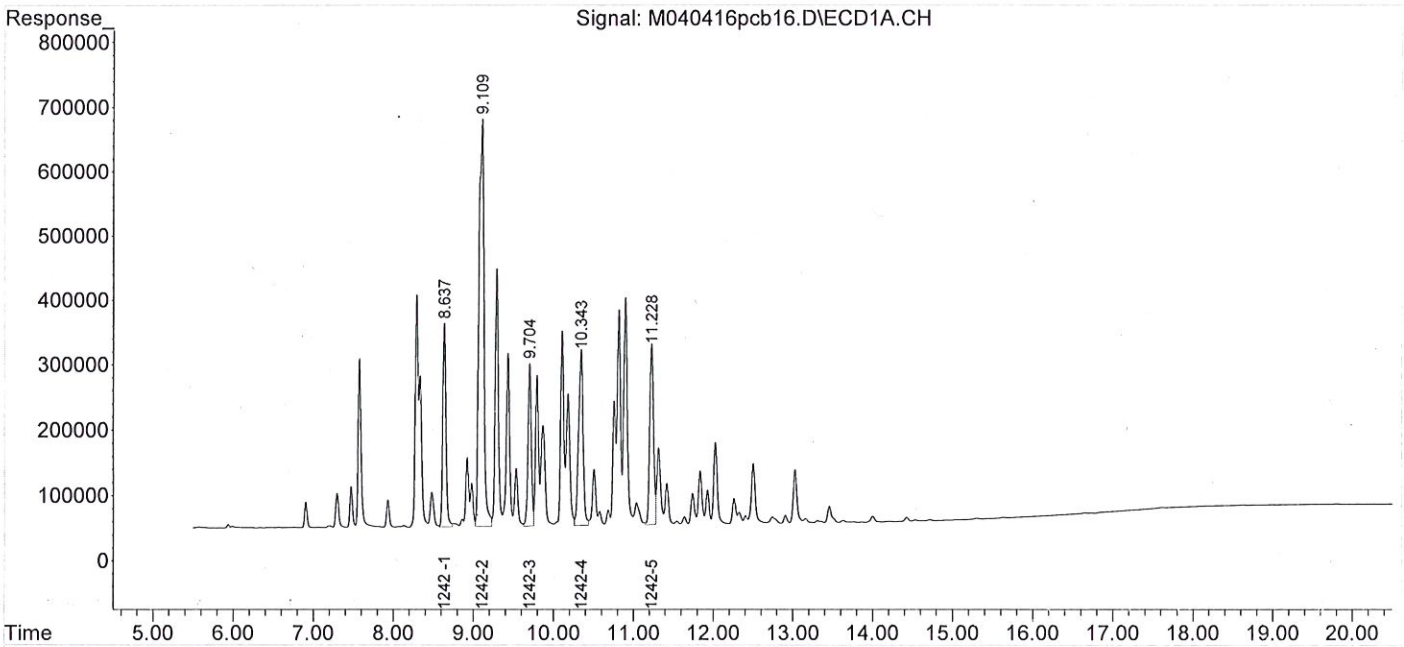
4/11/16

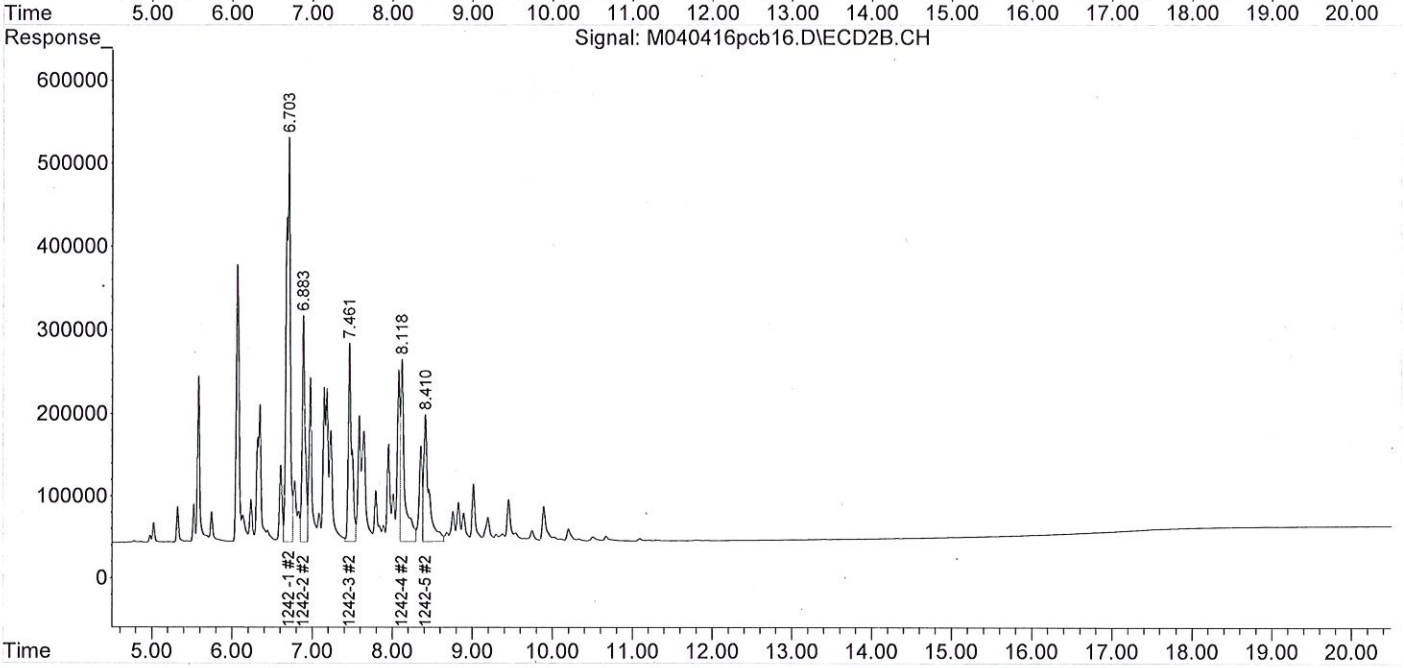
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 2:59 pm
Operator : DWOOD
Sample : 87PCB021116F
Misc : PCB 1242 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:48 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 14:59 pm
Operator : DWOOD
Sample : 87PCB021116F
Misc : PCB 1242 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 16 (Sig #2) Sample Multiplier: 1

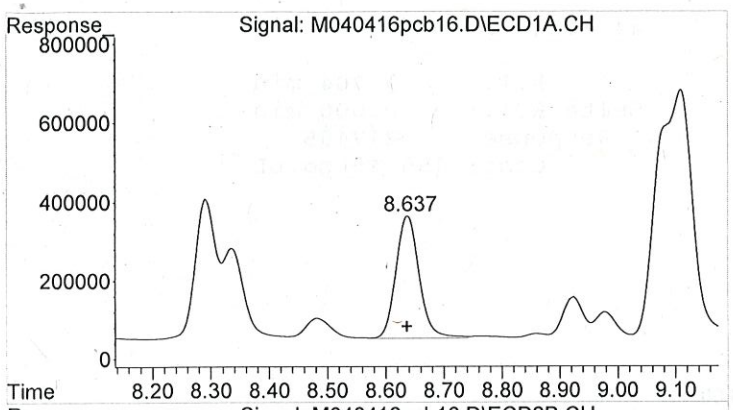
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:26:16 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7) S2 dcb	11.316	0.000	~~116996~~	0	NoCal	N.D.	
Target Compounds							
2) L1 1242 -1	8.638	6.703	312654	488952	326.057	535.803	#
3) L1 1242-2	9.108	6.885	633961	272234	332.286	500.265	#
4) L1 1242-3	9.704	7.462	247485	239071	334.549	455.449	#
5) L1 1242-4	10.343	8.119	269192	219658	336.415	NoCal	#
6) L1 1242-5	11.228	8.412	275183	154862	368.909	NoCal	#
Sum 1242 -1			1738475	1000258	1698.217	1491.517	
Average 1242 -1					339.643	497.172	

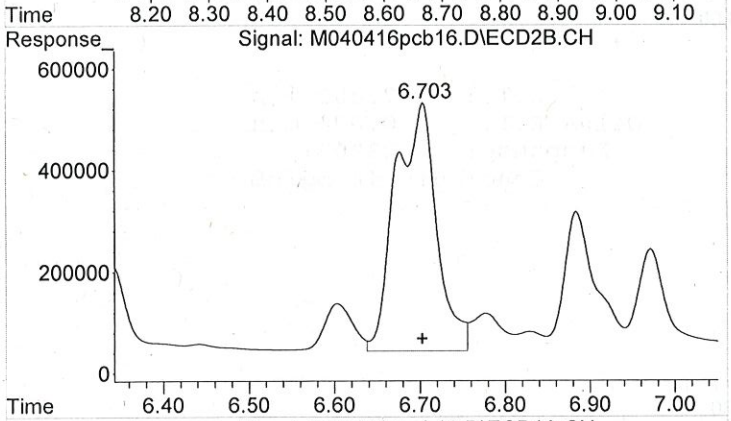
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

4/11/16



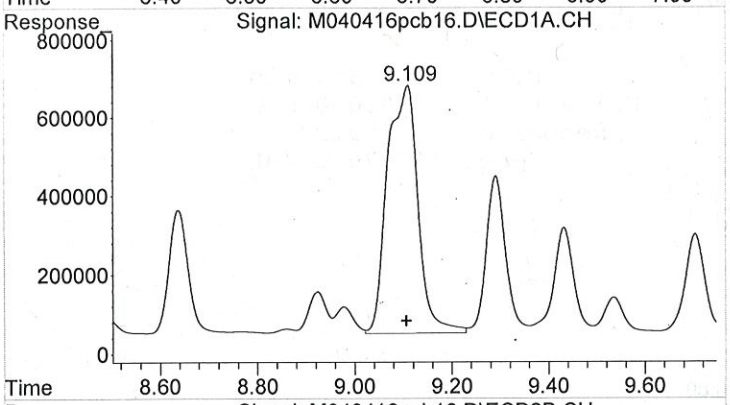
#2 1242 -1

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 312654
Conc: 453.68 pg/uL



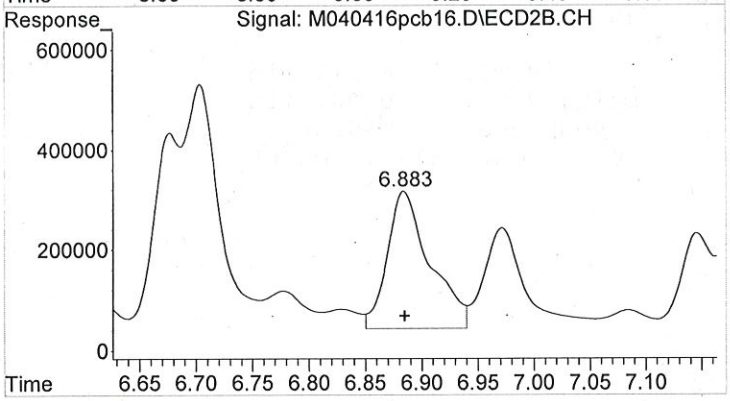
#2 1242 -1

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 488952
Conc: 522.12 pg/uL



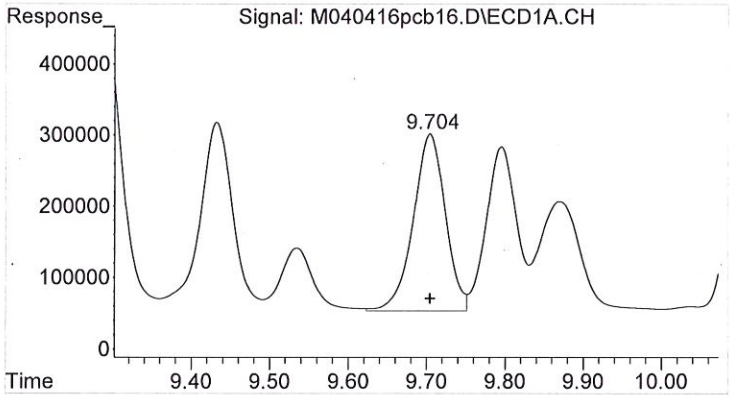
#3 1242-2

R.T.: 9.108 min
Delta R.T.: 0.000 min
Response: 633961
Conc: 452.29 pg/uL



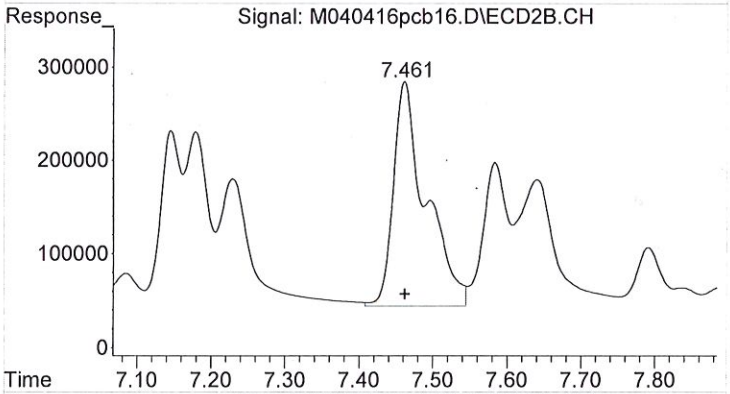
#3 1242-2

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 272234
Conc: 511.16 pg/uL



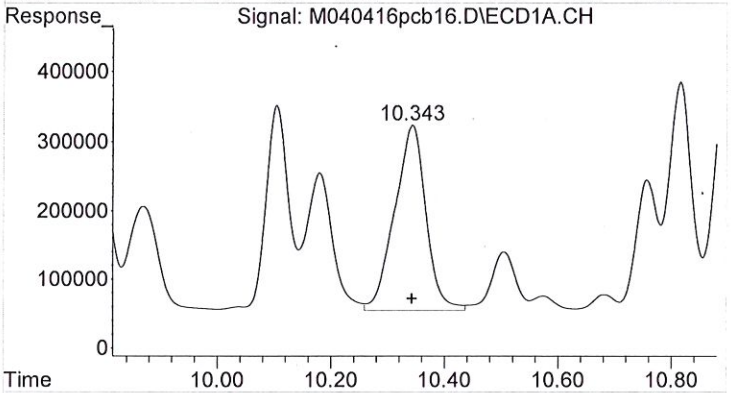
#4 1242-3

R.T.: 9.704 min
Delta R.T.: 0.000 min
Response: 247485
Conc: 455.49 pg/uL



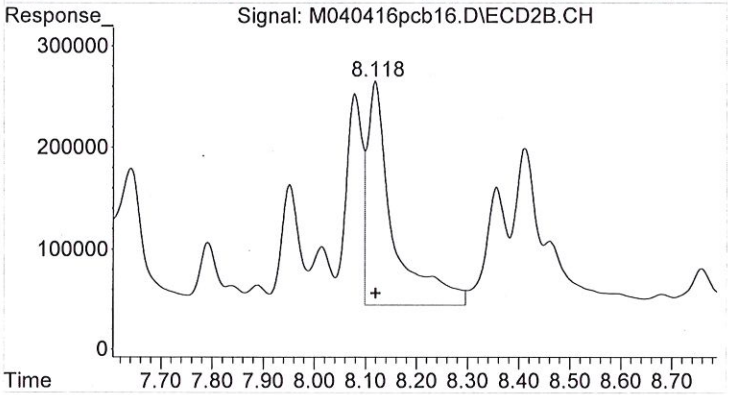
#4 1242-3

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 239071
Conc: 510.44 pg/uL



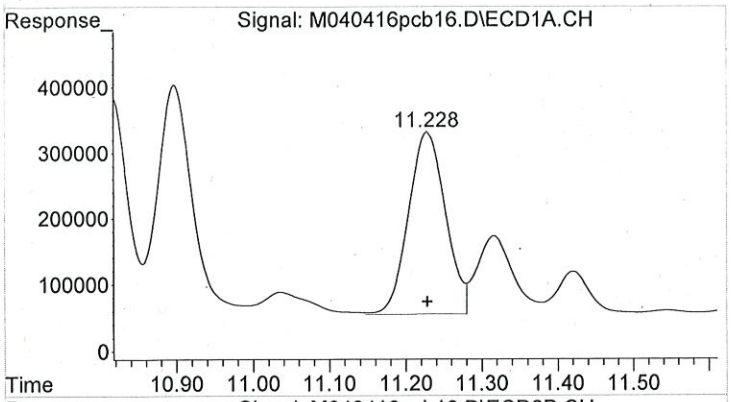
#5 1242-4

R.T.: 10.343 min
Delta R.T.: 0.000 min
Response: 269192
Conc: 453.70 pg/uL



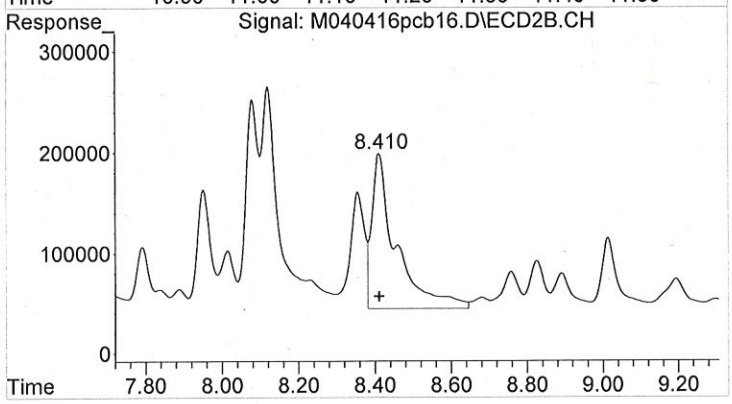
#5 1242-4

R.T.: 8.119 min
Delta R.T.: -0.001 min
Response: 219658
Conc: 519.77 pg/uL



#6 1242-5

R.T.: 11.228 min
Delta R.T.: 0.000 min
Response: 275183
Conc: 444.96 pg/uL



#6 1242-5

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 154862
Conc: 510.08 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 3:24 pm
Operator : DWOOD
Sample : 87PCB021116G
Misc : PCB 1242 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 17 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:58 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. m	N.D. m
Target Compounds						
2) L1 1242 -1	8.636	6.702	565986	891750	1049.476	954.342
3) L1 1242-2	9.106	6.884	1164551	495007	1060.088	934.287
4) L1 1242-3	9.704	7.461	447557	439904	1044.640	943.533
5) L1 1242-4	10.342	8.119	496331	398771	1047.529	945.899
6) L1 1242-5	11.229	8.412	508095	288800	1064.943	954.689
Sum 1242 -1			3182520	2514233	5266.675	4732.750
Average 1242 -1					1053.335	946.550

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

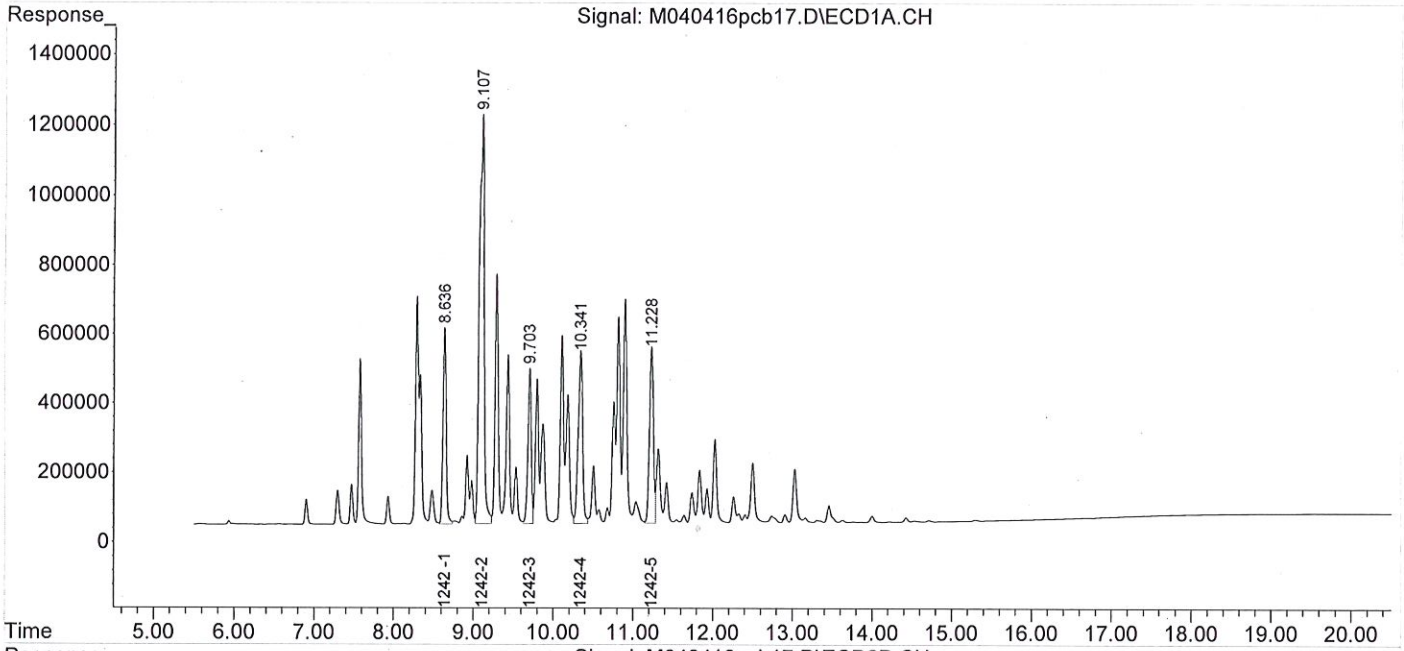
4/11/16

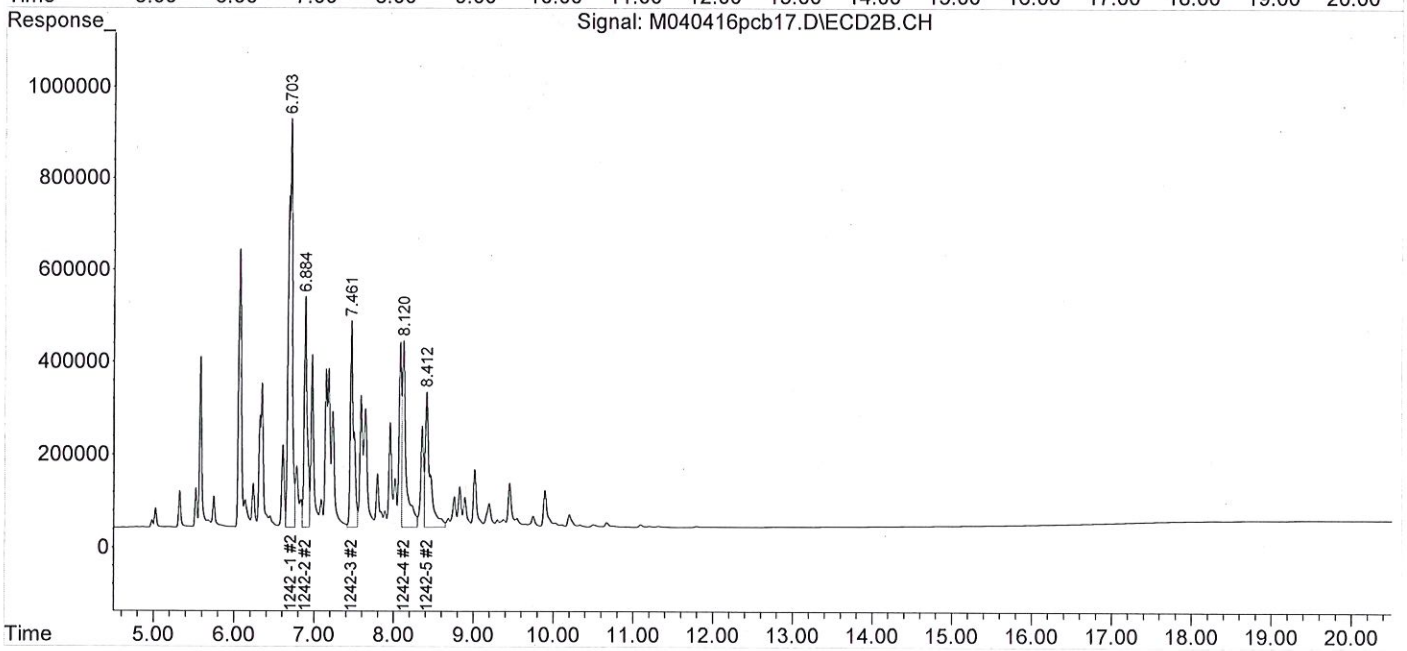
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 3:24 pm
Operator : DWOOD
Sample : 87PCB021116G
Misc : PCB 1242 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 17 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:40:58 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 15:24 pm
Operator : DWOOD
Sample : 87PCB021116G
Misc : PCB 1242 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 17 (Sig #2) Sample Multiplier: 1

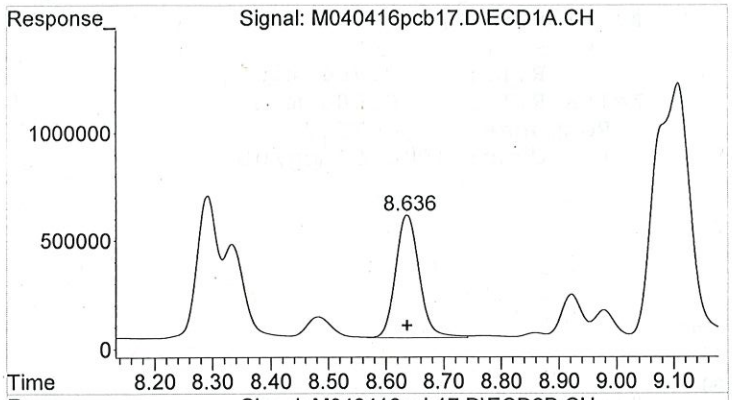
Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:26:31 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:15:38 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7) S2 dcb	11.316	0.000	~~212409~~ m	0	NoCal	N.D.	
Target Compounds							
2) L1 1242 -1	8.636	6.702	565986	891750	590.249	977.196	#
3) L1 1242-2	9.106	6.884	1164551	495007	610.390	909.639	#
4) L1 1242-3	9.704	7.461	447557	439904	605.007	838.050	#
5) L1 1242-4	10.342	8.119	496331	398771	620.277	NoCal	#
6) L1 1242-5	11.229	8.412	508095	288800	681.150	NoCal	#
Sum 1242 -1			3182520	1826662	3107.072	2724.885	
Average 1242 -1					621.414	908.295	

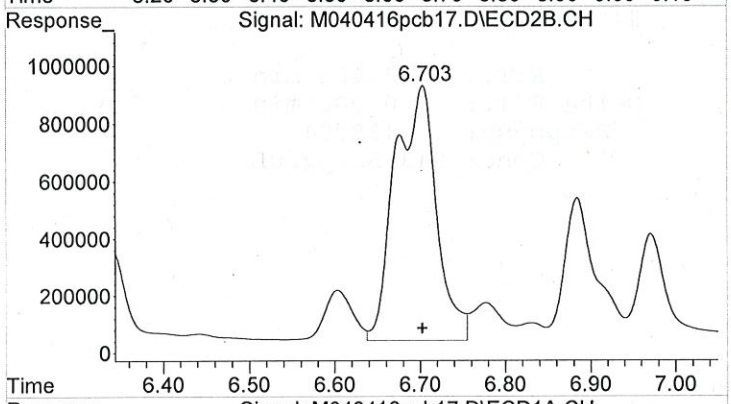
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

m
4/11/16



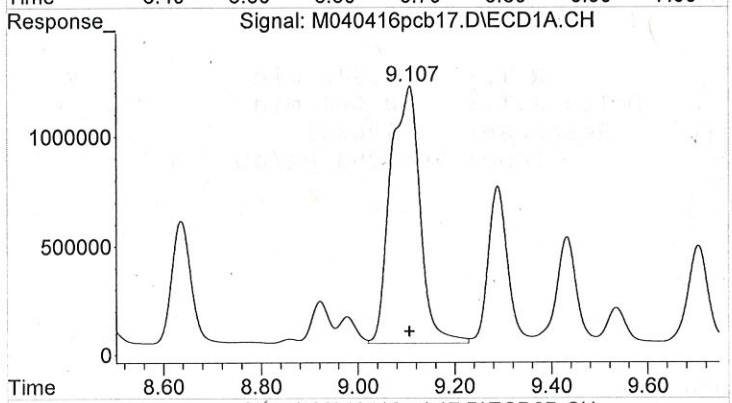
#2 1242 -1

R.T.: 8.636 min
Delta R.T.: 0.000 min
Response: 565986
Conc: 1049.48 pg/uL



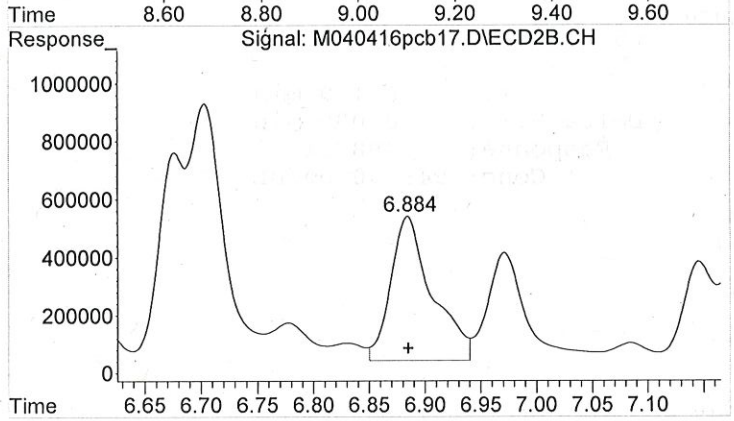
#2 1242 -1

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 891750
Conc: 954.34 pg/uL



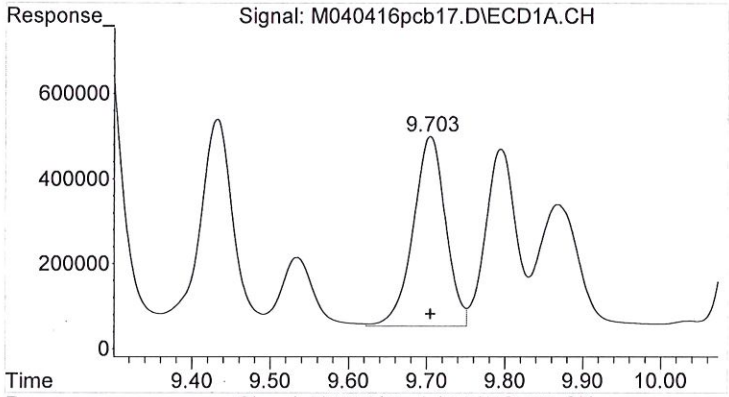
#3 1242-2

R.T.: 9.106 min
Delta R.T.: 0.000 min
Response: 1164551
Conc: 1060.09 pg/uL



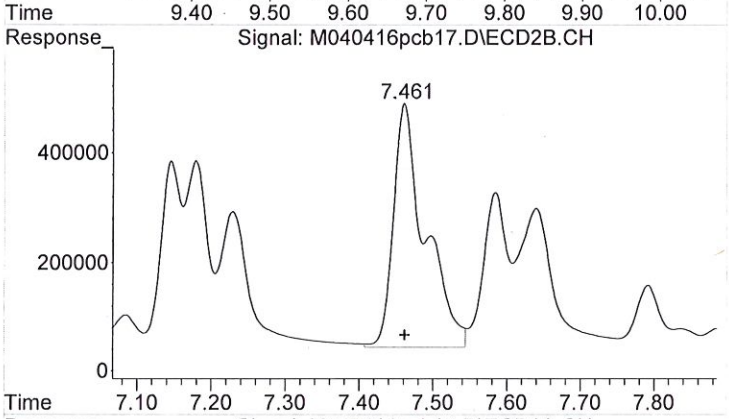
#3 1242-2

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 495007
Conc: 934.29 pg/uL



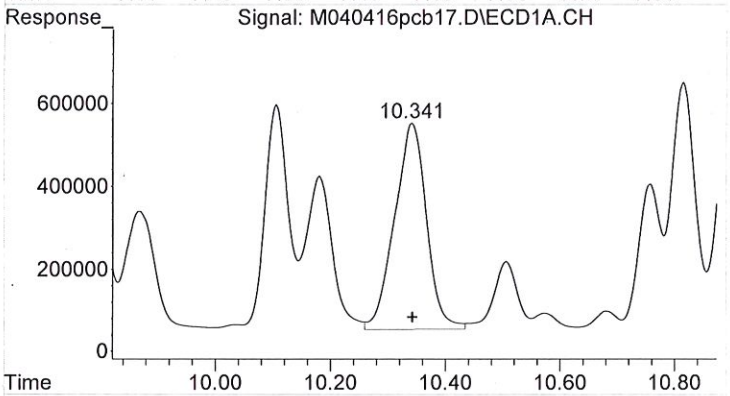
#4 1242-3

R.T.: 9.704 min
Delta R.T.: 0.000 min
Response: 447557
Conc: 1044.64 pg/uL



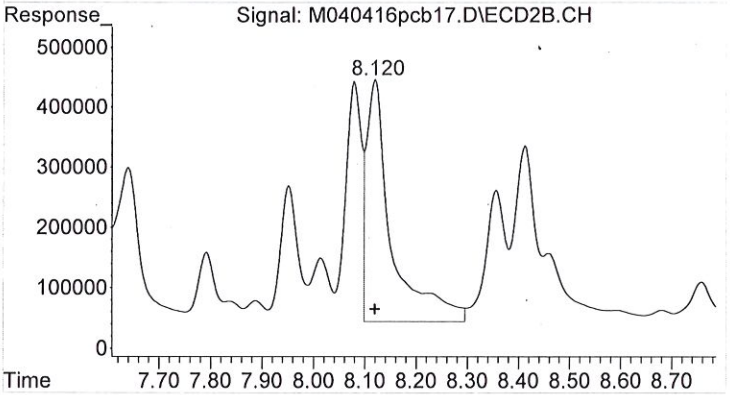
#4 1242-3

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 439904
Conc: 943.53 pg/uL



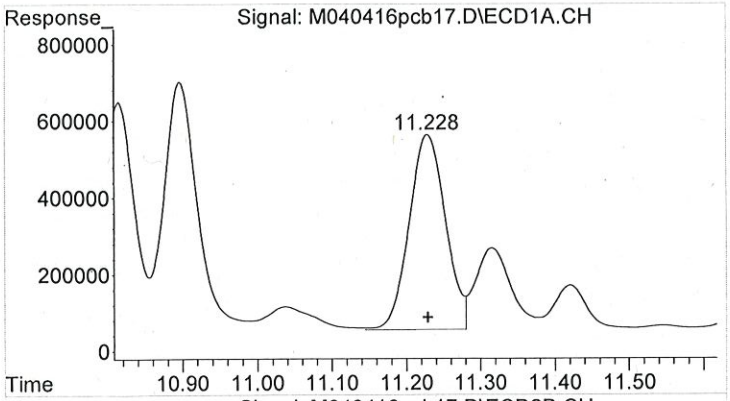
#5 1242-4

R.T.: 10.342 min
Delta R.T.: -0.001 min
Response: 496331
Conc: 1047.53 pg/uL



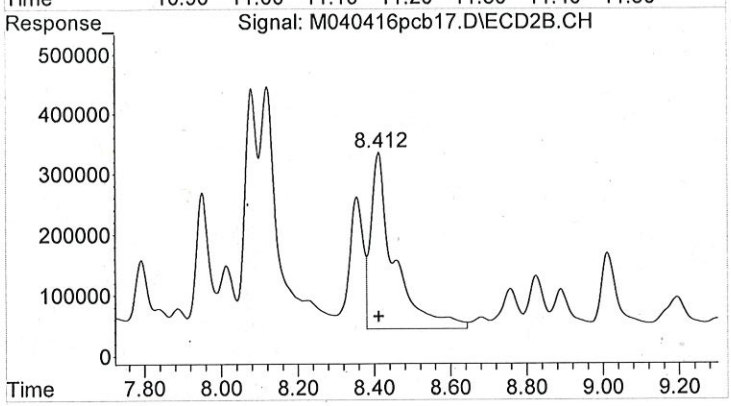
#5 1242-4

R.T.: 8.119 min
Delta R.T.: 0.000 min
Response: 398771
Conc: 945.90 pg/uL



#6 1242-5

R.T.: 11.229 min
Delta R.T.: 0.000 min
Response: 508095
Conc: 1064.94 pg/uL



#6 1242-5

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 288800
Conc: 954.69 pg/uL

SSV

PCB ~~CCV~~ Report 70-130%

CP 4/11/16

Data File....: M040416pcb18.D
Dataname.....: 87PCB020816C
Analyzed.....: 04/04/2016 15:48

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb18.D SSV 1242 100pg/uL
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB1242.M

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	- >±1%	4.24	-	10	-	-	
	dcb	11.31	11.35	36974	10	0	-	
	tmx (1) #2	- >±1%	3.06	-	10	-	-	
	dcb #2	- >±1%	8.20	-	10	-	-	
Target					Criteria range: <±20%D			
	1242 -1	8.64	8.64	79012	100	97.5	-2.5	
	1242-2	9.11	9.11	161363	100	98.2	-1.8	
	1242-3	9.70	9.71	66945	100	105	4.9	
	1242-4	10.34	10.34	67466	100	97.6	-2.4	
	1242-5	11.23	11.23	66245	100	91.7	-8.3	
	1242 -1 #2	6.70	6.70	100851	100	106	5.7	
	1242-2 #2	6.89	6.88	58681	100	106	5.5	
	1242-3 #2	7.46	7.46	53700	100	111	11	
	1242-4 #2	8.12	8.12	45012	100	104	4.3	
	1242-5 #2	8.41	8.41	37110	100	119	19	

Average %Difference:	%Diff
1242 Column 1 (n=5)	-2.0
1242 Column 2 (n=5)	9.1

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 3:48 pm
Operator : DWOOD
Sample : 87PCB020816C
Misc : SSV 1242 100pg/uL
ALS Vial : 0 (Sig #1); 18 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:42:56 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.314	0.000	~~36974~~	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.637	6.703	79012	100851	97.548	105.670
3) L1 1242-2	9.107	6.885	161363	58681	98.162	105.543
4) L1 1242-3	9.704	7.461	66945	53700	104.913	110.681
5) L1 1242-4	10.342	8.119	67466	45012	97.597	104.277
6) L1 1242-5	11.228	8.411	66245	37110	91.745	119.208 #
Sum 1242 -1			441032	295355	489.965	545.379
Average 1242 -1					97.993	109.076

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

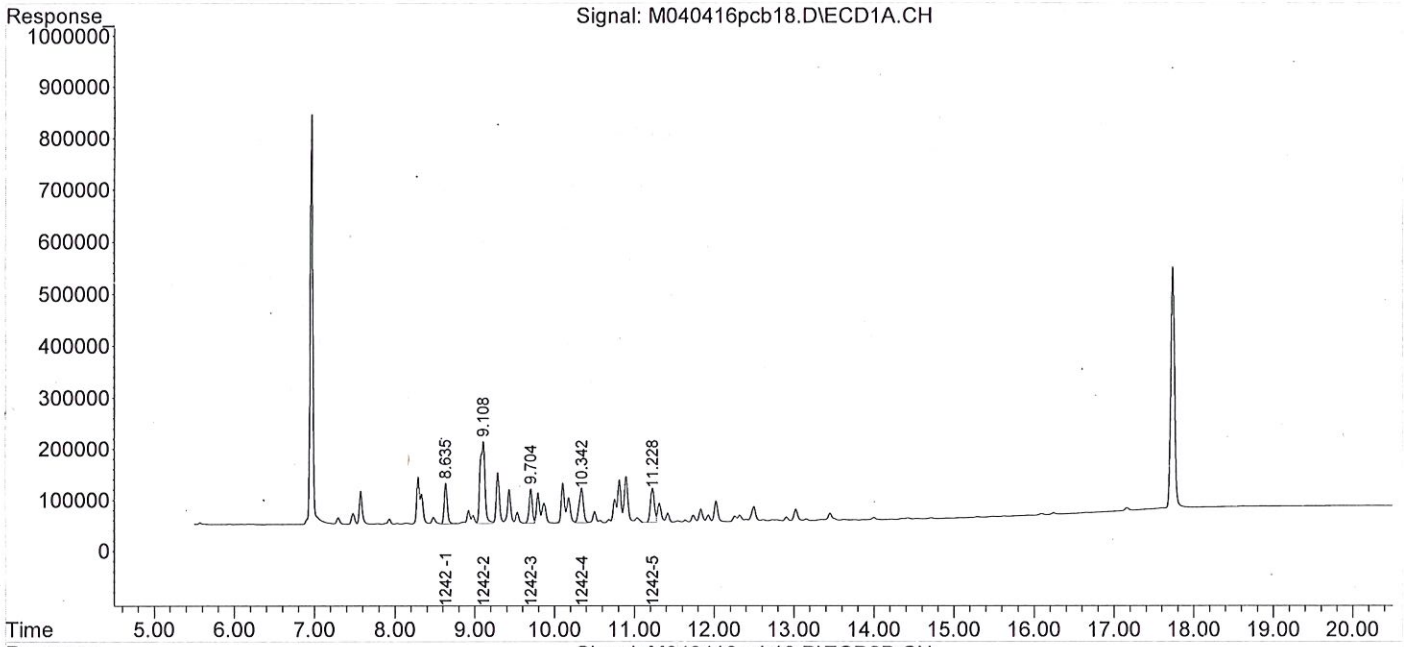
4/11/16

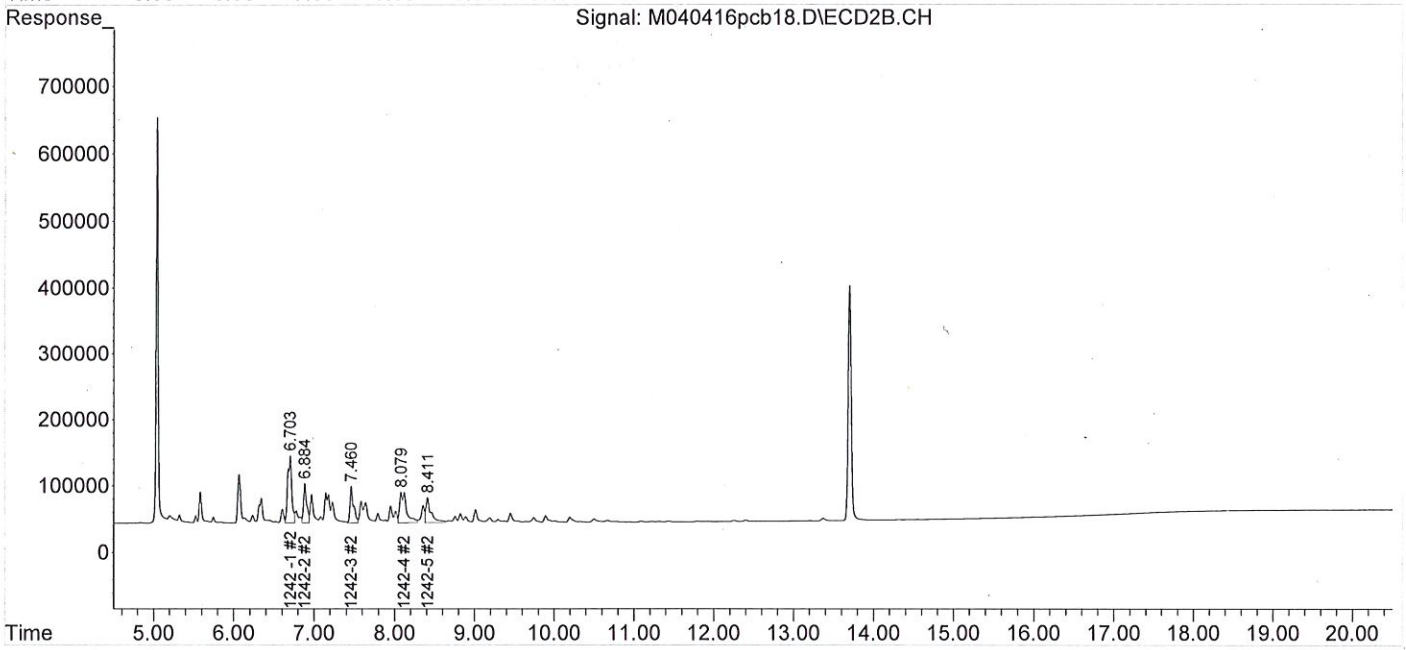
Quantitation Report (QT Reviewed)

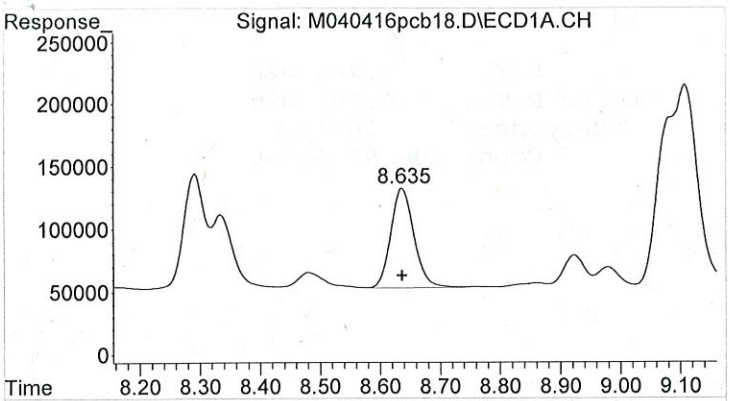
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 3:48 pm
Operator : DWOOD
Sample : 87PCB020816C
Misc : SSV 1242 100pg/uL
ALS Vial : 0 (Sig #1); 18 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:42:56 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

