Sample.....: 16334001
Data File....: M082516pcb08.D
Project.....: OCE-009B
Matrix.....: 40 - Soil
Analyzed.....: 08/25/2016 10:53
Type.....: 0

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 8

Instrument.....: Minerva
Amount Extracted.: 1 g
Percent Solids...: 100
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: Sky Valley PCB Bottle Blank 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb08.D

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	250	tmx (1)	6.99	7.00	1118920		50	52	104	%Rec	
12	2.5	250	dcb	17.79	17.83	613675		50	54	108	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1930360		50	56	113	%Rec	
25	2.5	250	dcb #2	13.43	13.43	1133110		50	53	106	%Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	250	ug/kg (RL)	U
3	25	1000	1016-2	-	-	-		-	-	250	ug/kg (RL)	U
4	25	1000	1016-3	-	-	-		-	-	250	ug/kg (RL)	U
5	25	1000	1016-4	-	-	-		-	-	250	ug/kg (RL)	U
6	25	1000	1016-5	-	-	-		-	-	250	ug/kg (RL)	U
7	25	1000	1260-1	-	-	-		-	-	250	ug/kg (RL)	U
8	25	1000	1260-2	-	-	-		-	-	250	ug/kg (RL)	U
9	25	1000	1260-3	-	-	-		-	-	250	ug/kg (RL)	U
10	25	1000	1260-4	-	-	-		-	-	250	ug/kg (RL)	U
11	25	1000	1260-5	-	-	-		-	-	250	ug/kg (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	250	ug/kg (RL)	U
16	25	1000	1016-2 #2	-	-	-		-	-	250	ug/kg (RL)	U
17	25	1000	1016-3 #2	-	-	-		-	-	250	ug/kg (RL)	U
18	25	1000	1016-4 #2	-	-	-		-	-	250	ug/kg (RL)	U
19	25	1000	1016-5 #2	-	-	-		-	-	250	ug/kg (RL)	U
20	25	1000	1260-1 #2	-	-	-		-	-	250	ug/kg (RL)	U
21	25	1000	1260-2 #2	-	-	-		-	-	250	ug/kg (RL)	U
22	25	1000	1260-3 #2	-	-	-		-	-	250	ug/kg (RL)	U
23	25	1000	1260-4 #2	-	-	-		-	-	250	ug/kg (RL)	U
24	25	1000	1260-5 #2	-	-	-		-	-	250	ug/kg (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD²
12674112	1016 Column 1	250	ug/kg (RL)	0	NA	Results will be reported from Column 2
12674112	1016 Column 2	250	ug/kg (RL)	0	NA	
11096825	1260 Column 1	250	ug/kg (RL)	0	NA	
11096825	1260 Column 2	250	ug/kg (RL)	0	NA	

¹'Amount' units are pg or pg/uL on column. ²RPD (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\M082516PCBDW\
Data File : M082516pcb08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:53 am
Operator : DWOOD
Sample : 16334001
Misc : Sky Valley PCB Bottle Blank 10mL fv
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:38:54 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.987	4.886	1118917	1930360	52.021	56.355
12)	S2 dcb	17.791	13.425	613675	1133111	53.759	53.196
	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.	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	0.000	0	0	N.D.	N.D.
8)	L2 1260-2	0.000	0.000	0	0	N.D.	N.D.
9)	L2 1260-3	0.000	0.000	0	0	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.

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:53 am
Operator : DWOOD
Sample : 16334001
Misc : Sky Valley PCB Bottle Blank 10mL fv
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:47:01 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.987	4.886	1118917	1930360	52.021	56.355
12) S2 dcb	17.791	13.425	613675	1133111	53.759	53.196
Target Compounds						
2) L1 1016 -1	0.000	5.440	0	~~24534~~	N.D.	27.524 #
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	24534	N.D.	27.524
Average 1016 -1					0.000	27.524
7) L2 1260-1	0.000	0.000	0	0	N.D.	N.D.
8) L2 1260-2	0.000	0.000	0	0	N.D.	N.D.
9) L2 1260-3	0.000	0.000	0	0	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.