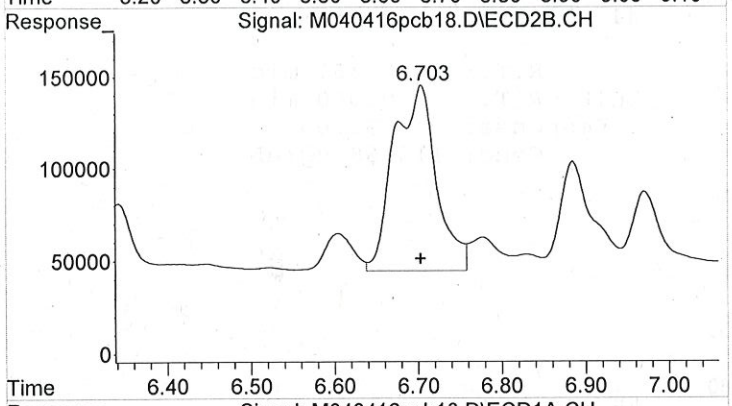






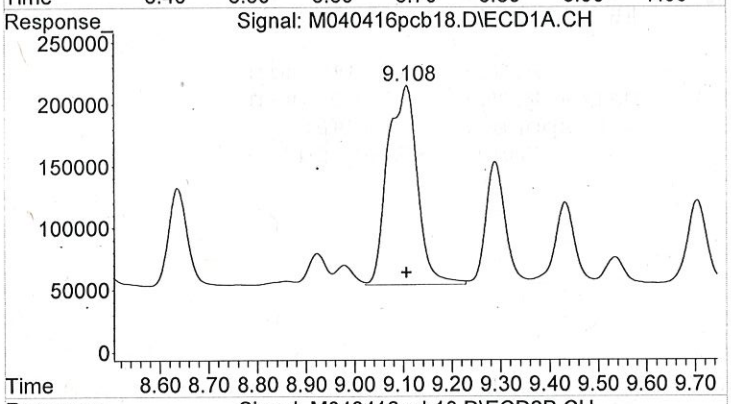
#2 1242 -1

R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 79012
Conc: 97.55 pg/uL



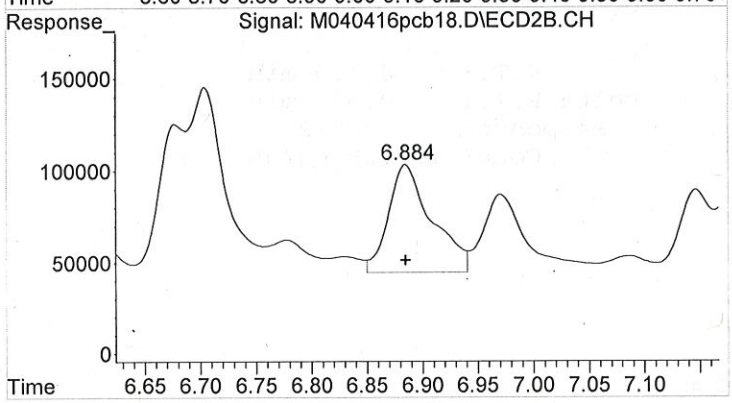
#2 1242 -1

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 100851
Conc: 105.67 pg/uL



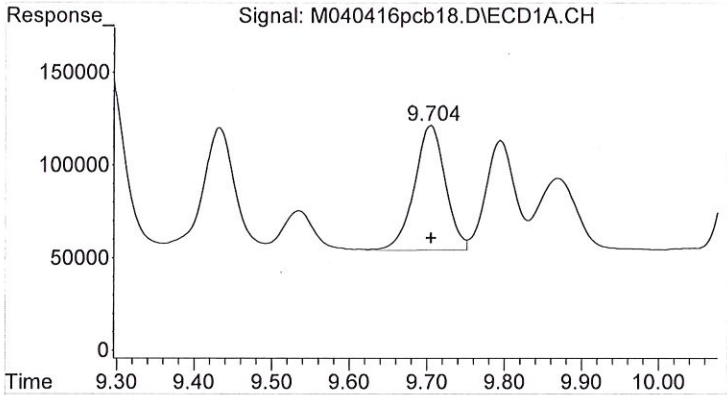
#3 1242-2

R.T.: 9.107 min
Delta R.T.: 0.000 min
Response: 161363
Conc: 98.16 pg/uL



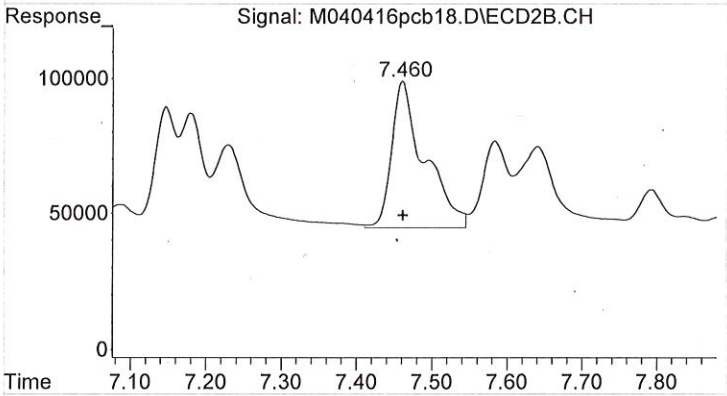
#3 1242-2

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 58681
Conc: 105.54 pg/uL



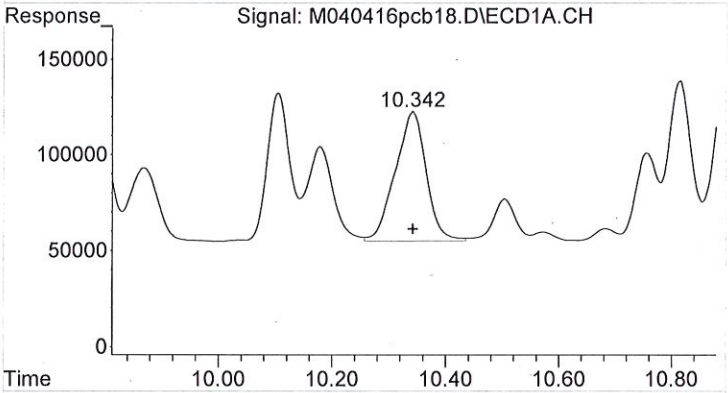
#4 1242-3

R.T.: 9.704 min
Delta R.T.: -0.001 min
Response: 66945
Conc: 104.91 pg/uL



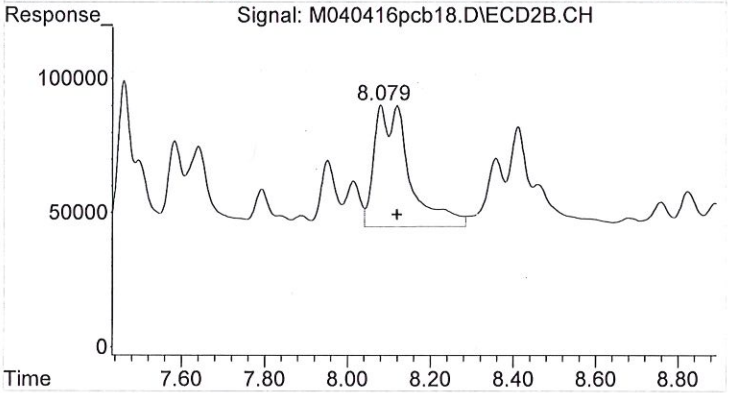
#4 1242-3

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 53700
Conc: 110.68 pg/uL



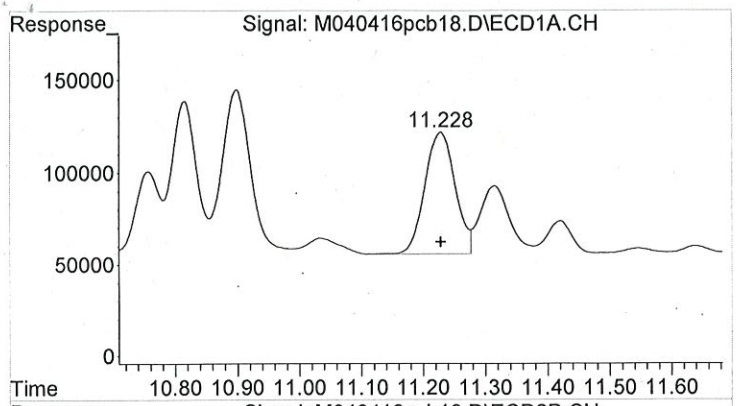
#5 1242-4

R.T.: 10.342 min
Delta R.T.: 0.000 min
Response: 67466
Conc: 97.60 pg/uL



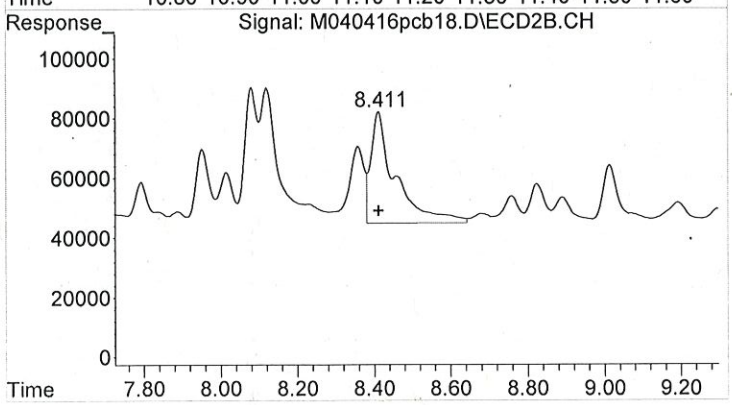
#5 1242-4

R.T.: 8.119 min
Delta R.T.: 0.000 min
Response: 45012
Conc: 104.28 pg/uL



#6 1242-5

R.T.: 11.228 min
Delta R.T.: -0.001 min
Response: 66245
Conc: 91.75 pg/uL



#6 1242-5

R.T.: 8.411 min
Delta R.T.: -0.001 min
Response: 37110
Conc: 119.21 pg/uL

- Daily CCVs for the ICAL
    a. CCV Evaluation (ContCal – Eval Datafile as CC)
    b. Custom Report, if available
    c. Quan Report Report (Quant – Generate Report – Summary)
    d. Peak Graphics (@Cmd Line –Thumbnail)

PCB CCV Report

Data File....: M040416pcb24.D
Dataname.....: 87PCB032916C
Analyzed.....: 04/04/2016 18:26

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb24.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.97	394549	10	10.7	7.5	
	dcb	17.73	17.74	236557	10	10.7	6.7	
	tmx (1) #2	5.04	5.04	276058	10	10.1	1.1	
	dcb #2	13.70	13.70	174728	10	10.5	5.0	
Target					Criteria range: <±20%D			
	1016 -1	8.29	8.29	102432	100	110	10	
	1016-2	8.63	8.64	86757	100	106	6.3	
	1016-3	9.29	9.29	110583	100	108	8.4	
	1016-4	9.43	9.43	73451	100	108	8.4	
	1016-5	10.10	10.11	81532	100	107	6.8	
	1260-1	12.90	12.91	194247	100	110	9.5	
	1260-2	13.45	13.45	191892	100	109	8.5	
	1260-3	13.76	13.76	150764	100	113	13	
	1260-4	14.22	14.22	143960	100	112	12	
	1260-5	14.71	14.72	299603	100	107	7.1	
	1016 -1 #2	5.58	5.58	50285	100	102	1.9	
	1016-2 #2	6.07	6.07	82854	100	104	3.8	
	1016-3 #2	6.70	6.70	108306	100	98.8	-1.2	
	1016-4 #2	6.89	6.89	65889	100	101	1.4	
	1016-5 #2	7.46	7.46	55449	100	98.4	-1.6	
	1260-1 #2	9.30	9.30	95028	100	99.7	-0.32	
	1260-2 #2	9.74	9.74	134824	100	101	1.2	
	1260-3 #2	10.20	10.20	103648	100	98.6	-1.4	
	1260-4 #2	11.31	11.31	177571	100	96.0	-4.0	
	1260-5 #2	11.79	11.80	85231	100	94.9	-5.1	

Average %Difference:	%Diff
1016 Column 1 (n=5)	8.0
1016 Column 2 (n=5)	0.88
1260 Column 1 (n=5)	10
1260 Column 2 (n=5)	-1.9

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 6:26 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	6.964	5.039	394549	276058	10.747	10.107
12)	S2 dcb	17.735	13.700	236557	174728	10.668	10.498
	Target Compounds						
2)	L1 1016 -1	8.288	5.581	102432	50285	109.987	101.933
3)	L1 1016-2	8.634	6.065	86757	82854	106.328	103.804
4)	L1 1016-3	9.287	6.703	110583	108306	108.401	98.812
5)	L1 1016-4	9.429	6.885	73451	65889	108.374	101.413
6)	L1 1016-5	10.101	7.461	81532	55449	106.821	98.436
	Sum 1016 -1			454754	362783	539.912	504.398
	Average 1016 -1					107.982	100.880
7)	L2 1260-1	12.903	9.298	194247	95028	109.549	99.682
8)	L2 1260-2	13.451	9.743	191892	134824	108.543	101.198
9)	L2 1260-3	13.759	10.195	150764	103648	113.274	98.591
10)	L2 1260-4	14.215	11.311	143960	177571	111.981	95.980
11)	L2 1260-5	14.712	11.792	299603	85231	107.061	94.921
	Sum 1260-1			980465	596302	550.407	490.373
	Average 1260-1					110.081	98.075

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

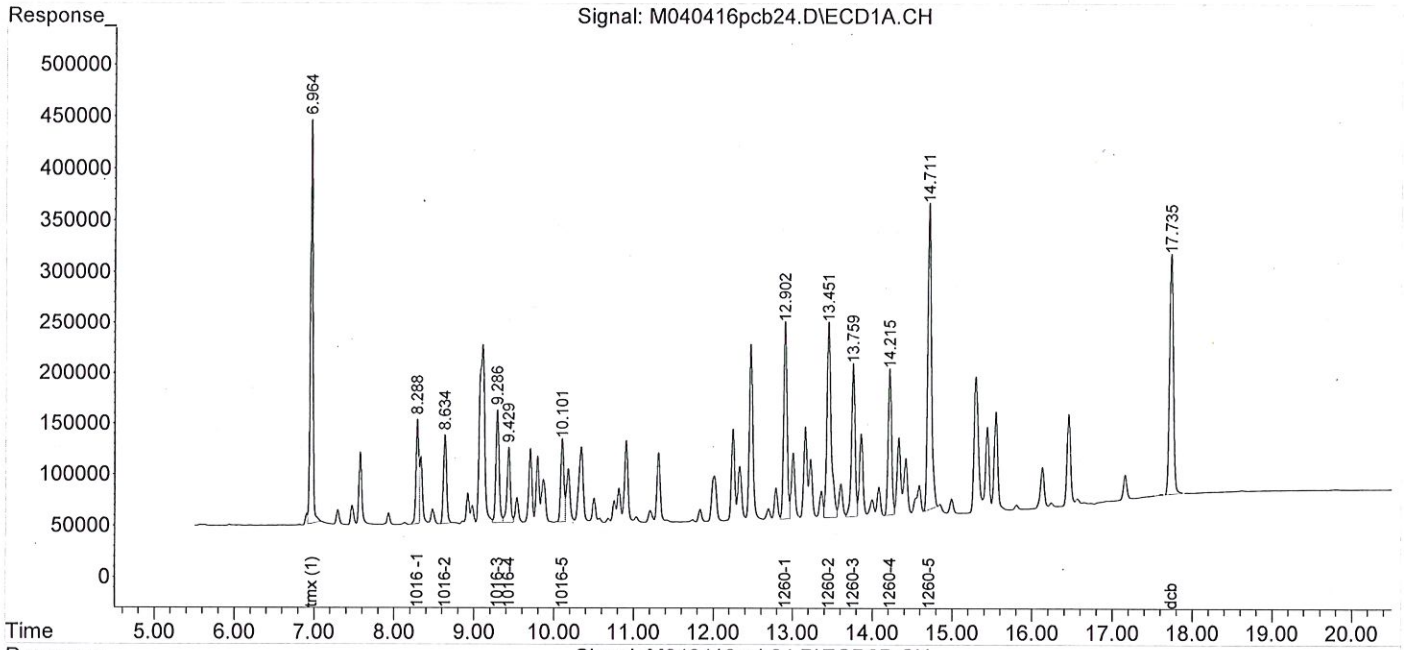
lw
4/6/16

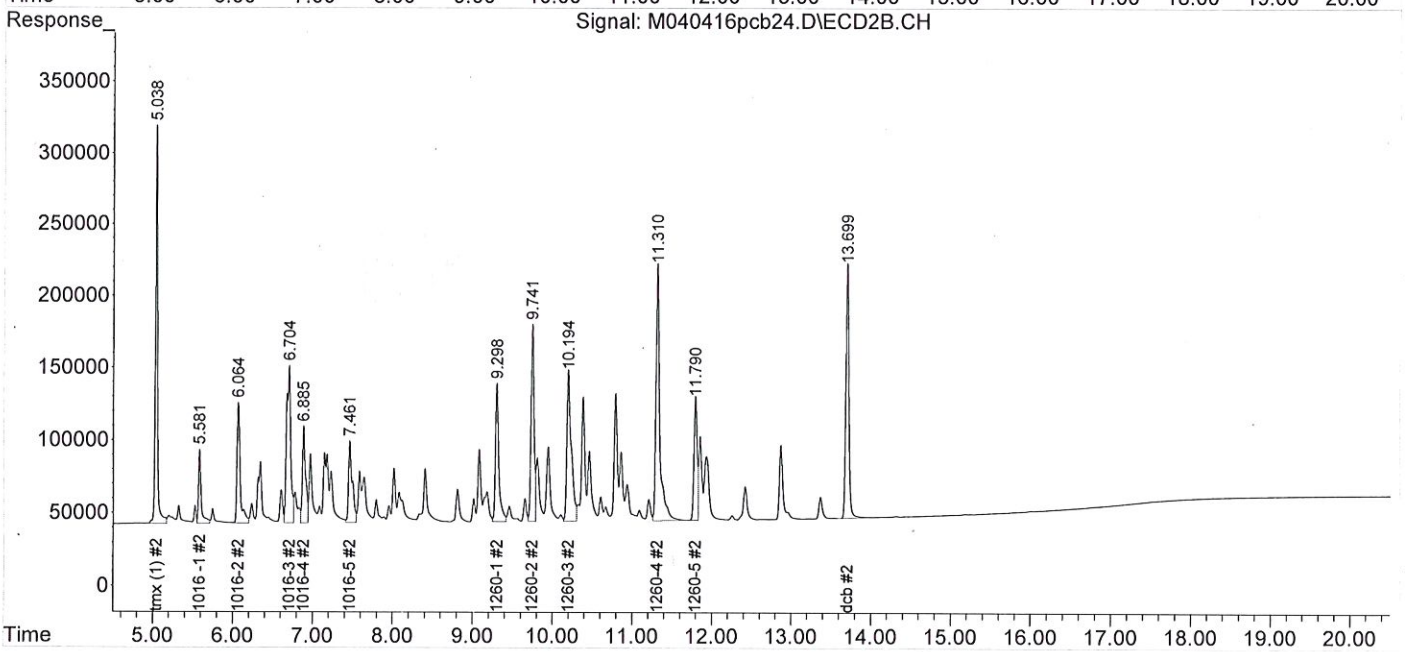
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 6:26 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 6:26 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	6.964	5.039	394549	276058	10.747	10.107
12)	S2 dcb	17.735	13.700	236557	174728	10.668	10.498
	Target Compounds						
2)	L1 1016 -1	8.288	5.581	102432	50285	109.987	101.933
3)	L1 1016-2	8.634	6.065	86757	82854	106.328	103.804
4)	L1 1016-3	9.287	6.703	110583	108306	108.401	98.812
5)	L1 1016-4	9.429	6.885	73451	65889	108.374	101.413
6)	L1 1016-5	10.101	7.461	81532	55449	106.821	98.436
	Sum 1016 -1			454754	362783	539.912	504.398
	Average 1016 -1					107.982	100.880
7)	L2 1260-1	12.903	9.298	194247	95028	109.549	99.682
8)	L2 1260-2	13.451	9.743	191892	134824	108.543	101.198
9)	L2 1260-3	13.759	10.195	150764	103648	113.274	98.591
10)	L2 1260-4	14.215	11.311	143960	177571	111.981	95.980
11)	L2 1260-5	14.712	11.792	299603	85231	107.061	94.921
	Sum 1260-1			980465	596302	550.407	490.373
	Average 1260-1					110.081	98.075

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

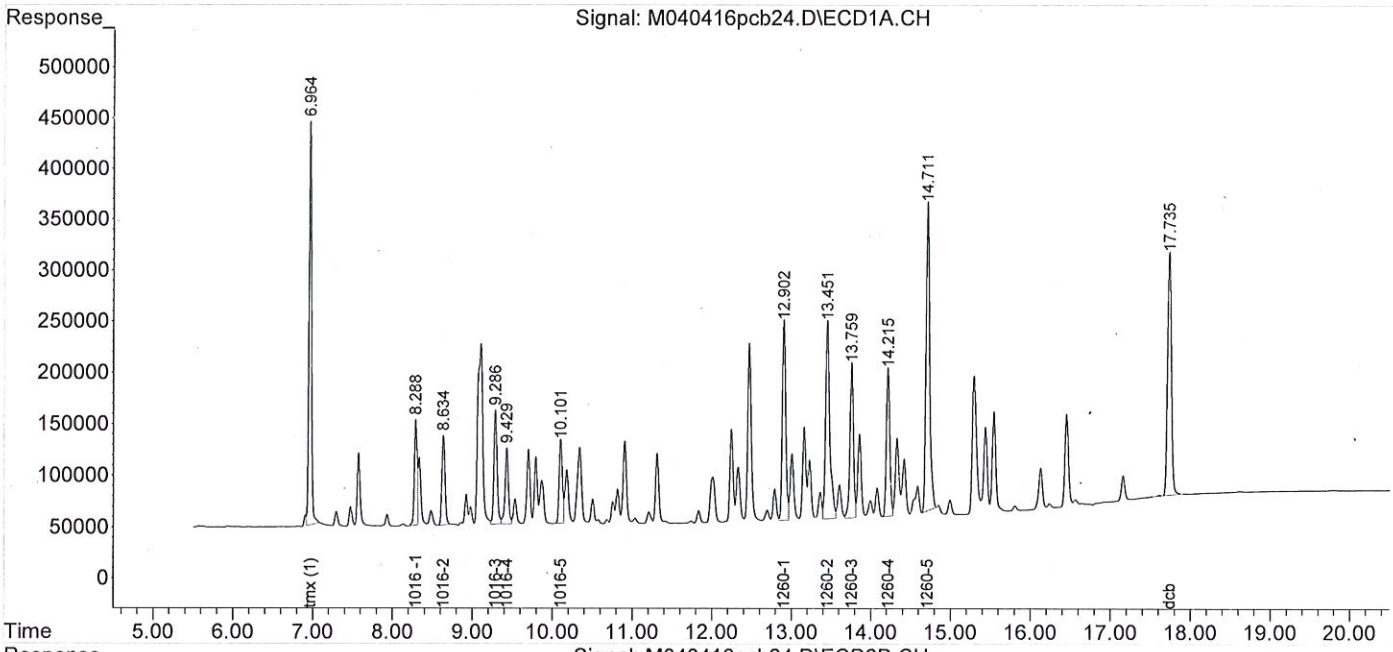
hw 4/6/16

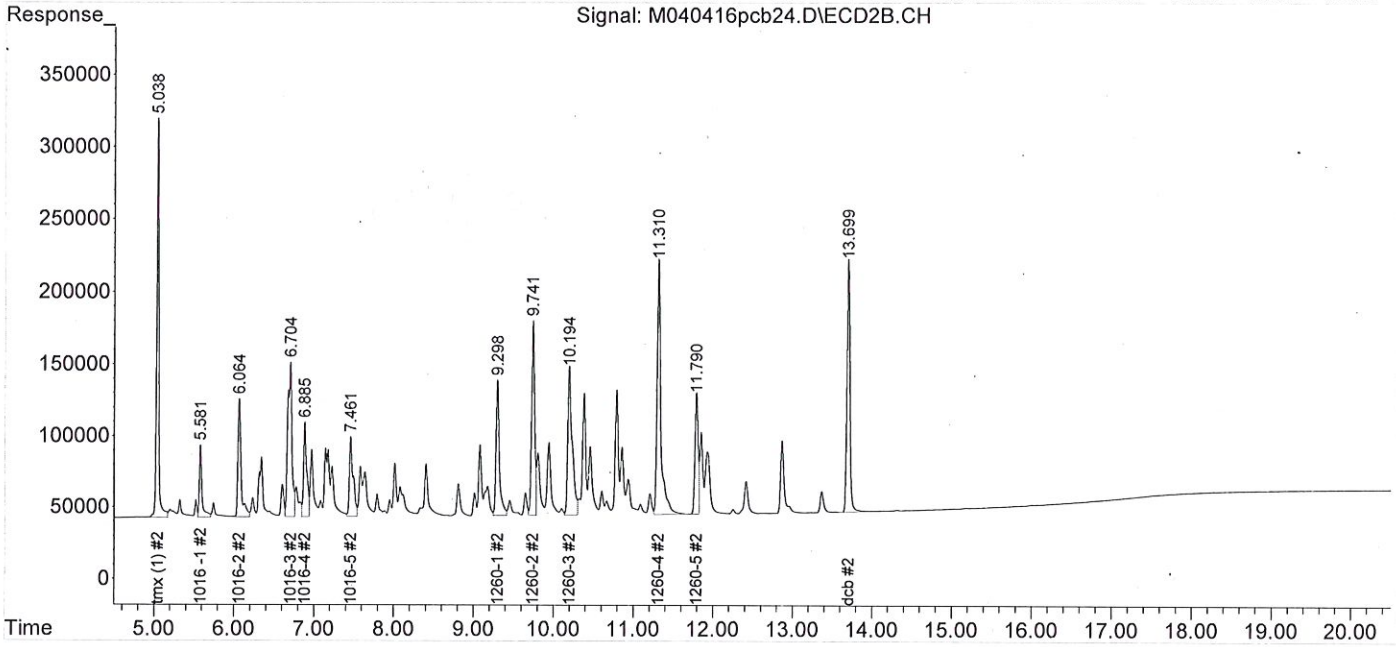
Quantitation Report (Not Reviewed)

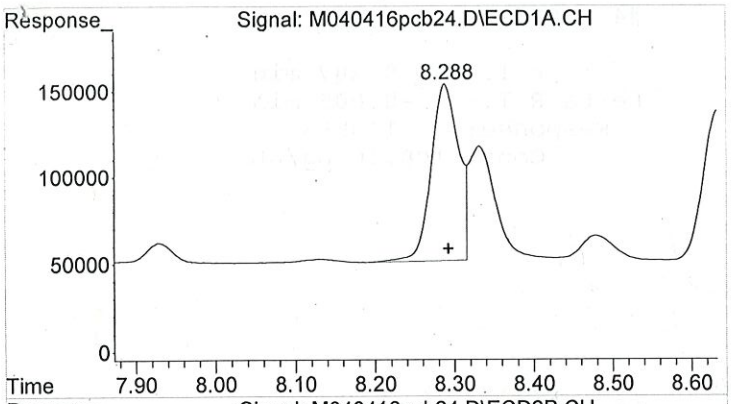
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 6:26 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

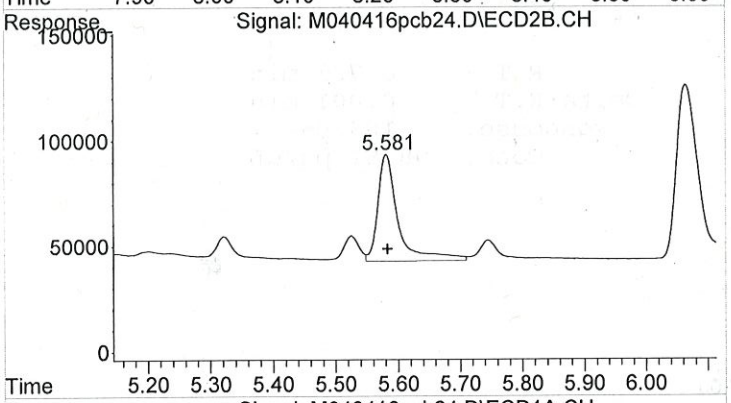






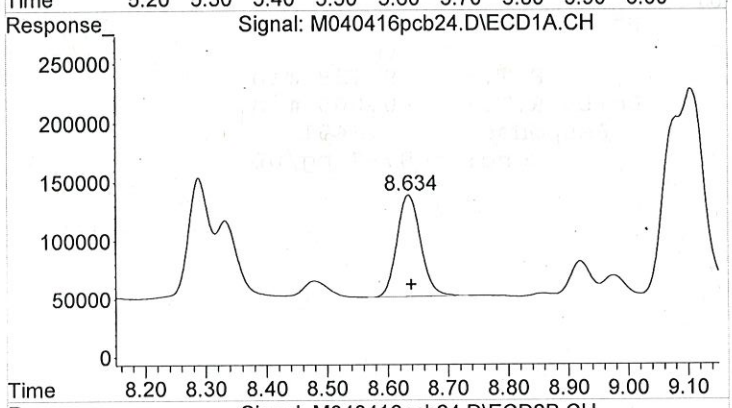
#2 1016 -1

R.T.: 8.288 min
Delta R.T.: -0.005 min
Response: 102432
Conc: 109.99 pg/uL



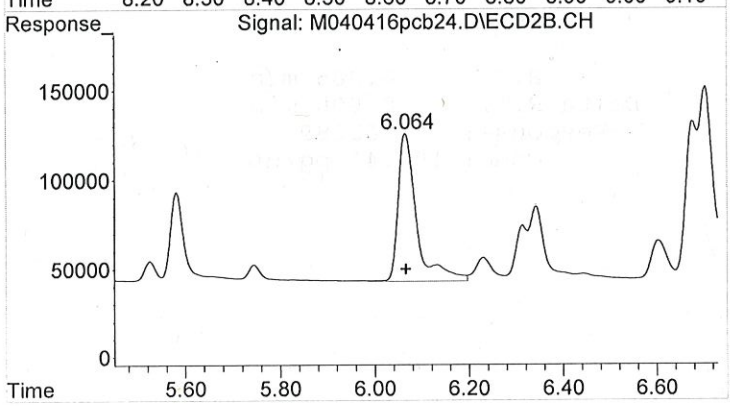
#2 1016 -1

R.T.: 5.581 min
Delta R.T.: -0.002 min
Response: 50285
Conc: 101.93 pg/uL



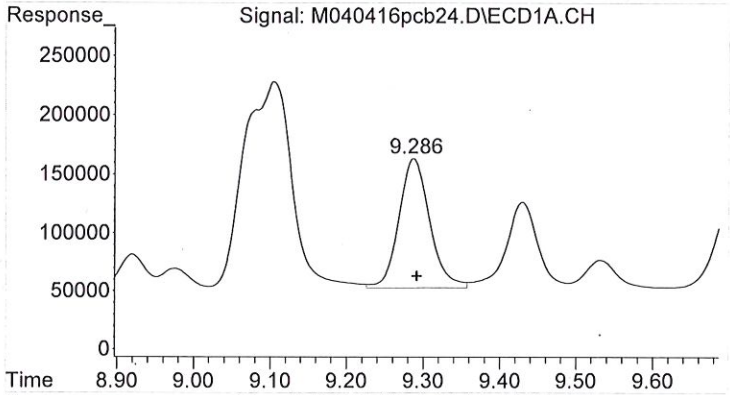
#3 1016-2

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 86757
Conc: 106.33 pg/uL



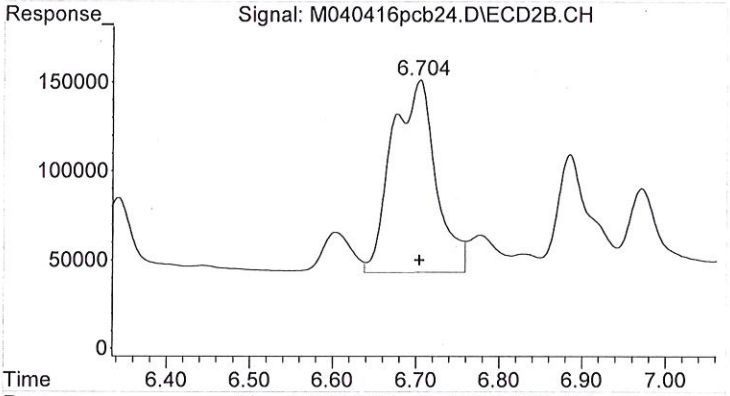
#3 1016-2

R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 82854
Conc: 103.80 pg/uL



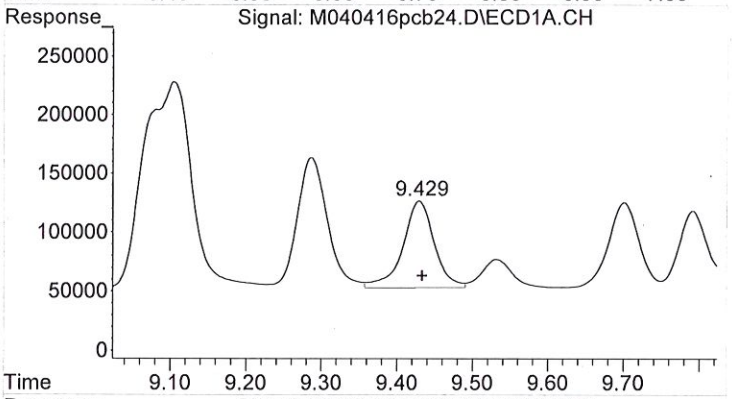
#4 1016-3

R.T.: 9.287 min
Delta R.T.: -0.005 min
Response: 110583
Conc: 108.40 pg/uL



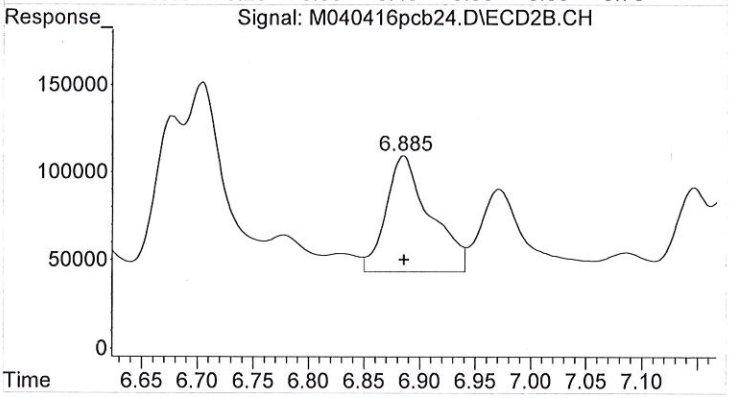
#4 1016-3

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 108306
Conc: 98.81 pg/uL



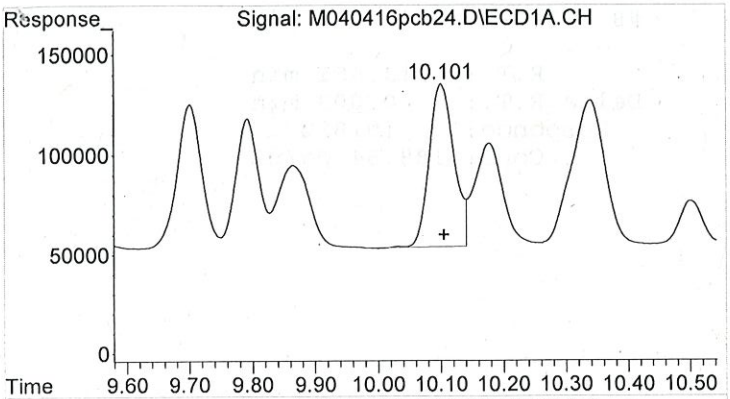
#5 1016-4

R.T.: 9.429 min
Delta R.T.: -0.005 min
Response: 73451
Conc: 108.37 pg/uL



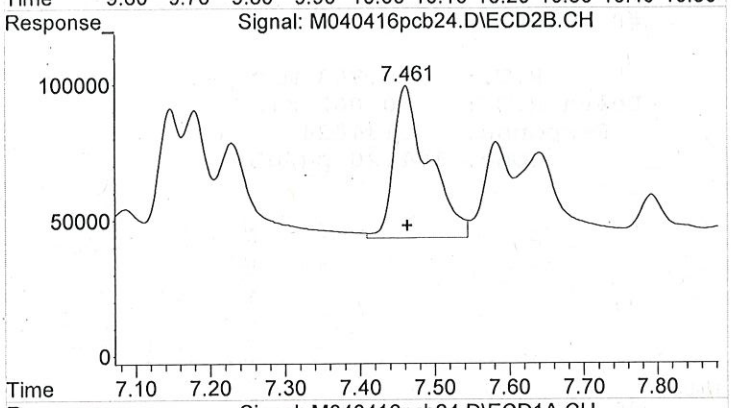
#5 1016-4

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 65889
Conc: 101.41 pg/uL



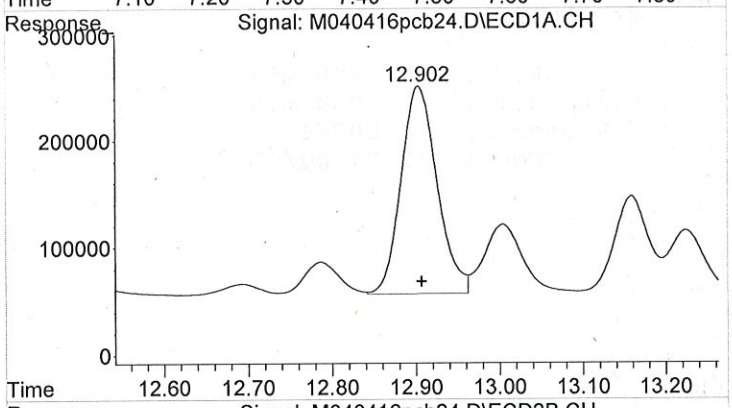
#6 1016-5

R.T.: 10.101 min
Delta R.T.: -0.005 min
Response: 81532
Conc: 106.82 pg/uL



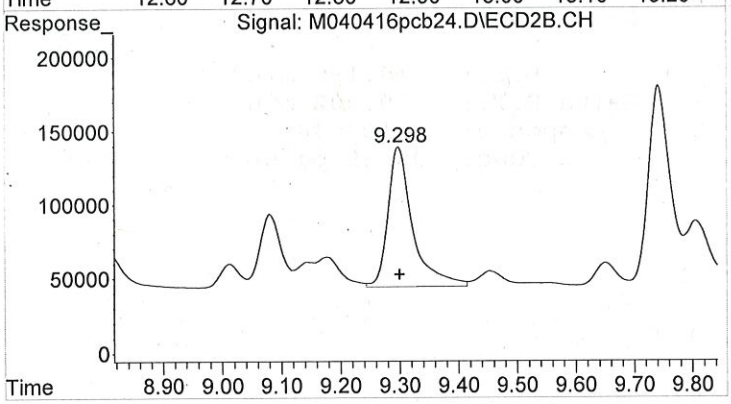
#6 1016-5

R.T.: 7.461 min
Delta R.T.: -0.002 min
Response: 55449
Conc: 98.44 pg/uL



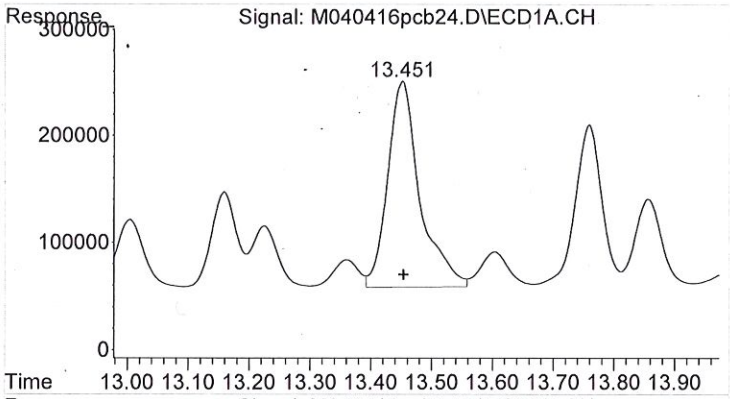
#7 1260-1

R.T.: 12.903 min
Delta R.T.: -0.004 min
Response: 194247
Conc: 109.55 pg/uL



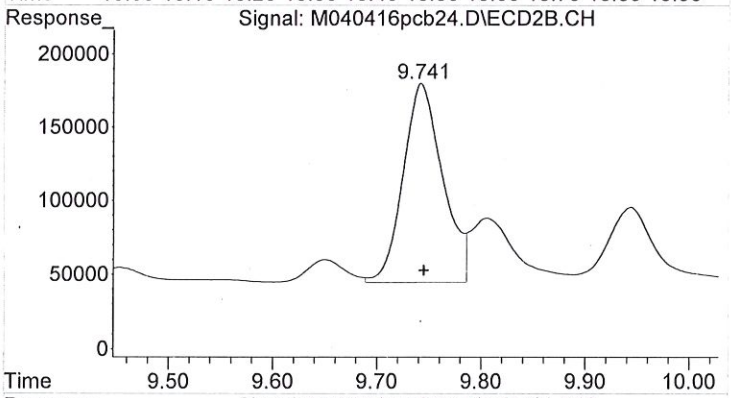
#7 1260-1

R.T.: 9.298 min
Delta R.T.: -0.002 min
Response: 95028
Conc: 99.68 pg/uL



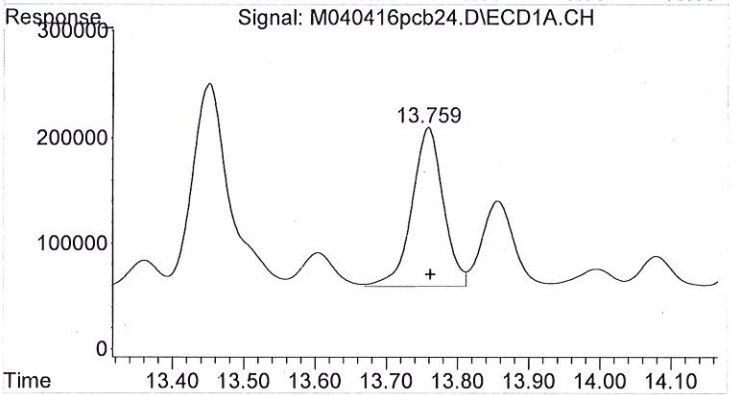
#8 1260-2

R.T.: 13.451 min
Delta R.T.: -0.003 min
Response: 191892
Conc: 108.54 pg/uL



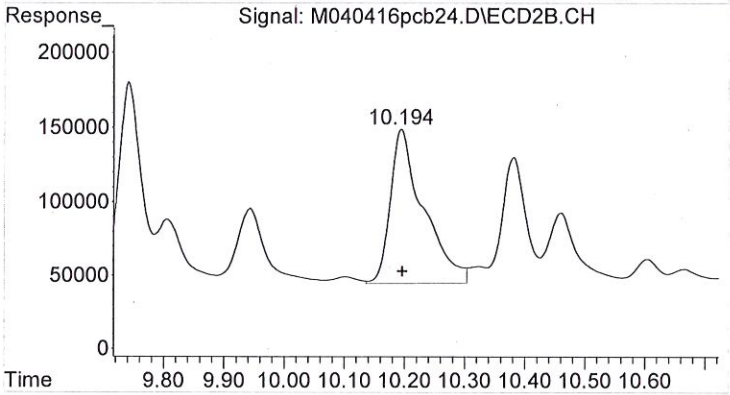
#8 1260-2

R.T.: 9.743 min
Delta R.T.: -0.002 min
Response: 134824
Conc: 101.20 pg/uL



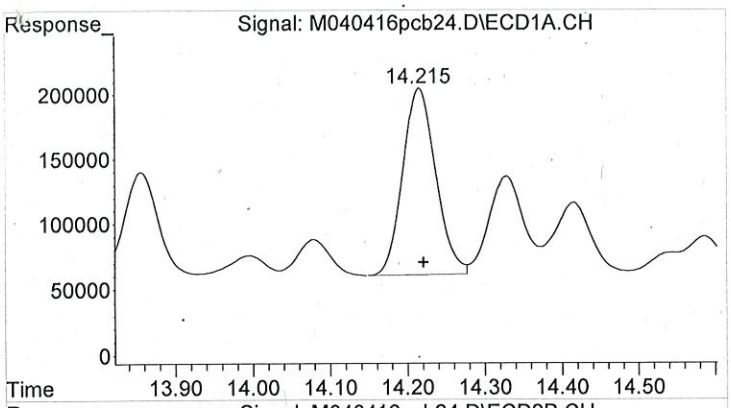
#9 1260-3

R.T.: 13.759 min
Delta R.T.: -0.003 min
Response: 150764
Conc: 113.27 pg/uL



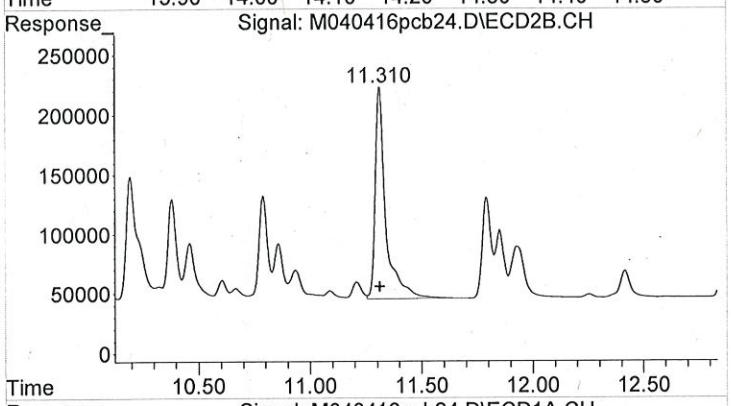
#9 1260-3

R.T.: 10.195 min
Delta R.T.: -0.002 min
Response: 103648
Conc: 98.59 pg/uL



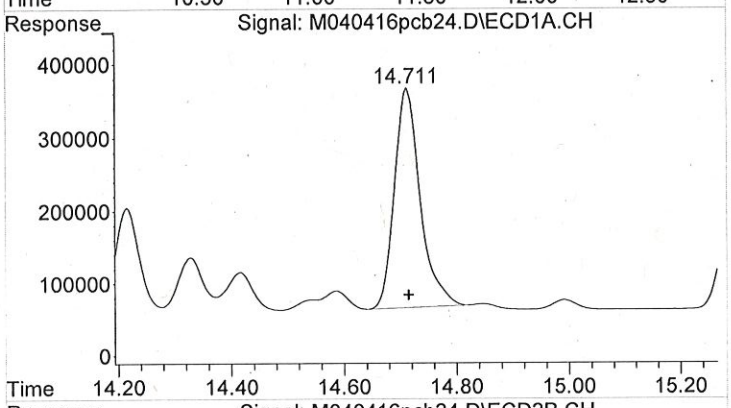
#10 1260-4

R.T.: 14.215 min
Delta R.T.: -0.006 min
Response: 143960
Conc: 111.98 pg/uL



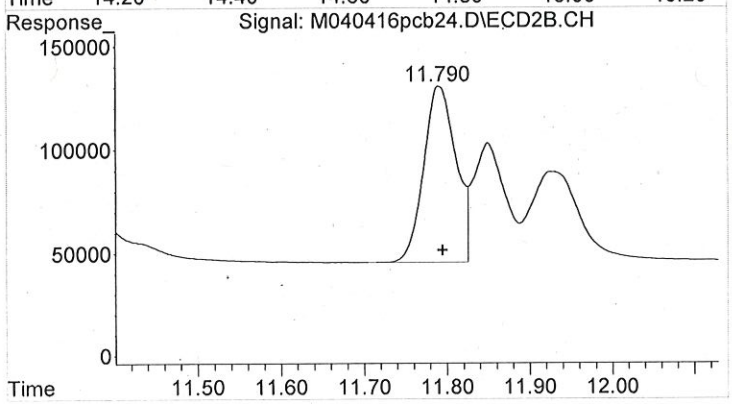
#10 1260-4

R.T.: 11.311 min
Delta R.T.: -0.002 min
Response: 177571
Conc: 95.98 pg/uL



#11 1260-5

R.T.: 14.712 min
Delta R.T.: -0.003 min
Response: 299603
Conc: 107.06 pg/uL



#11 1260-5

R.T.: 11.792 min
Delta R.T.: -0.003 min
Response: 85231
Conc: 94.92 pg/uL

PCB CCV Report

Data File....: M040416pcb36.D
Dataname.....: 87PCB032916C
Analyzed.....: 04/05/2016 1:22

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb36.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.97	381016	10	10.3	3.5	
	dcb	17.73	17.74	213109	10	9.53	-4.7	
	tmx (1) #2	5.04	5.04	313167	10	11.5	15	
	dcb #2	13.70	13.70	214286	10	13.0	30	> ±20%
Target					Criteria range: <±20%D			
	1016 -1	8.29	8.29	95228	100	102	1.5	
	1016-2	8.63	8.64	82412	100	101	0.50	
	1016-3	9.29	9.29	106047	100	104	3.6	
	1016-4	9.43	9.43	69034	100	102	1.5	
	1016-5	10.10	10.11	79271	100	104	3.6	
	1260-1	12.90	12.91	175468	100	98.1	-1.9	
	1260-2	13.45	13.45	173542	100	97.4	-2.6	
	1260-3	13.76	13.76	131599	100	98.0	-2.0	
	1260-4	14.22	14.22	125558	100	96.6	-3.4	
	1260-5	14.71	14.72	267474	100	94.7	-5.3	
	1016 -1 #2	5.58	5.58	56702	100	116	16	
	1016-2 #2	6.06	6.07	94141	100	119	19	
	1016-3 #2	6.70	6.70	130102	100	119	19	
	1016-4 #2	6.88	6.89	76364	100	119	19	
	1016-5 #2	7.46	7.46	69029	100	124	24	> ±20%
	1260-1 #2	9.30	9.30	121632	100	129	29	> ±20%
	1260-2 #2	9.74	9.74	166608	100	126	26	> ±20%
	1260-3 #2	10.19	10.20	128456	100	123	23	> ±20%
	1260-4 #2	11.31	11.31	225858	100	123	23	> ±20%
	1260-5 #2	11.79	11.80	106148	100	119	19	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	2.1	
1016 Column 2 (n=5)	19	
1260 Column 1 (n=5)	-3.1	
1260 Column 2 (n=5)	24	>±20%

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb36.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:22 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	6.965	5.038	381016	313167	10.350	11.490	
12)	S2 dcb	17.732	13.699	213109	214286	9.531	13.008	#
	Target Compounds							
2)	L1 1016 -1	8.289	5.581	95228	56702	101.512	116.095	
3)	L1 1016-2	8.635	6.064	82412	94141	100.502	118.960	
4)	L1 1016-3	9.288	6.702	106047	130102	103.588	119.467	
5)	L1 1016-4	9.430	6.884	69034	76364	101.512	118.540	
6)	L1 1016-5	10.101	7.461	79271	69029	103.615	124.047	
	Sum 1016 -1			431991	426338	510.729	597.109	
	Average 1016 -1					102.146	119.422	
7)	L2 1260-1	12.901	9.297	175468	121632	98.093	129.452	#
8)	L2 1260-2	13.448	9.742	173542	166608	97.424	126.158	#
9)	L2 1260-3	13.757	10.194	131599	128456	97.957	122.917	#
10)	L2 1260-4	14.215	11.310	125558	225858	96.579	122.695	#
11)	L2 1260-5	14.709	11.790	267474	106148	94.661	119.401	#
	Sum 1260-1			873641	748701	484.714	620.623	
	Average 1260-1					96.943	124.125	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

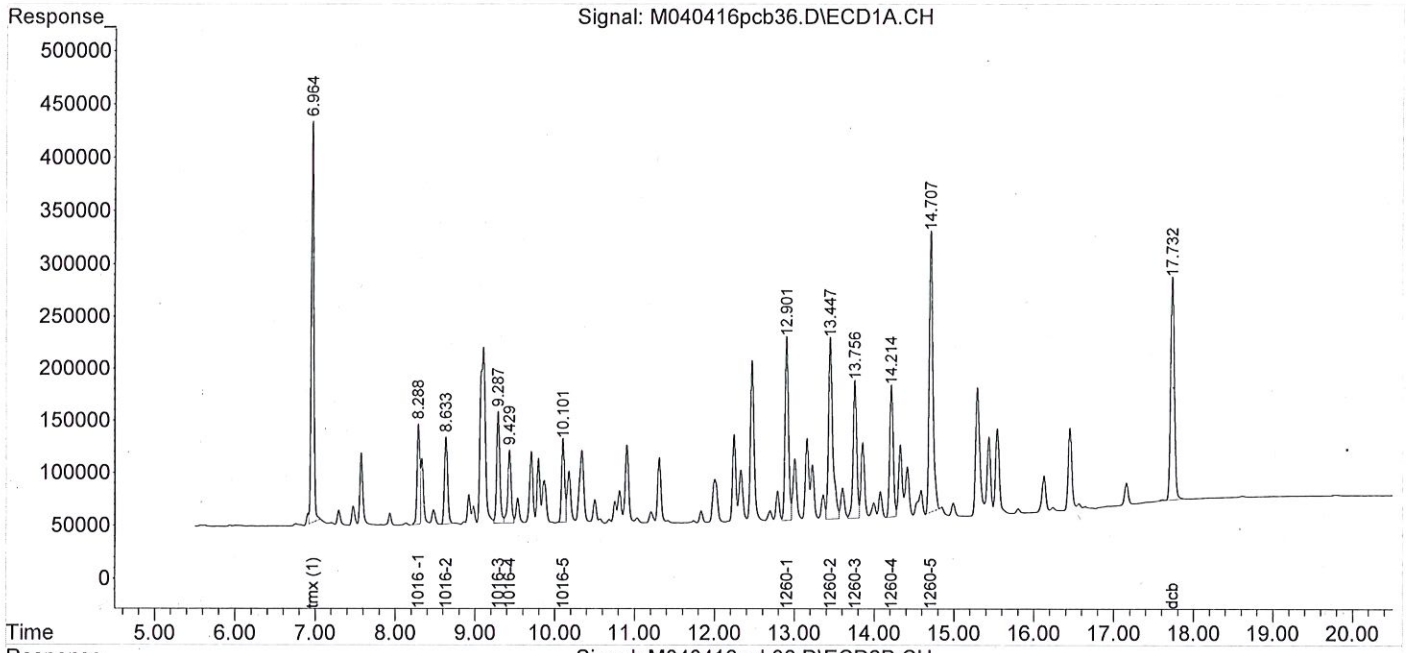
ww
4/6/16

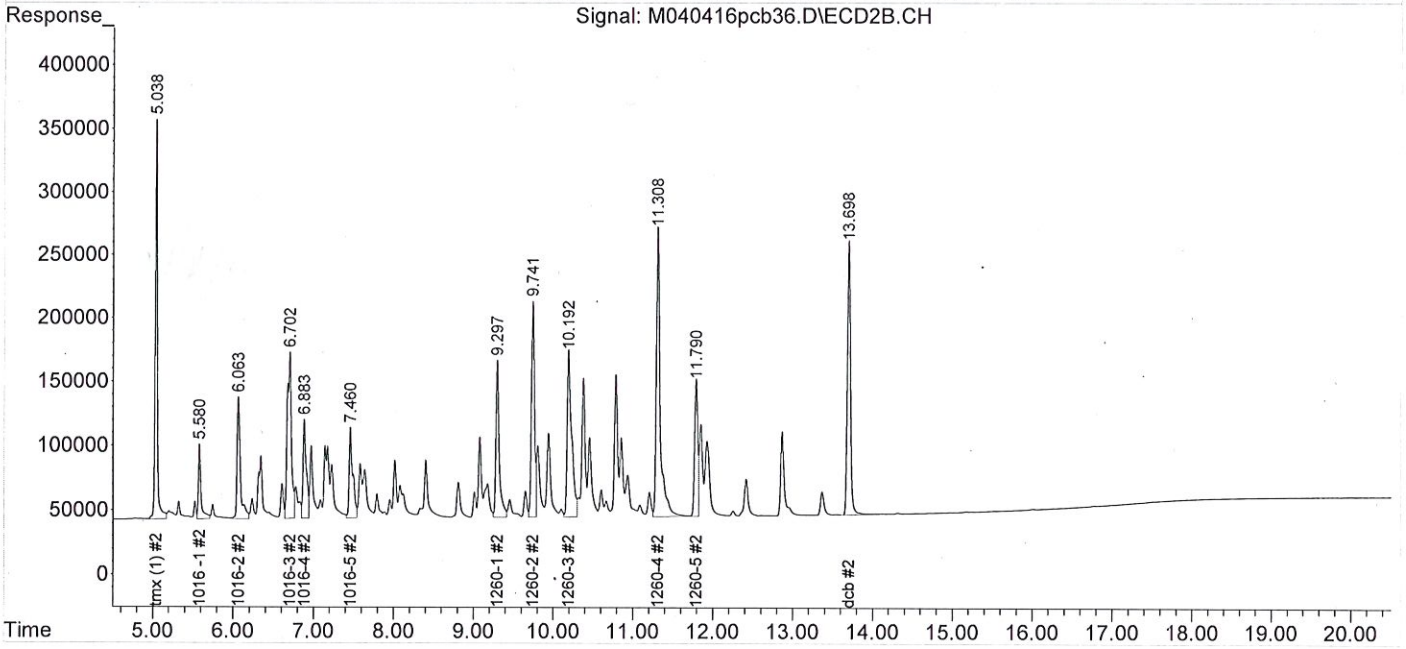
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb36.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:22 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb36.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:22 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	6.965	5.038	381016	313167	10.350	11.490	
12) S2 dcb	17.732	13.699	213109	214286	9.531	13.008	#
Target Compounds							
2) L1 1016 -1	8.289	5.581	95228	56702	101.512	116.095	
3) L1 1016-2	8.635	6.064	82412	94141	100.502	118.960	
4) L1 1016-3	9.288	6.702	106047	130102	103.588	119.467	
5) L1 1016-4	9.430	6.884	69034	76364	101.512	118.540	
6) L1 1016-5	10.101	7.461	79271	69029	103.615	124.047	
Sum 1016 -1			431991	426338	510.729	597.109	
Average 1016 -1					102.146	119.422	
7) L2 1260-1	12.901	9.297	175468	121632	98.093	129.452	#
8) L2 1260-2	13.448	9.742	173542	166608	97.424	126.158	#
9) L2 1260-3	13.757	10.194	131599	128456	97.957	122.917	#
10) L2 1260-4	14.215	11.310	125558	225858	96.579	122.695	#
11) L2 1260-5	14.709	11.790	267474	106148	94.661	119.401	#
Sum 1260-1			873641	748701	484.714	620.623	
Average 1260-1					96.943	124.125	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

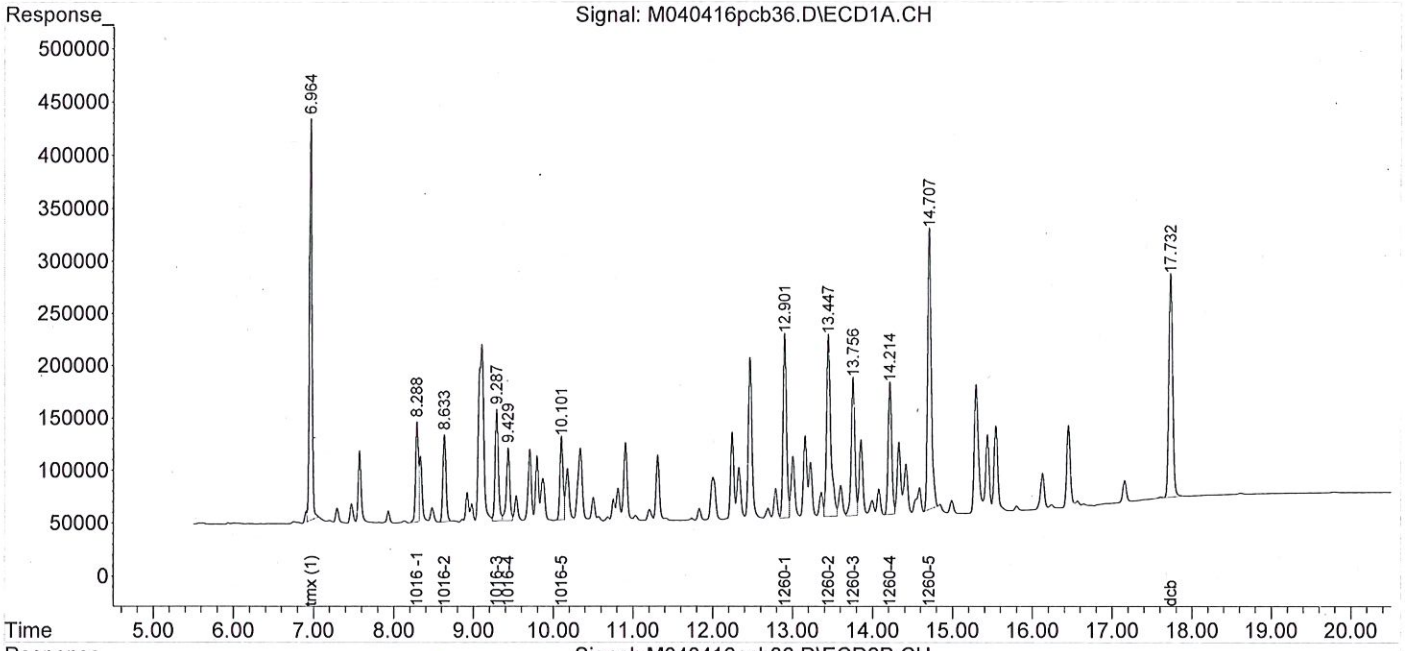
4/6/16

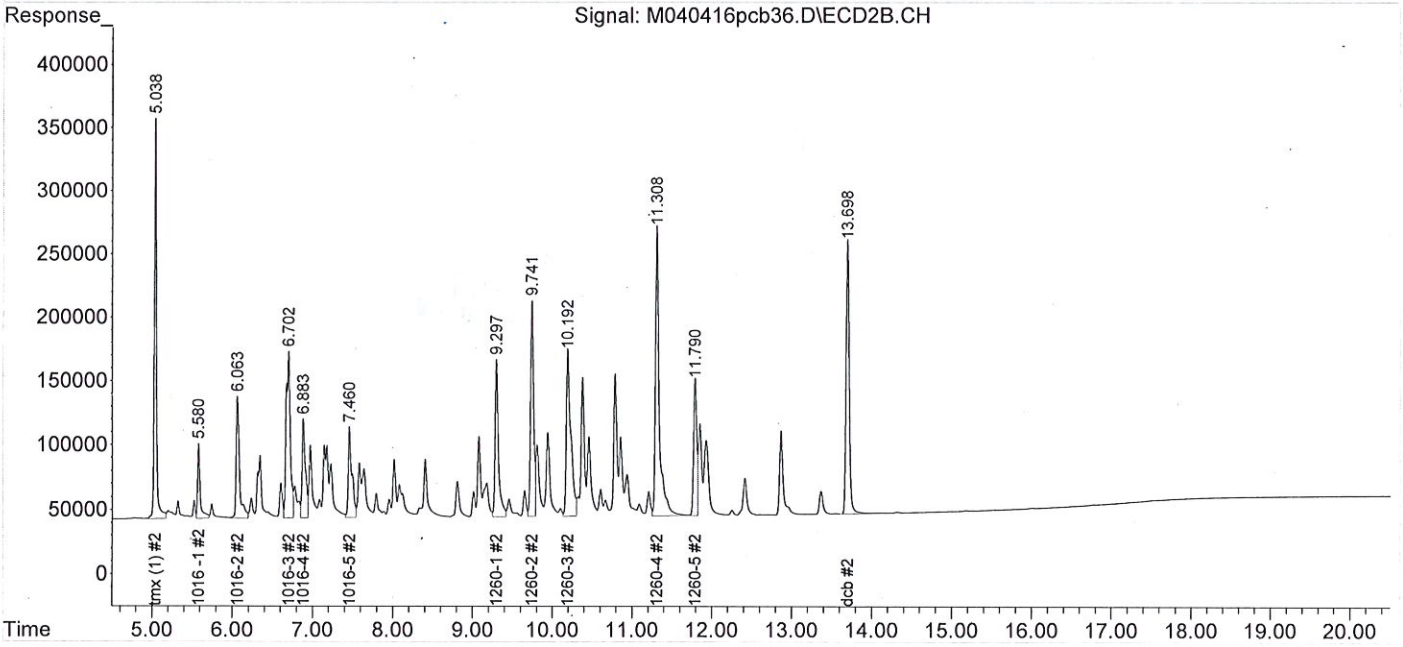
Quantitation Report (Not Reviewed)

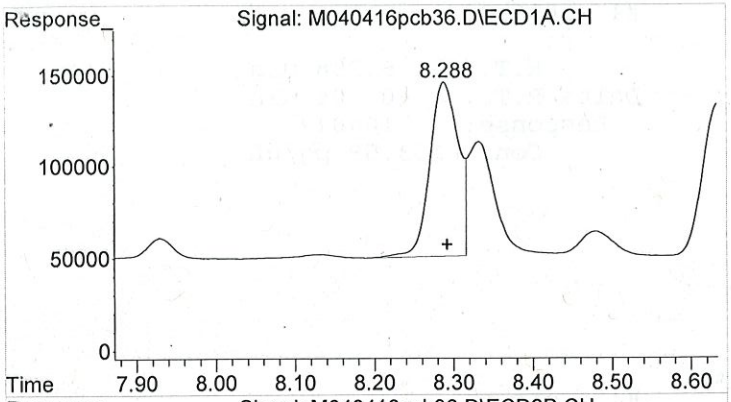
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb36.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:22 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

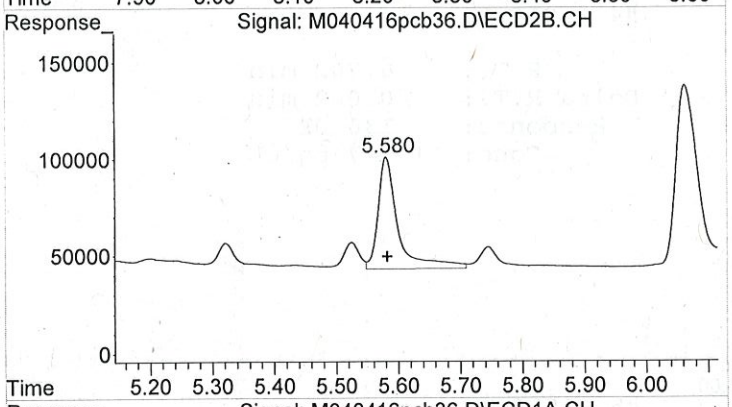






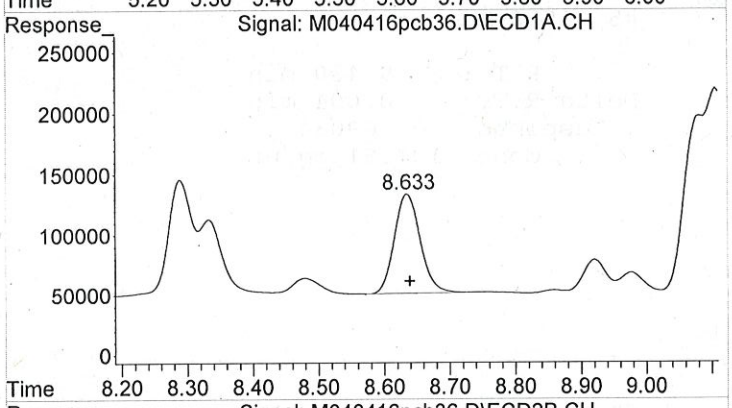
#2 1016 -1

R.T.: 8.289 min
Delta R.T.: -0.004 min
Response: 95228
Conc: 101.51 pg/uL



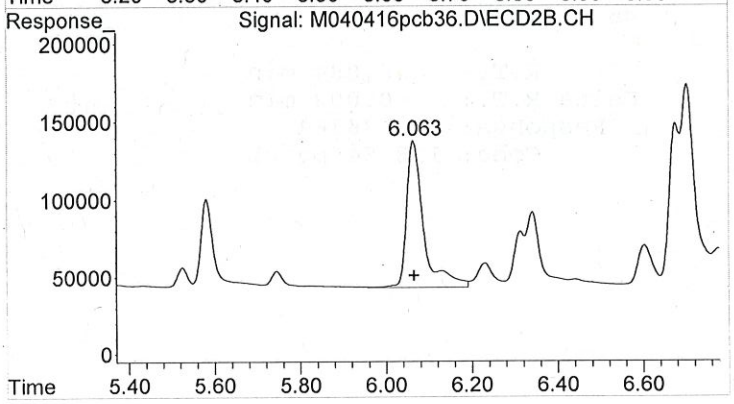
#2 1016 -1

R.T.: 5.581 min
Delta R.T.: -0.002 min
Response: 56702
Conc: 116.09 pg/uL



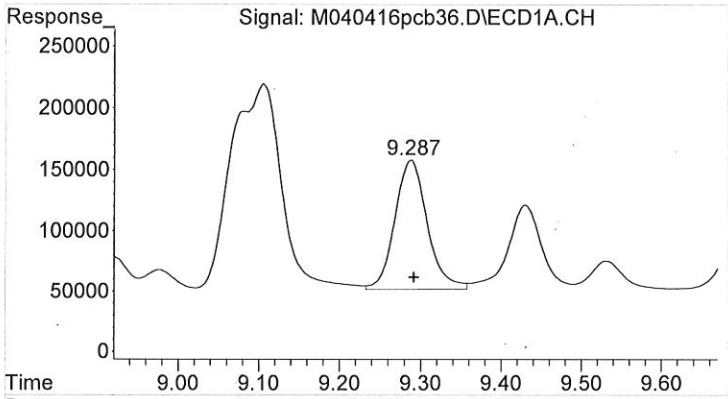
#3 1016-2

R.T.: 8.635 min
Delta R.T.: -0.004 min
Response: 82412
Conc: 100.50 pg/uL



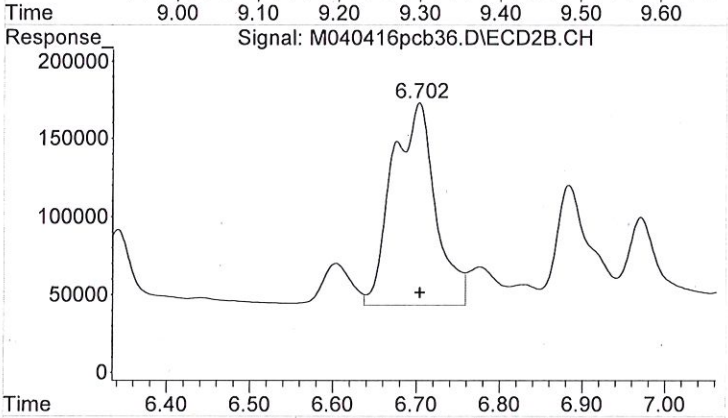
#3 1016-2

R.T.: 6.064 min
Delta R.T.: -0.002 min
Response: 94141
Conc: 118.96 pg/uL



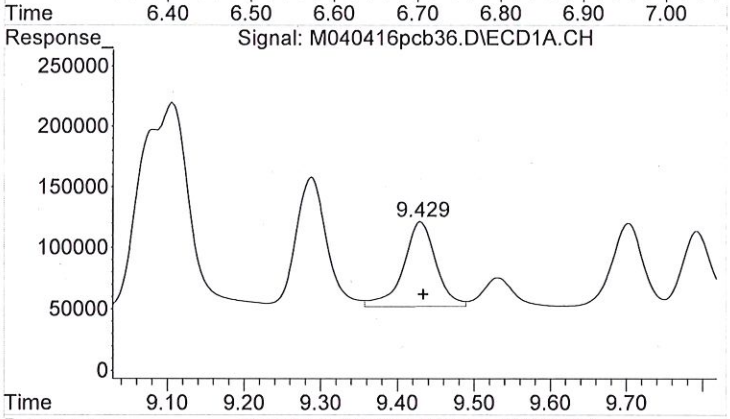
#4 1016-3

R.T.: 9.288 min
Delta R.T.: -0.004 min
Response: 106047
Conc: 103.59 pg/uL



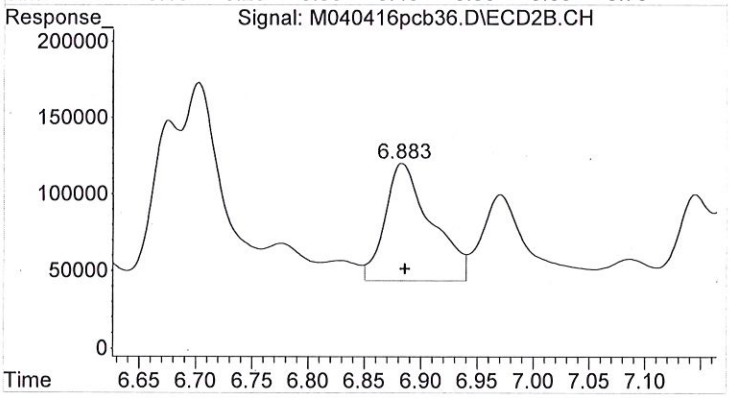
#4 1016-3

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 130102
Conc: 119.47 pg/uL



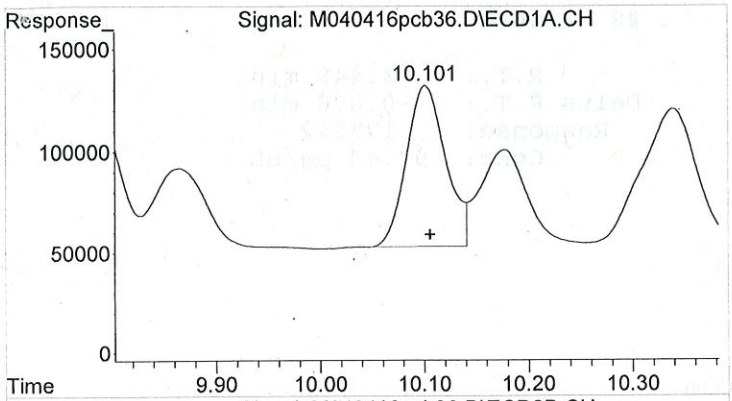
#5 1016-4

R.T.: 9.430 min
Delta R.T.: -0.004 min
Response: 69034
Conc: 101.51 pg/uL



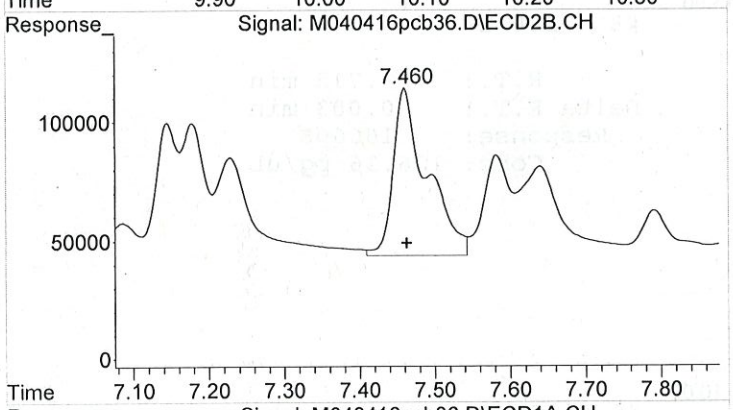
#5 1016-4

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 76364
Conc: 118.54 pg/uL



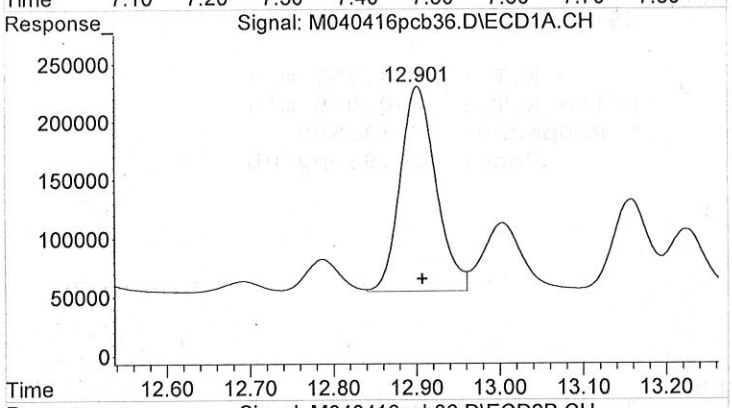
#6 1016-5

R.T.: 10.101 min
Delta R.T.: -0.005 min
Response: 79271
Conc: 103.62 pg/uL



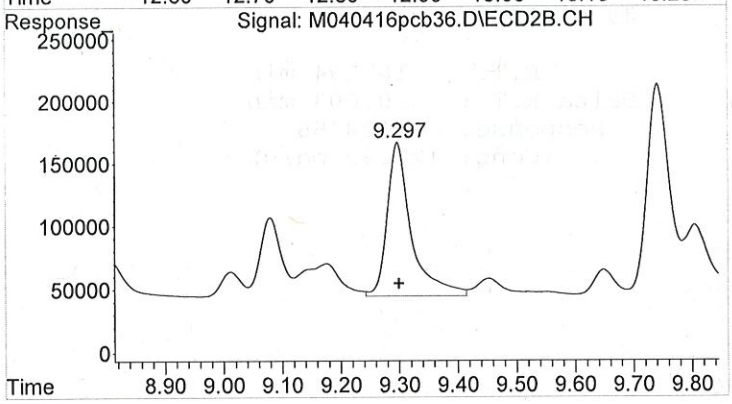
#6 1016-5

R.T.: 7.461 min
Delta R.T.: -0.002 min
Response: 69029
Conc: 124.05 pg/uL



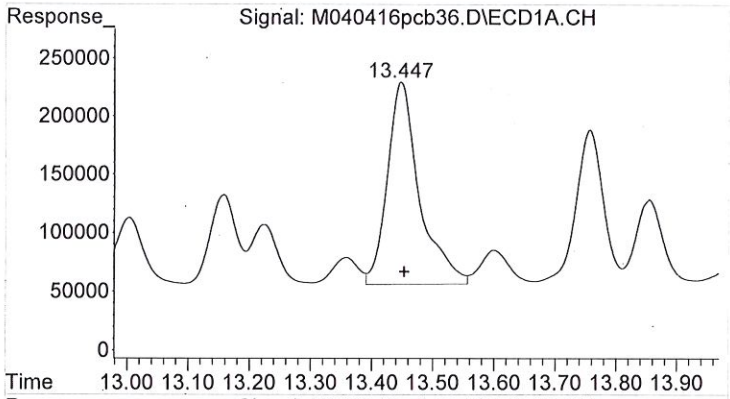
#7 1260-1

R.T.: 12.901 min
Delta R.T.: -0.006 min
Response: 175468
Conc: 98.09 pg/uL



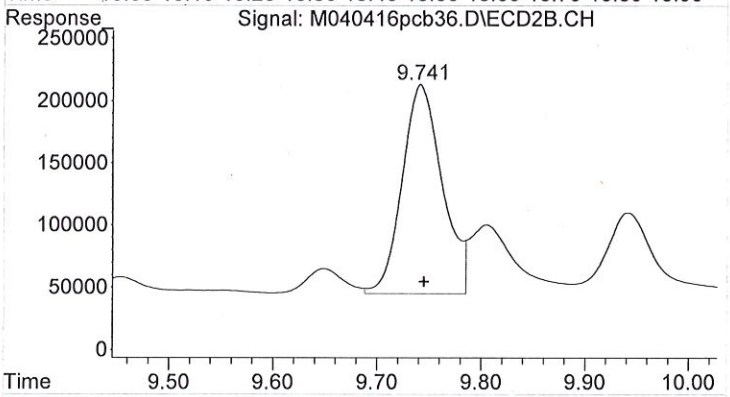
#7 1260-1

R.T.: 9.297 min
Delta R.T.: -0.003 min
Response: 121632
Conc: 129.45 pg/uL



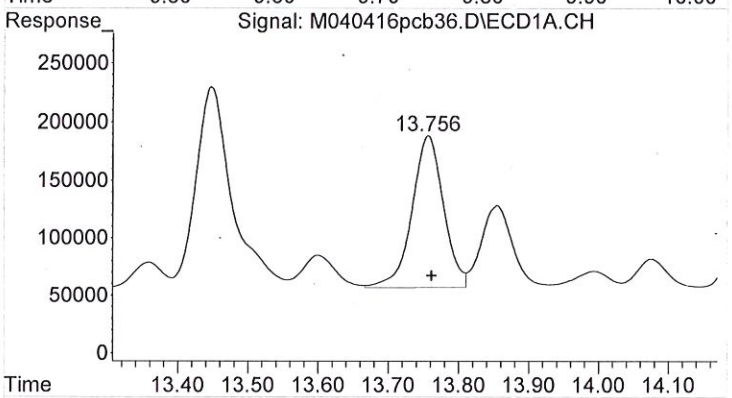
#8 1260-2

R.T.: 13.448 min
Delta R.T.: -0.006 min
Response: 173542
Conc: 97.42 pg/uL



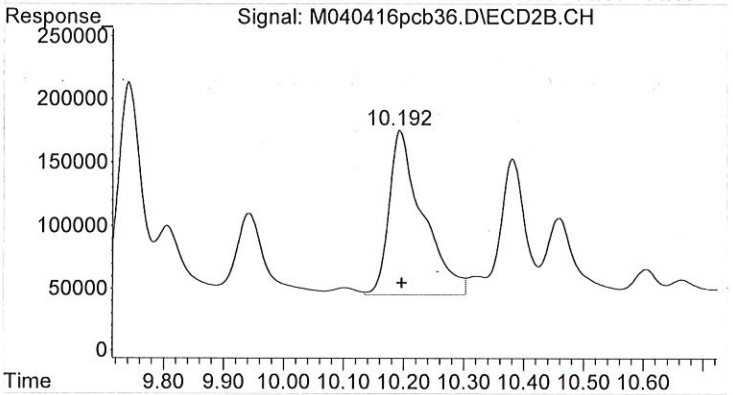
#8 1260-2

R.T.: 9.742 min
Delta R.T.: -0.003 min
Response: 166608
Conc: 126.16 pg/uL



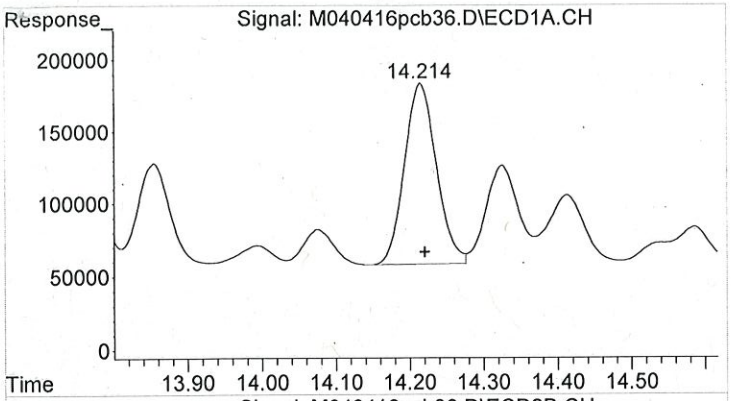
#9 1260-3

R.T.: 13.757 min
Delta R.T.: -0.005 min
Response: 131599
Conc: 97.96 pg/uL



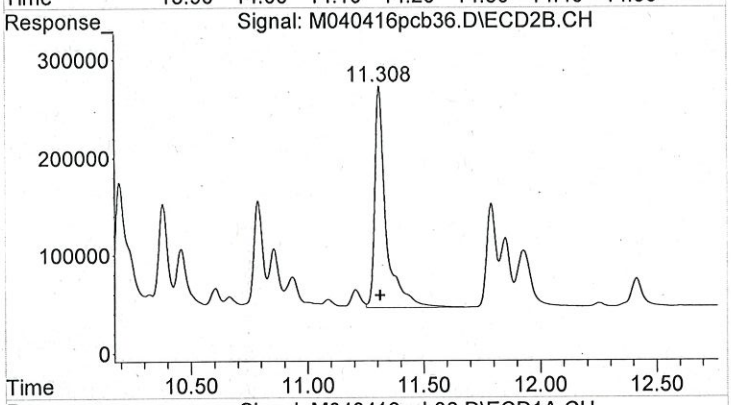
#9 1260-3

R.T.: 10.194 min
Delta R.T.: -0.003 min
Response: 128456
Conc: 122.92 pg/uL



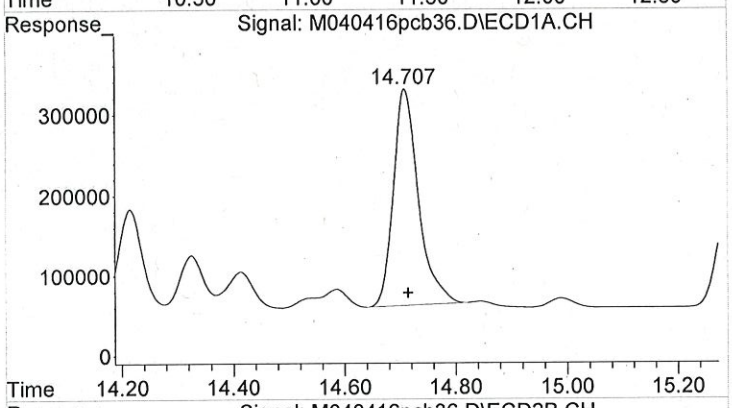
#10 1260-4

R.T.: 14.215 min
Delta R.T.: -0.006 min
Response: 125558
Conc: 96.58 pg/uL



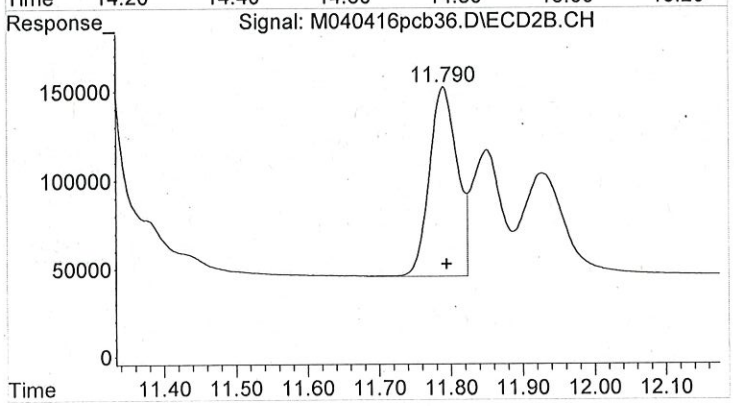
#10 1260-4

R.T.: 11.310 min
Delta R.T.: -0.003 min
Response: 225858
Conc: 122.69 pg/uL



#11 1260-5

R.T.: 14.709 min
Delta R.T.: -0.006 min
Response: 267474
Conc: 94.66 pg/uL



#11 1260-5

R.T.: 11.790 min
Delta R.T.: -0.005 min
Response: 106148
Conc: 119.40 pg/uL

PCB CCV Report

Data File....: M040416pcb51.D
Dataname.....: 87PCB032916C
Analyzed.....: 04/05/2016 9:55

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb51.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.97	6.97	423949	10	11.6	16	
	dcb	17.74	17.74	254123	10	11.5	15	
	tmx (1) #2	5.04	5.04	271622	10	9.94	-0.6	
	dcb #2	13.70	13.70	174004	10	10.5	4.5	
Target					Criteria range: <±20%D			
	1016 -1	8.29	8.29	111564	100	121	21	> ±20%
	1016-2	8.64	8.64	97689	100	121	21	> ±20%
	1016-3	9.29	9.29	126068	100	125	25	> ±20%
	1016-4	9.43	9.43	83467	100	124	24	> ±20%
	1016-5	10.11	10.11	94999	100	126	26	> ±20%
	1260-1	12.91	12.91	224939	100	128	28	> ±20%
	1260-2	13.45	13.45	222279	100	127	27	> ±20%
	1260-3	13.76	13.76	173998	100	132	32	> ±20%
	1260-4	14.22	14.22	157529	100	123	23	> ±20%
	1260-5	14.72	14.72	345872	100	125	25	> ±20%
	1016 -1 #2	5.58	5.58	47896	100	96.7	-3.3	
	1016-2 #2	6.06	6.07	77961	100	97.2	-2.8	
	1016-3 #2	6.70	6.70	100743	100	91.6	-8.4	
	1016-4 #2	6.88	6.89	60827	100	93.1	-6.9	
	1016-5 #2	7.46	7.46	54449	100	96.5	-3.5	
	1260-1 #2	9.30	9.30	90052	100	94.1	-5.9	
	1260-2 #2	9.74	9.74	132257	100	99.2	-0.82	
	1260-3 #2	10.19	10.20	98616	100	93.7	-6.3	
	1260-4 #2	11.31	11.31	177650	100	96.0	-4.0	
	1260-5 #2	11.79	11.80	82219	100	91.4	-8.6	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	23	>±20%
1016 Column 2 (n=5)	-5.0	
1260 Column 1 (n=5)	27	>±20%
1260 Column 2 (n=5)	-5.1	

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:55 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:29:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	6.968	5.038	423949	271622	11.611	9.942	
12) S2 dcb	17.736	13.701	254123	174004	11.519	10.452	
Target Compounds							
2) L1 1016 -1	8.294	5.581	111564	47896	120.729	96.662	
3) L1 1016-2	8.639	6.064	97689	77961	120.989	97.233	
4) L1 1016-3	9.292	6.702	126068	100743	124.833	91.645	#
5) L1 1016-4	9.433	6.884	83467	60827	123.935	93.137	
6) L1 1016-5	10.106	7.461	94999	54449	125.916	96.549	
Sum 1016 -1			513787	341876	616.403	475.226	
Average 1016 -1					123.281	95.045	
7) L2 1260-1	12.908	9.299	224939	90052	128.272	94.114	#
8) L2 1260-2	13.454	9.743	222279	132257	126.957	99.182	
9) L2 1260-3	13.761	10.195	173998	98616	131.842	93.656	#
10) L2 1260-4	14.220	11.311	157529	177650	123.337	96.024	
11) L2 1260-5	14.715	11.793	345872	82219	124.919	91.396	#
Sum 1260-1			1124617	580793	635.327	474.372	
Average 1260-1					127.065	94.874	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

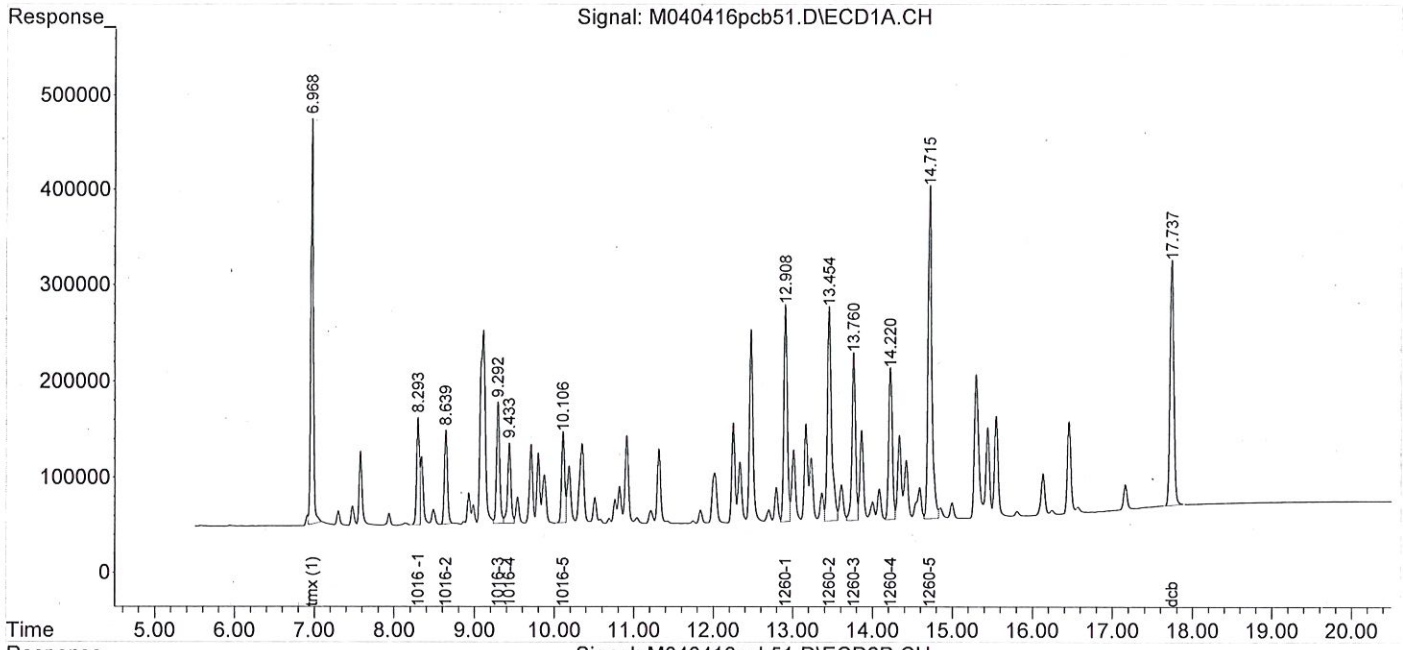
mw 4/6/16

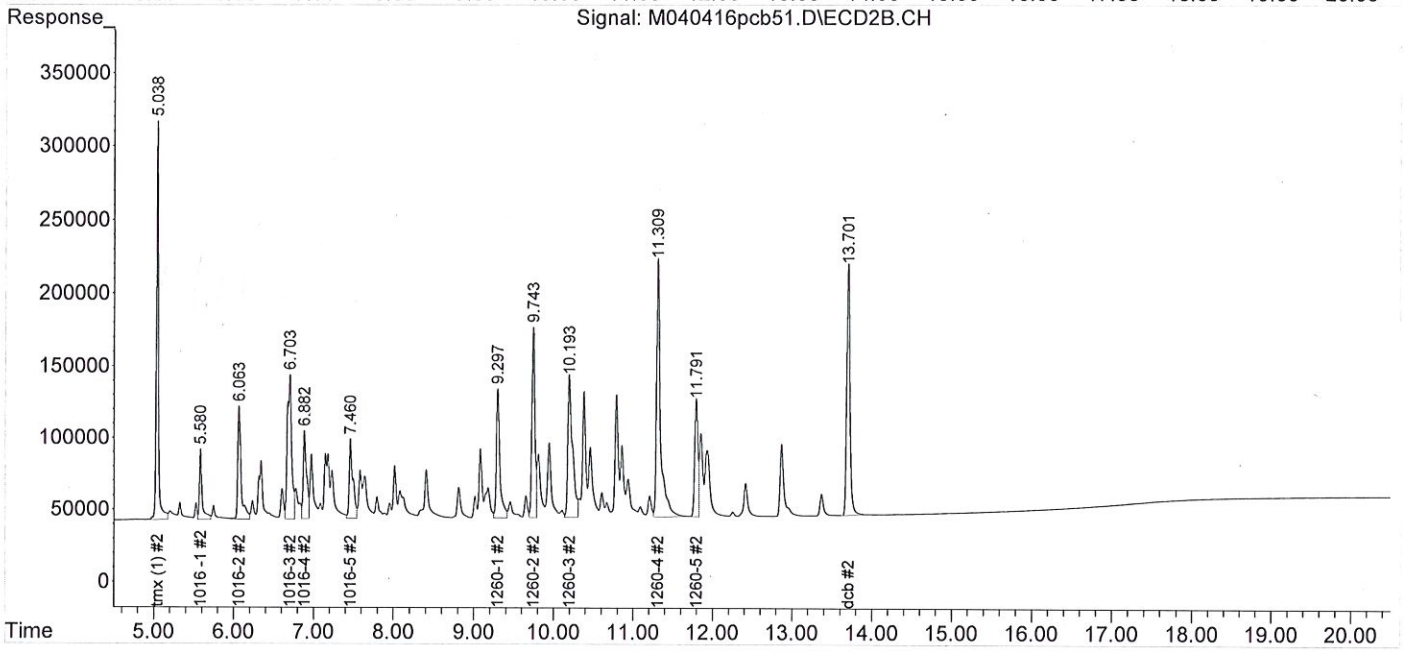
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:55 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:29:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:55 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:29:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	6.968	5.038	423949	271622	11.611	9.942	
12)	S2 dcb	17.736	13.701	254123	174004	11.519	10.452	
	Target Compounds							
2)	L1 1016 -1	8.294	5.581	111564	47896	120.729	96.662	
3)	L1 1016-2	8.639	6.064	97689	77961	120.989	97.233	
4)	L1 1016-3	9.292	6.702	126068	100743	124.833	91.645	#
5)	L1 1016-4	9.433	6.884	83467	60827	123.935	93.137	
6)	L1 1016-5	10.106	7.461	94999	54449	125.916	96.549	
	Sum 1016 -1			513787	341876	616.403	475.226	
	Average 1016 -1					123.281	95.045	
7)	L2 1260-1	12.908	9.299	224939	90052	128.272	94.114	#
8)	L2 1260-2	13.454	9.743	222279	132257	126.957	99.182	
9)	L2 1260-3	13.761	10.195	173998	98616	131.842	93.656	#
10)	L2 1260-4	14.220	11.311	157529	177650	123.337	96.024	
11)	L2 1260-5	14.715	11.793	345872	82219	124.919	91.396	#
	Sum 1260-1			1124617	580793	635.327	474.372	
	Average 1260-1					127.065	94.874	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

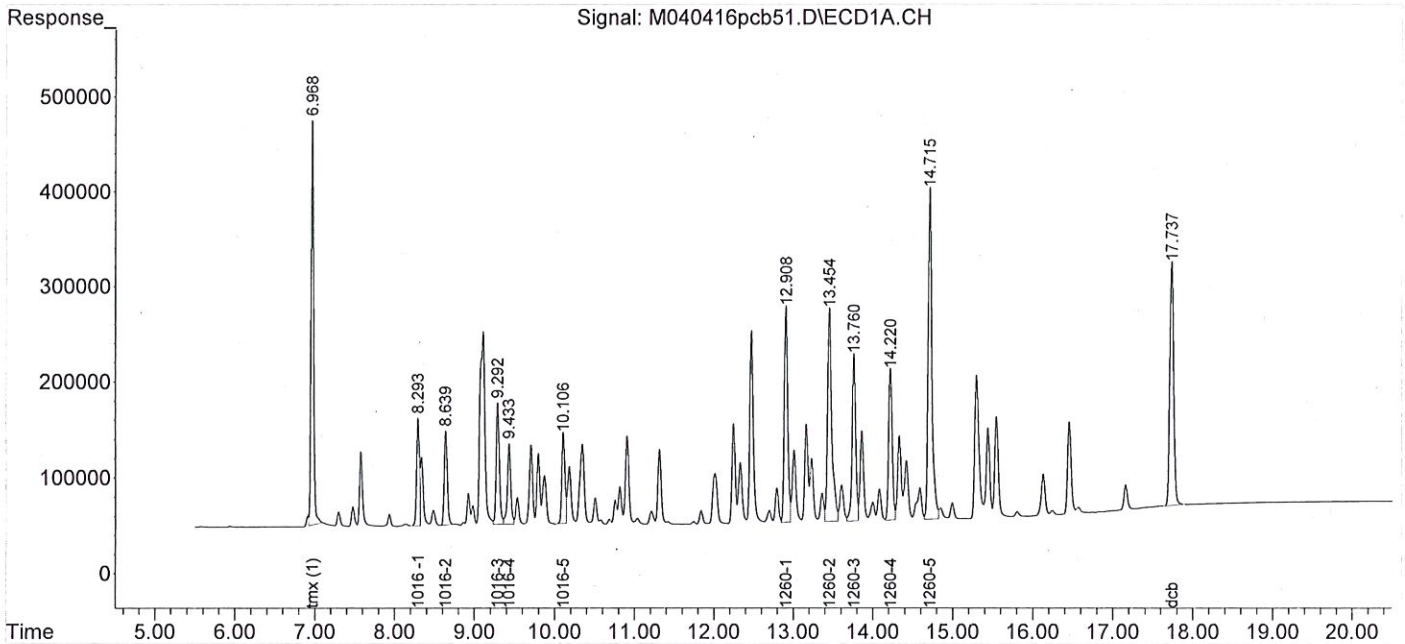
ww
4/6/16

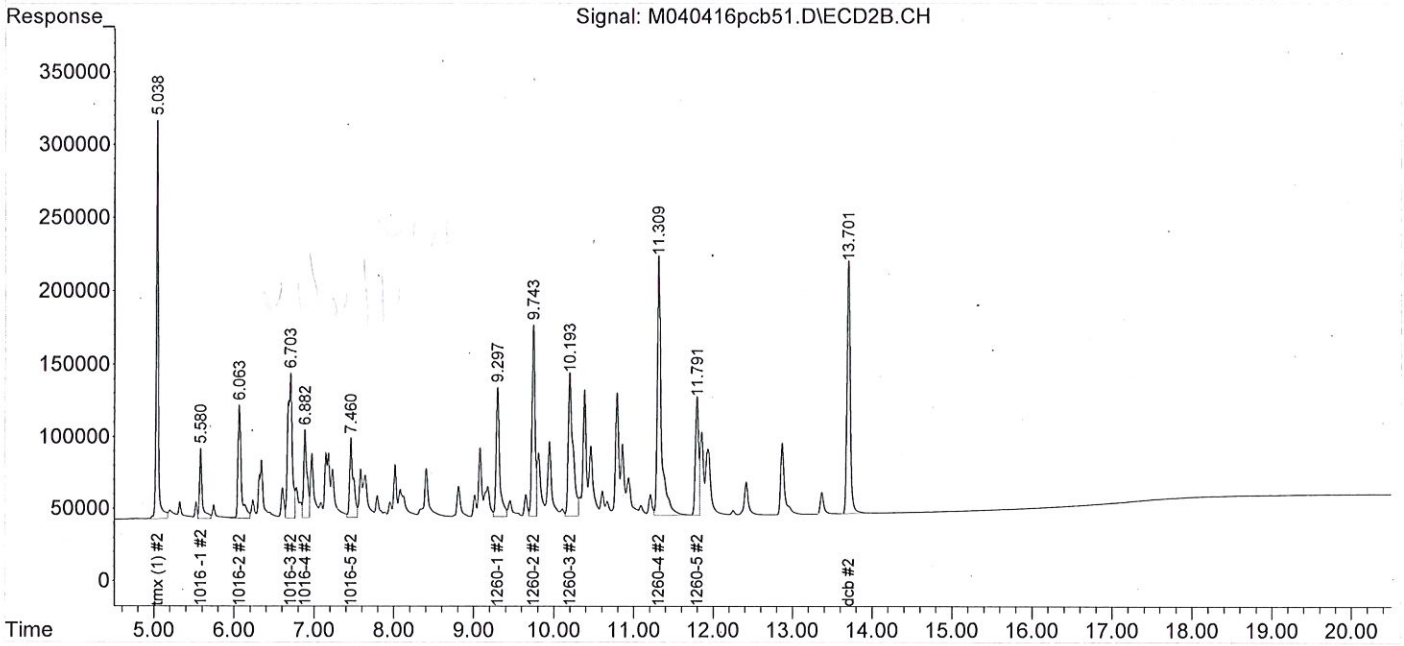
Quantitation Report (Not Reviewed)

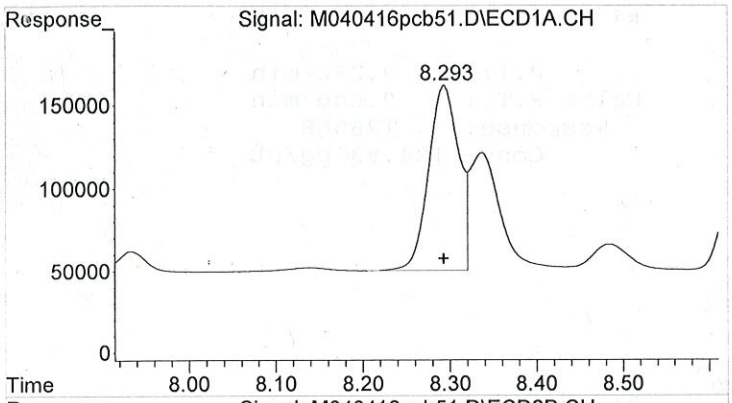
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:55 am
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:29:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