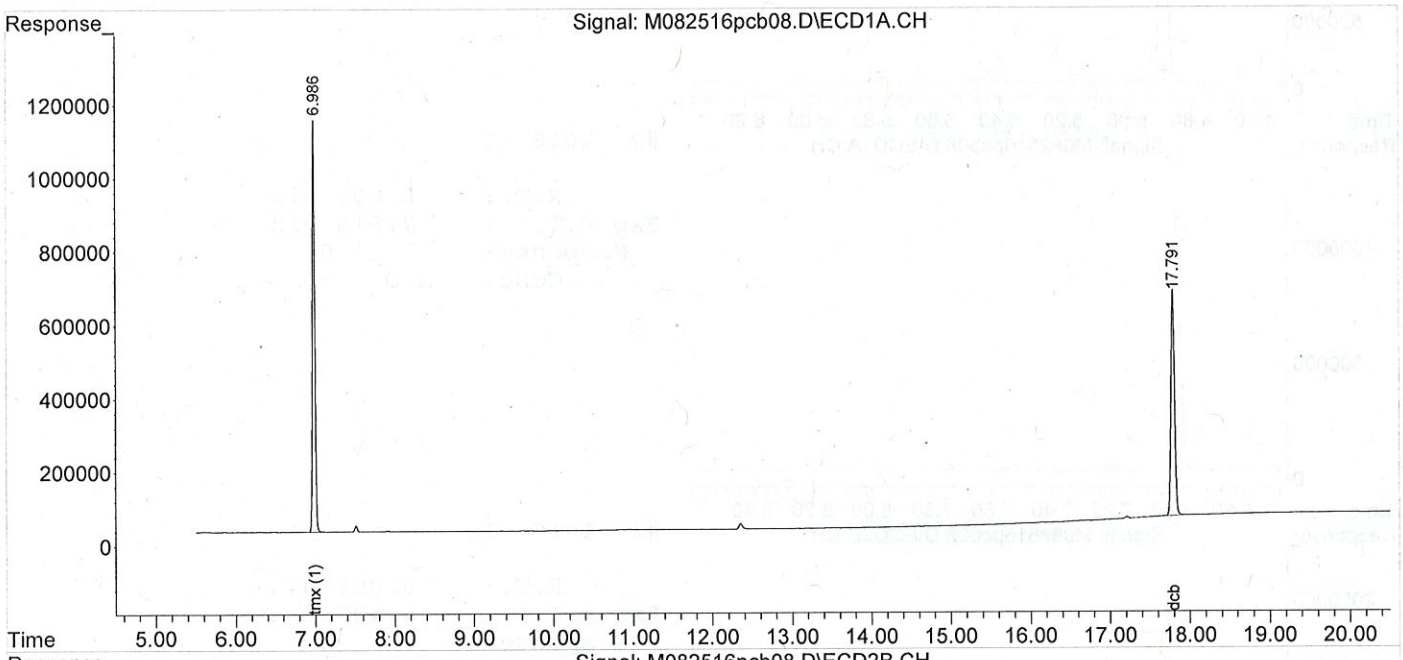
mw
9/19/16

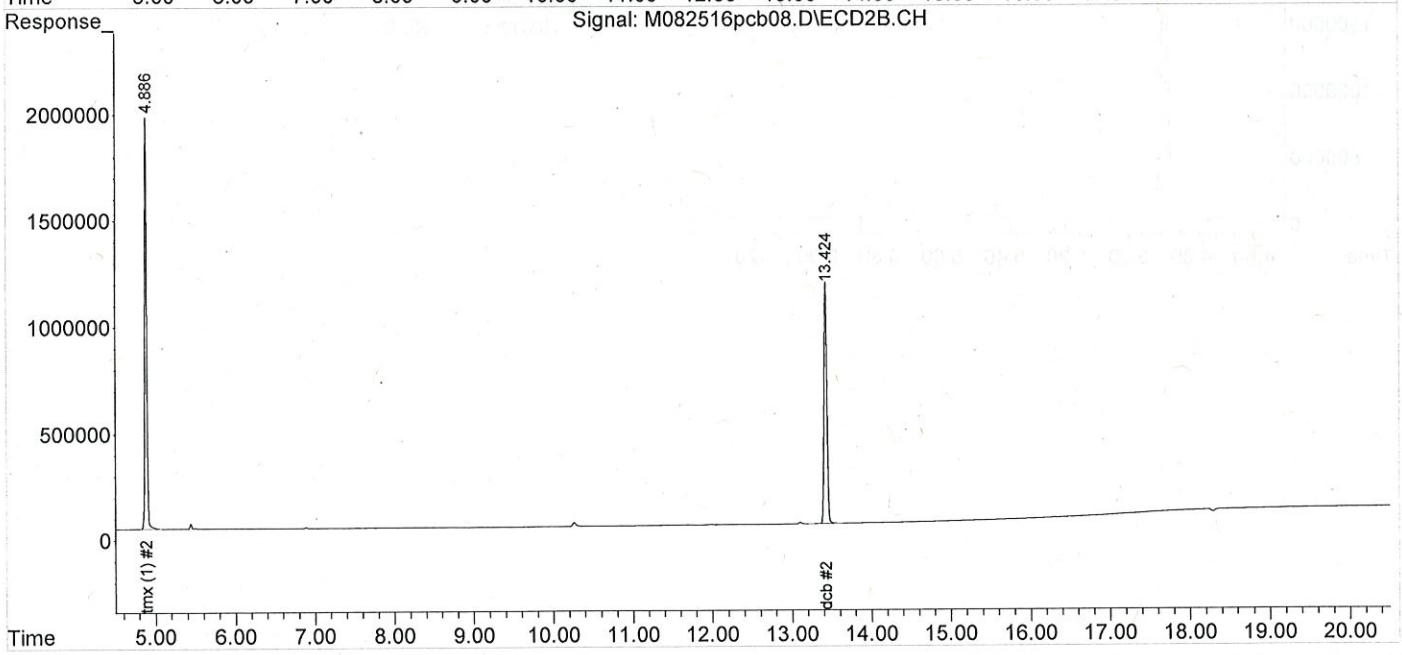
Quantitation Report (QT Reviewed)

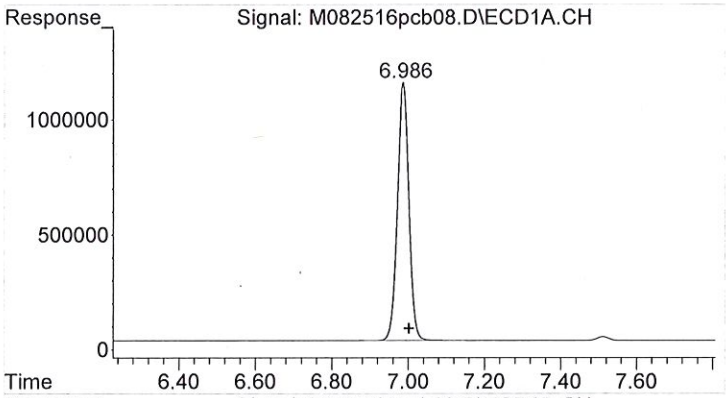
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:53 am
Operator : DWOOD
Sample : 16334001