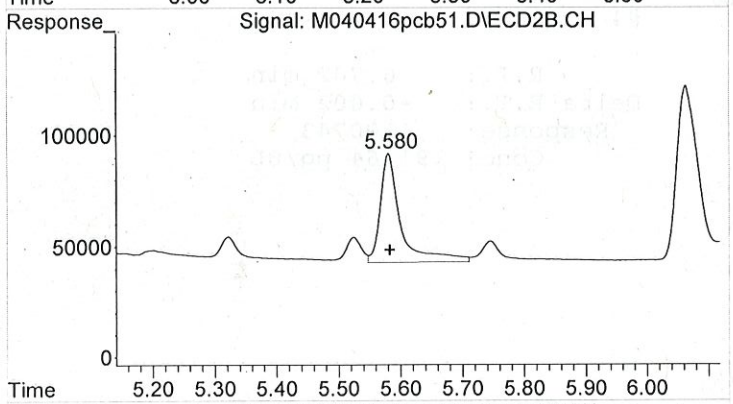






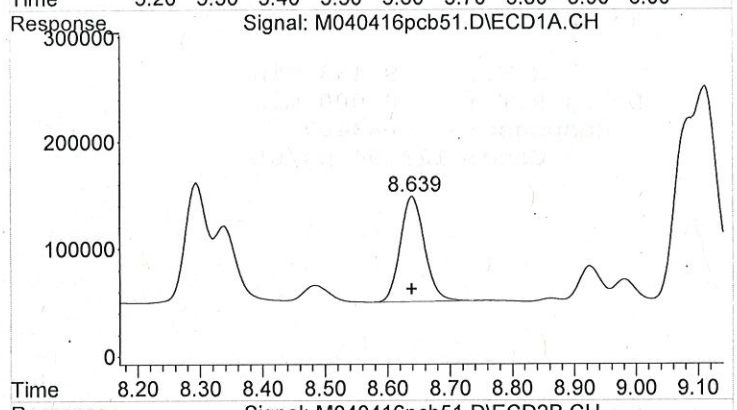
#2 1016 -1

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 111564
Conc: 120.73 pg/uL



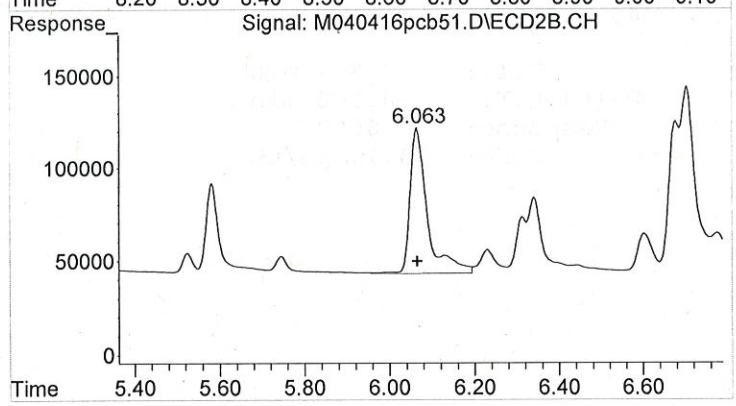
#2 1016 -1

R.T.: 5.581 min
Delta R.T.: -0.002 min
Response: 47896
Conc: 96.66 pg/uL



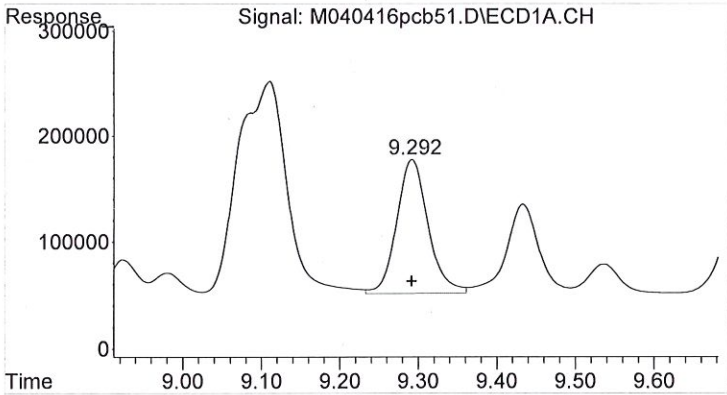
#3 1016-2

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 97689
Conc: 120.99 pg/uL



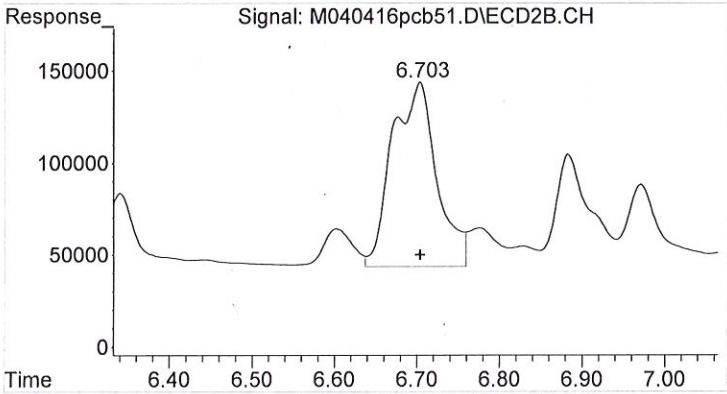
#3 1016-2

R.T.: 6.064 min
Delta R.T.: -0.002 min
Response: 77961
Conc: 97.23 pg/uL



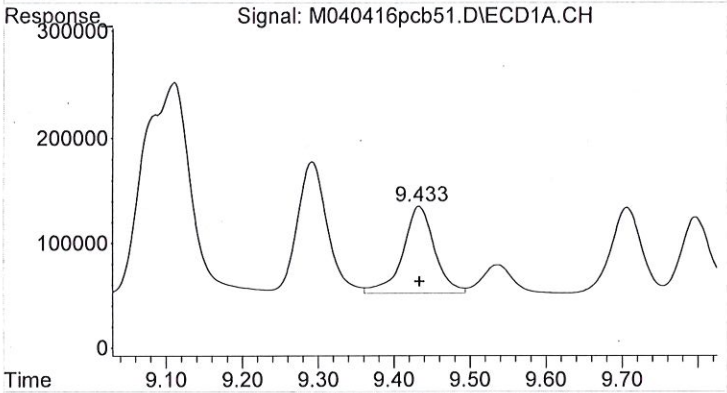
#4 1016-3

R.T.: 9.292 min
Delta R.T.: 0.000 min
Response: 126068
Conc: 124.83 pg/uL



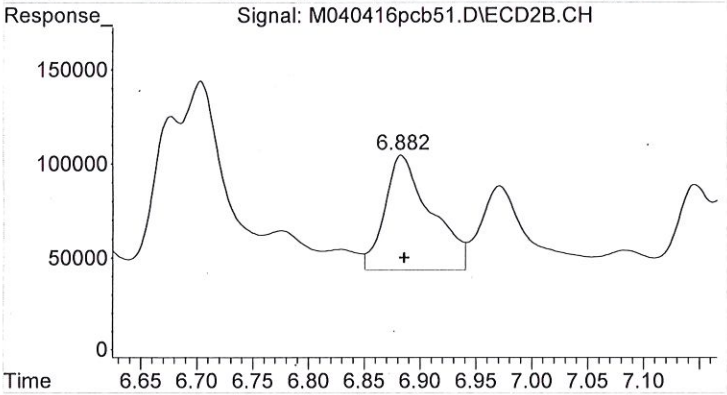
#4 1016-3

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 100743
Conc: 91.64 pg/uL



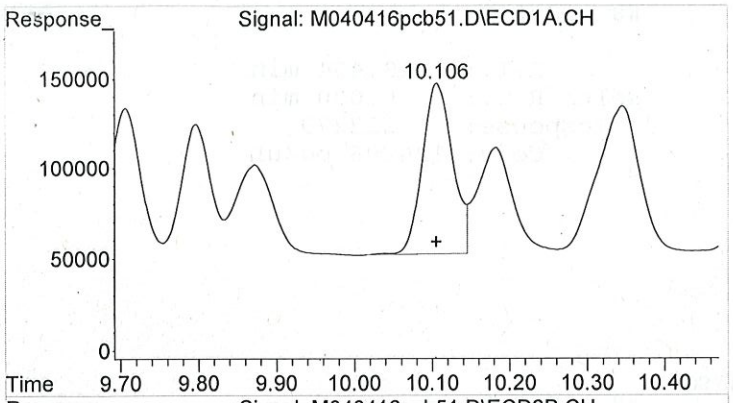
#5 1016-4

R.T.: 9.433 min
Delta R.T.: 0.000 min
Response: 83467
Conc: 123.94 pg/uL



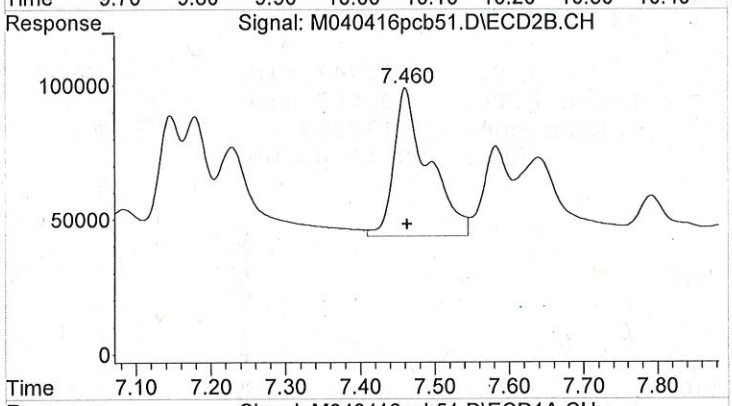
#5 1016-4

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 60827
Conc: 93.14 pg/uL



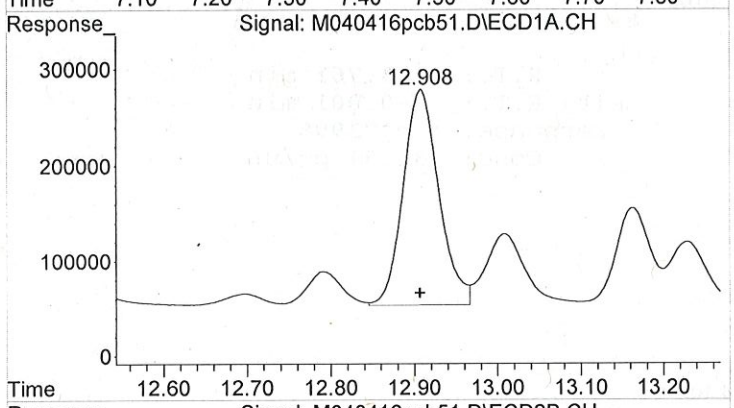
#6 1016-5

R.T.: 10.106 min
Delta R.T.: 0.000 min
Response: 94999
Conc: 125.92 pg/uL



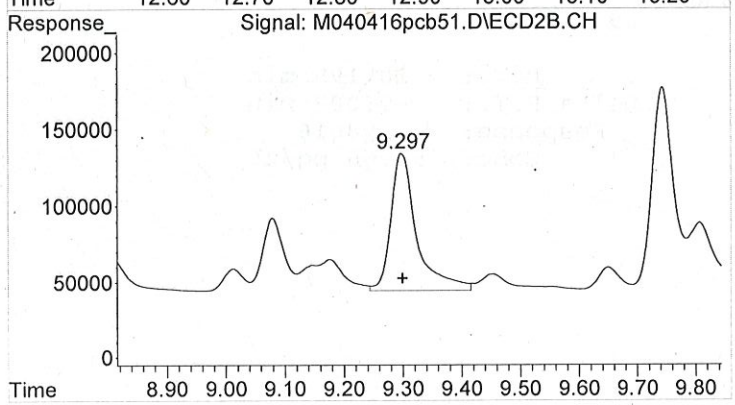
#6 1016-5

R.T.: 7.461 min
Delta R.T.: -0.002 min
Response: 54449
Conc: 96.55 pg/uL



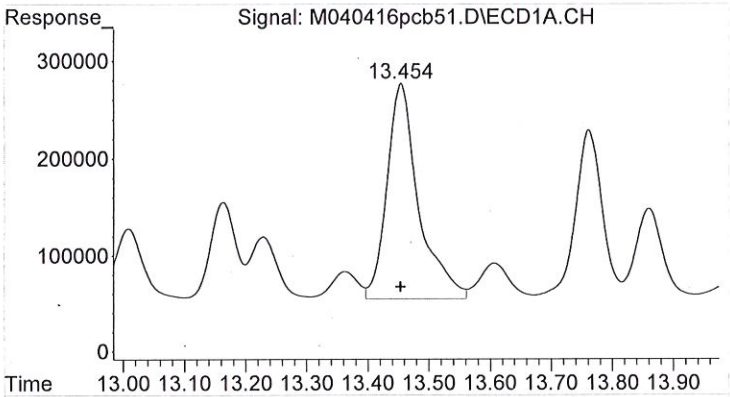
#7 1260-1

R.T.: 12.908 min
Delta R.T.: 0.000 min
Response: 224939
Conc: 128.27 pg/uL



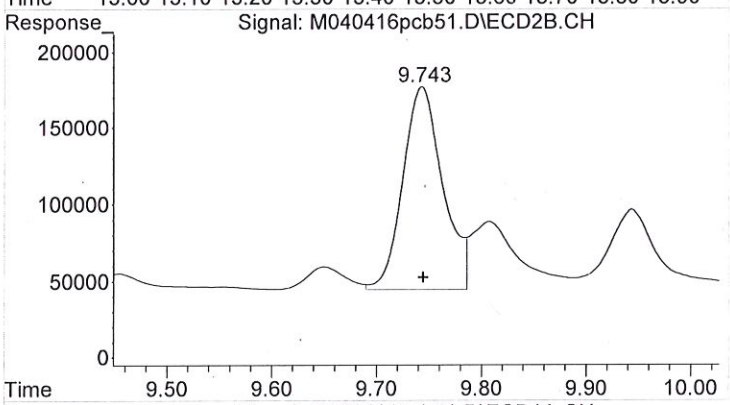
#7 1260-1

R.T.: 9.299 min
Delta R.T.: -0.001 min
Response: 90052
Conc: 94.11 pg/uL



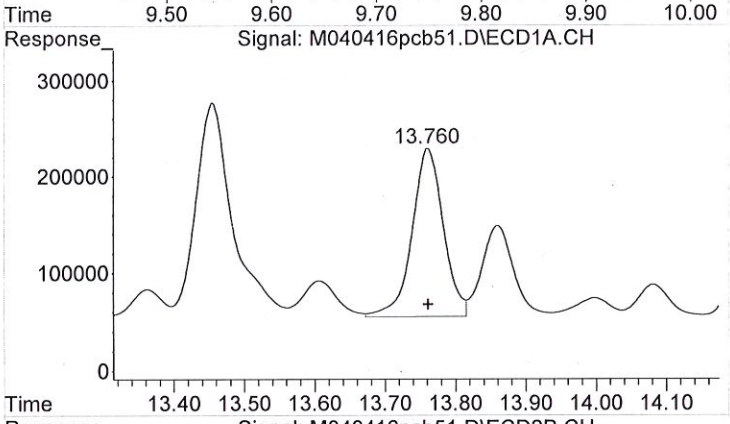
#8 1260-2

R.T.: 13.454 min
Delta R.T.: 0.000 min
Response: 222279
Conc: 126.96 pg/uL



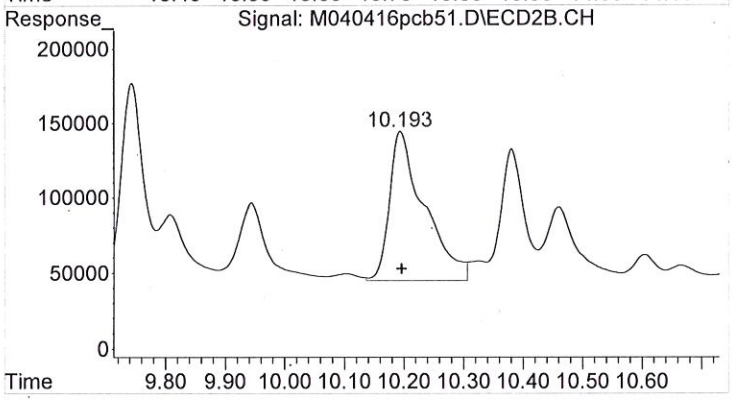
#8 1260-2

R.T.: 9.743 min
Delta R.T.: -0.002 min
Response: 132257
Conc: 99.18 pg/uL



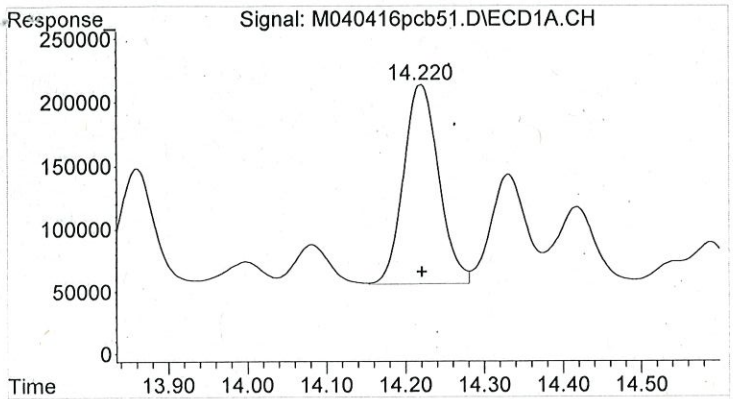
#9 1260-3

R.T.: 13.761 min
Delta R.T.: -0.001 min
Response: 173998
Conc: 131.84 pg/uL



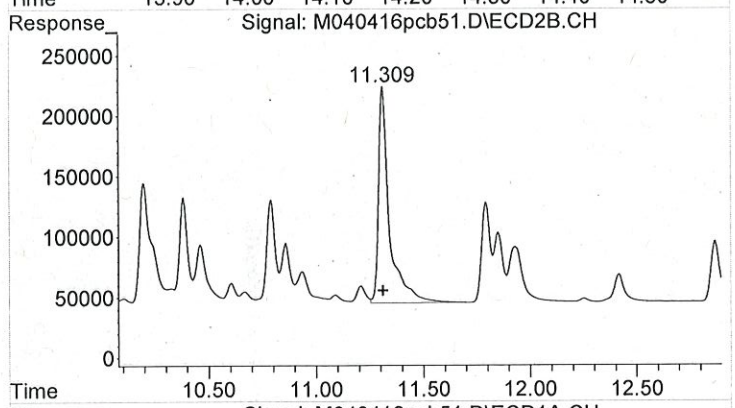
#9 1260-3

R.T.: 10.195 min
Delta R.T.: -0.002 min
Response: 98616
Conc: 93.66 pg/uL



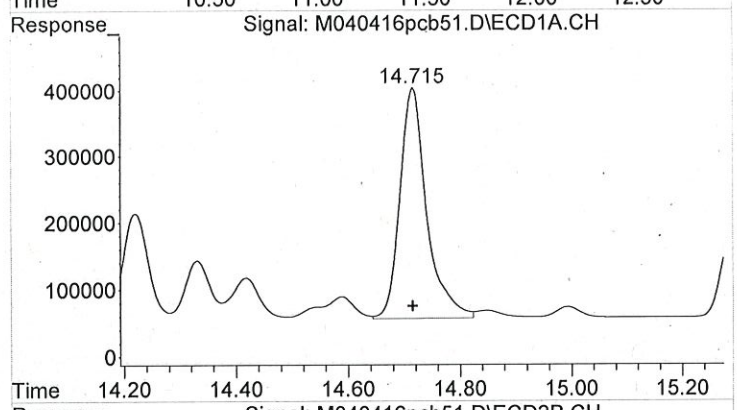
#10 1260-4

R.T.: 14.220 min
Delta R.T.: -0.001 min
Response: 157529
Conc: 123.34 pg/uL



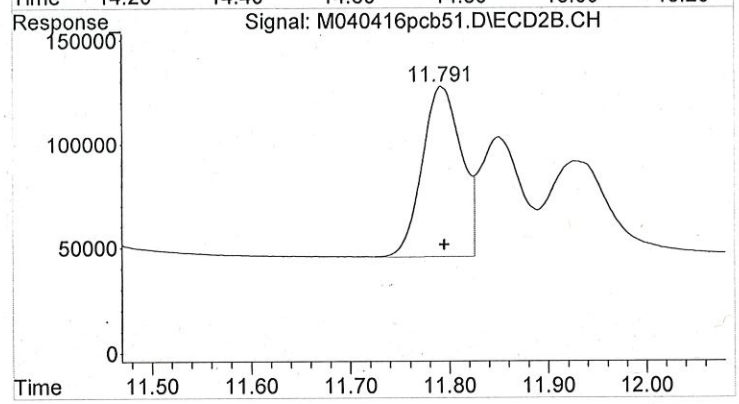
#10 1260-4

R.T.: 11.311 min
Delta R.T.: -0.002 min
Response: 177650
Conc: 96.02 pg/uL



#11 1260-5

R.T.: 14.715 min
Delta R.T.: 0.000 min
Response: 345872
Conc: 124.92 pg/uL



#11 1260-5

R.T.: 11.793 min
Delta R.T.: -0.002 min
Response: 82219
Conc: 91.40 pg/uL

PCB CCV Report

Data File....: M040416pcb25.D
Dataname.....: 87PCB021116D
Analyzed.....: 04/04/2016 19:01

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb25.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB1242.M

PCB 1242 Cont Cal 100 pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	4.24	-		10	-	-	
	dcb	-	>±1%	11.35	-	m	10	-	-	
	tmx (1) #2	-	>±1%	3.06	-		10	-	-	
	dcb #2	-	>±1%	8.20	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1242 -1	8.63		8.64	78604		100	97.0	-3.0	
	1242-2	9.10		9.11	155941		100	94.6	-5.4	
	1242-3	9.70		9.71	63565		100	99.1	-0.90	
	1242-4	10.34		10.34	66948		100	96.8	-3.2	
	1242-5	11.22		11.23	69548		100	96.7	-3.3	
	1242 -1 #2	6.70		6.70	101985		100	107	6.9	
	1242-2 #2	6.88		6.88	60094		100	108	8.2	
	1242-3 #2	7.46		7.46	52423		100	108	7.9	
	1242-4 #2	8.12		8.12	48509		100	113	13	
	1242-5 #2	8.41		8.41	36574		100	117	17	

Average %Difference:	%Diff
1242 Column 1 (n=5)	-3.2
1242 Column 2 (n=5)	11

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 7:01 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:16:43 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1242 -1	8.635	6.703	78604	101985	96.999	106.886
3) L1 1242-2	9.104	6.885	155941	60094	94.562	108.226
4) L1 1242-3	9.702	7.462	63565	52423	99.101	107.927
5) L1 1242-4	10.339	8.118	66948	48509	96.782	112.597
6) L1 1242-5	11.224	8.411	69548	36574	96.684	117.430
Sum 1242 -1			434607	299585	484.128	553.065
Average 1242 -1					96.826	110.613

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

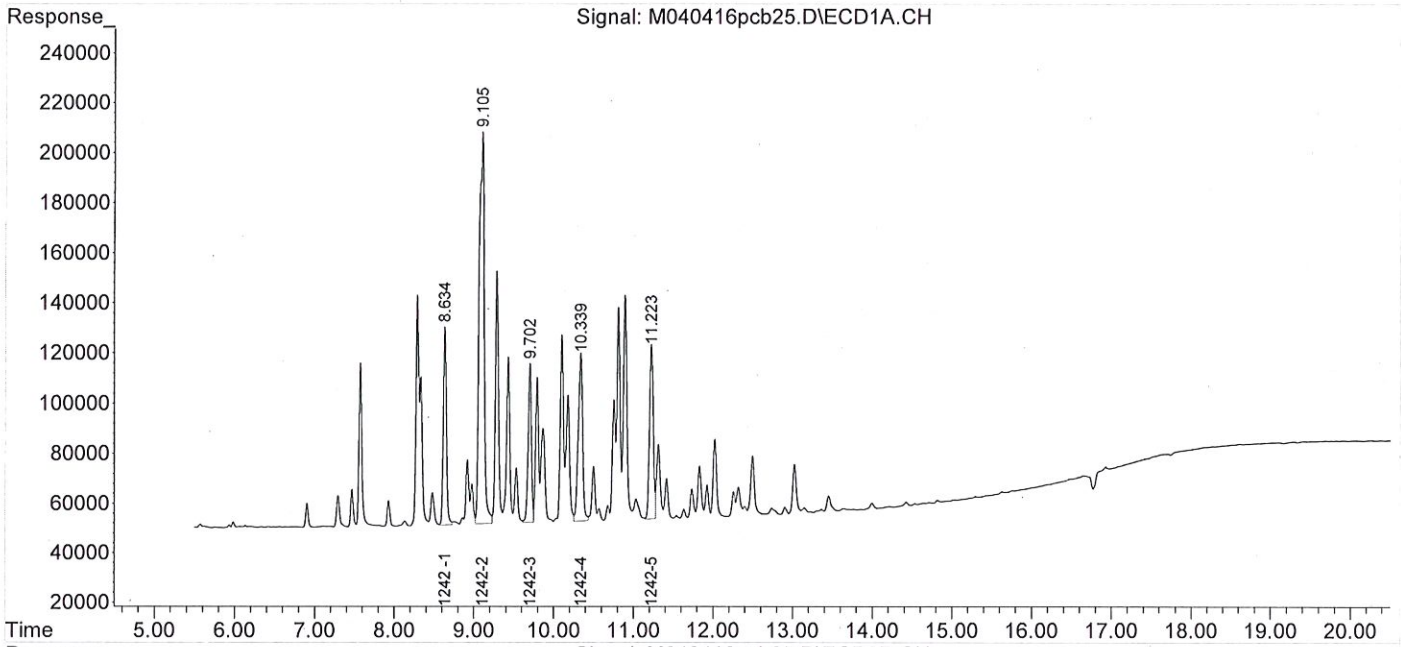
4/11/16

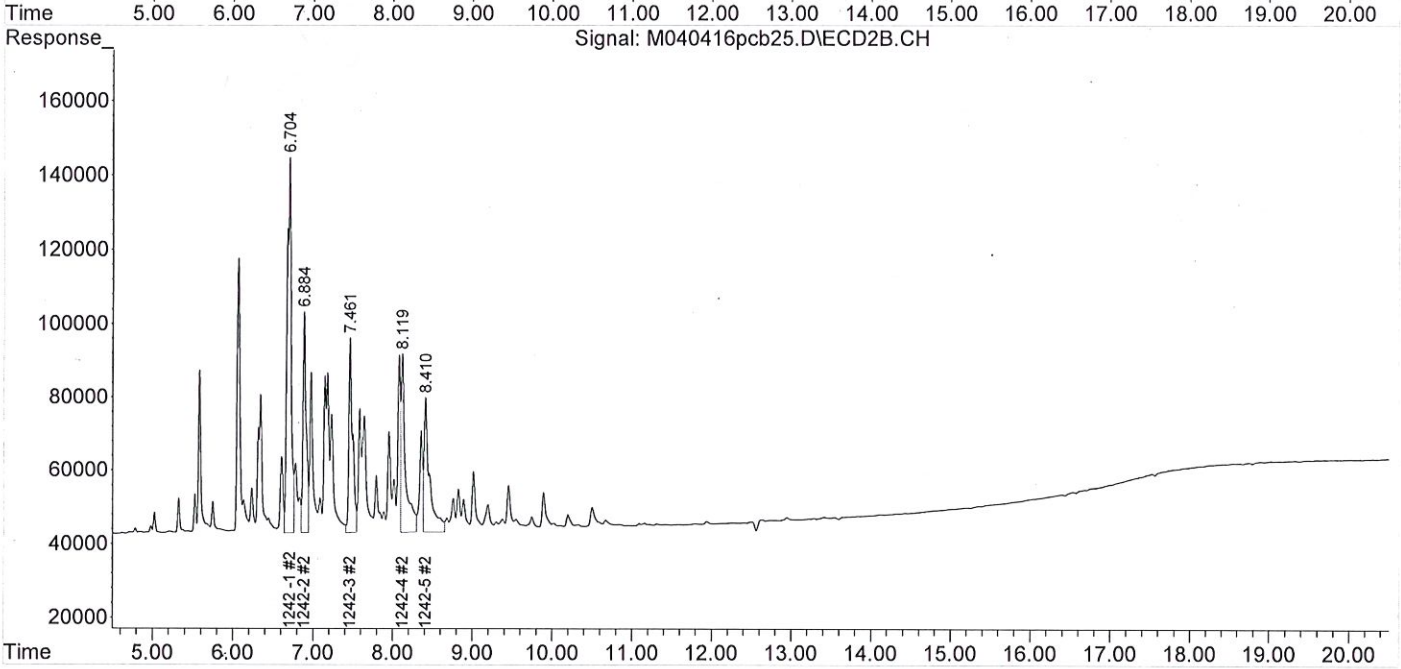
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 7:01 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:16:43 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 7:01 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:17 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.313	0.000	~~29722~~	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.635	6.703	78604	101985	96.999	106.886
3) L1 1242-2	9.104	6.885	155941	60094	94.562	108.226
4) L1 1242-3	9.702	7.462	63565	52423	99.101	107.927
5) L1 1242-4	10.339	8.118	66948	48509	96.782	112.597
6) L1 1242-5	11.224	8.411	69548	36574	96.684	117.430
Sum 1242 -1			434607	299585	484.128	553.065
Average 1242 -1					96.826	110.613

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

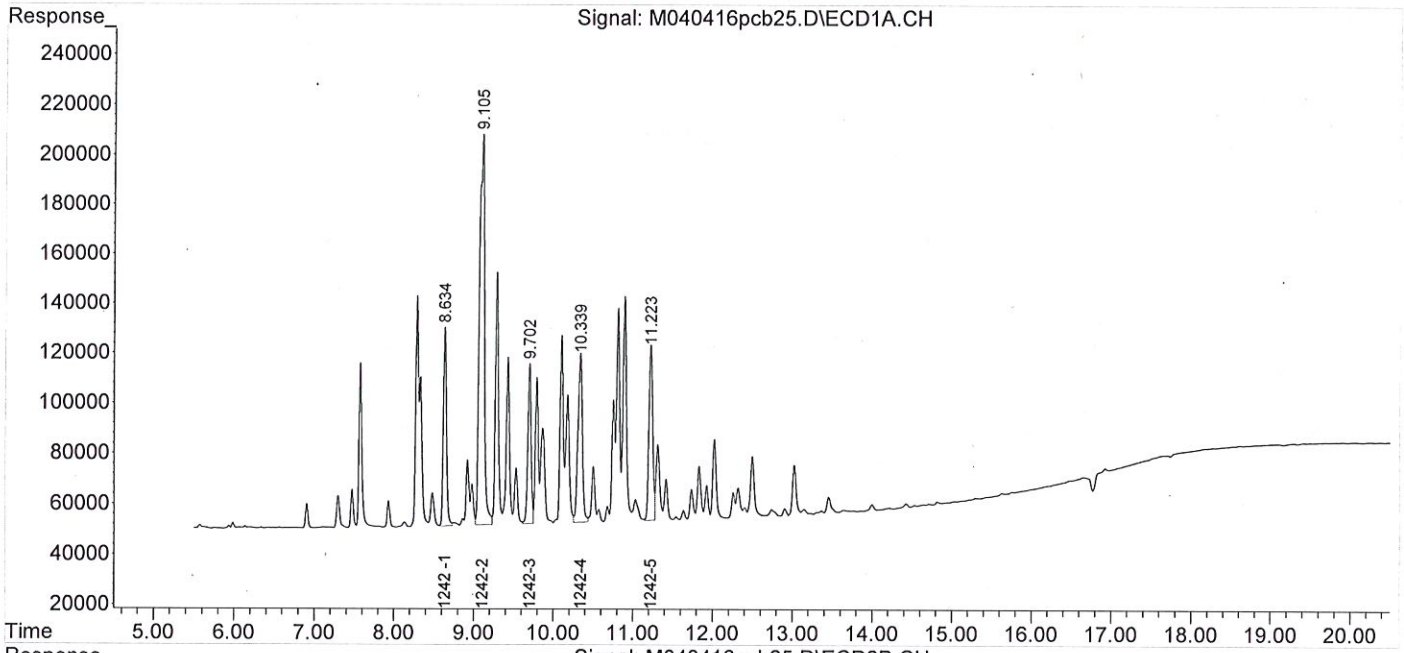
4/11/16

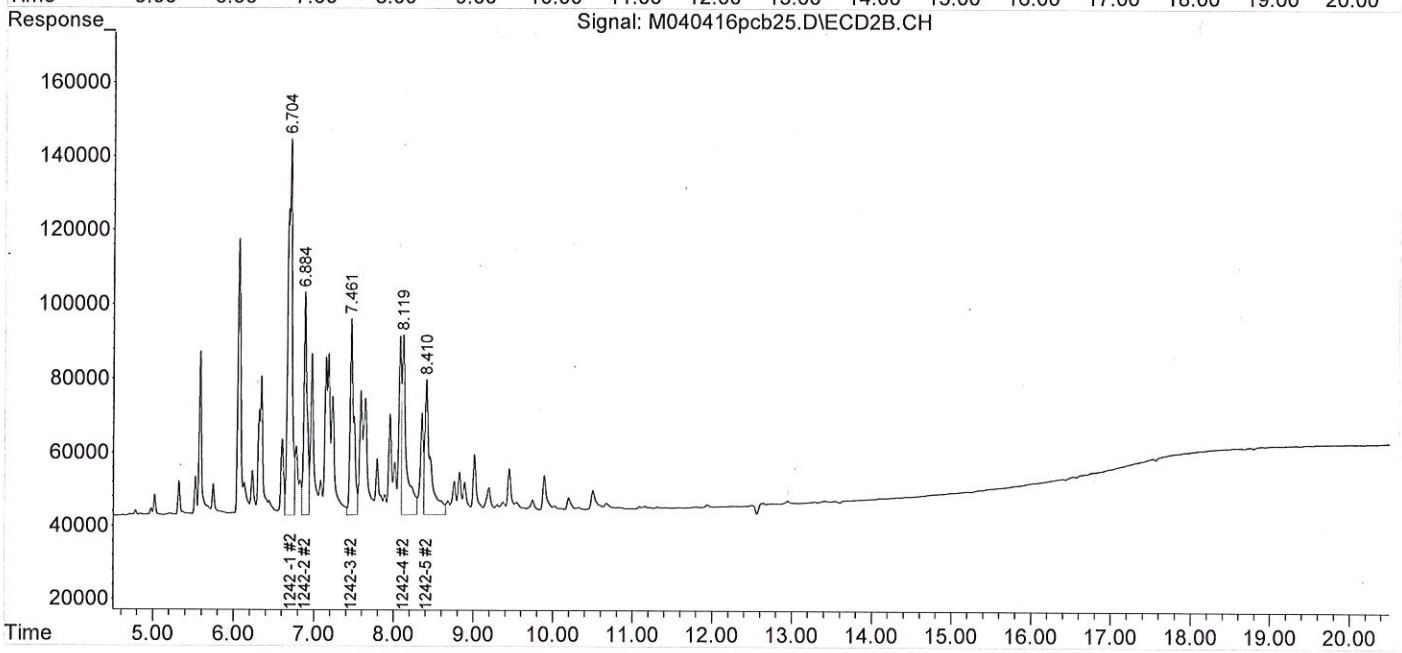
Quantitation Report (Not Reviewed)

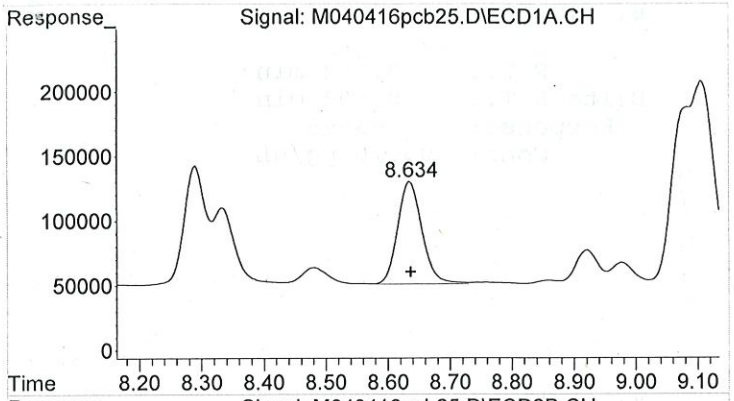
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 7:01 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:17 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

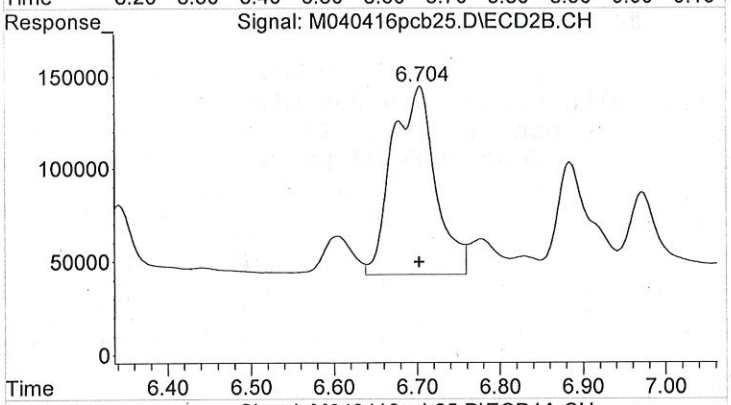






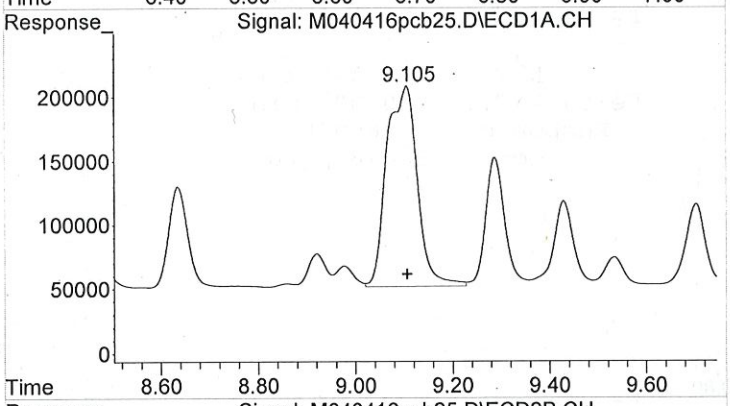
#2 1242 -1

R.T.: 8.635 min
Delta R.T.: -0.002 min
Response: 78604
Conc: 97.00 pg/uL



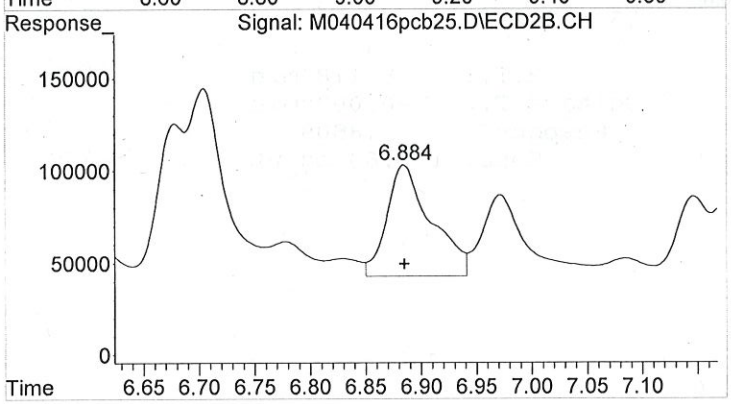
#2 1242 -1

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 101985
Conc: 106.89 pg/uL



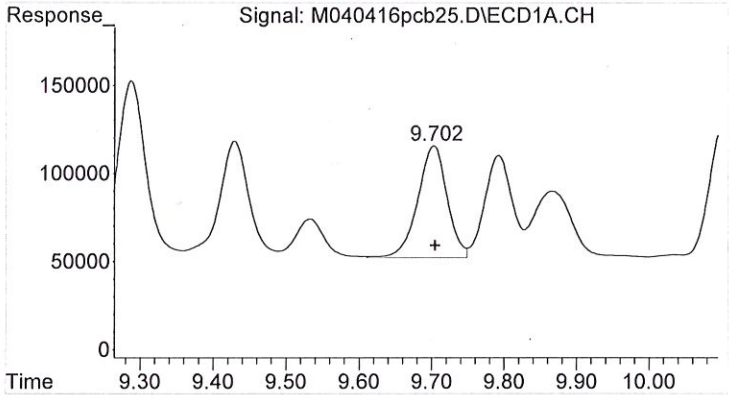
#3 1242-2

R.T.: 9.104 min
Delta R.T.: -0.003 min
Response: 155941
Conc: 94.56 pg/uL



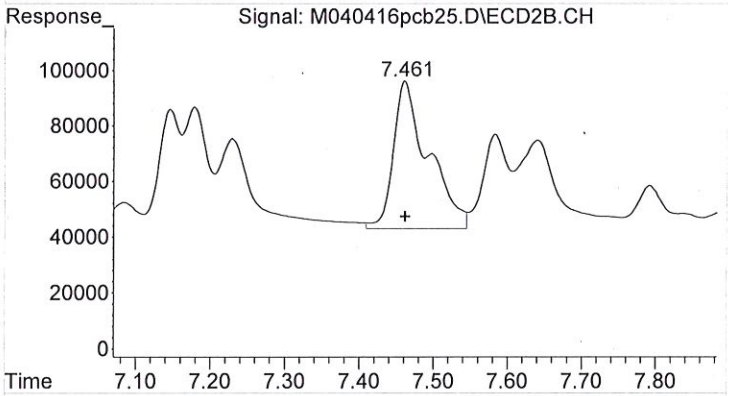
#3 1242-2

R.T.: 6.885 min
Delta R.T.: 0.000 min
Response: 60094
Conc: 108.23 pg/uL



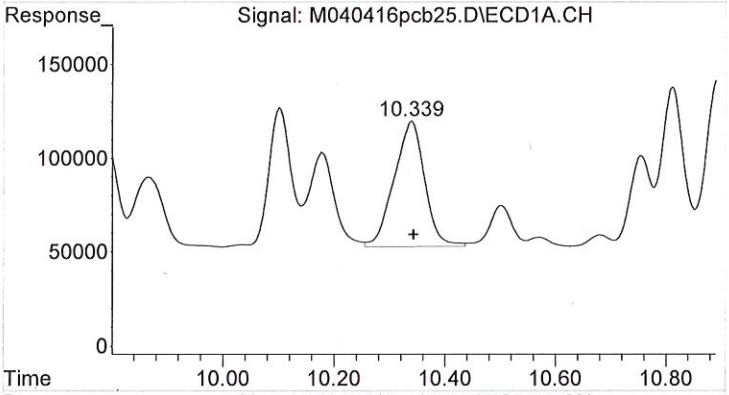
#4 1242-3

R.T.: 9.702 min
Delta R.T.: -0.003 min
Response: 63565
Conc: 99.10 pg/uL



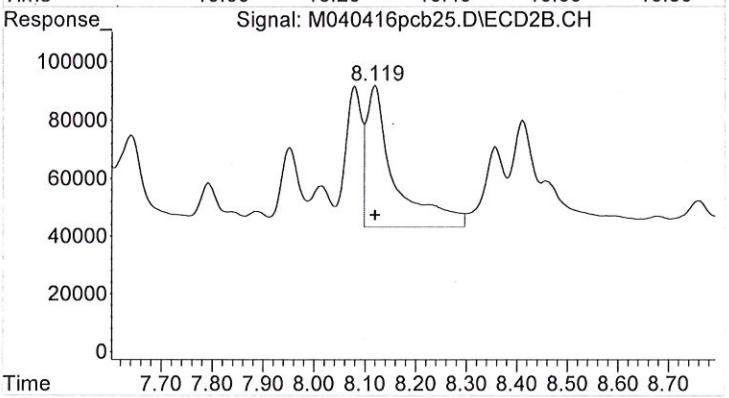
#4 1242-3

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 52423
Conc: 107.93 pg/uL



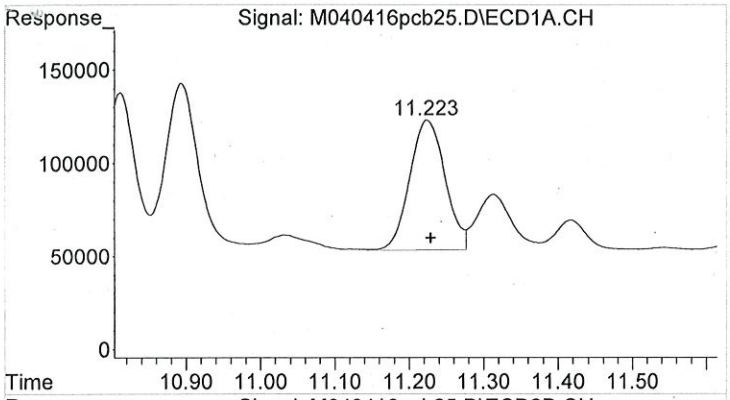
#5 1242-4

R.T.: 10.339 min
Delta R.T.: -0.004 min
Response: 66948
Conc: 96.78 pg/uL



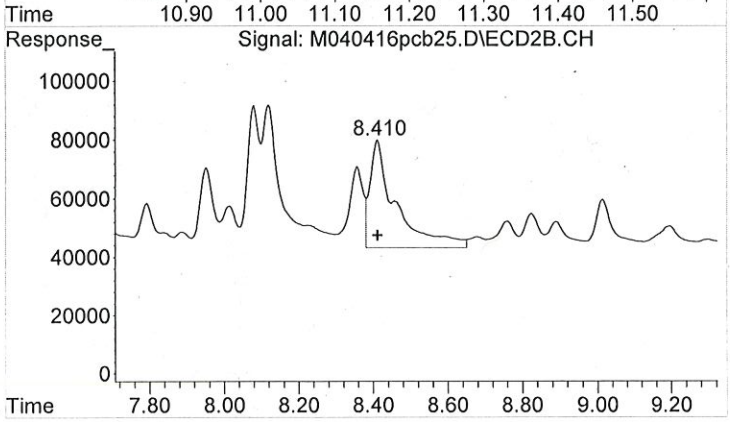
#5 1242-4

R.T.: 8.118 min
Delta R.T.: -0.002 min
Response: 48509
Conc: 112.60 pg/uL



#6 1242-5

R.T.: 11.224 min
Delta R.T.: -0.005 min
Response: 69548
Conc: 96.68 pg/uL



#6 1242-5

R.T.: 8.411 min
Delta R.T.: -0.001 min
Response: 36574
Conc: 117.43 pg/uL

PCB CCV Report

Data File....: M040416pcb37.D
Dataname.....: 87PCB021116D
Analyzed.....: 04/05/2016 1:57

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb37.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB1242.M

PCB 1242 Cont Cal 100 pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	4.24	-		10	-	-	
	dcb	-	>±1%	11.35	-	m	10	-	-	
	tmx (1) #2	-	>±1%	3.06	-		10	-	-	
	dcb #2	-	>±1%	8.20	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1242 -1	8.63		8.64	74890		100	92.0	-8.0	
	1242-2	9.10		9.11	144762		100	87.2	-13	
	1242-3	9.70		9.71	57907		100	89.4	-11	
	1242-4	10.34		10.34	60647		100	86.9	-13	
	1242-5	11.22		11.23	60881		100	83.8	-16	
	1242 -1 #2	6.70		6.70	116487		100	122	22	> ±20%
	1242-2 #2	6.88		6.88	67759		100	123	23	> ±20%
	1242-3 #2	7.46		7.46	62323		100	129	29	> ±20%
	1242-4 #2	8.12		8.12	56575		100	132	32	> ±20%
	1242-5 #2	8.41		8.41	42283		100	136	36	> ±20%

Average %Difference:	%Diff	
1242 Column 1 (n=5)	-12	
1242 Column 2 (n=5)	29	>±20%

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:57 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:27:40 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1242 -1	8.634	6.702	74890	116487	92.006	122.448 #
3) L1 1242-2	9.103	6.884	144762	67759	87.166	122.785 #
4) L1 1242-3	9.700	7.460	57907	62323	89.418	129.276 #
5) L1 1242-4	10.338	8.118	60647	56575	86.901	131.786 #
6) L1 1242-5	11.224	8.410	60881	42283	83.759	136.380 #
Sum 1242 -1			399087	345427	439.250	642.675
Average 1242 -1					87.850	128.535

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

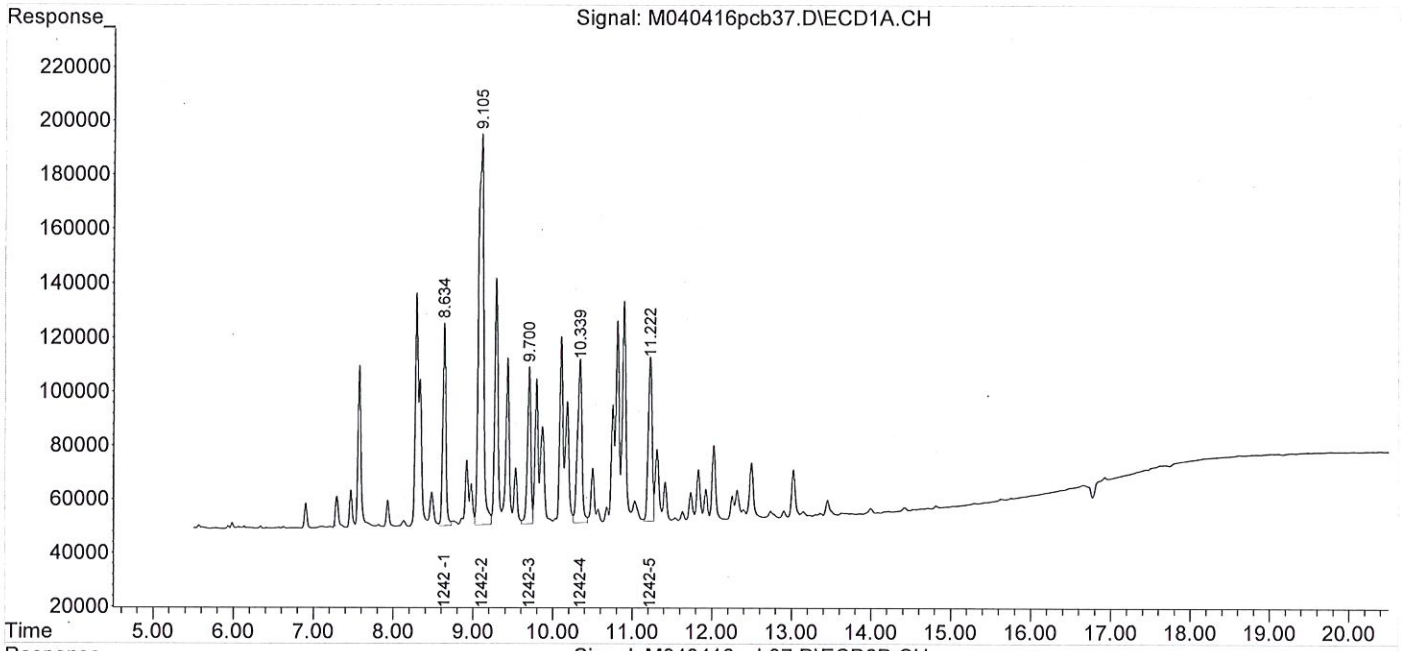
lw 4/12/16

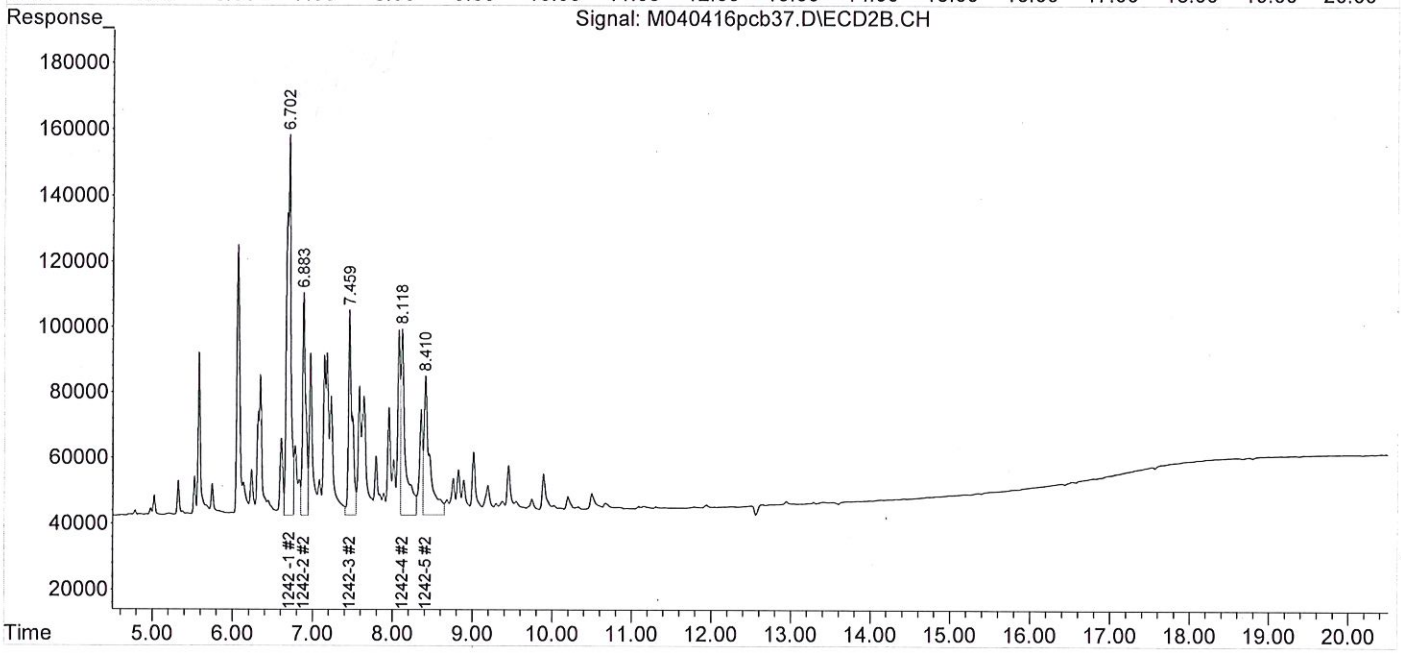
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:57 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:27:40 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:57 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:53 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	~~0~~	0	N.D.	N.D.
7) S2 dcb	11.312	0.000	~~26496~~	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.634	6.702	74890	116487	92.006	122.448 #
3) L1 1242-2	9.103	6.884	144762	67759	87.166	122.785 #
4) L1 1242-3	9.700	7.460	57907	62323	89.418	129.276 #
5) L1 1242-4	10.338	8.118	60647	56575	86.901	131.786 #
6) L1 1242-5	11.224	8.410	60881	42283	83.759	136.380 #
Sum 1242 -1			399087	345427	439.250	642.675
Average 1242 -1					87.850	128.535

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

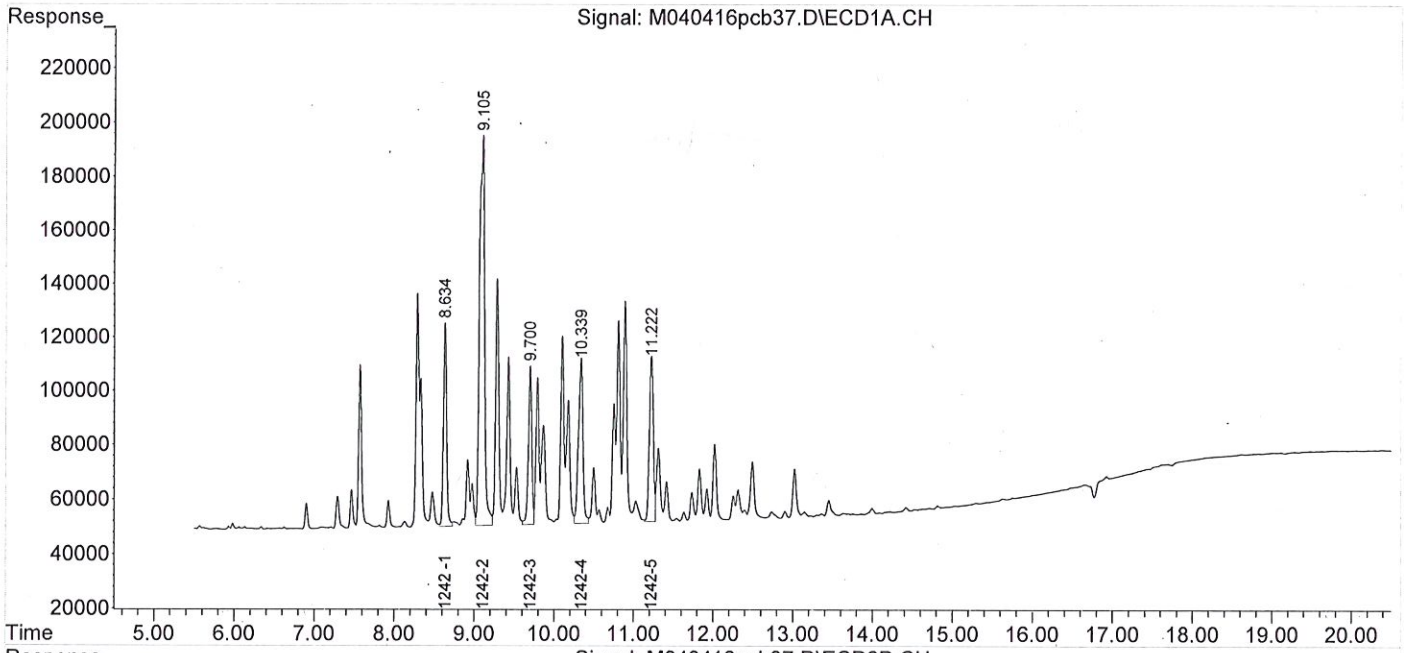
4/11/16

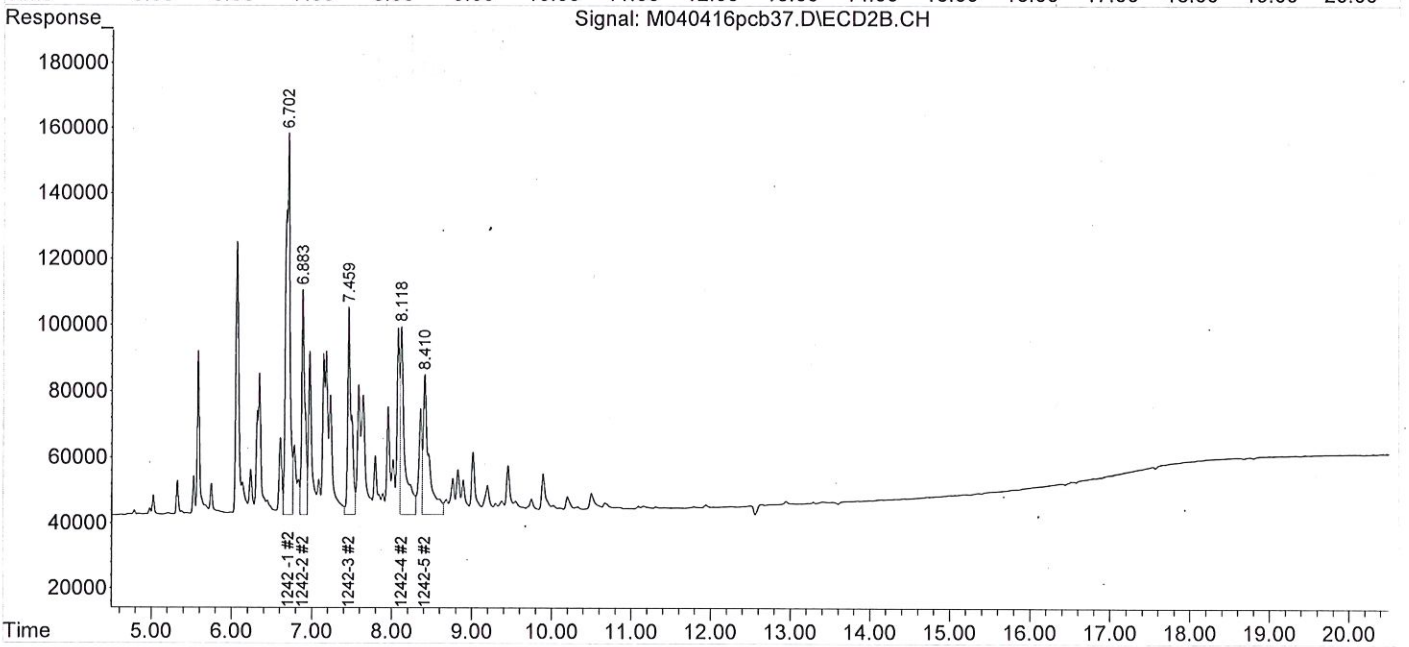
Quantitation Report (Not Reviewed)

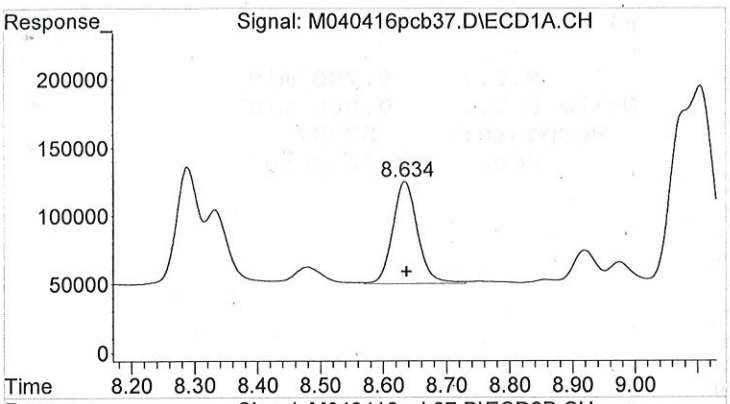
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:57 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:53 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

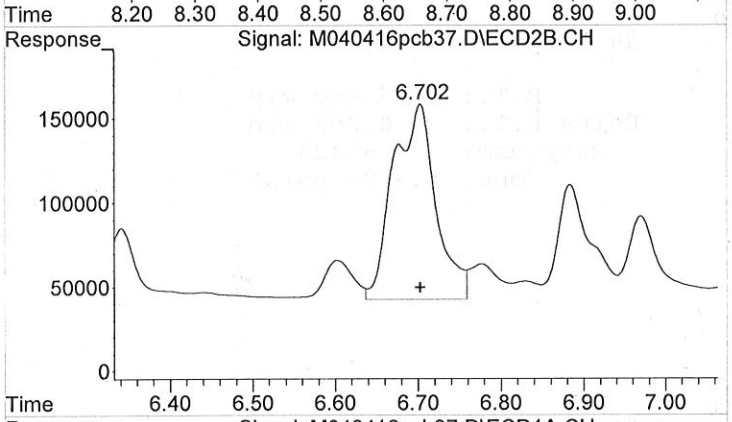






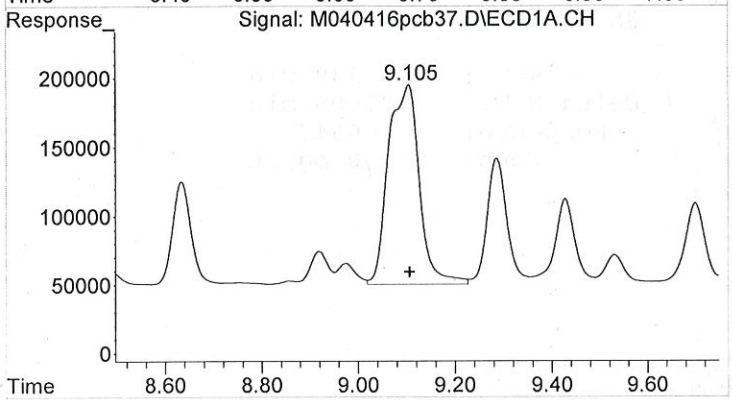
#2 1242 -1

R.T.: 8.634 min
Delta R.T.: -0.003 min
Response: 74890
Conc: 92.01 pg/uL



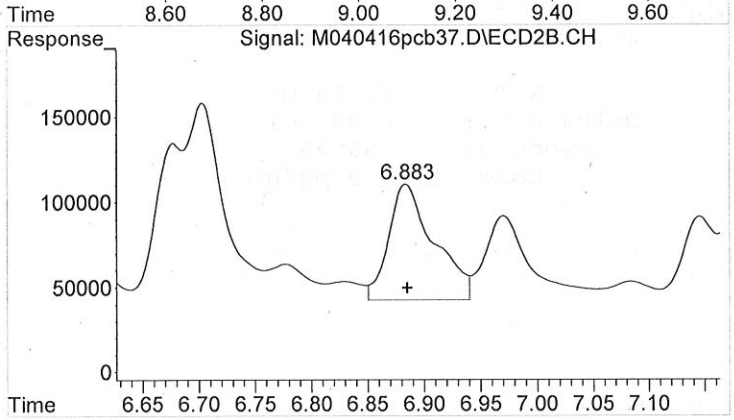
#2 1242 -1

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 116487
Conc: 122.45 pg/uL



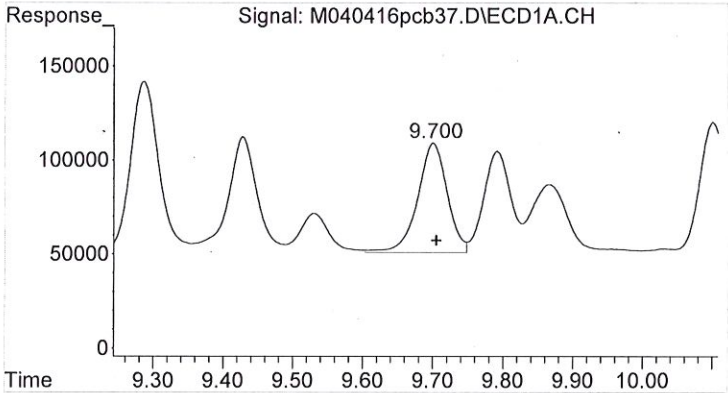
#3 1242-2

R.T.: 9.103 min
Delta R.T.: -0.004 min
Response: 144762
Conc: 87.17 pg/uL



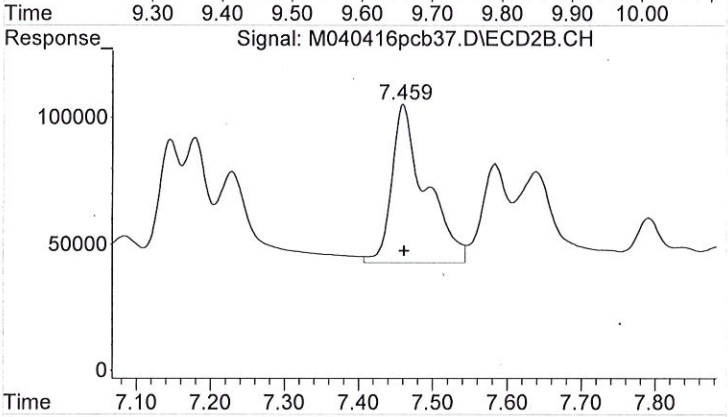
#3 1242-2

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 67759
Conc: 122.79 pg/uL



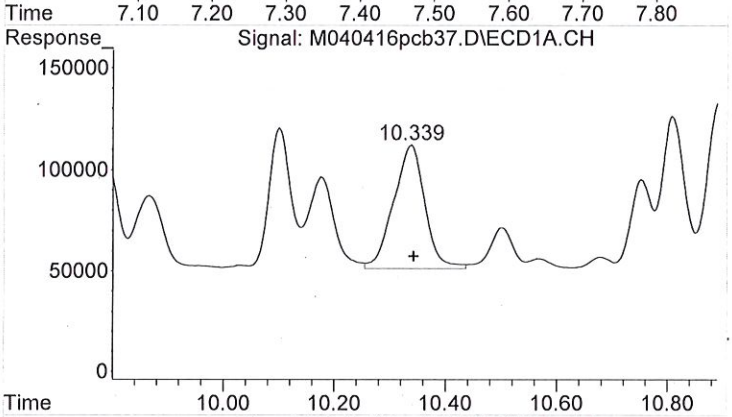
#4 1242-3

R.T.: 9.700 min
Delta R.T.: -0.005 min
Response: 57907
Conc: 89.42 pg/uL



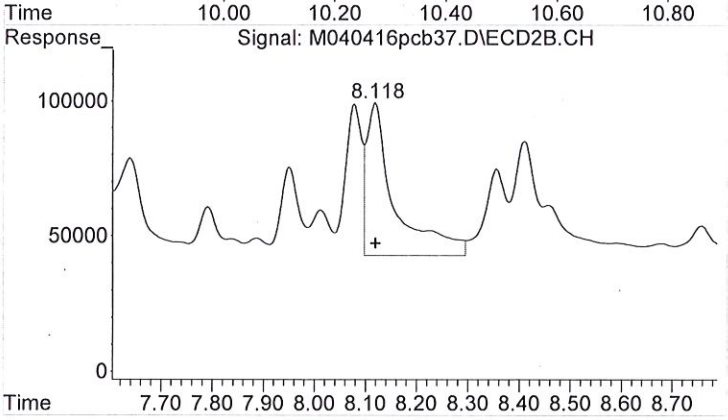
#4 1242-3

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 62323
Conc: 129.28 pg/uL



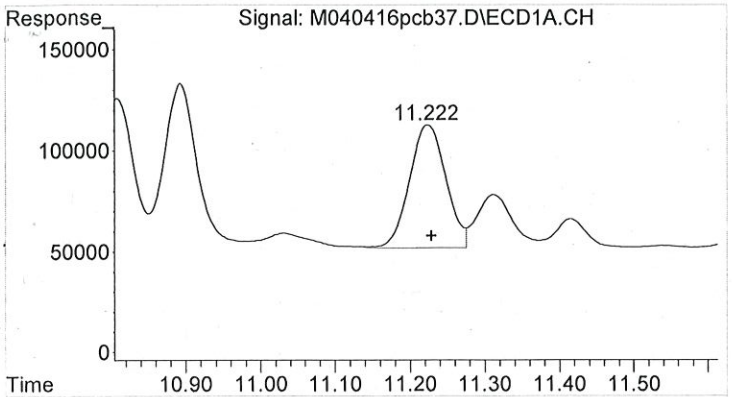
#5 1242-4

R.T.: 10.338 min
Delta R.T.: -0.005 min
Response: 60647
Conc: 86.90 pg/uL



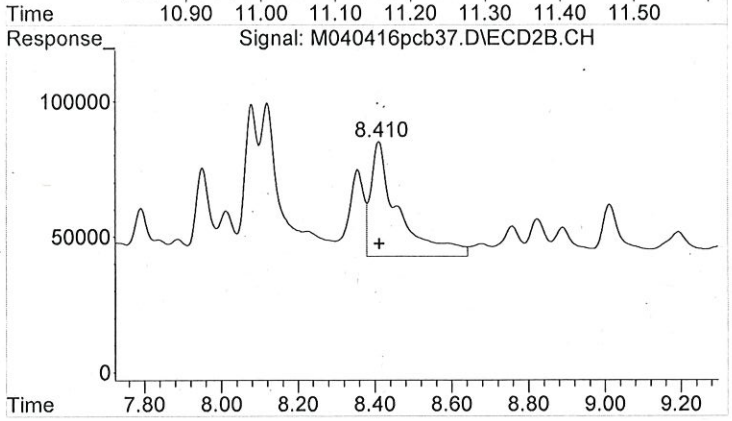
#5 1242-4

R.T.: 8.118 min
Delta R.T.: -0.002 min
Response: 56575
Conc: 131.79 pg/uL



#6 1242-5

R.T.: 11.224 min
Delta R.T.: -0.005 min
Response: 60881
Conc: 83.76 pg/uL



#6 1242-5

R.T.: 8.410 min
Delta R.T.: -0.002 min
Response: 42283
Conc: 136.38 pg/uL

PCB CCV Report

Data File....: M040416pcb50.D
Dataname.....: 87PCB021116D
Analyzed.....: 04/05/2016 9:28

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb50.D PCB 1242 Cont Cal 100 pg/uL
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB1242.M

CAS #	Compound	RT	Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate						Criteria range: <±20%D			
	tmx (1)	- >±1%	4.24	-		10	-	-	
	dcb	- >±1%	11.35	-	m	10	-	-	
	tmx (1) #2	- >±1%	3.06	-		10	-	-	
	dcb #2	- >±1%	8.20	-	m	10	-	-	
Target						Criteria range: <±20%D			
	1242 -1	8.63	8.64	89929		100	112	12	
	1242-2	9.10	9.11	185851		100	115	15	
	1242-3	9.70	9.71	75256		100	119	19	
	1242-4	10.34	10.34	81029		100	119	19	
	1242-5	11.22	11.23	83765		100	118	18	
	1242 -1 #2	6.70	6.70	94197		100	98.5	-1.5	
	1242-2 #2	6.88	6.88	56270		100	101	0.96	
	1242-3 #2	7.46	7.46	49614		100	102	1.9	
	1242-4 #2	8.12	8.12	44424		100	103	2.9	
	1242-5 #2	8.41	8.41	33266		100	106	6.4	

Average %Difference:	%Diff
1242 Column 1 (n=5)	17
1242 Column 2 (n=5)	2.1

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:28 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:40:00 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1242 -1	8.634	6.701	89929	94197	112.324	98.530
3) L1 1242-2	9.103	6.883	185851	56270	114.524	100.962
4) L1 1242-3	9.701	7.460	75256	49614	119.299	101.870
5) L1 1242-4	10.337	8.118	81029	44424	119.081	102.878
6) L1 1242-5	11.222	8.410	83765	33266	118.129	106.448
Sum 1242 -1			515829	277772	583.358	510.687
Average 1242 -1					116.672	102.137

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

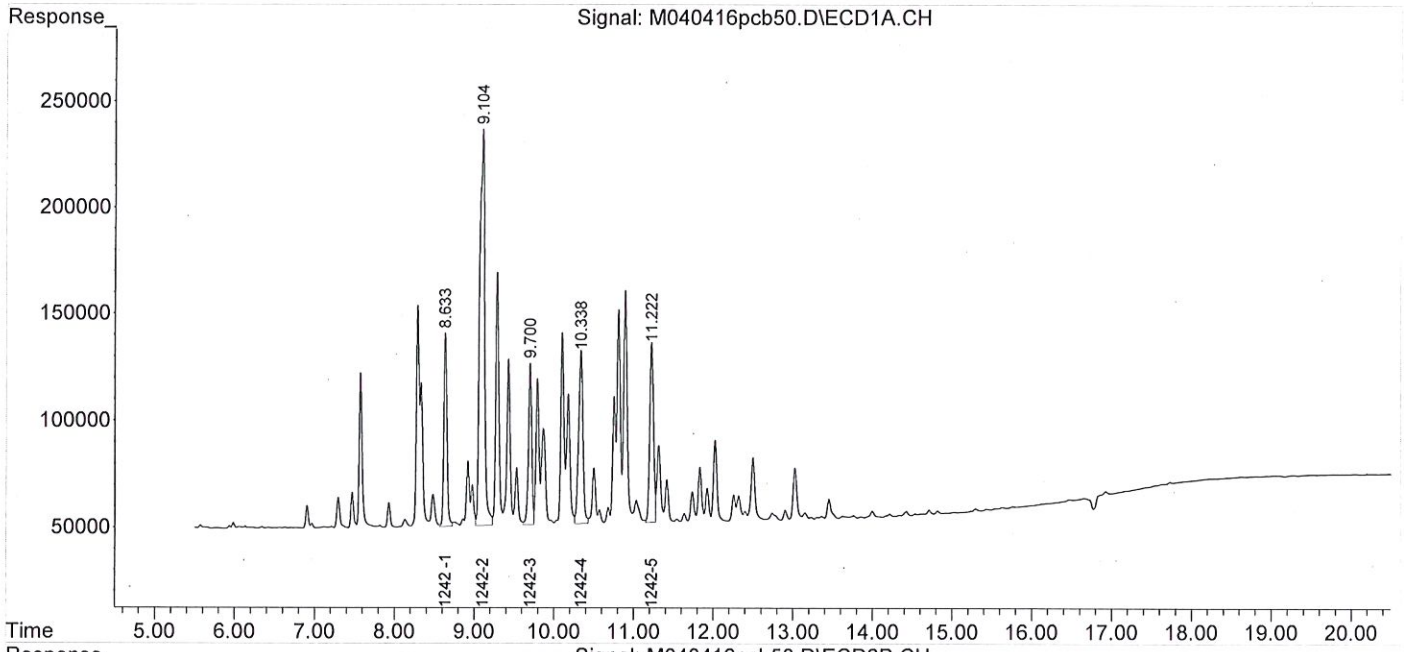
hw
4/12/16

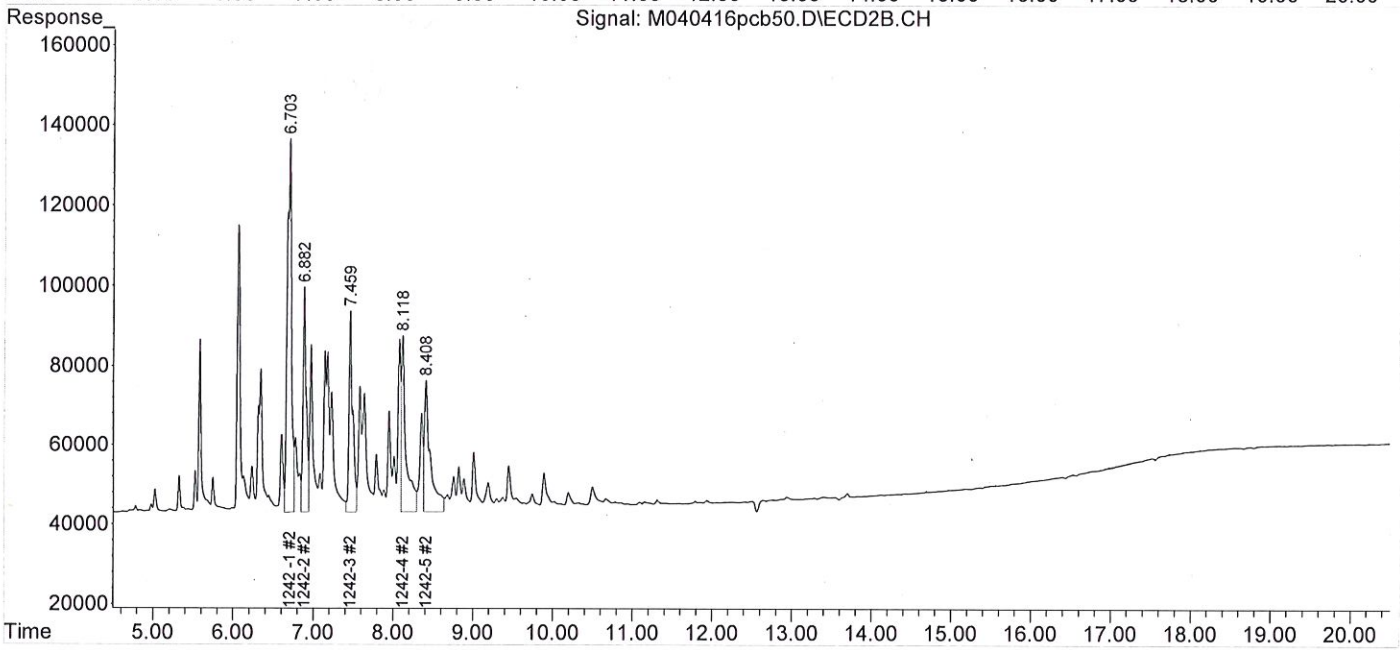
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:28 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:40:00 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:28 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:59:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.311	0.000	35701	0	NoCal	N.D.
Target Compounds						
2) L1 1242 -1	8.634	6.701	89929	94197	112.324	98.530
3) L1 1242-2	9.103	6.883	185851	56270	114.524	100.962
4) L1 1242-3	9.701	7.460	75256	49614	119.299	101.870
5) L1 1242-4	10.337	8.118	81029	44424	119.081	102.878
6) L1 1242-5	11.222	8.410	83765	33266	118.129	106.448
Sum 1242 -1			515829	277772	583.358	510.687
Average 1242 -1					116.672	102.137

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

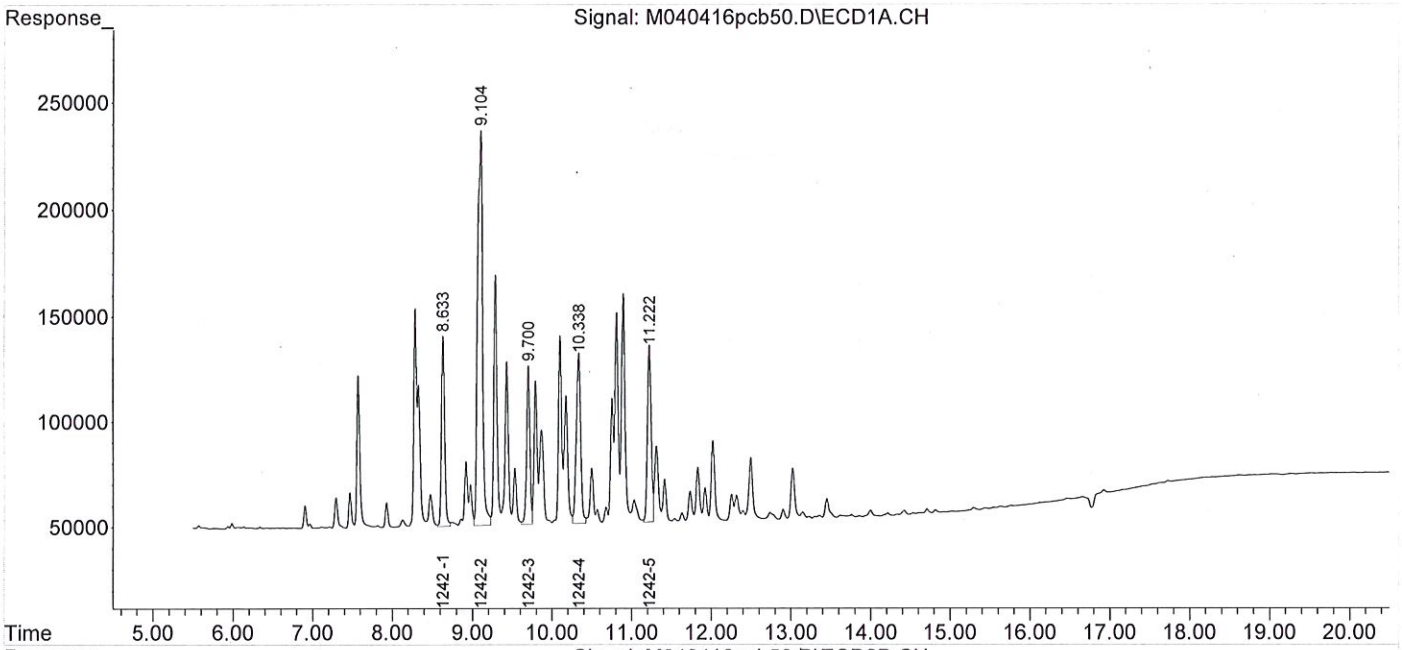
4/11/16

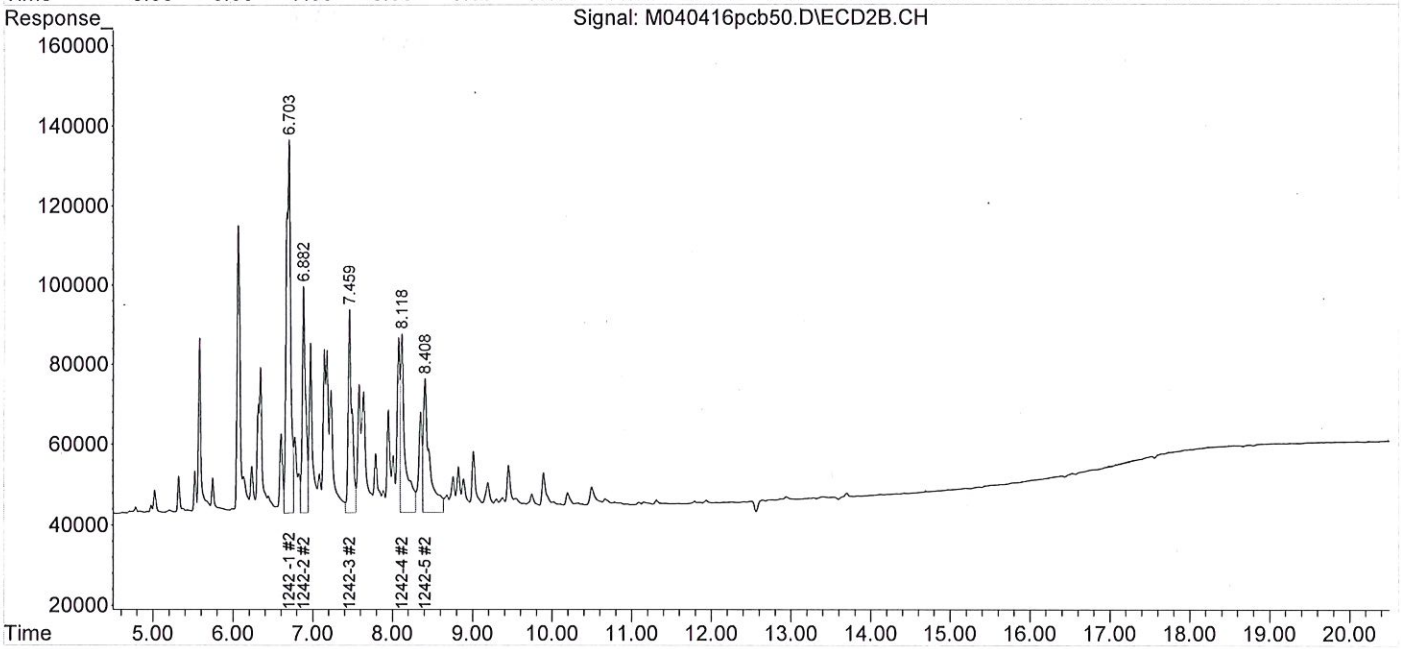
Quantitation Report (Not Reviewed)

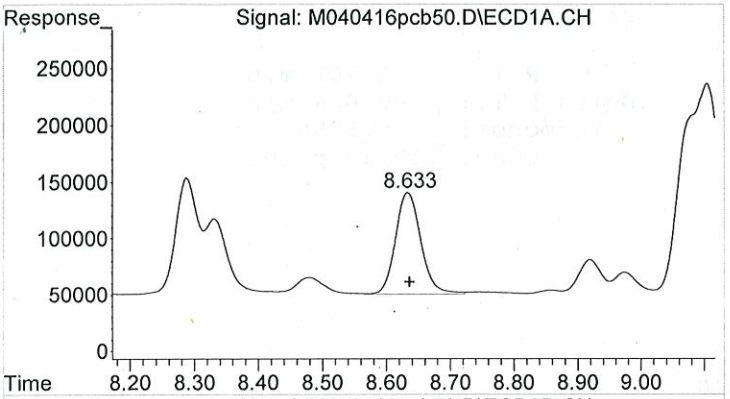
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 9:28 am
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:59:41 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

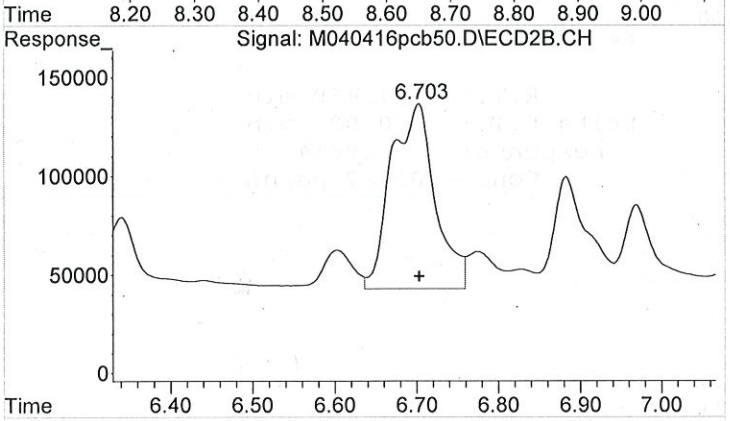






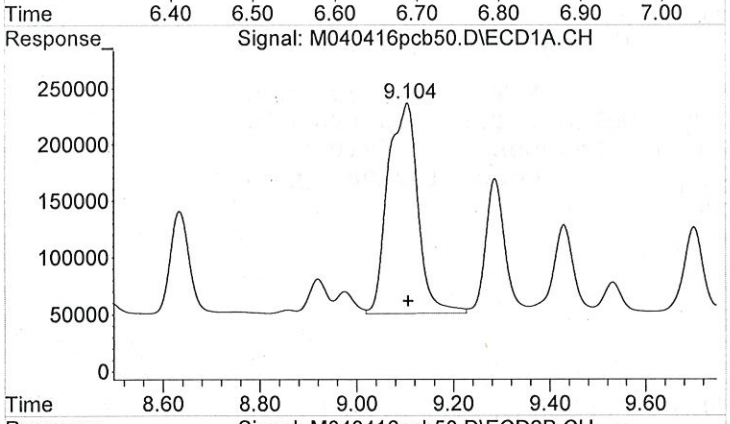
#2 1242 -1

R.T.: 8.634 min
Delta R.T.: -0.003 min
Response: 89929
Conc: 112.32 pg/uL



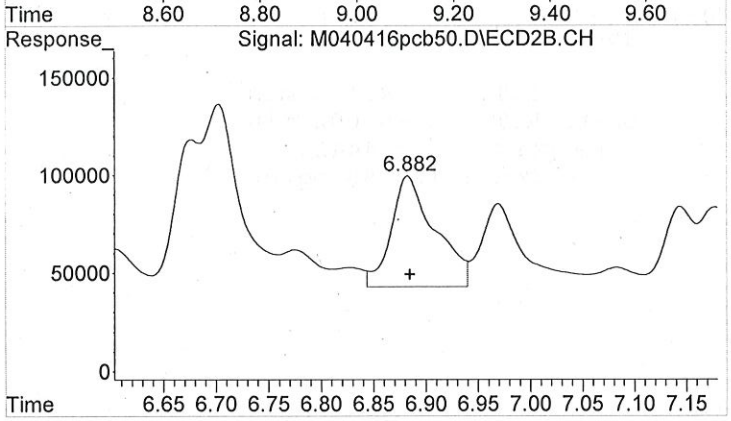
#2 1242 -1

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 94197
Conc: 98.53 pg/uL



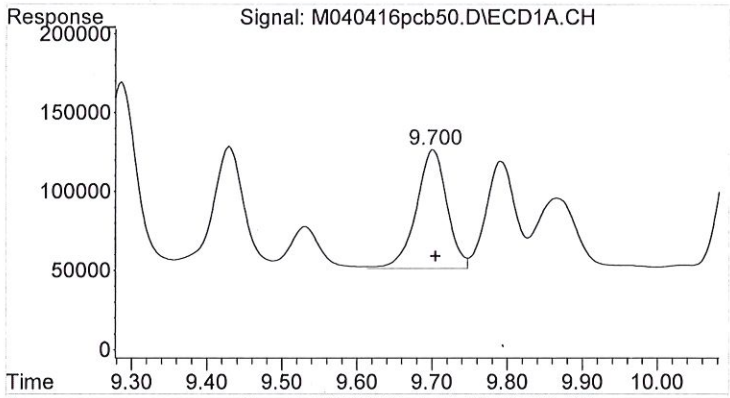
#3 1242-2

R.T.: 9.103 min
Delta R.T.: -0.004 min
Response: 185851
Conc: 114.52 pg/uL



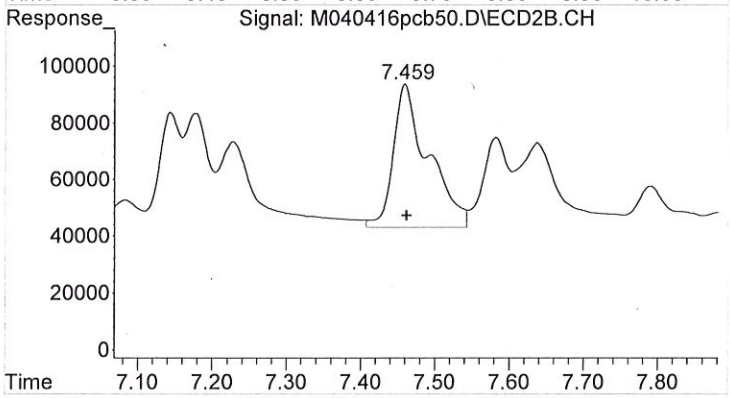
#3 1242-2

R.T.: 6.883 min
Delta R.T.: -0.002 min
Response: 56270
Conc: 100.96 pg/uL



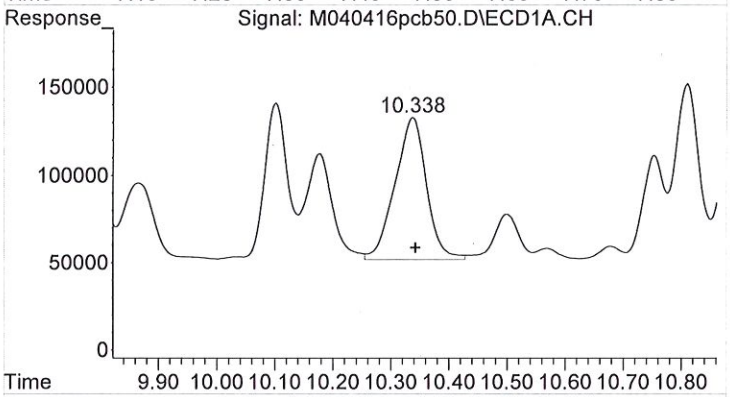
#4 1242-3

R.T.: 9.701 min
Delta R.T.: -0.004 min
Response: 75256
Conc: 119.30 pg/uL



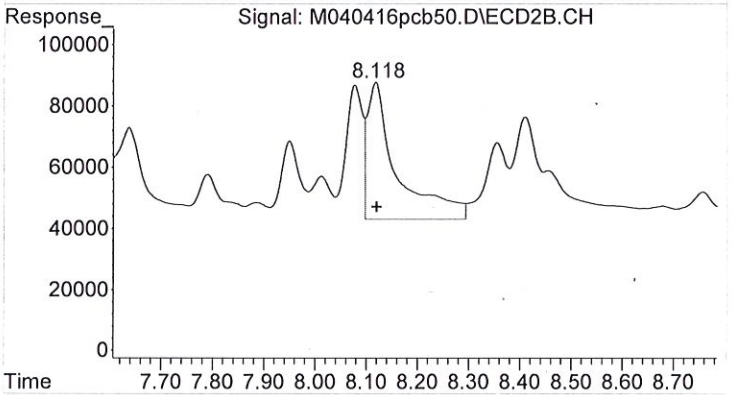
#4 1242-3

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 49614
Conc: 101.87 pg/uL



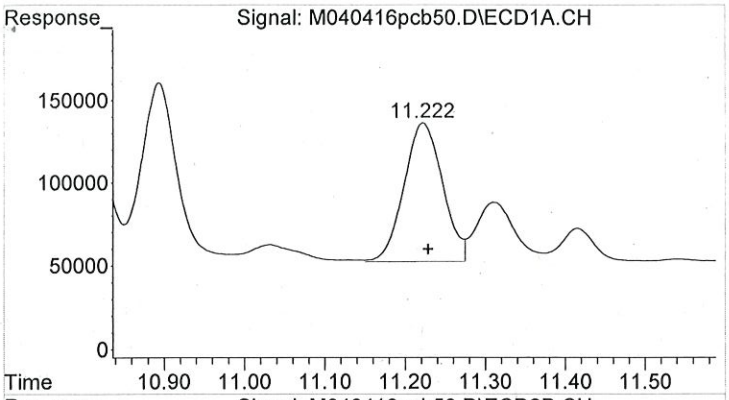
#5 1242-4

R.T.: 10.337 min
Delta R.T.: -0.006 min
Response: 81029
Conc: 119.08 pg/uL



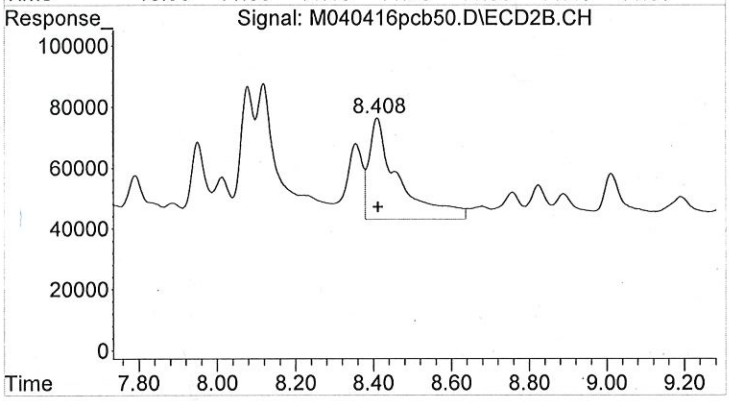
#5 1242-4

R.T.: 8.118 min
Delta R.T.: -0.002 min
Response: 44424
Conc: 102.88 pg/uL



#6 1242-5

R.T.: 11.222 min
Delta R.T.: -0.007 min
Response: 83765
Conc: 118.13 pg/uL



#6 1242-5

R.T.: 8.410 min
Delta R.T.: -0.002 min
Response: 33266
Conc: 106.45 pg/uL

PCB CCV Report

Data File....: M040416pcb57.D
Dataname.....: 87PCB021116D
Analyzed.....: 04/05/2016 13:04

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb57.D PCB 1242 Cont Cal 100 pg/uL
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB1242.M

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	4.24	-		10	-	-	
	dcb	-	>±1%	11.35	-	m	10	-	-	
	tmx (1) #2	-	>±1%	3.06	-		10	-	-	
	dcb #2	-	>±1%	8.20	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1242 -1	8.63		8.64	83221		100	103	3.2	
	1242-2	9.10		9.11	166144		100	101	1.3	
	1242-3	9.70		9.71	66819		100	105	4.7	
	1242-4	10.34		10.34	70885		100	103	3.0	
	1242-5	11.22		11.23	72298		100	101	0.81	
	1242 -1 #2	6.70		6.70	92233		100	96.4	-3.6	
	1242-2 #2	6.88		6.88	53448		100	95.6	-4.4	
	1242-3 #2	7.46		7.46	48197		100	98.8	-1.2	
	1242-4 #2	8.12		8.12	41718		100	96.4	-3.6	
	1242-5 #2	8.41		8.41	32204		100	103	2.9	

Average %Difference:	%Diff
1242 Column 1 (n=5)	2.6
1242 Column 2 (n=5)	-2.0

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:04 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:44:23 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7)	S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	L1 1242 -1	8.634	6.702	83221	92233	103.228	96.422
3)	L1 1242-2	9.104	6.884	166144	53448	101.343	95.603
4)	L1 1242-3	9.701	7.460	66819	48197	104.696	98.813
5)	L1 1242-4	10.339	8.117	70885	41718	102.985	96.439
6)	L1 1242-5	11.224	8.410	72298	32204	100.808	102.923
	Sum 1242 -1			459367	267800	513.061	490.200
	Average 1242 -1					102.612	98.040

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

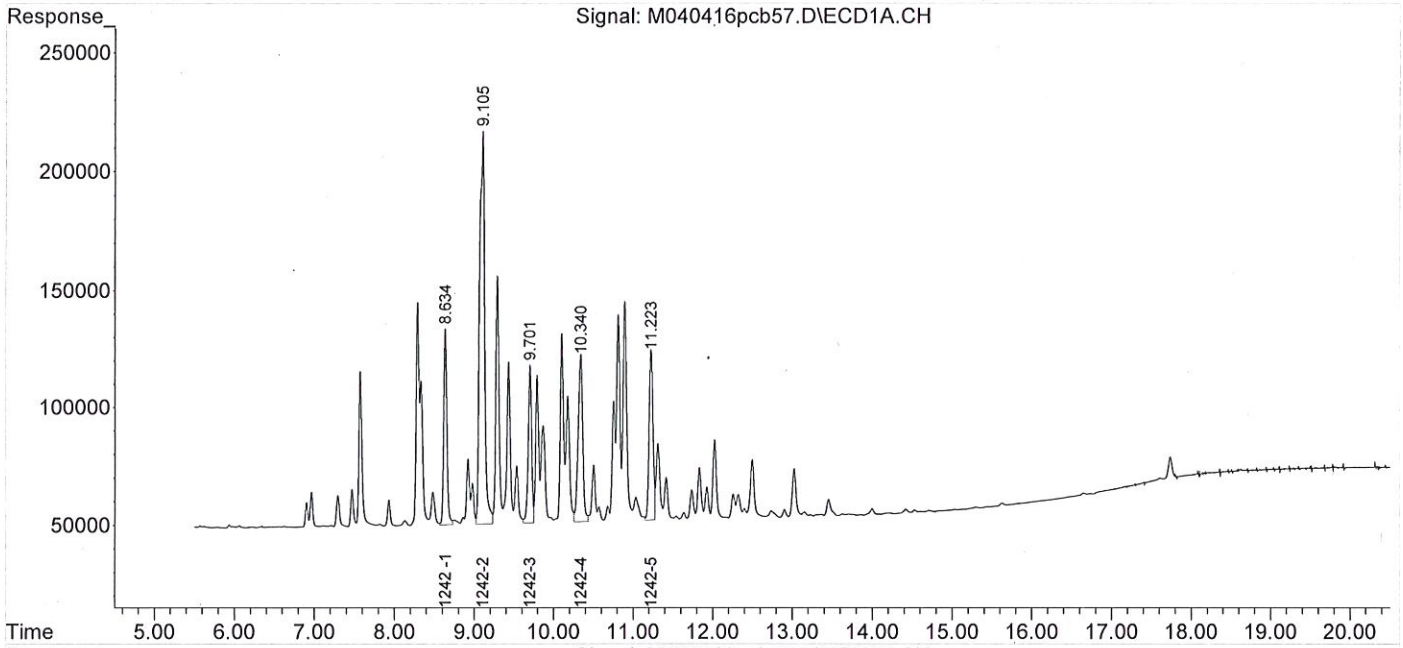
hw
4/12/16

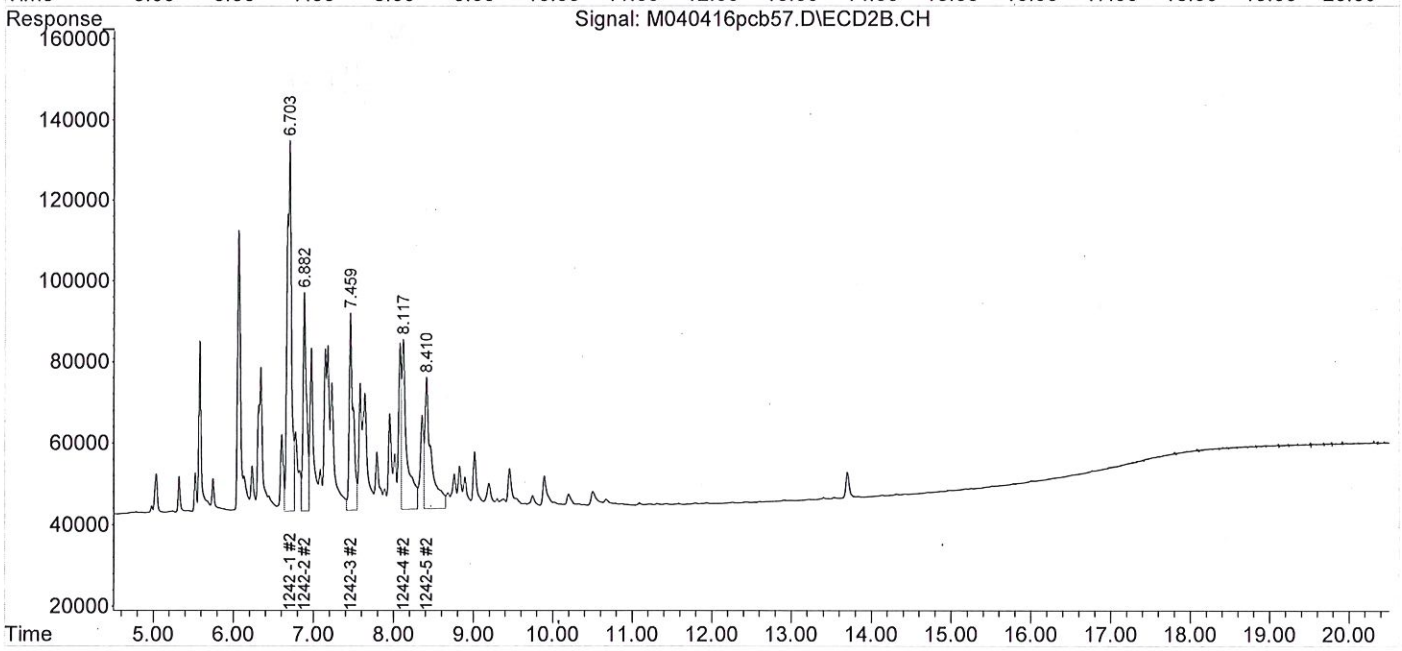
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:04 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:44:23 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:04 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:00:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7)	S2 dcb	11.311	0.000	32164	0	NoCal	N.D.
	Target Compounds						
2)	L1 1242 -1	8.634	6.702	83221	92233	103.228	96.422
3)	L1 1242-2	9.104	6.884	166144	53448	101.343	95.603
4)	L1 1242-3	9.701	7.460	66819	48197	104.696	98.813
5)	L1 1242-4	10.339	8.117	70885	41718	102.985	96.439
6)	L1 1242-5	11.224	8.410	72298	32204	100.808	102.923
	Sum 1242 -1			459367	267800	513.061	490.200
	Average 1242 -1					102.612	98.040