Misc : Sky Valley PCB Bottle Blank 10mL fv
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:38:54 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

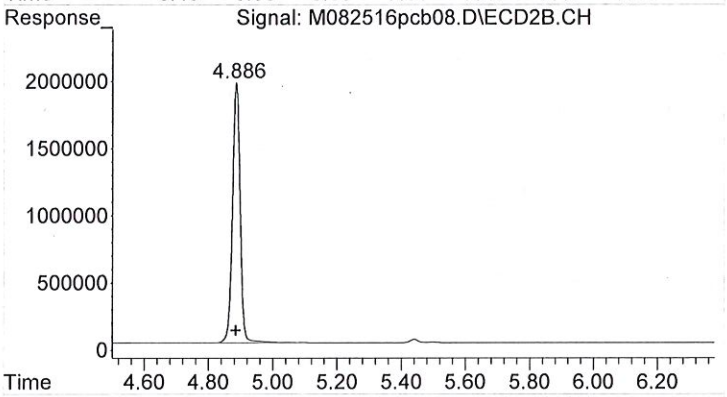






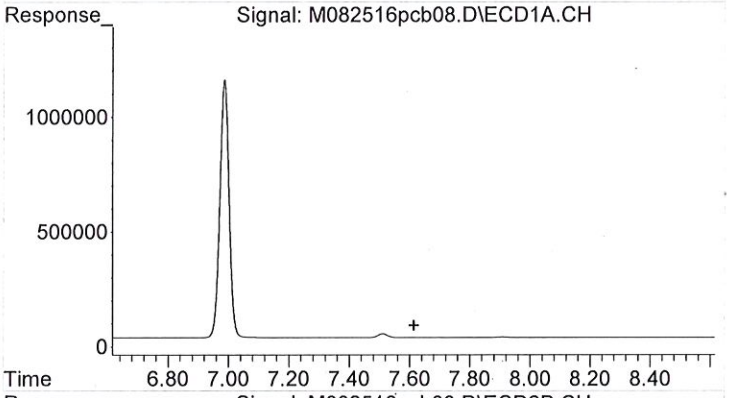
#1 tmx (1)

R.T.: 6.987 min
Delta R.T.: -0.016 min
Response: 1118917
Conc: 52.02 pg/uL



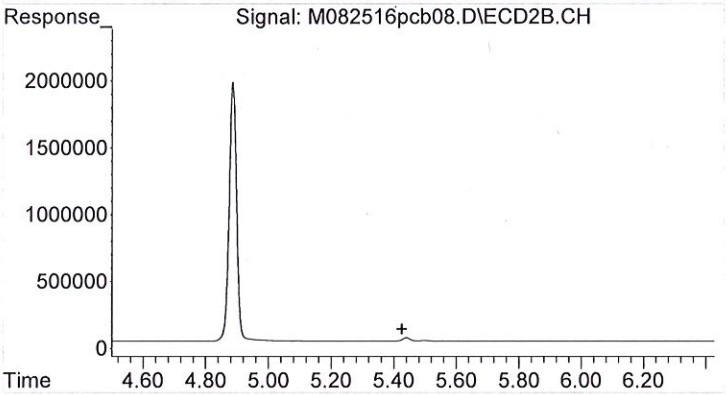
#1 tmx (1)

R.T.: 4.886 min
Delta R.T.: 0.000 min
Response: 1930360
Conc: 56.36 pg/uL



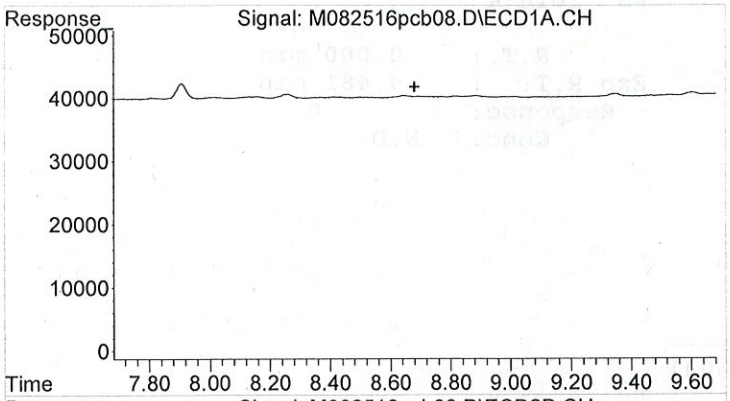
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



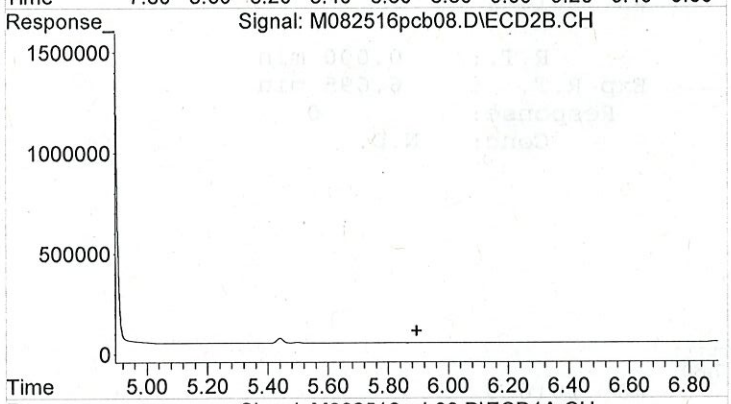
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