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

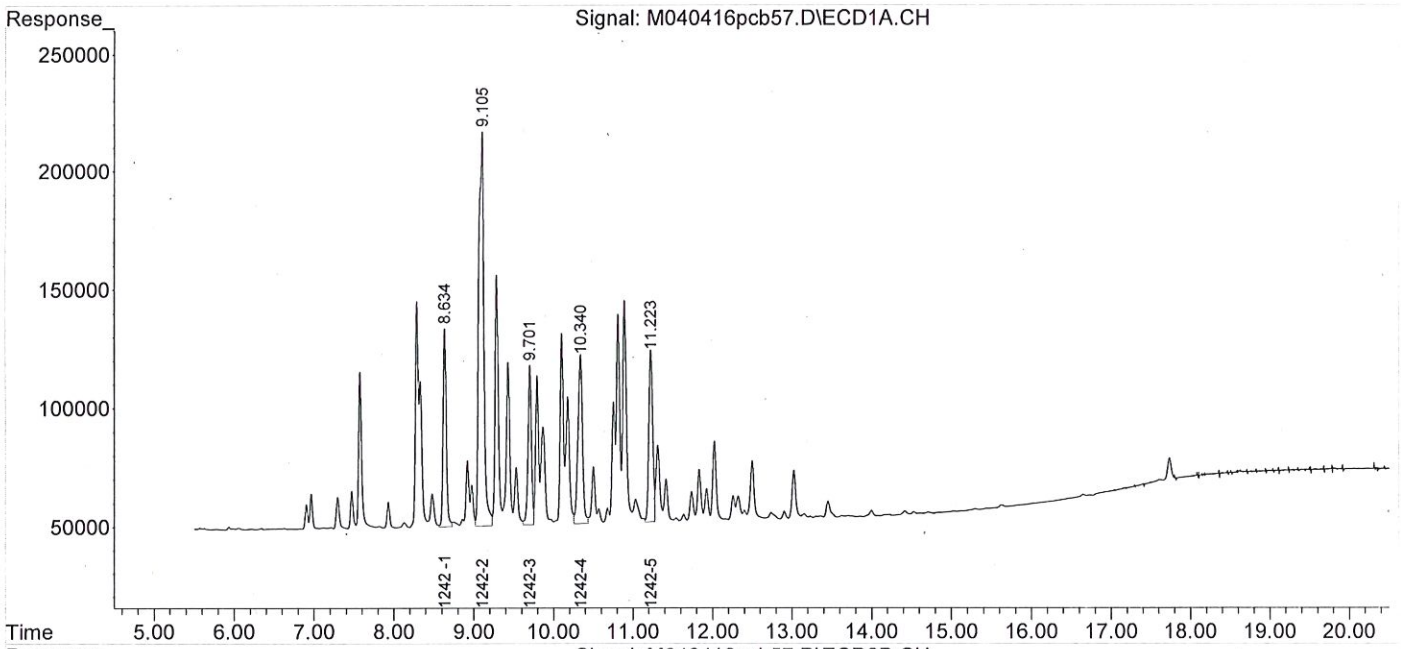
MW
4/11/16

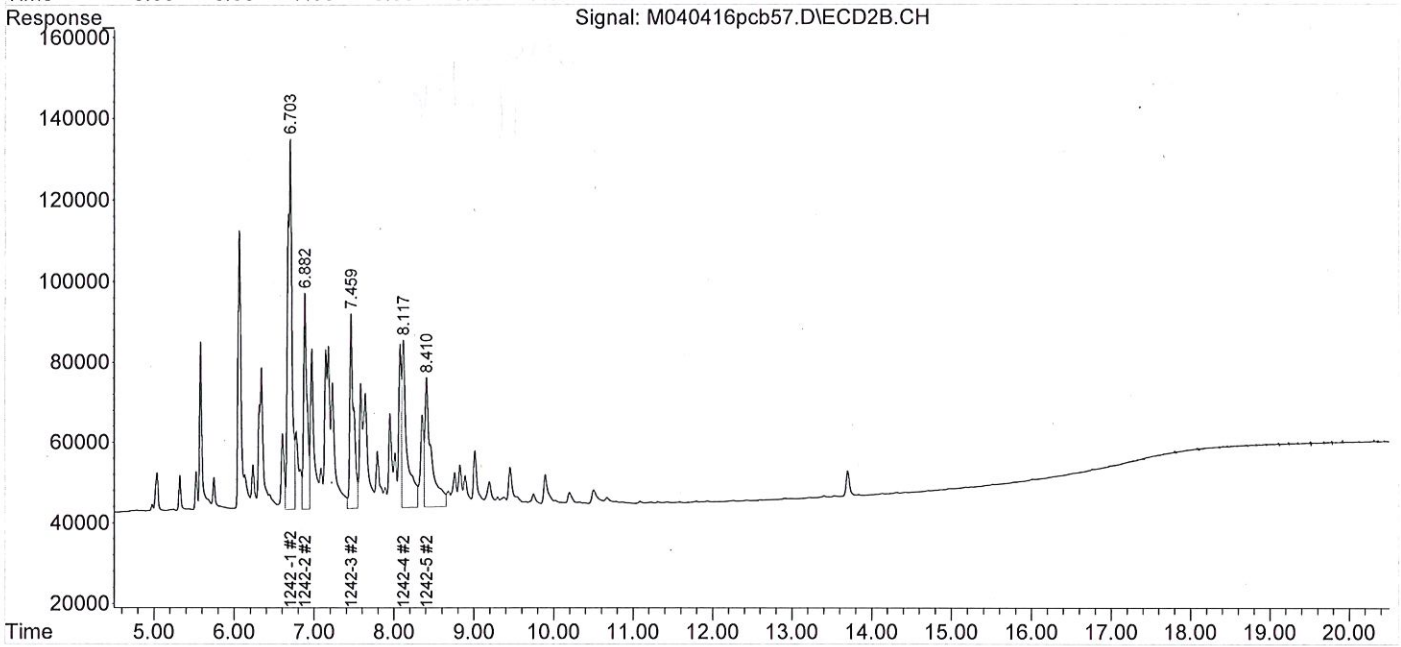
Quantitation Report (Not Reviewed)

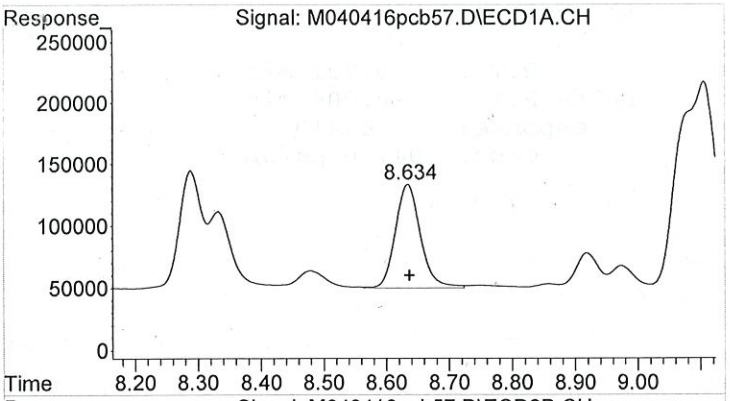
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Apr 2016 1:04 pm
Operator : DWOOD
Sample : 87PCB021116D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:00:05 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

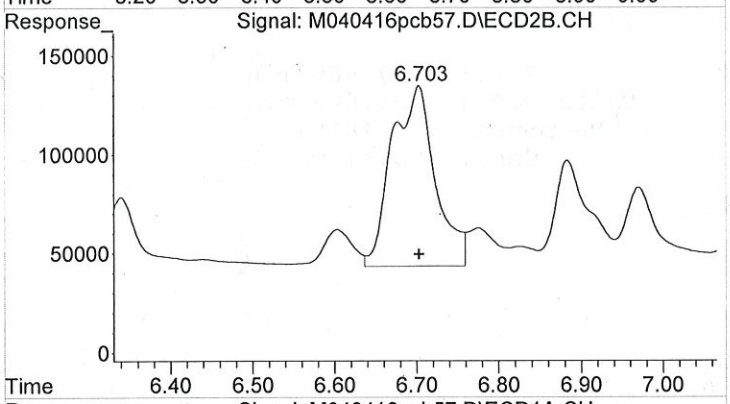






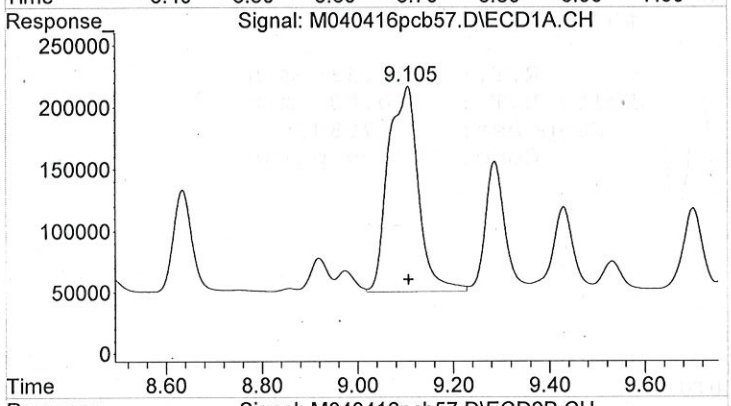
#2 1242 -1

R.T.: 8.634 min
Delta R.T.: -0.003 min
Response: 83221
Conc: 103.23 pg/uL



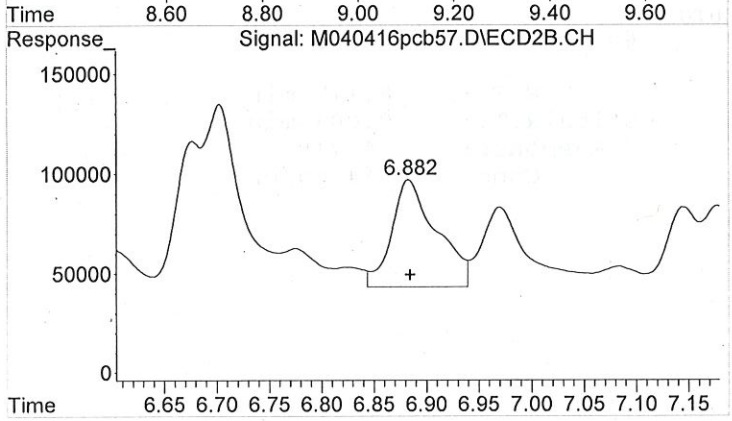
#2 1242 -1

R.T.: 6.702 min
Delta R.T.: -0.001 min
Response: 92233
Conc: 96.42 pg/uL



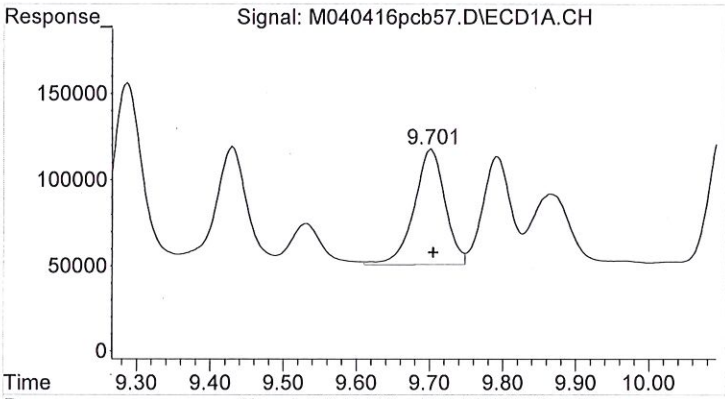
#3 1242-2

R.T.: 9.104 min
Delta R.T.: -0.003 min
Response: 166144
Conc: 101.34 pg/uL



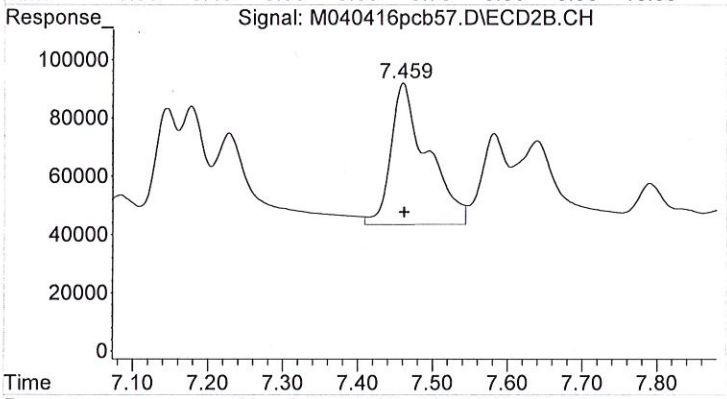
#3 1242-2

R.T.: 6.884 min
Delta R.T.: -0.001 min
Response: 53448
Conc: 95.60 pg/uL



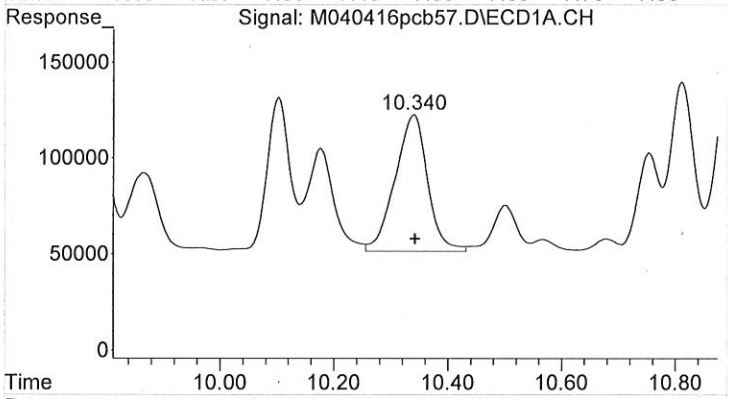
#4 1242-3

R.T.: 9.701 min
Delta R.T.: -0.004 min
Response: 66819
Conc: 104.70 pg/uL



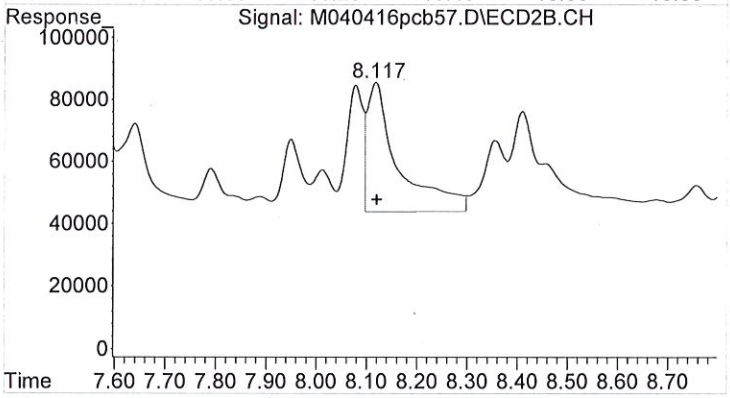
#4 1242-3

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 48197
Conc: 98.81 pg/uL



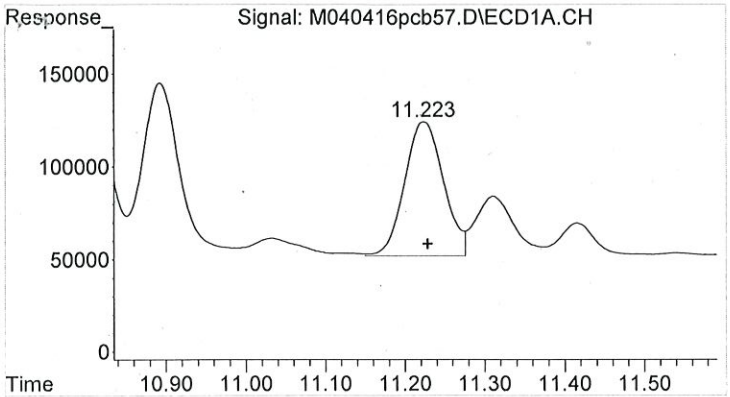
#5 1242-4

R.T.: 10.339 min
Delta R.T.: -0.004 min
Response: 70885
Conc: 102.99 pg/uL



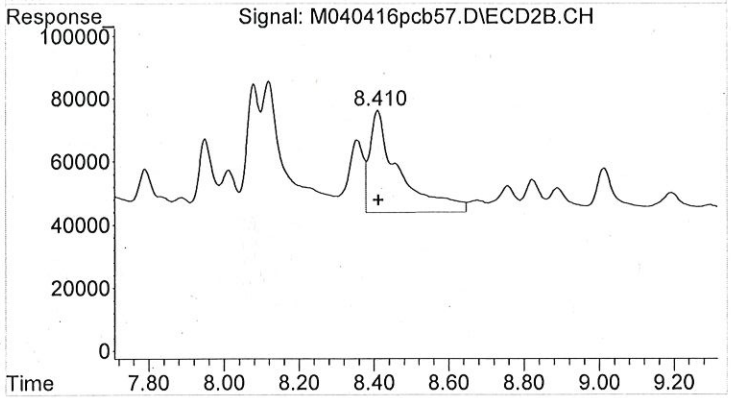
#5 1242-4

R.T.: 8.117 min
Delta R.T.: -0.003 min
Response: 41718
Conc: 96.44 pg/uL



#6 1242-5

R.T.: 11.224 min
Delta R.T.: -0.005 min
Response: 72298
Conc: 100.81 pg/uL



#6 1242-5

R.T.: 8.410 min
Delta R.T.: -0.002 min
Response: 32204
Conc: 102.92 pg/uL

PCB CCV Report

Data File....: M041316pcb03.D
Dataname.....: 87PCB041116A
Analyzed.....: 04/13/2016 10:11

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\M041316pcb03.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.97	341814	10	9.20	-8.0	
	dcb	17.73	17.74	177074 m	10	7.78	-22	> ±20%
	tmx (1) #2	5.04	5.04	308203	10	11.3	13	
	dcb #2	13.70	13.70	200287	10	12.1	21	> ±20%
Target					Criteria range: <±20%D			
	1016 -1	8.29	8.29	86654	100	91.4	-8.6	
	1016-2	8.63	8.64	75172	100	90.8	-9.2	
	1016-3	9.29	9.29	94367	100	91.2	-8.8	
	1016-4	9.43	9.43	61690	100	90.1	-9.9	
	1016-5	10.10	10.11	69722	100	90.1	-9.9	
	1260-1	12.90	12.91	156015	100	86.2	-14	
	1260-2	13.45	13.45	159136	100	88.7	-11	
	1260-3	13.76	13.76	119626	100	88.4	-12	
	1260-4	14.22	14.22	117909	100	90.2	-9.8	
	1260-5	14.71	14.72	247594	100	87.0	-13	
	1016 -1 #2	5.58	5.58	55525	100	113	13	
	1016-2 #2	6.06	6.07	87937	100	111	11	
	1016-3 #2	6.70	6.70	125946	100	116	16	
	1016-4 #2	6.88	6.89	74194	100	115	15	
	1016-5 #2	7.46	7.46	65979	100	118	18	
	1260-1 #2	9.30	9.30	120710	100	128	28	> ±20%
	1260-2 #2	9.74	9.74	169870	100	129	29	> ±20%
	1260-3 #2	10.19	10.20	125592	100	120	20	> ±20%
	1260-4 #2	11.31	11.31	224565	100	122	22	> ±20%
	1260-5 #2	11.79	11.80	105329	100	118	18	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	-9.3	
1016 Column 2 (n=5)	15	
1260 Column 1 (n=5)	-12	
1260 Column 2 (n=5)	24	>±20%

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 10:11 am
Operator : DWOOD
Sample : 87PCB041116A
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:10:19 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	6.963	5.037	341814	308203	9.198	11.305	
12)	S2 dcb	17.731	13.696	177074	200287	7.783m	12.119	#
	Target Compounds							
2)	L1 1016 -1	8.289	5.579	86654	55525	91.427	113.497	
3)	L1 1016-2	8.634	6.063	75172	87937	90.793	110.630	
4)	L1 1016-3	9.285	6.701	94367	125946	91.194	115.528	#
5)	L1 1016-4	9.428	6.883	61690	74194	90.103	114.991	#
6)	L1 1016-5	10.101	7.459	69722	65979	90.076	118.294	#
	Sum 1016 -1			387606	409580	453.593	572.940	
	Average 1016 -1					90.719	114.588	
7)	L2 1260-1	12.902	9.296	156015	120710	86.226	128.420	#
8)	L2 1260-2	13.450	9.741	159136	169870	88.694	128.720	#
9)	L2 1260-3	13.756	10.193	119626	125592	88.388	120.110	#
10)	L2 1260-4	14.215	11.308	117909	224565	90.178	121.979	#
11)	L2 1260-5	14.710	11.789	247594	105329	86.988	118.443	#
	Sum 1260-1			800281	746066	440.475	617.671	
	Average 1260-1					88.095	123.534	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

4/14/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 10:11 am
Operator : DWOOD
Sample : 87PCB041116A
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:03:21 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	6.963	5.037	341814	308203	9.198	11.305	
12) S2 dcb	17.732	13.696	234483	200287	10.567	12.119	
Target Compounds							
2) L1 1016 -1	8.289	5.579	86654	55525	91.427	113.497	
3) L1 1016-2	8.634	6.063	75172	87937	90.793	110.630	
4) L1 1016-3	9.285	6.701	94367	125946	91.194	115.528	#
5) L1 1016-4	9.428	6.883	61690	74194	90.103	114.991	#
6) L1 1016-5	10.101	7.459	69722	65979	90.076	118.294	#
Sum 1016 -1			387606	409580	453.593	572.940	
Average 1016 -1					90.719	114.588	
7) L2 1260-1	12.902	9.296	156015	120710	86.226	128.420	#
8) L2 1260-2	13.450	9.741	159136	169870	88.694	128.720	#
9) L2 1260-3	13.756	10.193	119626	125592	88.388	120.110	#
10) L2 1260-4	14.215	11.308	117909	224565	90.178	121.979	#
11) L2 1260-5	14.710	11.789	247594	105329	86.988	118.443	#
Sum 1260-1			800281	746066	440.475	617.671	
Average 1260-1					88.095	123.534	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

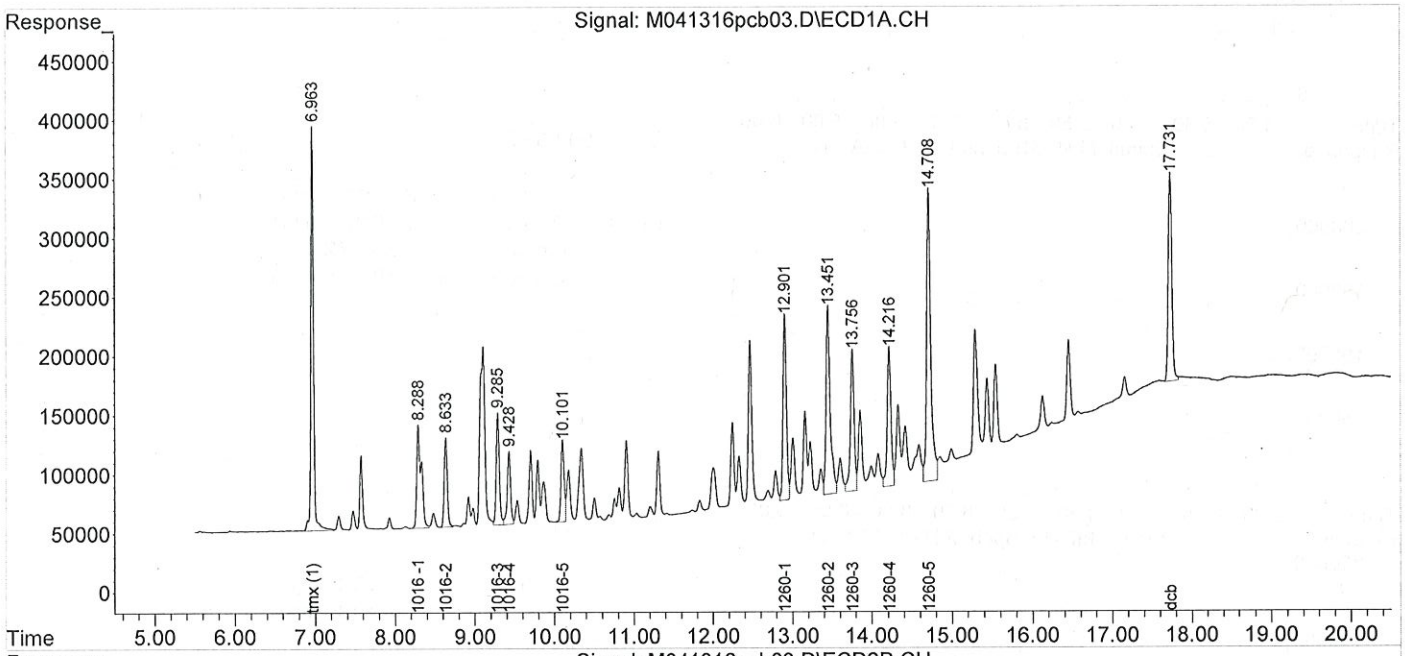
4/14/16

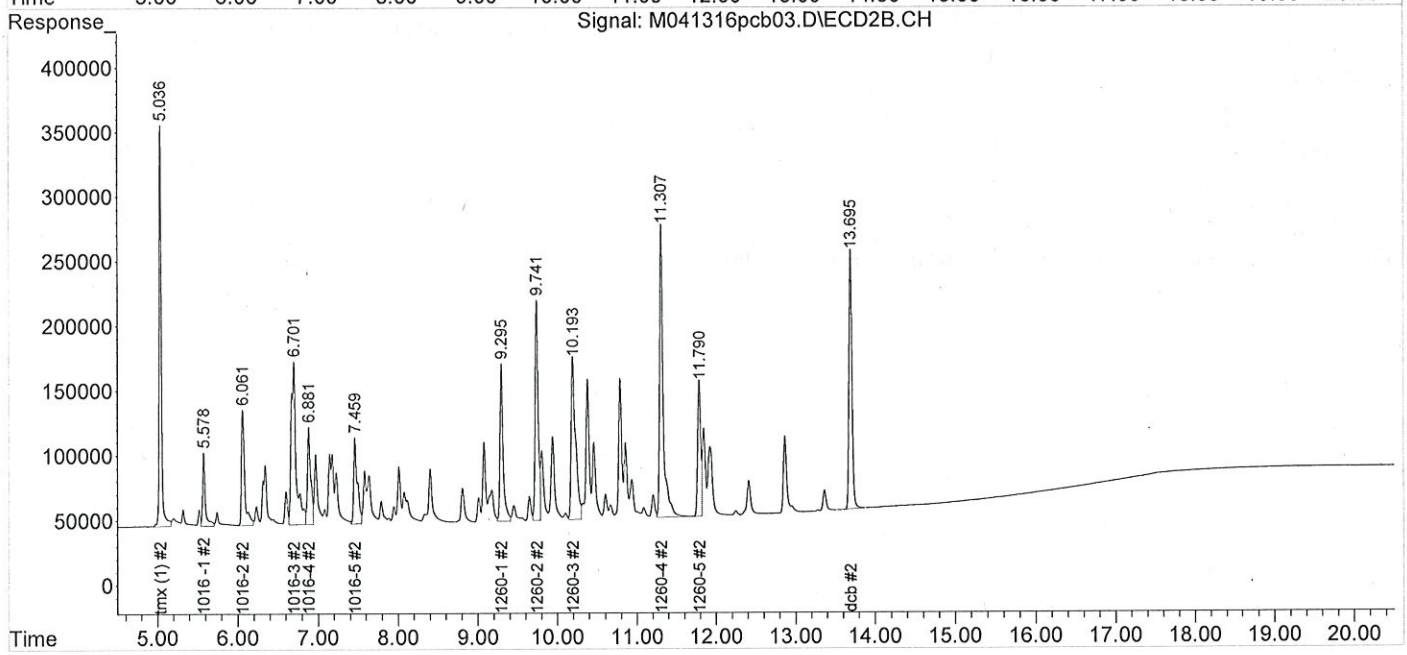
Quantitation Report (QT Reviewed)

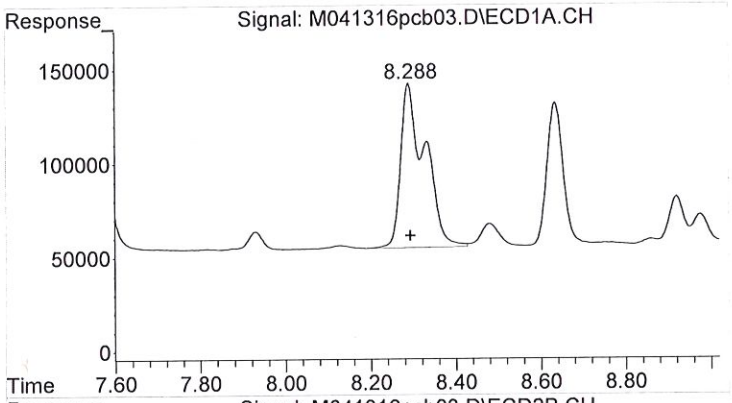
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 10:11 am
Operator : DWOOD
Sample : 87PCB041116A
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:10:19 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

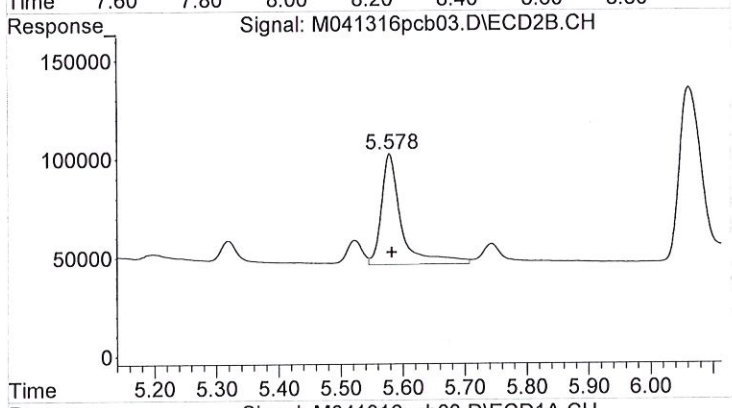






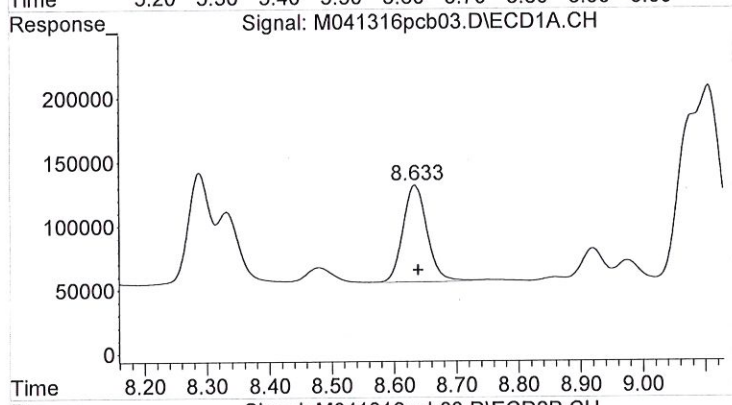
#2 1016 -1

R.T.: 8.289 min
Delta R.T.: -0.004 min
Response: 86654
Conc: 91.43 pg/uL



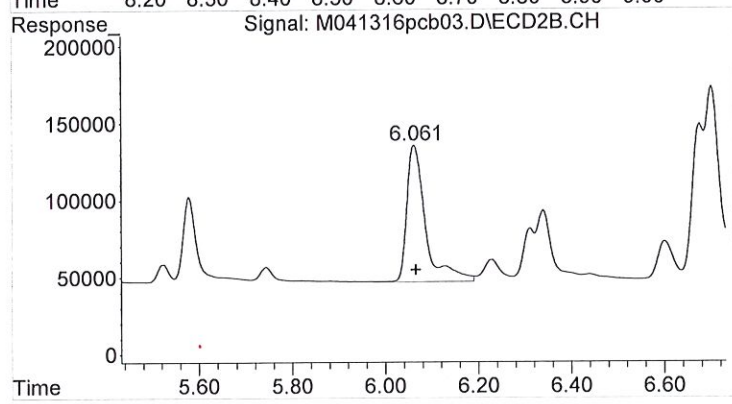
#2 1016 -1

R.T.: 5.579 min
Delta R.T.: -0.004 min
Response: 55525
Conc: 113.50 pg/uL



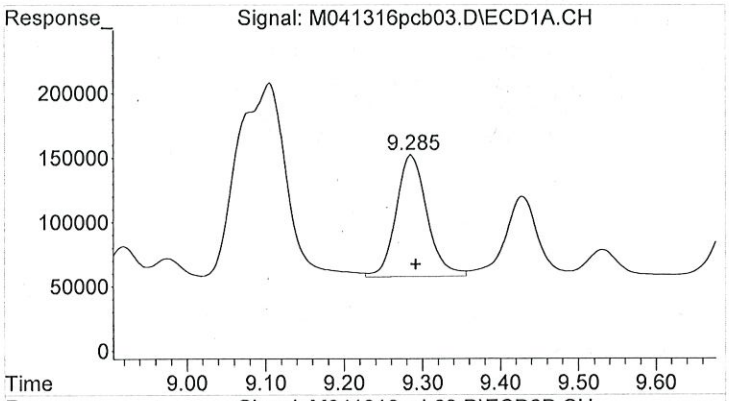
#3 1016-2

R.T.: 8.634 min
Delta R.T.: -0.005 min
Response: 75172
Conc: 90.79 pg/uL



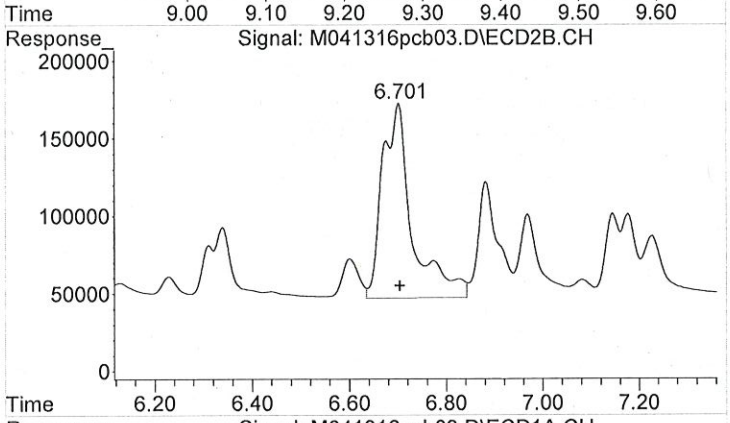
#3 1016-2

R.T.: 6.063 min
Delta R.T.: -0.003 min
Response: 87937
Conc: 110.63 pg/uL



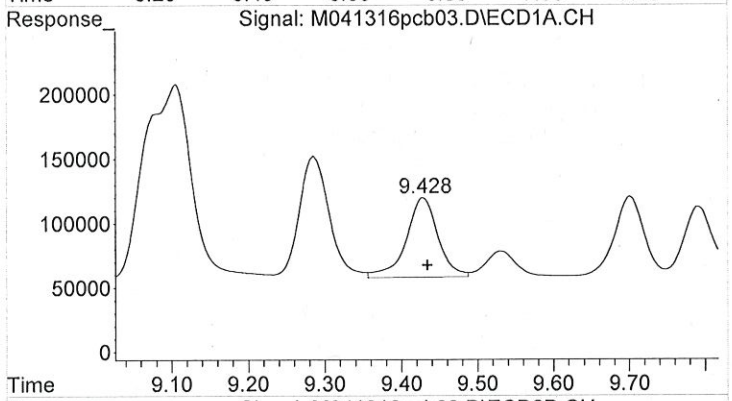
#4 1016-3

R.T.: 9.285 min
Delta R.T.: -0.007 min
Response: 94367
Conc: 91.19 pg/uL



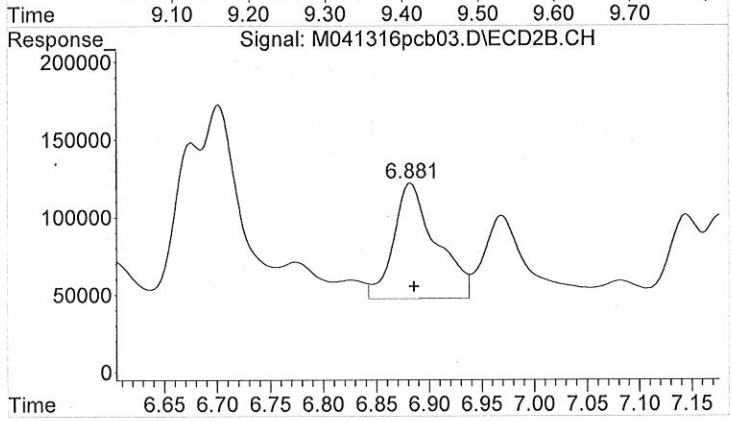
#4 1016-3

R.T.: 6.701 min
Delta R.T.: -0.003 min
Response: 125946
Conc: 115.53 pg/uL



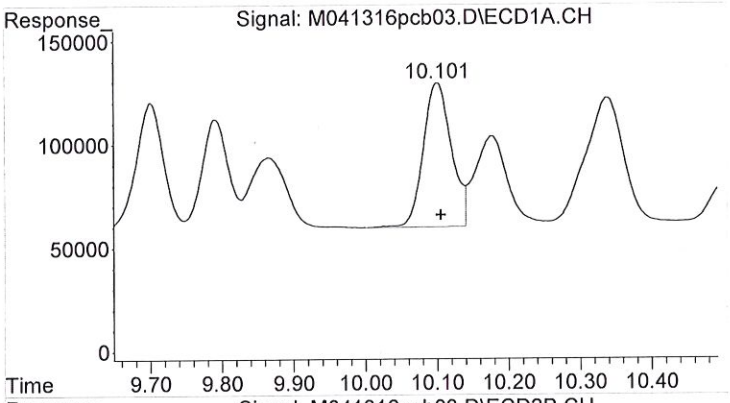
#5 1016-4

R.T.: 9.428 min
Delta R.T.: -0.006 min
Response: 61690
Conc: 90.10 pg/uL



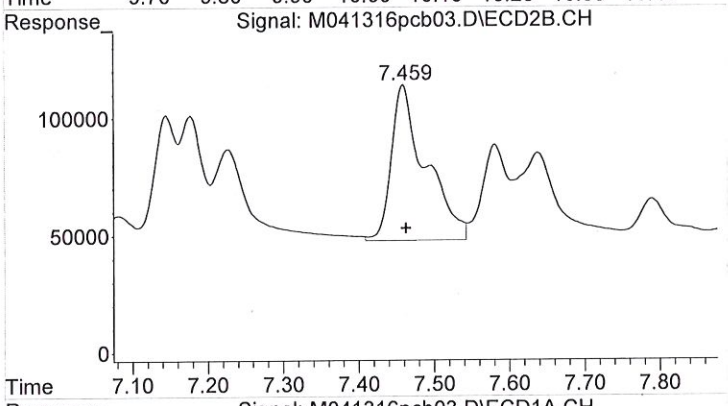
#5 1016-4

R.T.: 6.883 min
Delta R.T.: -0.003 min
Response: 74194
Conc: 114.99 pg/uL



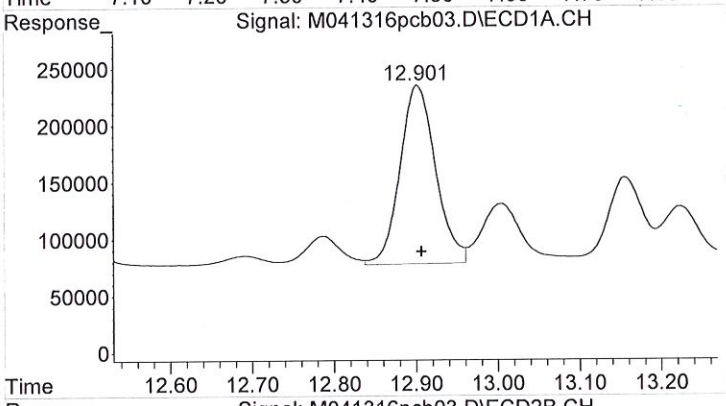
#6 1016-5

R.T.: 10.101 min
Delta R.T.: -0.005 min
Response: 69722
Conc: 90.08 pg/uL



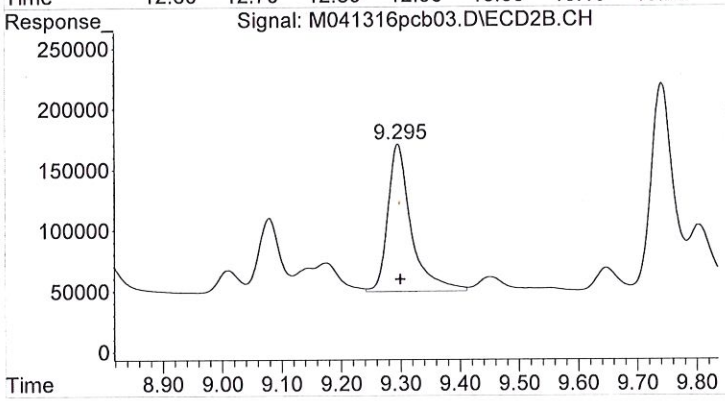
#6 1016-5

R.T.: 7.459 min
Delta R.T.: -0.004 min
Response: 65979
Conc: 118.29 pg/uL



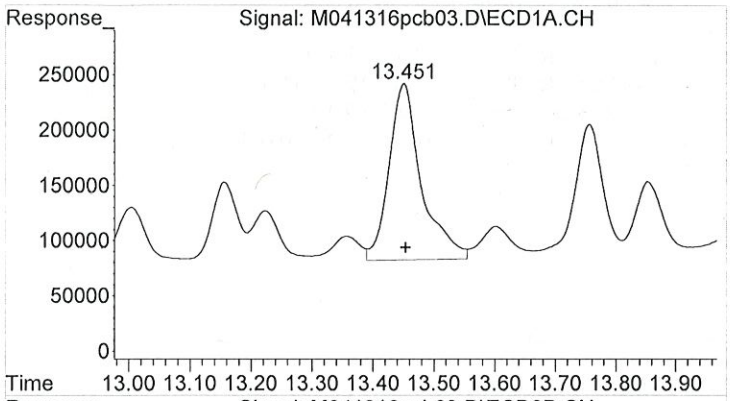
#7 1260-1

R.T.: 12.902 min
Delta R.T.: -0.005 min
Response: 156015
Conc: 86.23 pg/uL



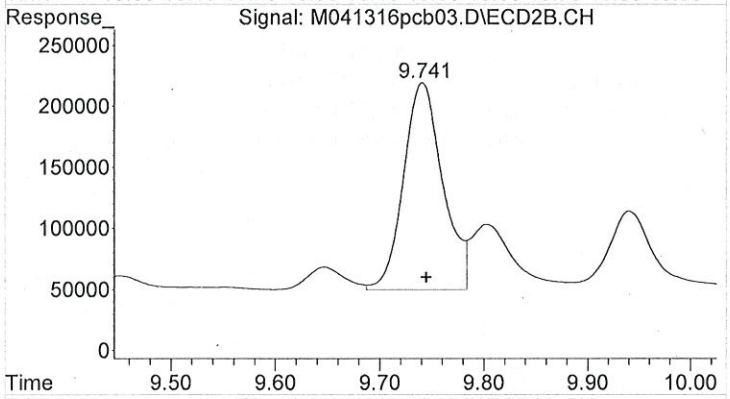
#7 1260-1

R.T.: 9.296 min
Delta R.T.: -0.004 min
Response: 120710
Conc: 128.42 pg/uL



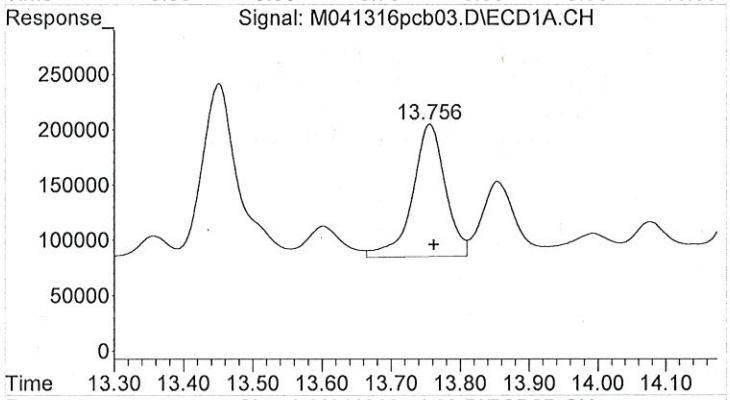
#8 1260-2

R.T.: 13.450 min
Delta R.T.: -0.004 min
Response: 159136
Conc: 88.69 pg/uL



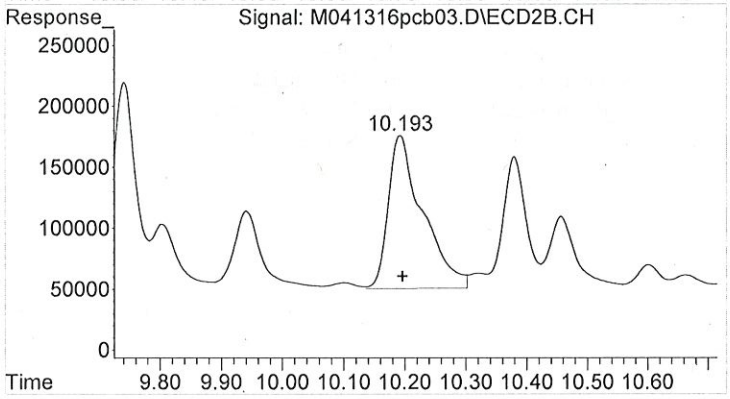
#8 1260-2

R.T.: 9.741 min
Delta R.T.: -0.004 min
Response: 169870
Conc: 128.72 pg/uL



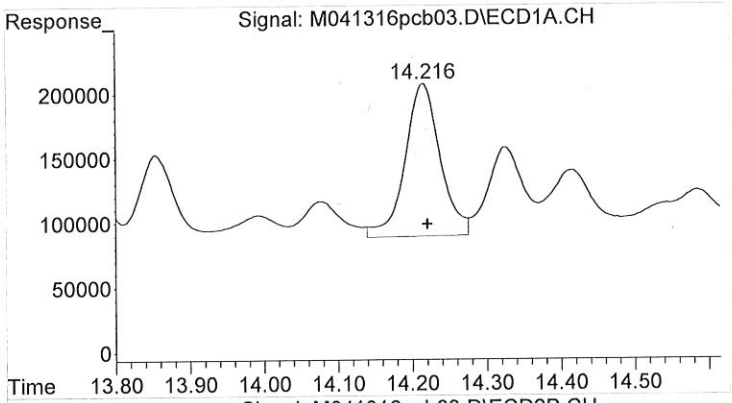
#9 1260-3

R.T.: 13.756 min
Delta R.T.: -0.006 min
Response: 119626
Conc: 88.39 pg/uL



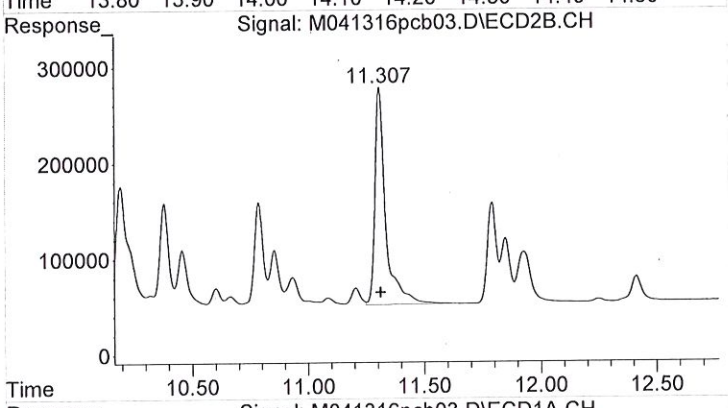
#9 1260-3

R.T.: 10.193 min
Delta R.T.: -0.004 min
Response: 125592
Conc: 120.11 pg/uL



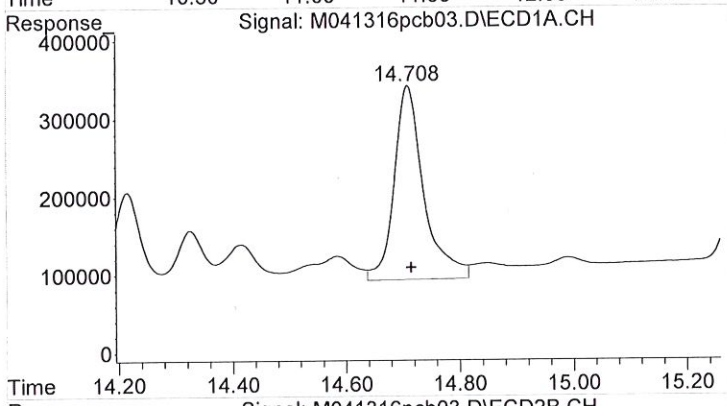
#10 1260-4

R.T.: 14.215 min
Delta R.T.: -0.006 min
Response: 117909
Conc: 90.18 pg/uL



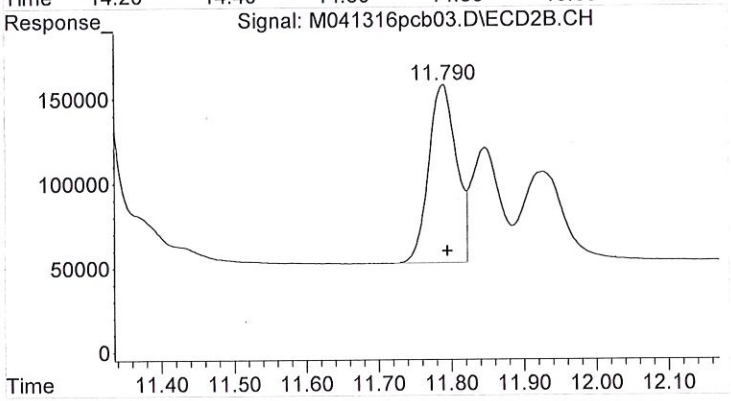
#10 1260-4

R.T.: 11.308 min
Delta R.T.: -0.005 min
Response: 224565
Conc: 121.98 pg/uL



#11 1260-5

R.T.: 14.710 min
Delta R.T.: -0.005 min
Response: 247594
Conc: 86.99 pg/uL



#11 1260-5

R.T.: 11.789 min
Delta R.T.: -0.006 min
Response: 105329
Conc: 118.44 pg/uL

PCB CCV Report

Data File....: M041316pcb12.D
Dataname.....: 87PCB041116A
Analyzed.....: 04/13/2016 15:38