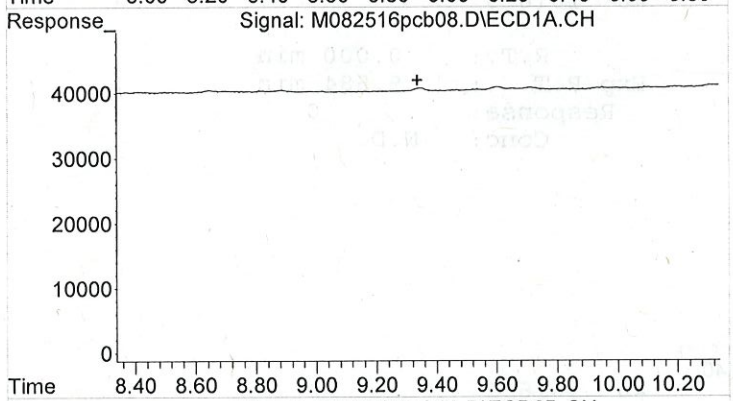
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



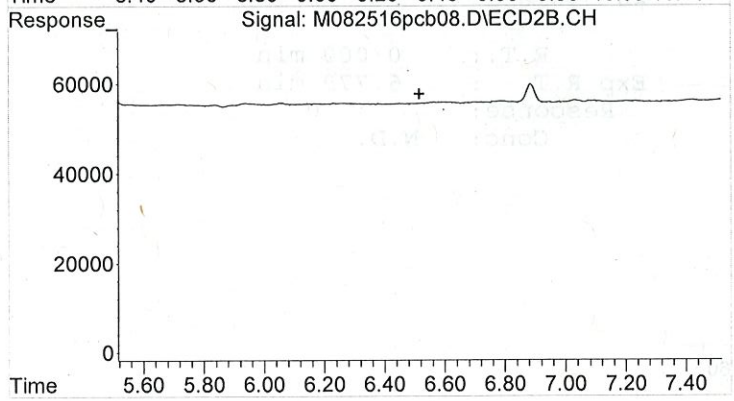
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



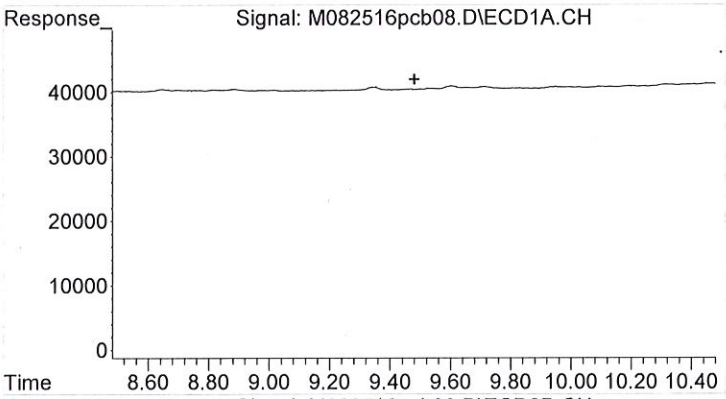
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



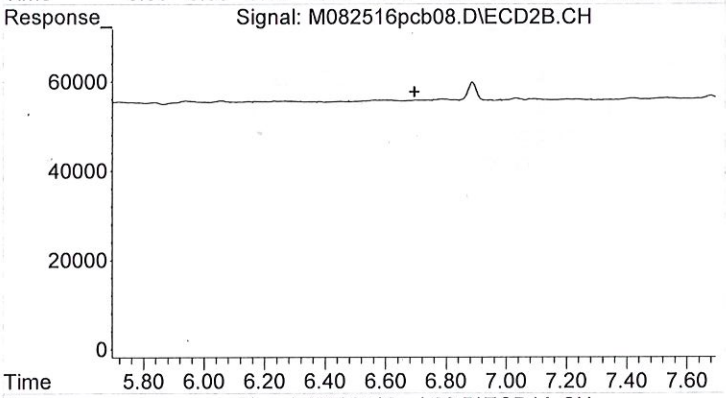
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



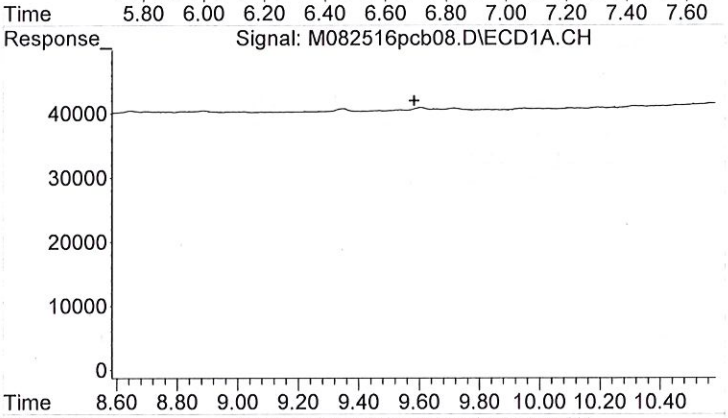
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