Analyst.....: DWOOD
Instrument.....: Minerva
Analysis Method: 8082A

CCV Level..: 100 pg/uL
ICAL Date..: 04/04/2016

Datafile path....: J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\M041316pcb12.D
DP Method path...: J:\Organics\Minerva\Methods\M040416PCB.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.97	338968	10	9.11	-8.9	
	dcb	17.73	17.74	183295 m	10	8.09	-19	
	tmx (1) #2	5.04	5.04	294642	10	10.8	8.0	
	dcb #2	13.70	13.70	187604	10	11.3	13	
Target					Criteria range: <±20%D			
	1016 -1	8.29	8.29	83539	100	87.8	-12	
	1016-2	8.63	8.64	72247	100	86.9	-13	
	1016-3	9.29	9.29	90033	100	86.6	-13	
	1016-4	9.43	9.43	60221	100	87.8	-12	
	1016-5	10.10	10.11	67427	100	86.8	-13	
	1260-1	12.90	12.91	147773	100	81.2	-19	
	1260-2	13.45	13.45	148262	100	82.1	-18	
	1260-3	13.76	13.76	112500	100	82.7	-17	
	1260-4	14.21	14.22	107343	100	81.3	-19	
	1260-5	14.71	14.72	222115	100	77.2	-23	> ±20%
	1016 -1 #2	5.58	5.58	51278	100	104	4.1	
	1016-2 #2	6.06	6.07	85268	100	107	7.0	
	1016-3 #2	6.70	6.70	116329	100	106	6.4	
	1016-4 #2	6.88	6.89	68752	100	106	6.1	
	1016-5 #2	7.46	7.46	61568	100	110	10	
	1260-1 #2	9.30	9.30	103686	100	109	9.4	
	1260-2 #2	9.74	9.74	150345	100	113	13	
	1260-3 #2	10.19	10.20	114892	100	110	9.6	
	1260-4 #2	11.31	11.31	201289	100	109	9.1	
	1260-5 #2	11.79	11.80	92183	100	103	3.1	

Average %Difference:	%Diff
1016 Column 1 (n=5)	-13
1016 Column 2 (n=5)	6.7
1260 Column 1 (n=5)	-19
1260 Column 2 (n=5)	8.9

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 15:38 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:08:43 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	6.963	5.037	338968	294642	9.114	10.800	
12)	S2 dcb	17.733	13.697	183295	187604	8.085m	11.315	#
	Target Compounds							
2)	L1 1016 -1	8.288	5.579	83539	51278	87.763	104.125	
3)	L1 1016-2	8.633	6.062	72247	85268	86.870	107.046	
4)	L1 1016-3	9.285	6.700	90033	116329	86.595	106.415	
5)	L1 1016-4	9.428	6.883	60221	68752	87.820	106.094	
6)	L1 1016-5	10.100	7.459	67427	61568	86.821	109.975	#
	Sum 1016 -1			373467	383195	435.869	533.655	
	Average 1016 -1					87.174	106.731	
7)	L2 1260-1	12.902	9.296	147773	103686	81.198	109.370	#
8)	L2 1260-2	13.450	9.740	148262	150345	82.105	113.387	#
9)	L2 1260-3	13.756	10.193	112500	114892	82.693	109.617	#
10)	L2 1260-4	14.215	11.309	107343	201289	81.335	109.102	#
11)	L2 1260-5	14.710	11.789	222115	92183	77.154	103.058	#
	Sum 1260-1			737993	662395	404.486	544.533	
	Average 1260-1					80.897	108.907	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

lw
4/14/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 15:38 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:04:51 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	6.963	5.037	338968	294642	9.114	10.800
12) S2 dcb	17.733	13.697	187526	187604	8.290	11.315 #
Target Compounds						
2) L1 1016 -1	8.288	5.579	83539	51278	87.763	104.125
3) L1 1016-2	8.633	6.062	72247	85268	86.870	107.046
4) L1 1016-3	9.285	6.700	90033	116329	86.595	106.415
5) L1 1016-4	9.428	6.883	60221	68752	87.820	106.094
6) L1 1016-5	10.100	7.459	67427	61568	86.821	109.975 #
Sum 1016 -1			373467	383195	435.869	533.655
Average 1016 -1					87.174	106.731
7) L2 1260-1	12.902	9.296	147773	103686	81.198	109.370 #
8) L2 1260-2	13.450	9.740	148262	150345	82.105	113.387 #
9) L2 1260-3	13.756	10.193	112500	114892	82.693	109.617 #
10) L2 1260-4	14.215	11.309	107343	201289	81.335	109.102 #
11) L2 1260-5	14.710	11.789	222115	92183	77.154	103.058 #
Sum 1260-1			737993	662395	404.486	544.533
Average 1260-1					80.897	108.907

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

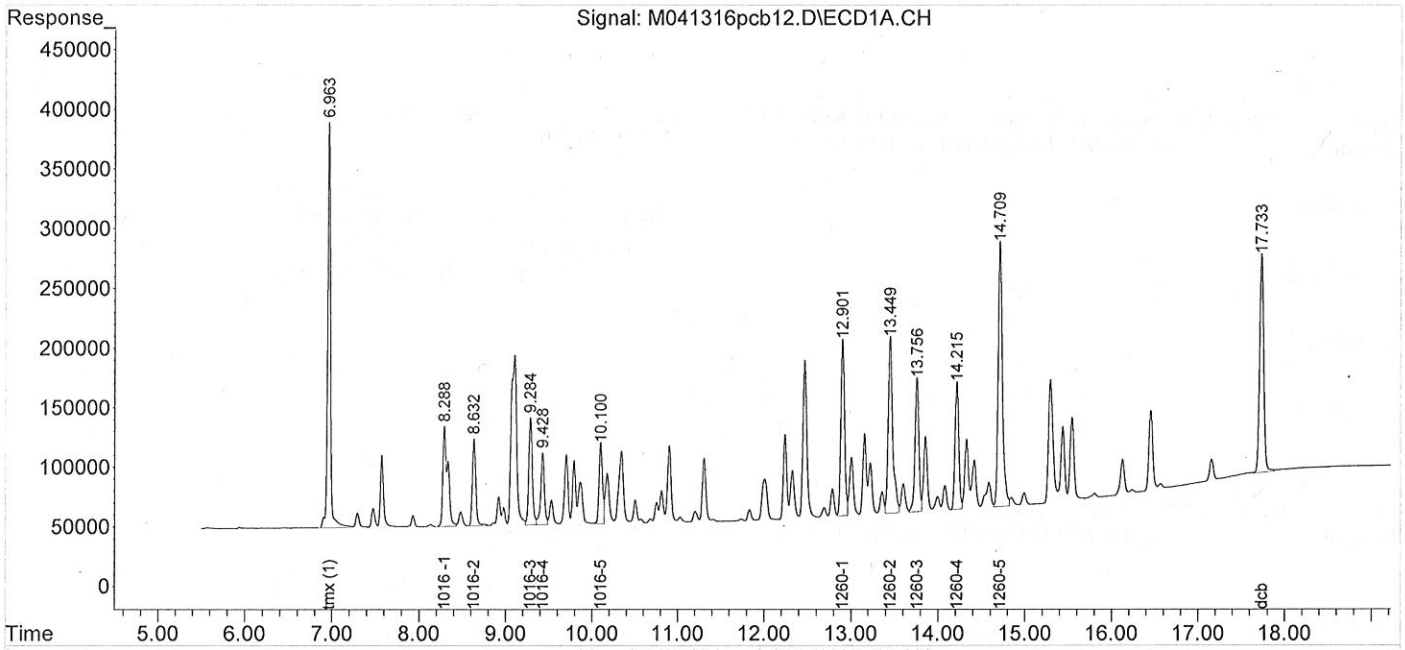
4/14/16

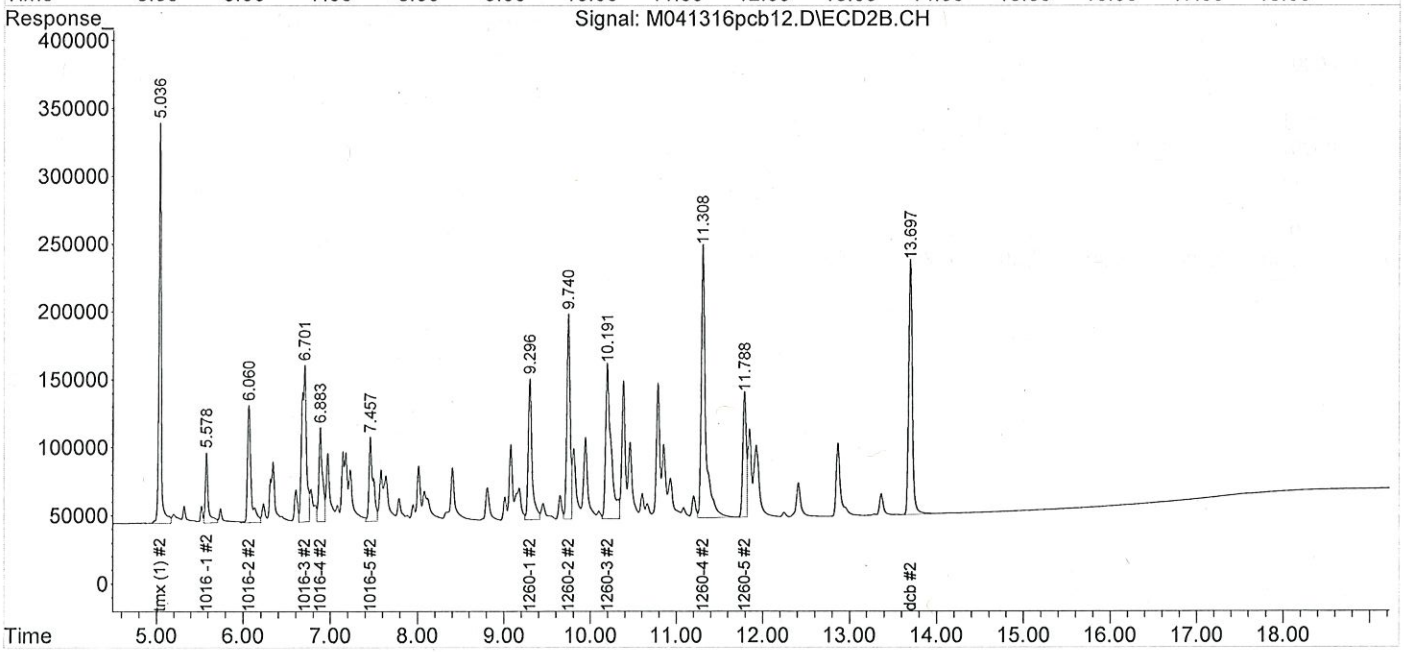
Quantitation Report (QT Reviewed)

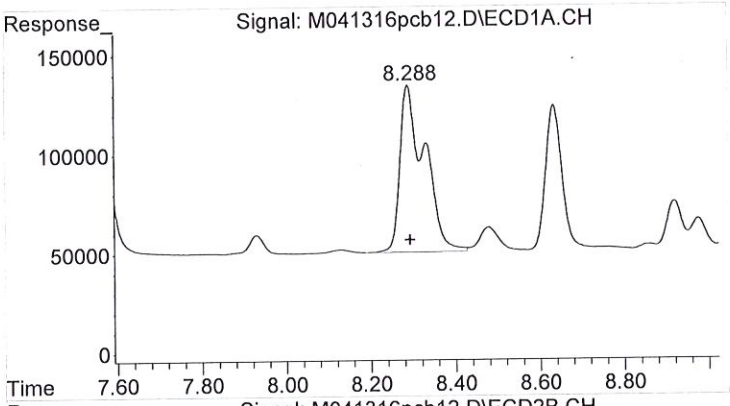
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M041316PCBDW\
Data File : M041316pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Apr 2016 15:38 pm
Operator : DWOOD
Sample : 87PCB032916C
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 78 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 14 14:08:43 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

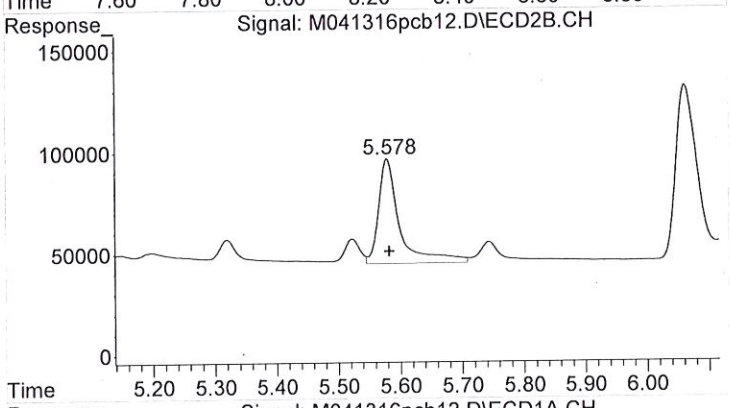






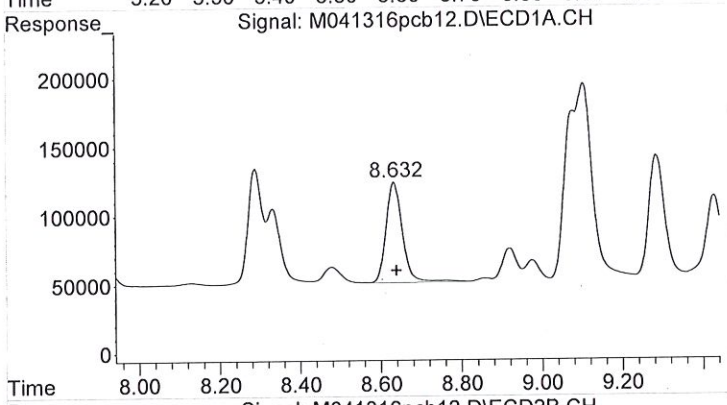
#2 1016 -1

R.T.: 8.288 min
Delta R.T.: -0.005 min
Response: 83539
Conc: 87.76 pg/uL



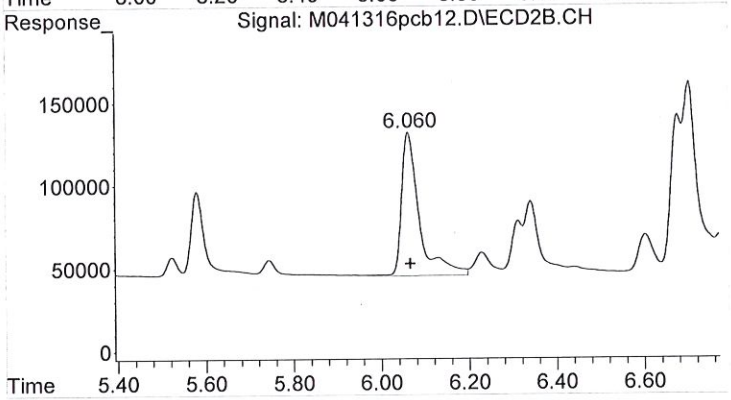
#2 1016 -1

R.T.: 5.579 min
Delta R.T.: -0.004 min
Response: 51278
Conc: 104.13 pg/uL



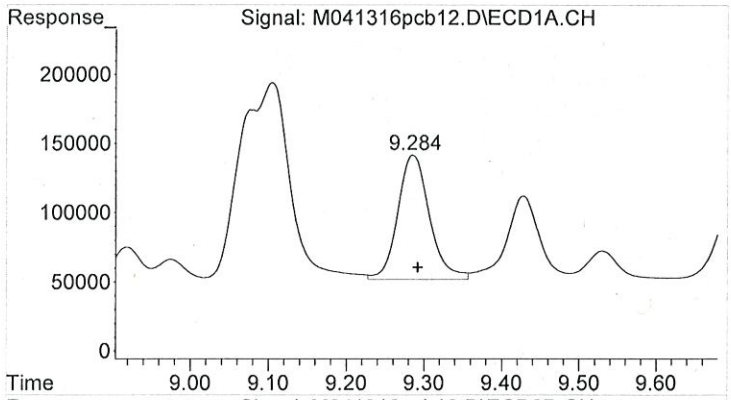
#3 1016-2

R.T.: 8.633 min
Delta R.T.: -0.006 min
Response: 72247
Conc: 86.87 pg/uL



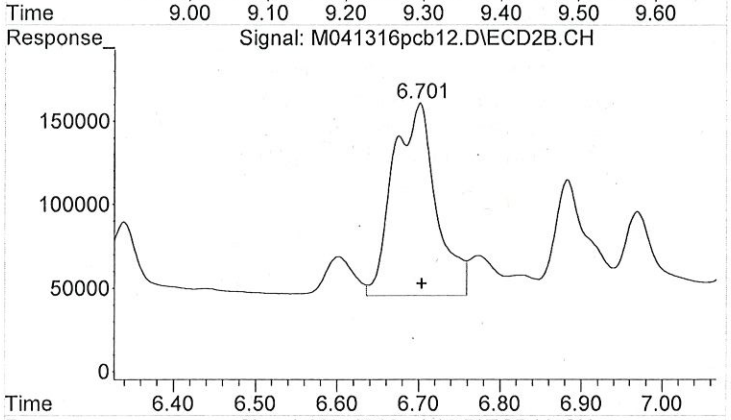
#3 1016-2

R.T.: 6.062 min
Delta R.T.: -0.004 min
Response: 85268
Conc: 107.05 pg/uL



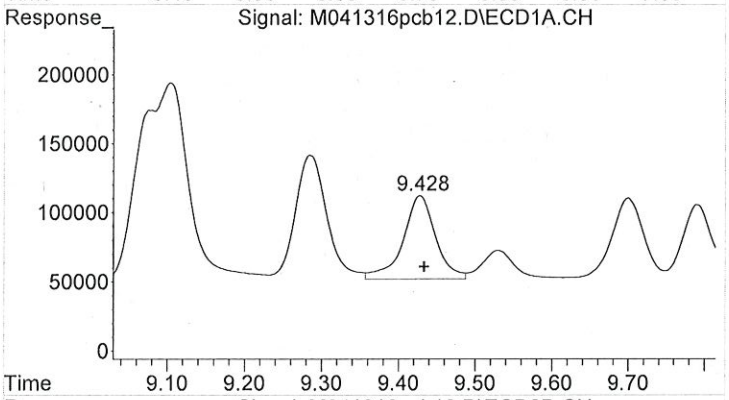
#4 1016-3

R.T.: 9.285 min
Delta R.T.: -0.007 min
Response: 90033
Conc: 86.59 pg/uL



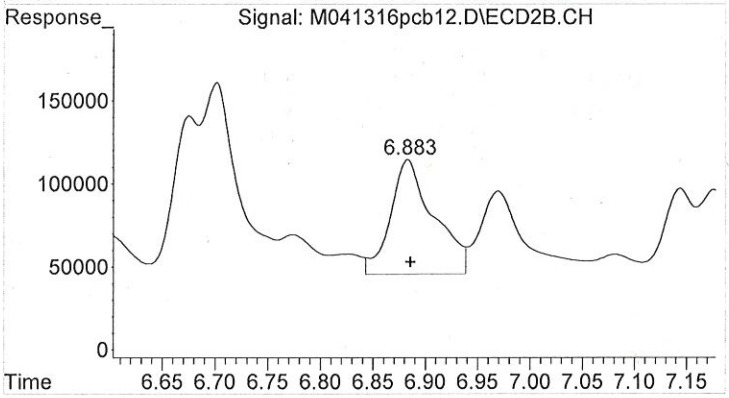
#4 1016-3

R.T.: 6.700 min
Delta R.T.: -0.004 min
Response: 116329
Conc: 106.41 pg/uL



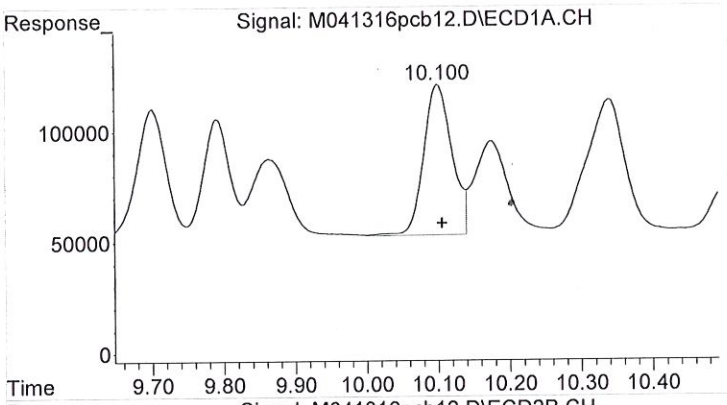
#5 1016-4

R.T.: 9.428 min
Delta R.T.: -0.006 min
Response: 60221
Conc: 87.82 pg/uL



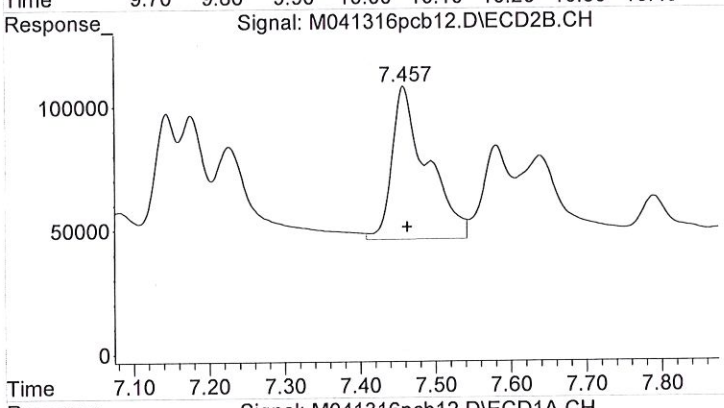
#5 1016-4

R.T.: 6.883 min
Delta R.T.: -0.003 min
Response: 68752
Conc: 106.09 pg/uL



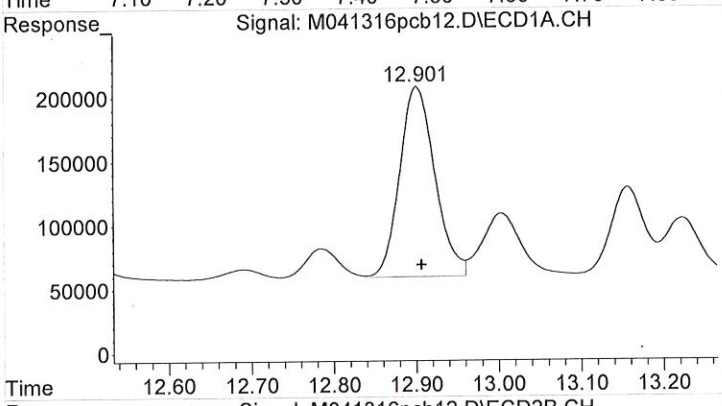
#6 1016-5

R.T.: 10.100 min
Delta R.T.: -0.006 min
Response: 67427
Conc: 86.82 pg/uL



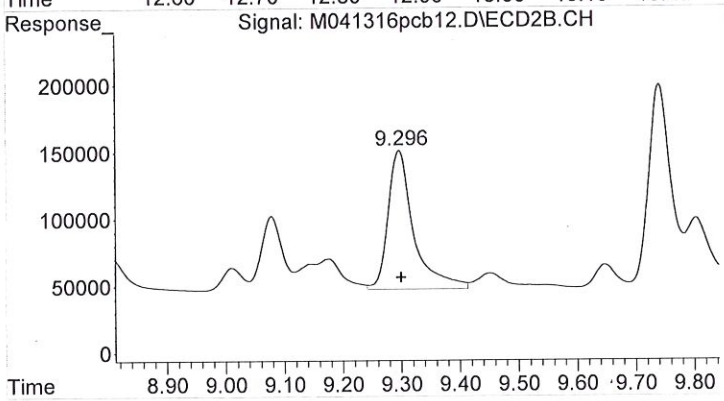
#6 1016-5

R.T.: 7.459 min
Delta R.T.: -0.004 min
Response: 61568
Conc: 109.98 pg/uL



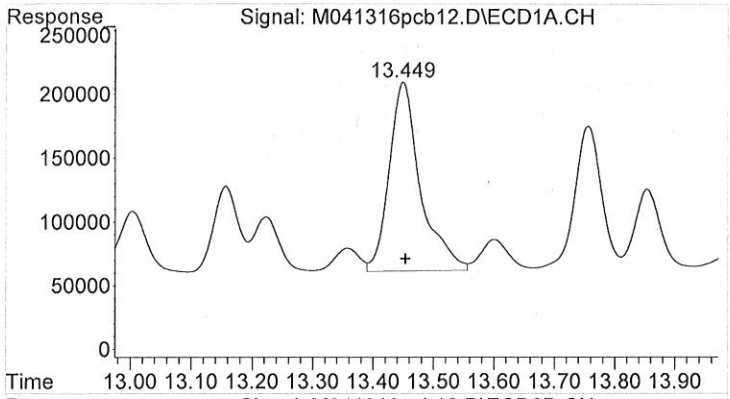
#7 1260-1

R.T.: 12.902 min
Delta R.T.: -0.005 min
Response: 147773
Conc: 81.20 pg/uL



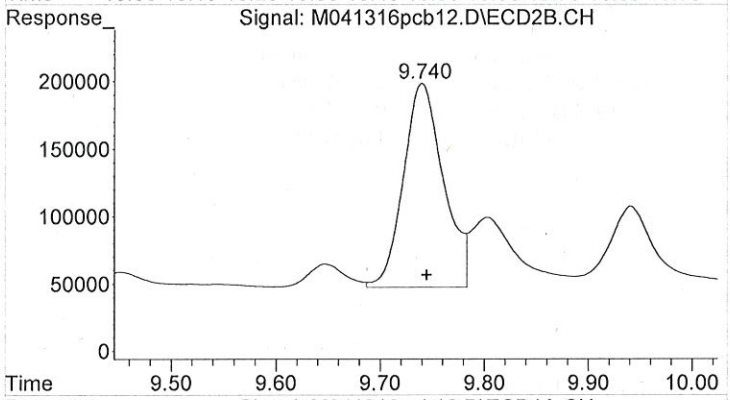
#7 1260-1

R.T.: 9.296 min
Delta R.T.: -0.004 min
Response: 103686
Conc: 109.37 pg/uL



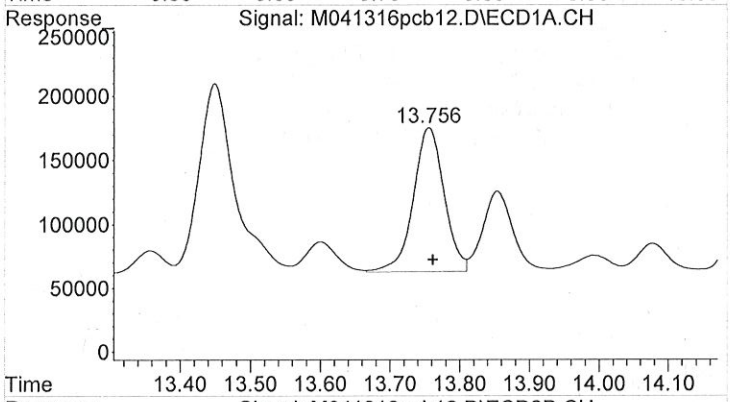
#8 1260-2

R.T.: 13.450 min
Delta R.T.: -0.005 min
Response: 148262
Conc: 82.11 pg/uL



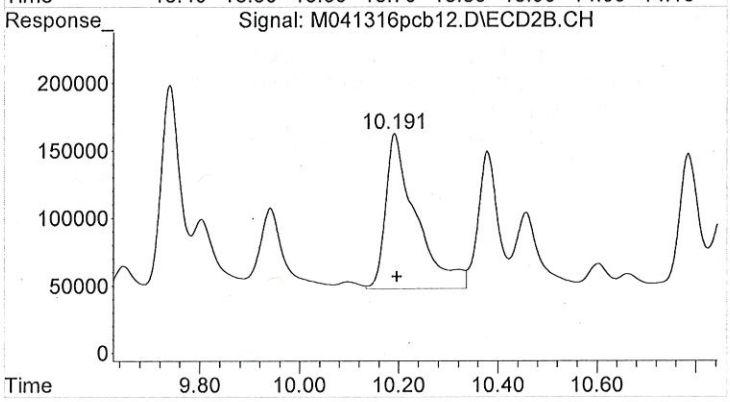
#8 1260-2

R.T.: 9.740 min
Delta R.T.: -0.005 min
Response: 150345
Conc: 113.39 pg/uL



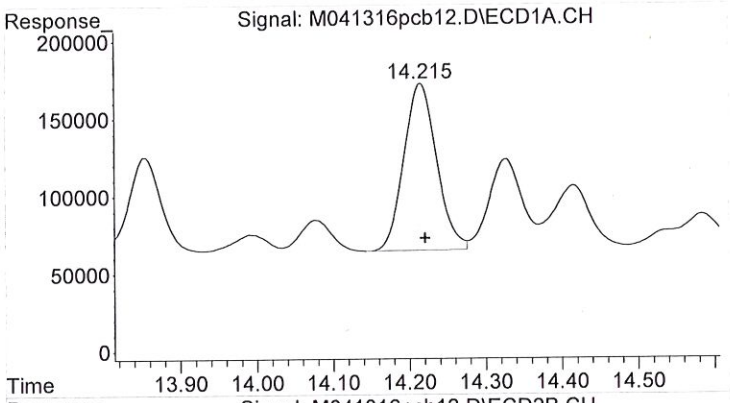
#9 1260-3

R.T.: 13.756 min
Delta R.T.: -0.006 min
Response: 112500
Conc: 82.69 pg/uL



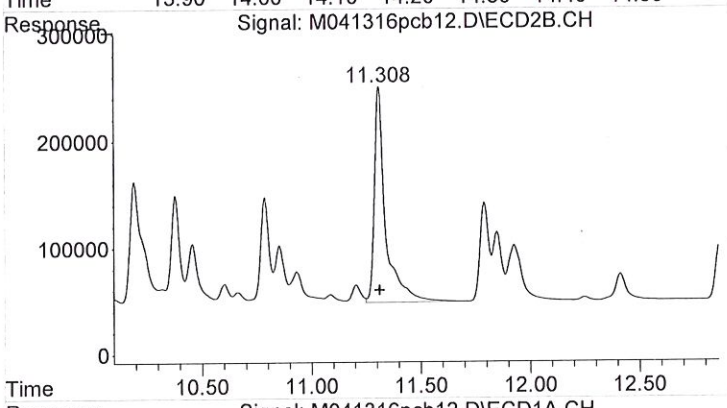
#9 1260-3

R.T.: 10.193 min
Delta R.T.: -0.004 min
Response: 114892
Conc: 109.62 pg/uL



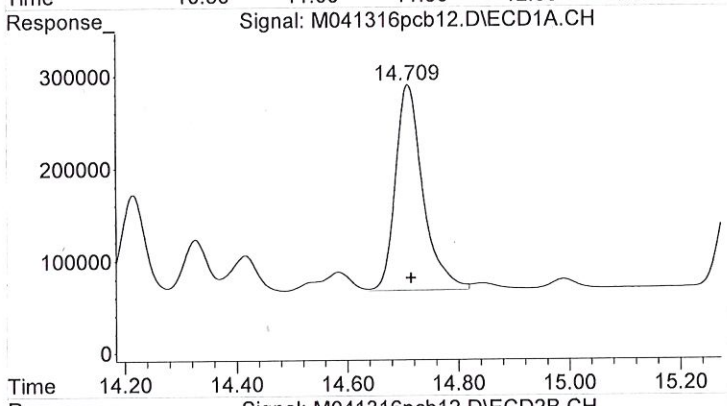
#10 1260-4

R.T.: 14.215 min
Delta R.T.: -0.006 min
Response: 107343
Conc: 81.34 pg/uL



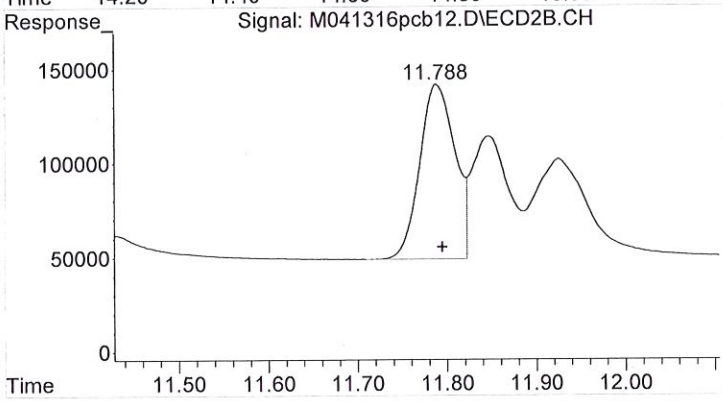
#10 1260-4

R.T.: 11.309 min
Delta R.T.: -0.004 min
Response: 201289
Conc: 109.10 pg/uL



#11 1260-5

R.T.: 14.710 min
Delta R.T.: -0.005 min
Response: 222115
Conc: 77.15 pg/uL



#11 1260-5

R.T.: 11.789 min
Delta R.T.: -0.006 min
Response: 92183
Conc: 103.06 pg/uL

- Sample packet (by sample number)
    a. Custom Report, if available
    b. Quan Report (Quant – Generate Report – Detailed, only hits)
    c. Detailed Graphics (Detailed Report + Thumbnail)

Sample.....: 16124000
Data File....: M040416pcb29.D
Project.....: OCE-009A
Matrix.....: 42 - Wipe
Analyzed.....: 04/04/2016 21:19
Type.....: 0
Additional Info..: Sky Valley PCB Wipe 100mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M040416PCB.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\M040416pcb29.D

Date Prepped...: 3/30/2016
ICAL Date.....: 04/04/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....:
Acq. Method: M040116PCBEXTBAKE.
ASEQ Number: 29

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 100 mL
Dilution.....: 1x D0

m = manual integration
d = deleted
U = Undetected
J = Below calibrated range
E = Exceeds calibrated range

Pk	Low Cal (pg)[1]	High Cal (pg)[1]	Compound Name	RT	Exp RT	Response		Spike (pg)[1]	Amount (pg)[1]	Result Units	Q
1	2.5	100	tmx (1)	6.96	6.97	151968		5	3.6	72 %Rec	
12	2.5	100	dcb	17.73	17.74	111266		5	4.6	92 %Rec	
14	2.5	100	tmx (1) #2	5.04	5.04	93822		5	3.3	66 %Rec	
25	2.5	100	dcb #2	13.70	13.70	62107		5	3.4	67 %Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	2.5 ug (RL)	U
3	25	1000	1016-2	-	-	-	d	-	-	2.5 ug (RL)	U
4	25	1000	1016-3	-	-	-	d	-	-	2.5 ug (RL)	U
5	25	1000	1016-4	-	-	-	d	-	-	2.5 ug (RL)	U
6	25	1000	1016-5	-	-	-	d	-	-	2.5 ug (RL)	U
7	25	1000	1260-1	-	-	-	d	-	-	2.5 ug (RL)	U
8	25	1000	1260-2	-	-	-	d	-	-	2.5 ug (RL)	U
9	25	1000	1260-3	-	-	-	d	-	-	2.5 ug (RL)	U
10	25	1000	1260-4	-	-	-	d	-	-	2.5 ug (RL)	U
11	25	1000	1260-5	-	-	-	d	-	-	2.5 ug (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	2.5 ug (RL)	U
16	25	1000	1016-2 #2	-	-	-	d	-	-	2.5 ug (RL)	U
17	25	1000	1016-3 #2	-	-	-	d	-	-	2.5 ug (RL)	U
18	25	1000	1016-4 #2	-	-	-	d	-	-	2.5 ug (RL)	U
19	25	1000	1016-5 #2	-	-	-	d	-	-	2.5 ug (RL)	U
20	25	1000	1260-1 #2	-	-	-	d	-	-	2.5 ug (RL)	U
21	25	1000	1260-2 #2	-	-	-	d	-	-	2.5 ug (RL)	U
22	25	1000	1260-3 #2	-	-	-	d	-	-	2.5 ug (RL)	U
23	25	1000	1260-4 #2	-	-	-	d	-	-	2.5 ug (RL)	U
24	25	1000	1260-5 #2	-	-	-	d	-	-	2.5 ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	2.5	ug (RL)	0	NA	Results will be reported from Column 1
12674112	1016 Column 2	2.5	ug (RL)	0	NA	
11096825	1260 Column 1	2.5	ug (RL)	0	NA	
11096825	1260 Column 2	2.5	ug (RL)	0	NA	

[1]'Amount' units are pg or pg/uL on column. [2]RPD (Relative Percent Difference) is the percent difference between the result of column 1 and the result of column 2. The values are calculated using the non-rounded average result values. (|A-B|/((A+B)*0.5))*100 is the formula used for the calculation. The value should nominally be <= 40%.

Sample Concentration = (Amt)*(Final Volume[mL])*(Dilution)/Amount Extracted = ug/L, ug/kg, ug/g, or ug.

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 06 15:03:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	6.964	5.039	151968	93822	3.621	3.317
12)	S2 dcb	17.732	13.700	111266	62107	4.593	3.351 #
	Target Compounds						
2)	L1 1016 -1	0.000	0.000	0	0	N.D. d	N.D. d
3)	L1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
4)	L1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
5)	L1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
6)	L1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016 -1			0	0	N.D.	N.D.
	Average 1016 -1					0.000	0.000
7)	L2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
8)	L2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
9)	L2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
10)	L2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
11)	L2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

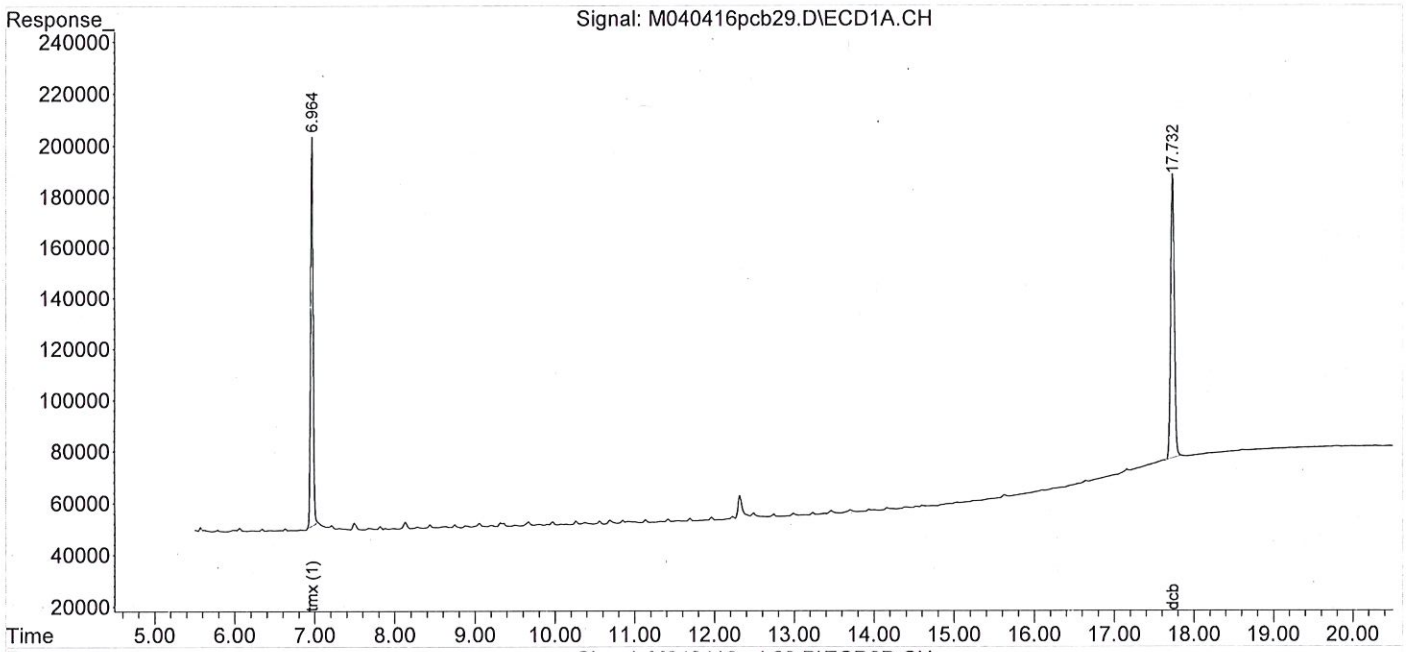
mm 4/6/16

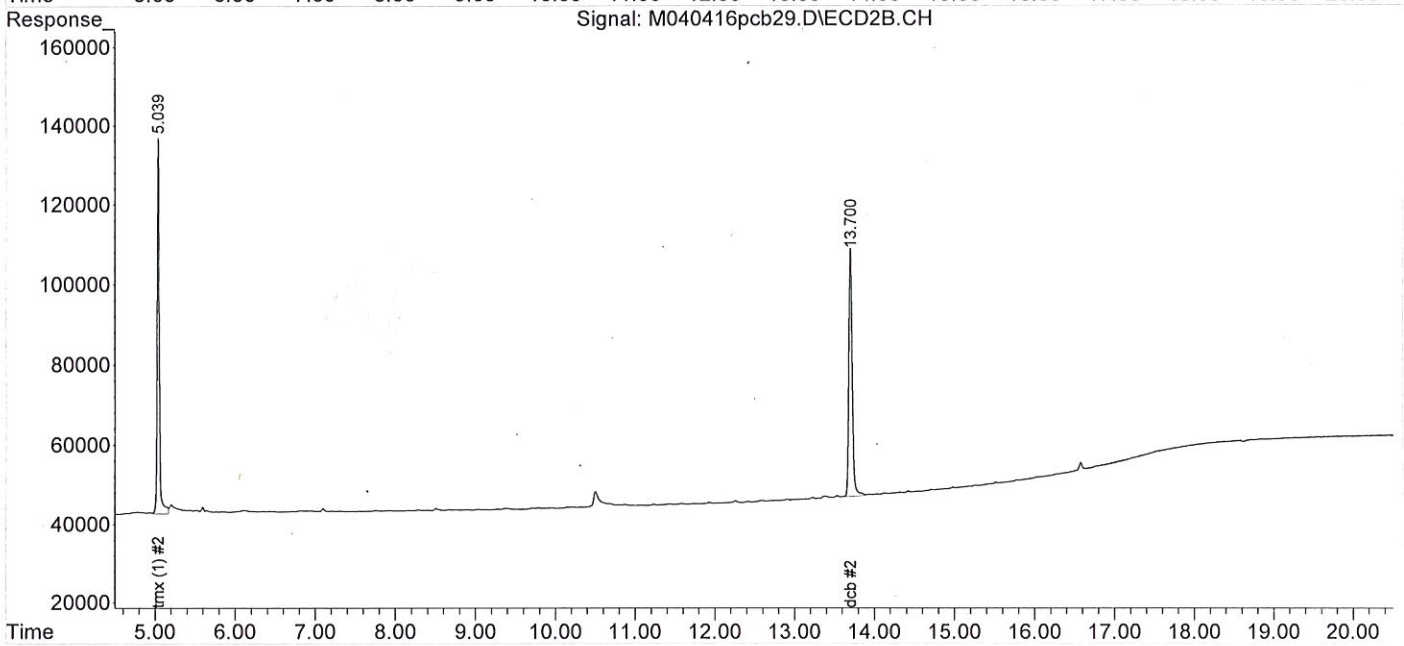
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 06 15:03:49 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:21 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
	System Monitoring Compounds						
1)	S2 tmx (1)	6.964	5.039	151968	93822	3.621	3.317
12)	S2 dcb	17.732	13.700	111266	62107	4.593	3.351 #
	Target Compounds						
2)	L1 1016 -1	0.000	5.595	0	1524	N.D.	N.D.
3)	L1 1016-2	0.000	0.000	0	0	N.D.	N.D.
4)	L1 1016-3	0.000	0.000	0	0	N.D.	N.D.
5)	L1 1016-4	0.000	0.000	0	0	N.D.	N.D.
6)	L1 1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016 -1			0	0	N.D.	N.D.
	Average 1016 -1					0.000	0.000
7)	L2 1260-1	0.000	9.277	0	185	N.D.	N.D.
8)	L2 1260-2	0.000	9.707	0	223	N.D.	N.D.
9)	L2 1260-3	0.000	10.211	0	241	N.D.	N.D.
10)	L2 1260-4	0.000	0.000	0	0	N.D.	N.D.
11)	L2 1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

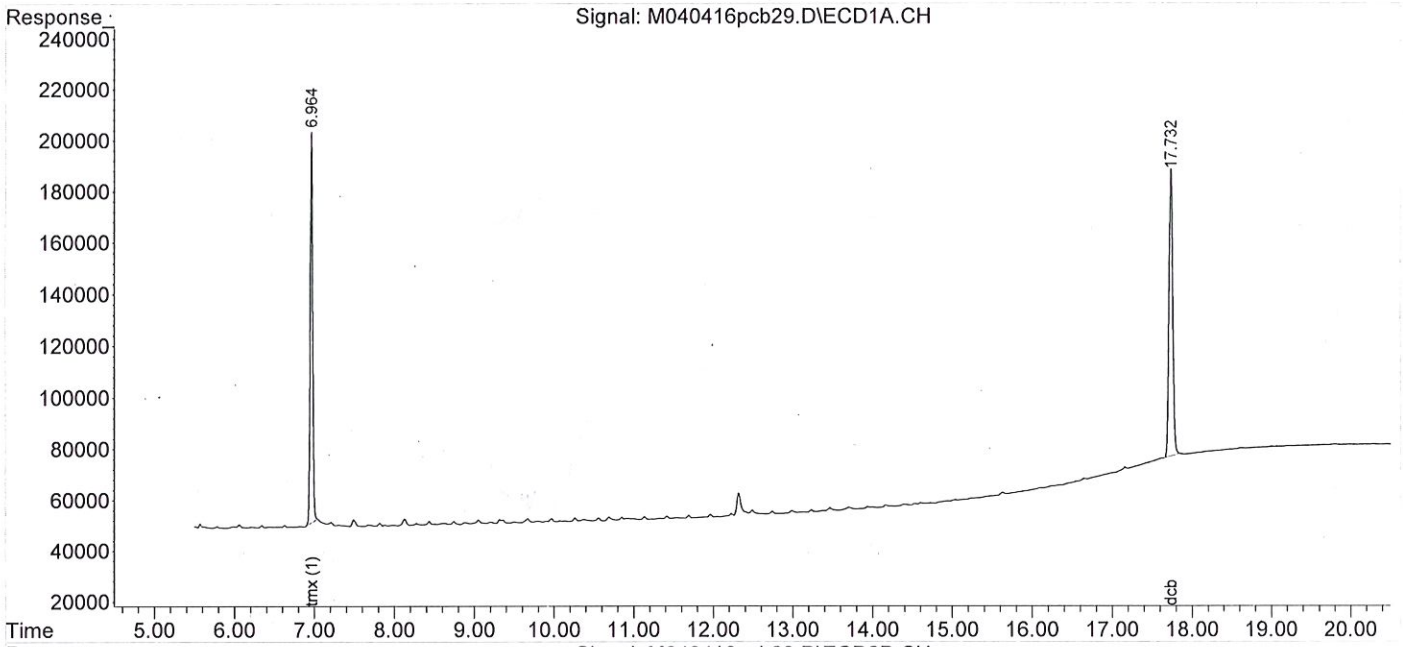
4/6/16

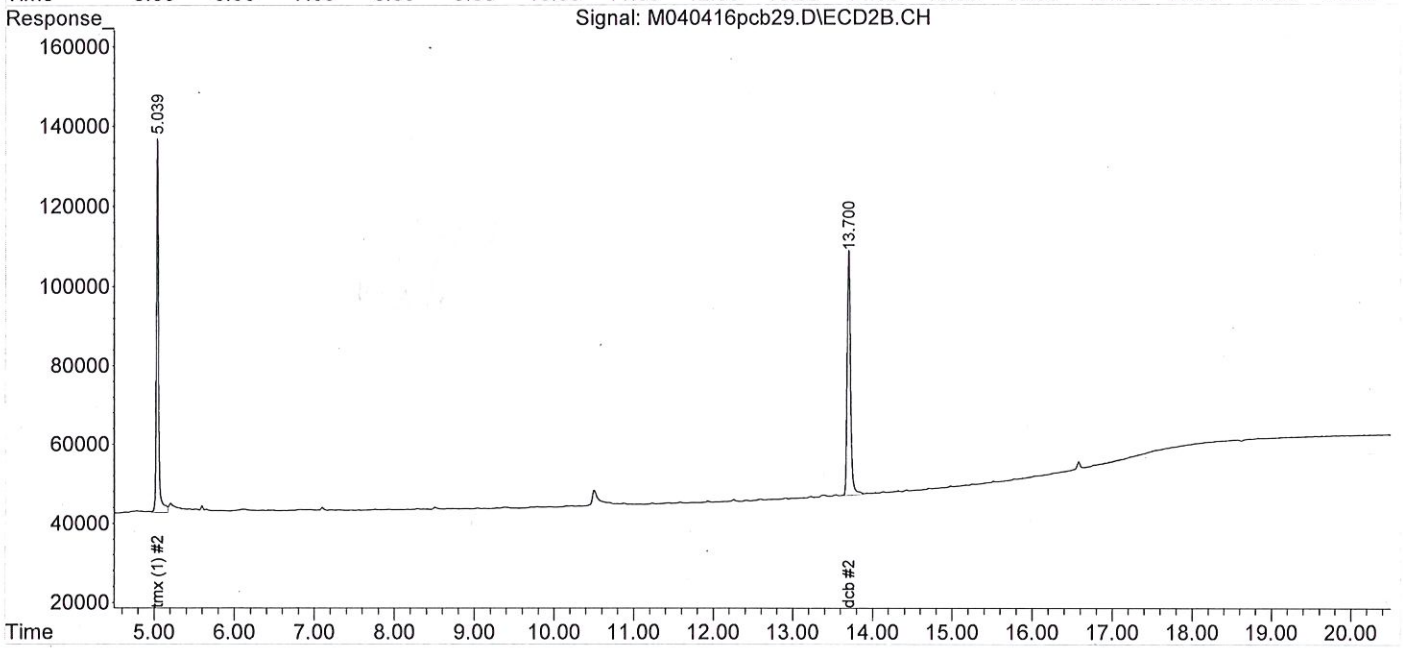
Quantitation Report (Not Reviewed)

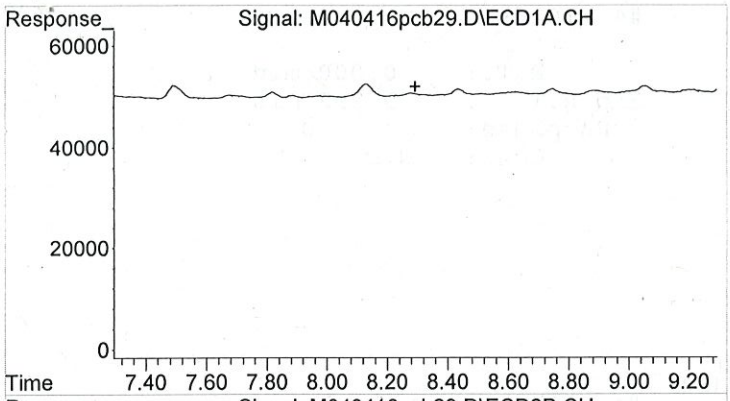
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416PCBDW\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events3.e
Quant Time: Apr 05 10:28:21 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 04 13:34:11 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

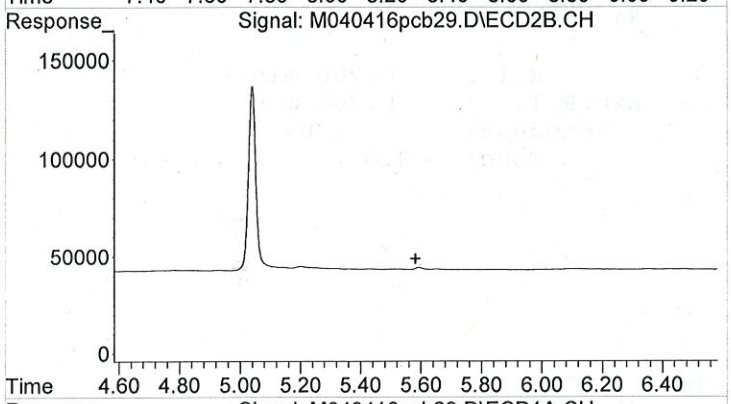






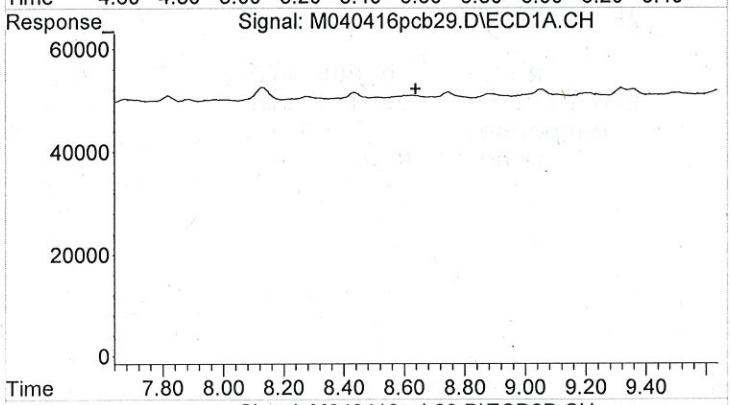
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 8.293 min
Response: 0
Conc: N.D.



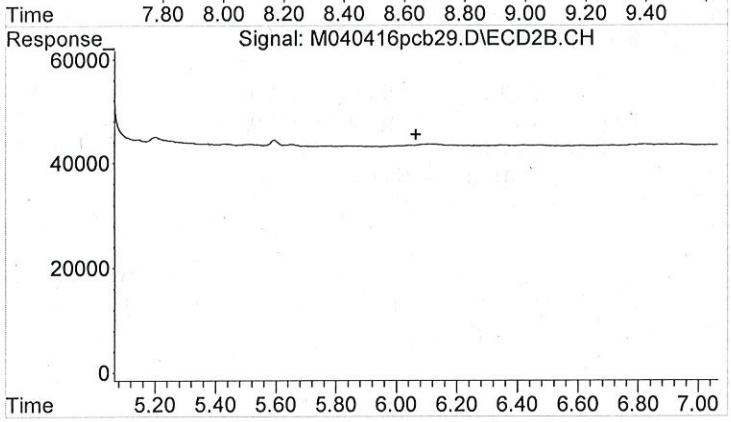
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.583 min
Response: 0
Conc: N.D.



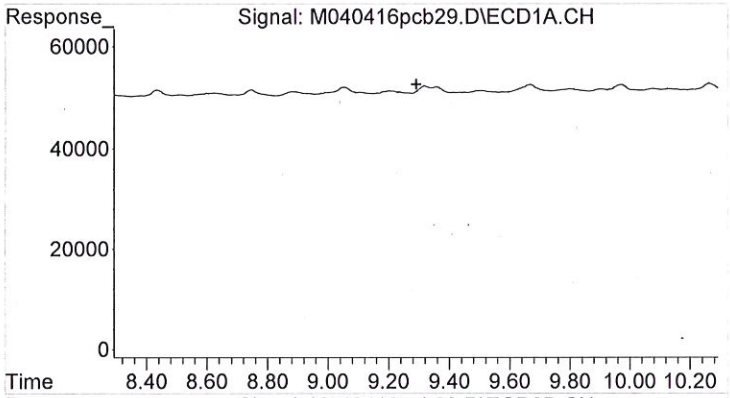
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.639 min
Response: 0
Conc: N.D.



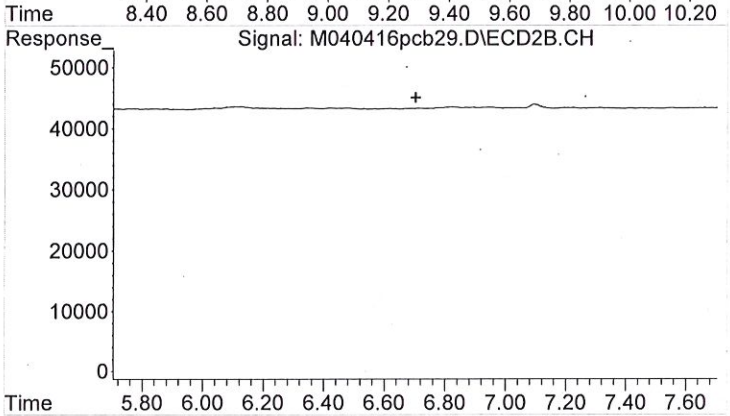
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 6.066 min
Response: 0
Conc: N.D.



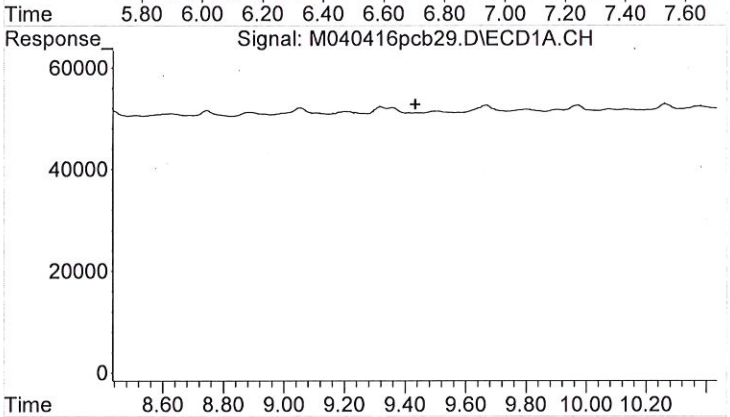
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.292 min
Response: 0
Conc: N.D.



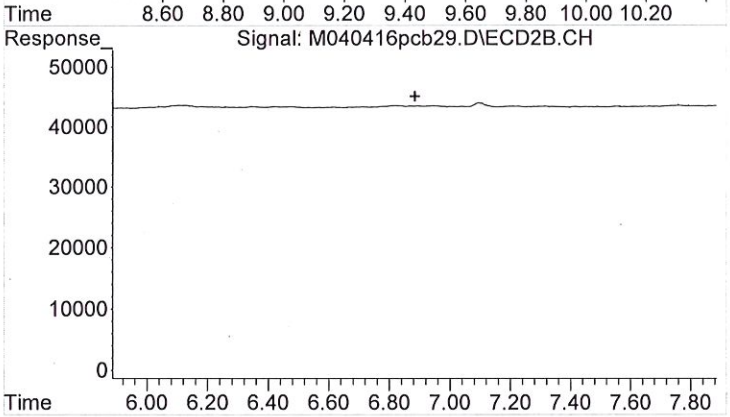
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.704 min
Response: 0
Conc: N.D.



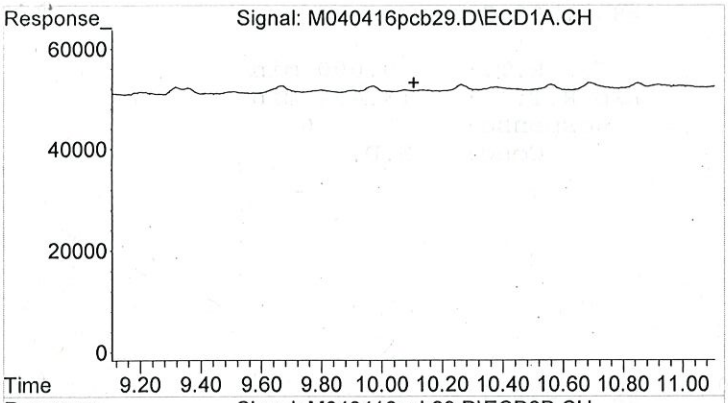
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.434 min
Response: 0
Conc: N.D.



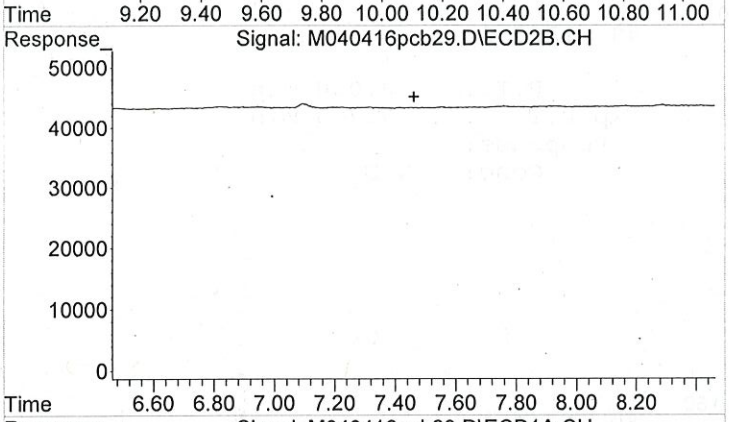
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.



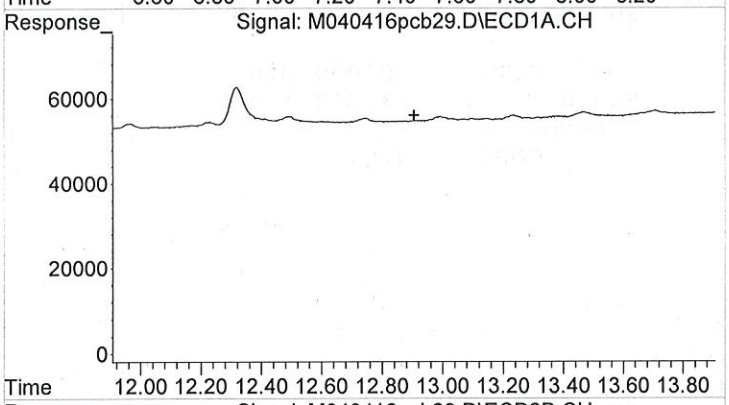
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 10.106 min
Response: 0
Conc: N.D.



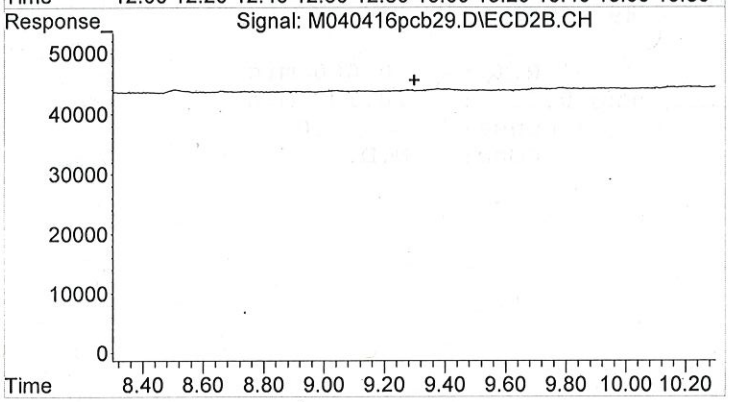
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 7.463 min
Response: 0
Conc: N.D.



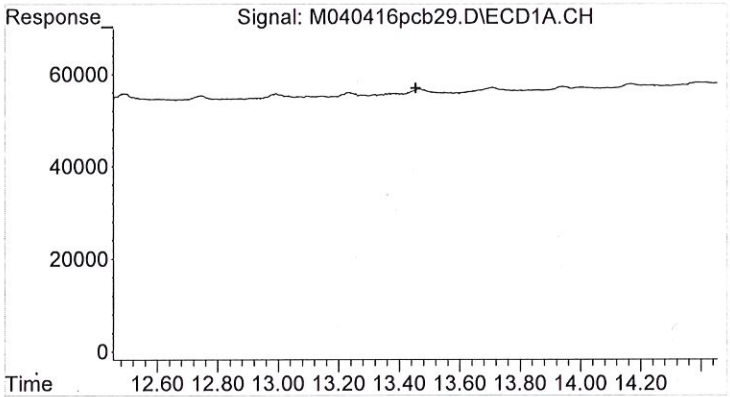
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.907 min
Response: 0
Conc: N.D.



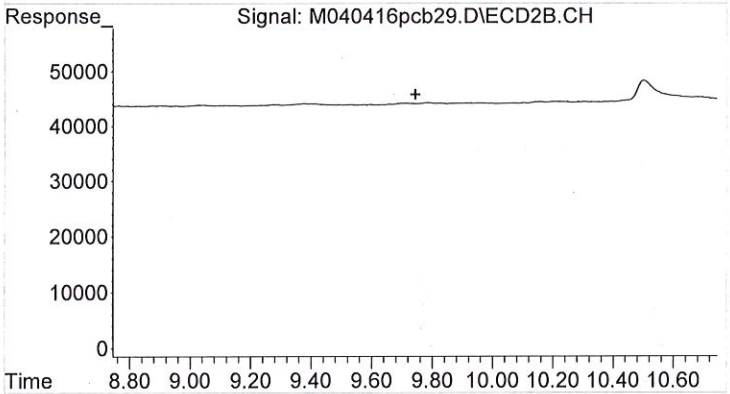
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.300 min
Response: 0
Conc: N.D.



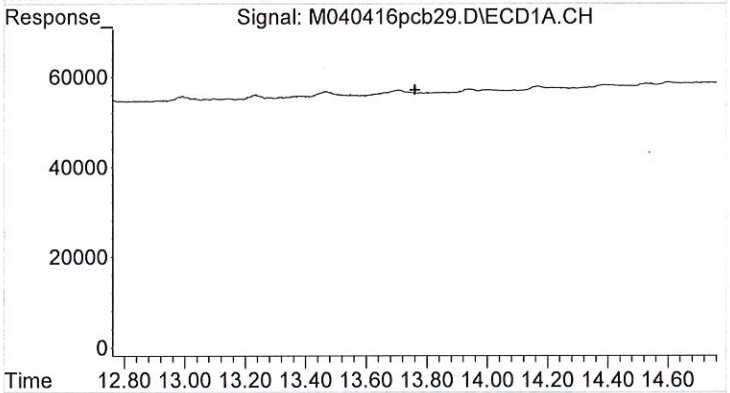
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 13.454 min
Response: 0
Conc: N.D.



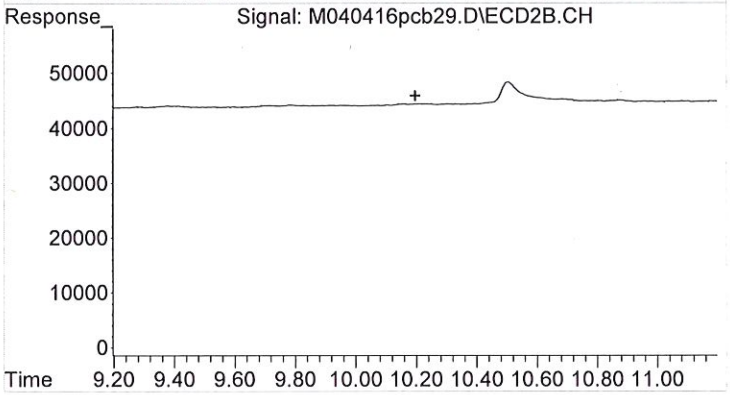
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.745 min
Response: 0
Conc: N.D.



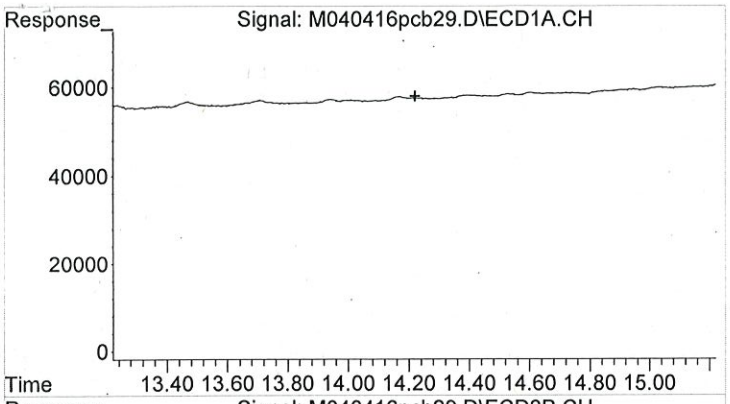
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.762 min
Response: 0
Conc: N.D.



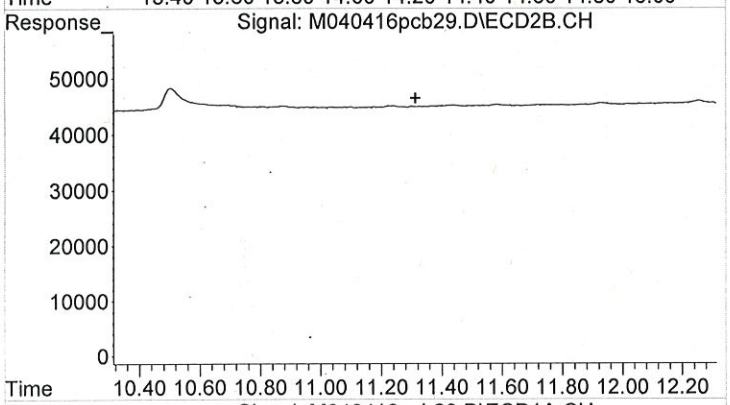
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 10.197 min
Response: 0
Conc: N.D.



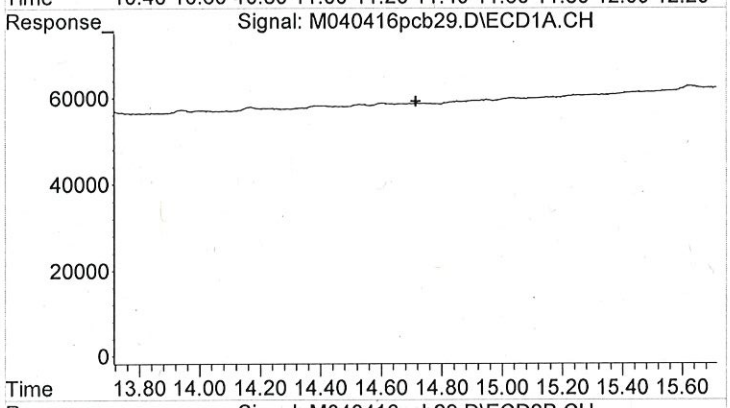
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 14.221 min
Response: 0
Conc: N.D.



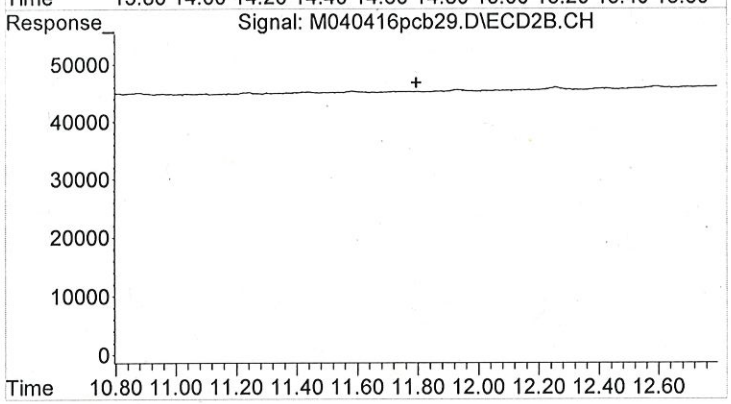
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.313 min
Response: 0
Conc: N.D.



#11 1260-5

R.T.: 0.000 min
Exp R.T. : 14.715 min
Response: 0
Conc: N.D.



#11 1260-5

R.T.: 0.000 min
Exp R.T. : 11.795 min
Response: 0
Conc: N.D.

Sample.....: 16124000
Data File....: M040416pcb29.D
Project.....: OCE-009A
Matrix.....: 42 - Wipe
Analyzed.....: 04/04/2016 21:19
Type.....: 0
Additional Info..: Sky Valley PCB Wipe 100mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M040416PCB1242.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\M040416pcb29.D

Date Prepped...: 3/30/2016
ICAL Date.....: 04/04/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....:
Acq. Method: M040116PCBEXTBAKE.
ASEQ Number: na

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 100 mL
Dilution.....: 1x D0

m = manual integration
d = deleted
U = Undetected
J = Below calibrated range
E = Exceeds calibrated range

Pk	Low Cal (pg)[1]	High Cal (pg)[1]	Compound Name	RT	Exp RT	Response		Spike (pg)[1]	Amount (pg)[1]	Result Units	Q
1	25	1000	tmx (1)	-	-	-					
7	25	1000	dcb	-	-	-	d				
9	25	1000	tmx (1) #2	-	-	-					
15	25	1000	dcb #2	-	-	-	d				
2	25	1000	1242 -1	-	-	-	d	-	-	2.5 ug (RL)	U
3	25	1000	1242-2	-	-	-		-	-	2.5 ug (RL)	U
4	25	1000	1242-3	-	-	-	d	-	-	2.5 ug (RL)	U
5	25	1000	1242-4	-	-	-	d	-	-	2.5 ug (RL)	U
6	25	1000	1242-5	-	-	-	d	-	-	2.5 ug (RL)	U
10	25	1000	1242 -1 #2	-	-	-		-	-	2.5 ug (RL)	U
11	25	1000	1242-2 #2	-	-	-		-	-	2.5 ug (RL)	U
12	25	1000	1242-3 #2	-	-	-		-	-	2.5 ug (RL)	U
13	25	1000	1242-4 #2	-	-	-		-	-	2.5 ug (RL)	U
14	25	1000	1242-5 #2	-	-	-		-	-	2.5 ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
53469219	1242 Column 1	2.5	ug (RL)	0	NA	Results will be reported from Column 1
53469219	1242 Column 2	2.5	ug (RL)	0	NA	

[1]'Amount' units are pg or pg/uL on column. [2]RPD (Relative Percent Difference) is the percent difference between the result of column 1 and the result of column 2. The values are calculated using the non-rounded average result values. (|A-B|/((A+B)*0.5))*100 is the formula used for the calculation. The value should nominally be <= 40%.

Sample Concentration = (Amt)*(Final Volume[mL])*(Dilution)/Amount Extracted = ug/L, ug/kg, ug/g, or ug.

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:19:31 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1242 -1	0.000	0.000	0	0	N.D. d	N.D.
3) L1 1242-2	0.000	0.000	0	0	N.D.	N.D.
4) L1 1242-3	0.000	0.000	0	0	N.D. d	N.D.
5) L1 1242-4	0.000	0.000	0	0	N.D. d	N.D.
6) L1 1242-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1242 -1			0	0	N.D.	N.D.
Average 1242 -1					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

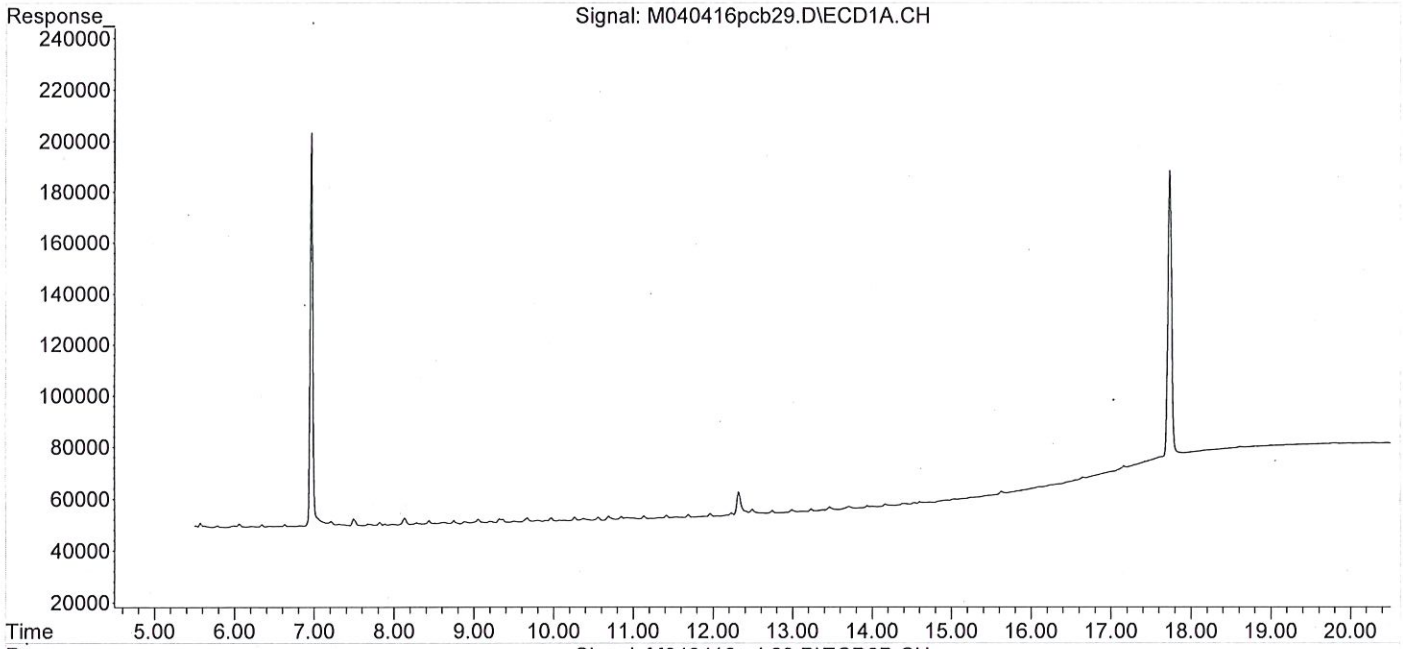
4/12/16

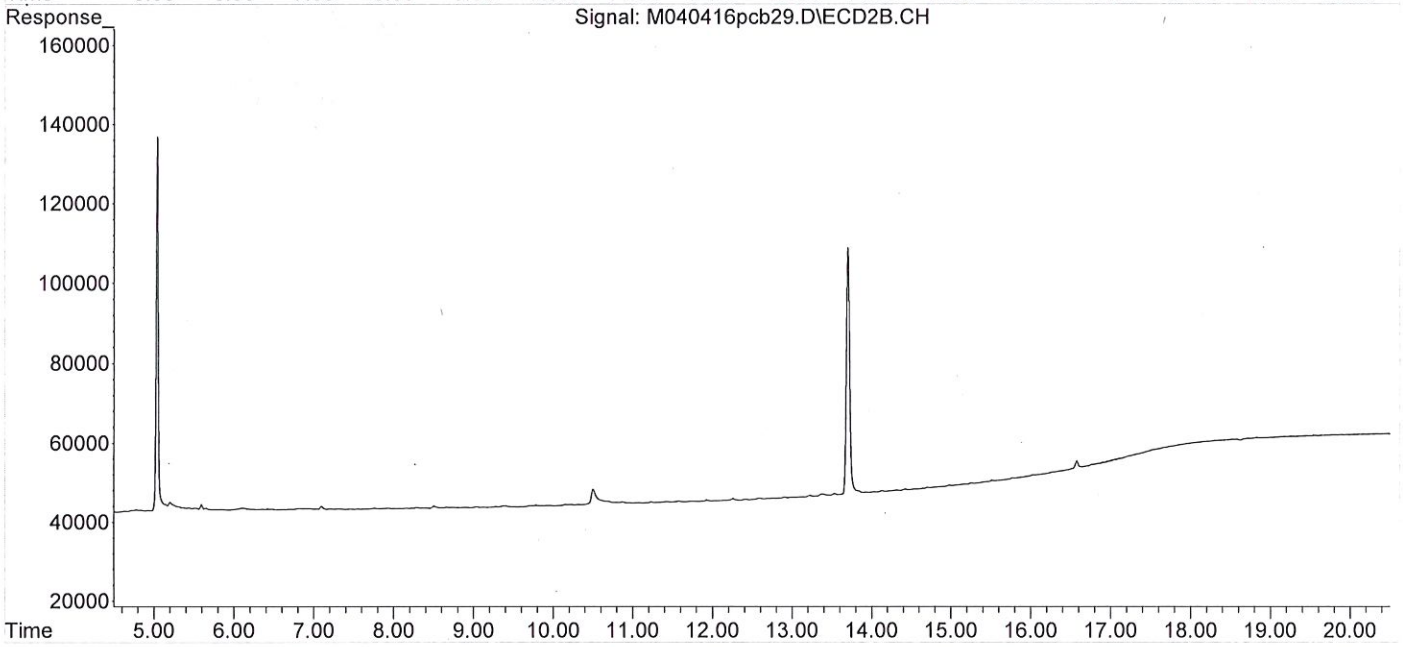
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 16:19:31 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:25 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7) S2 dcb	11.330	8.166	302	164	NoCal	NoCal	
Target Compounds							
2) L1 1242 -1	8.627	0.000	663	0	3261.026	N.D.	#
3) L1 1242-2	0.000	0.000	0	0	N.D.	N.D.	
4) L1 1242-3	9.666	0.000	1559	0	3323.737	N.D.	#
5) L1 1242-4	10.374	0.000	790	0	3480.340	N.D.	#
6) L1 1242-5	11.223	0.000	191	0	3207.450	N.D.	#
Sum 1242 -1			3203	0	13272.553	N.D.	
Average 1242 -1					3318.138	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

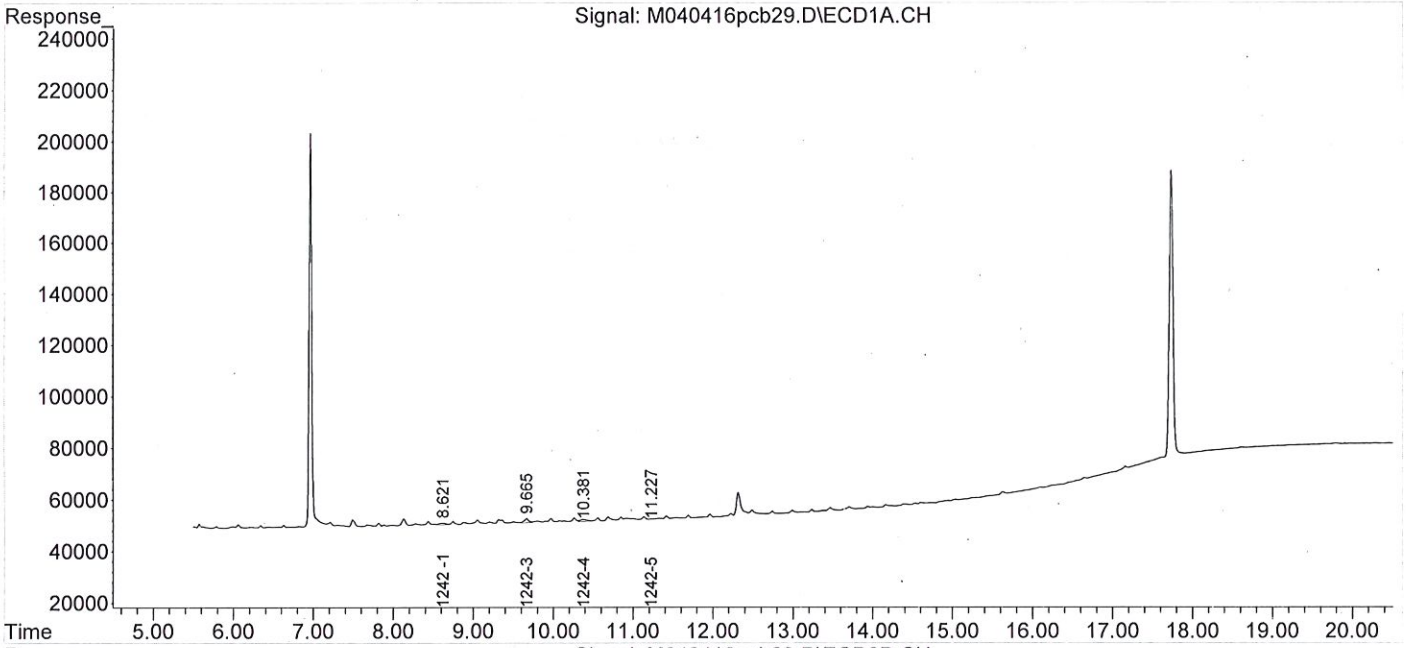
4/11/16

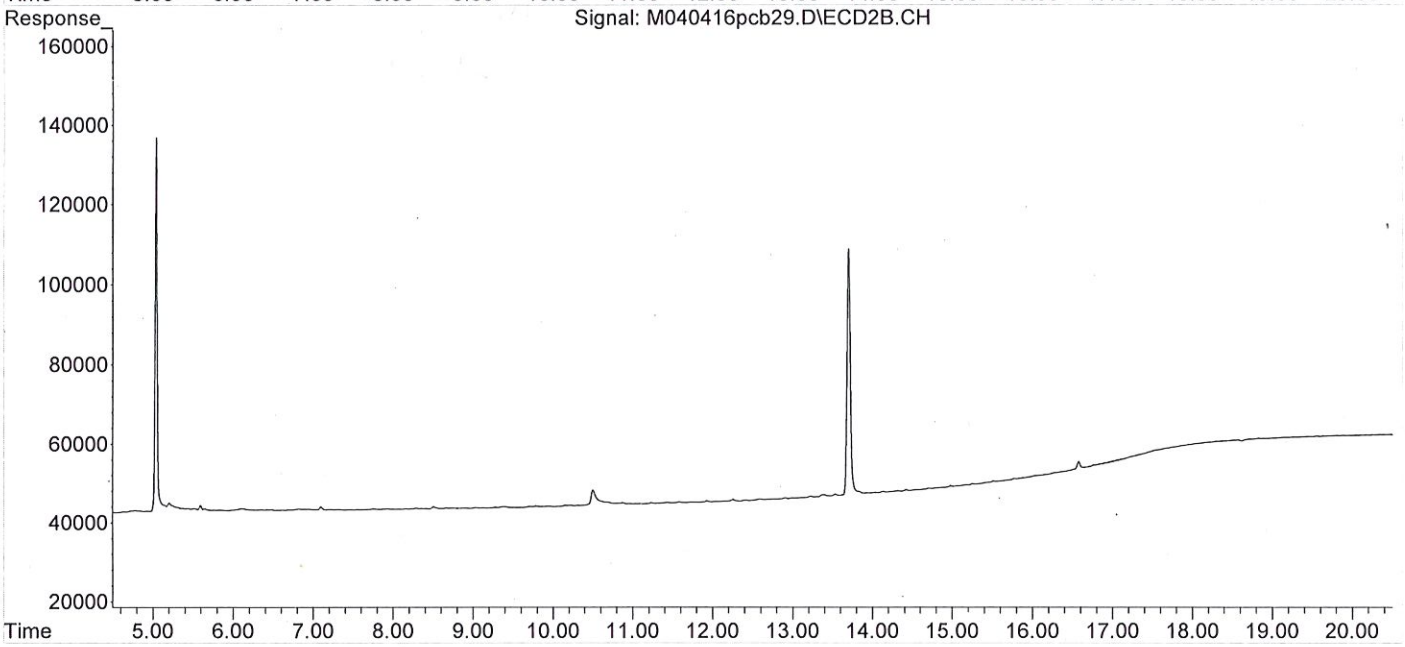
Quantitation Report (Not Reviewed)

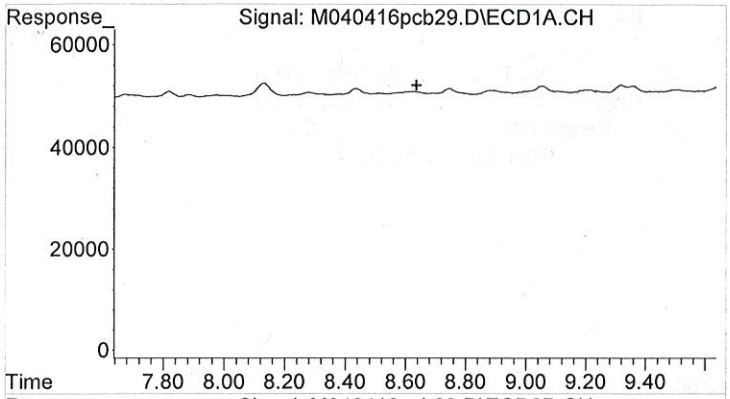
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M040416pcb1242dw\
Data File : M040416pcb29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Apr 2016 9:19 pm
Operator : DWOOD
Sample : 16124000
Misc : Sky Valley PCB Wipe 100mL fv
ALS Vial : 0 (Sig #1); 26 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events3.e
Integration File signal 2: events3.e
Quant Time: Apr 11 15:58:25 2016
Quant Method : J:\Organics\Minerva\Methods\M040416PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Mon Apr 11 15:39:43 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest Signal #2 Phase: CLPest2
Signal #1 Info : .32 Signal #2 Info : .32

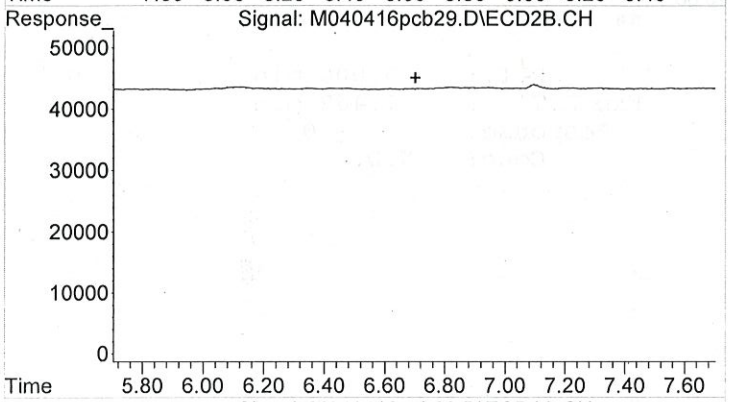






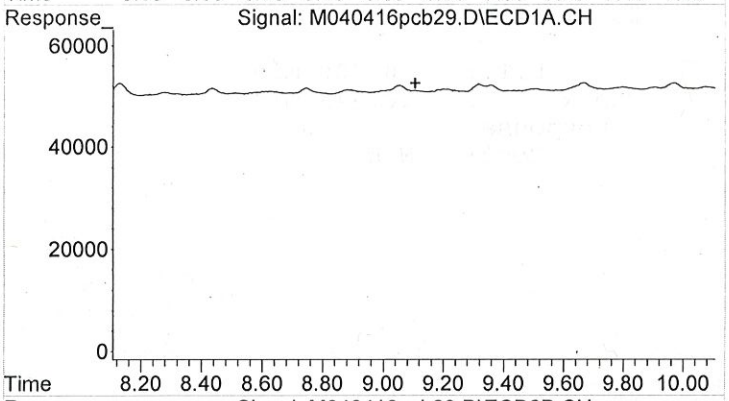
#2 1242 -1

R.T.: 0.000 min
Exp R.T. : 8.637 min
Response: 0
Conc: N.D.



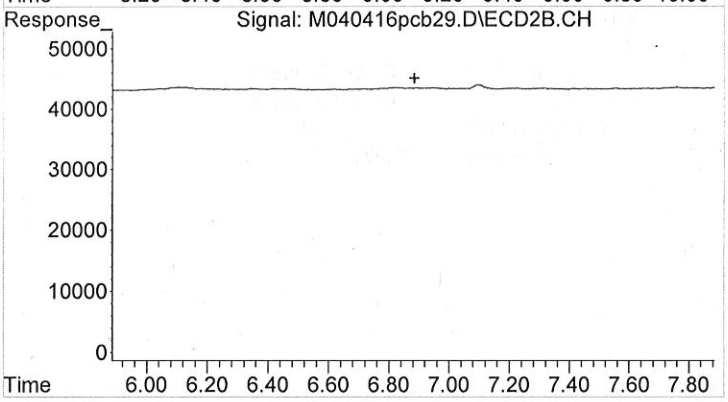
#2 1242 -1

R.T.: 0.000 min
Exp R.T. : 6.703 min
Response: 0
Conc: N.D.



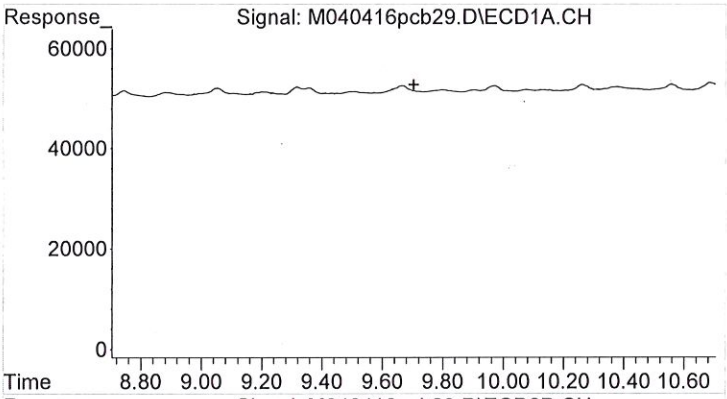
#3 1242-2

R.T.: 0.000 min
Exp R.T. : 9.107 min
Response: 0
Conc: N.D.



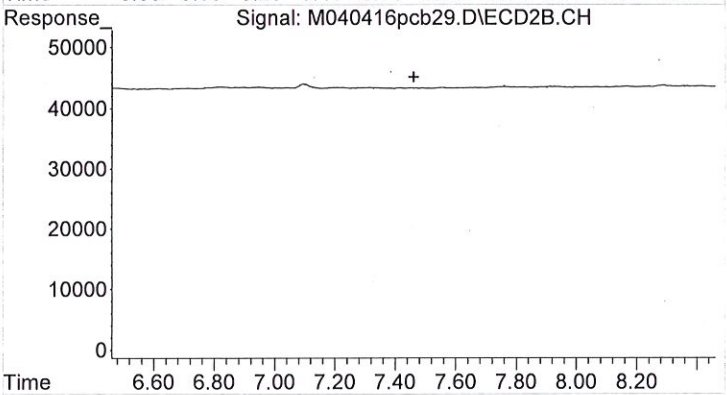
#3 1242-2

R.T.: 0.000 min
Exp R.T. : 6.885 min
Response: 0
Conc: N.D.



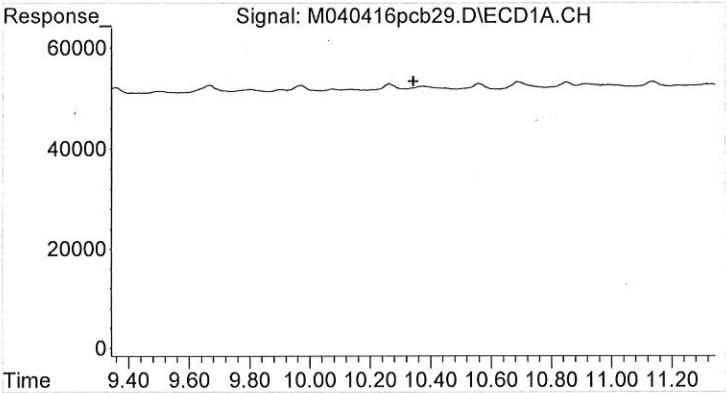
#4 1242-3

R.T.: 0.000 min
Exp R.T. : 9.705 min
Response: 0
Conc: N.D.



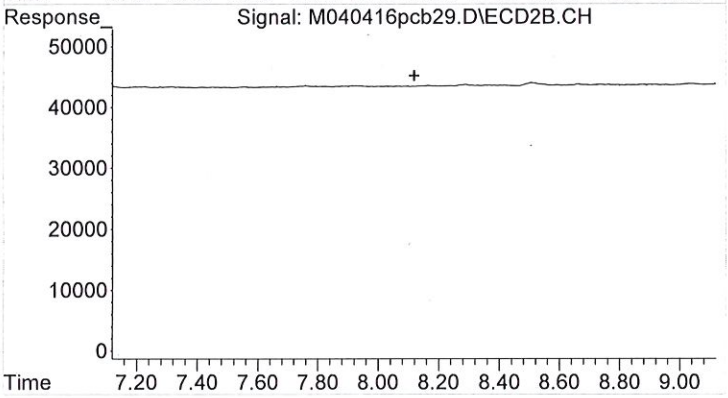
#4 1242-3

R.T.: 0.000 min
Exp R.T. : 7.462 min
Response: 0
Conc: N.D.



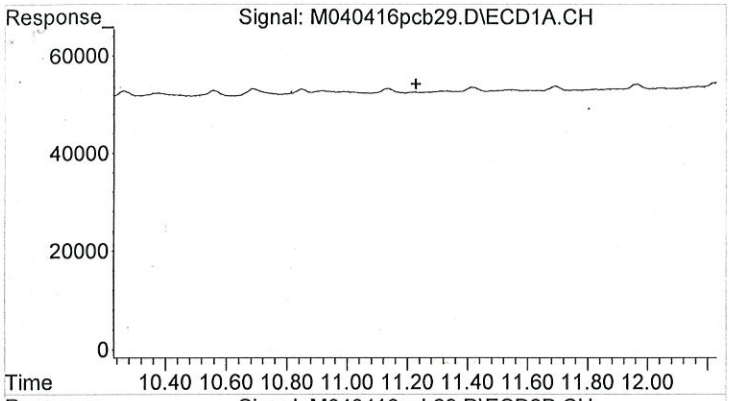
#5 1242-4

R.T.: 0.000 min
Exp R.T. : 10.343 min
Response: 0
Conc: N.D.



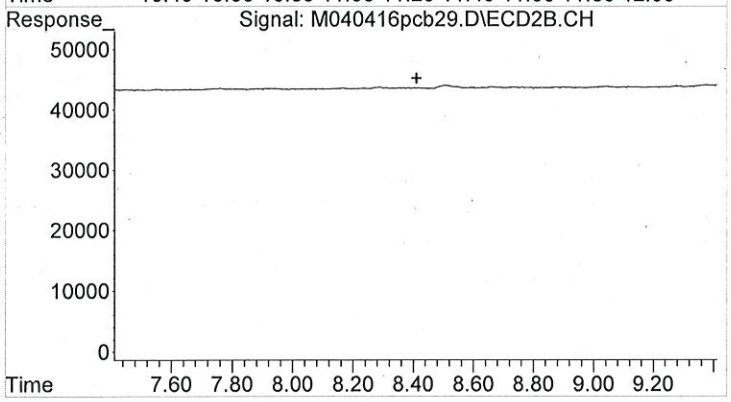
#5 1242-4

R.T.: 0.000 min
Exp R.T. : 8.120 min
Response: 0
Conc: N.D.



#6 1242-5

R.T.: 0.000 min
Exp R.T. : 11.229 min
Response: 0
Conc: N.D.



#6 1242-5

R.T.: 0.000 min
Exp R.T. : 8.412 min
Response: 0
Conc: N.D.