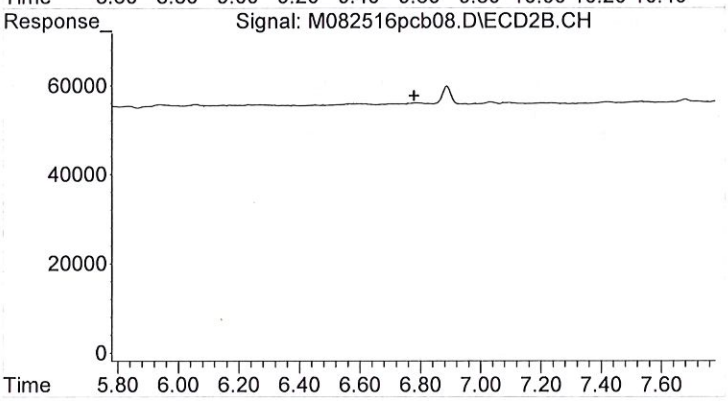
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



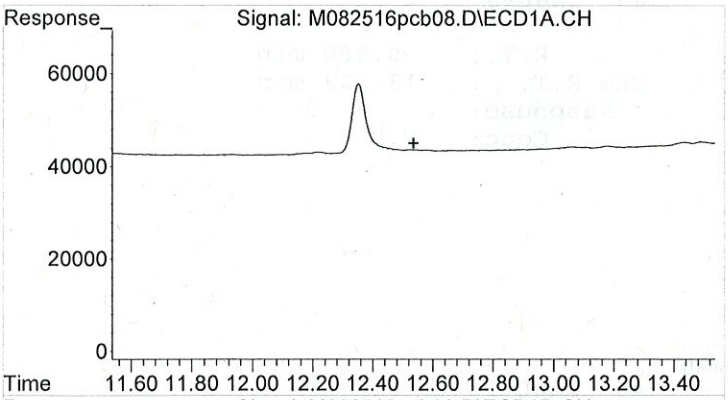
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



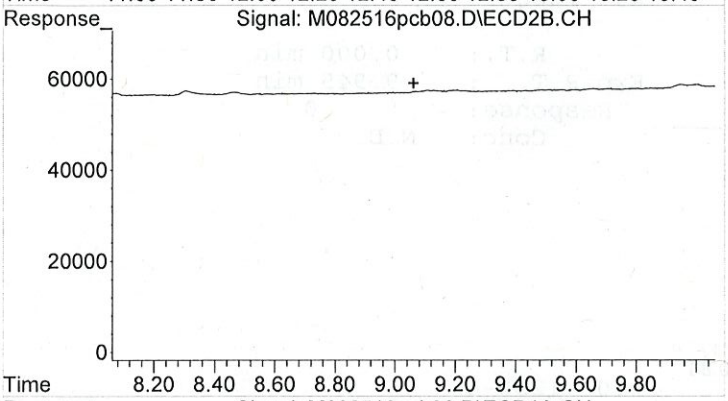
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



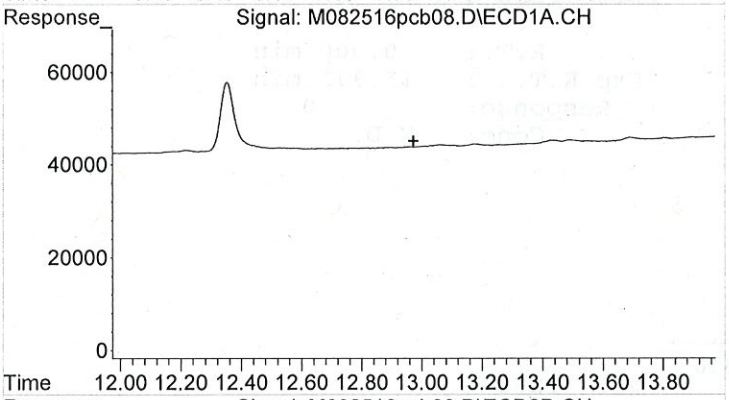
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



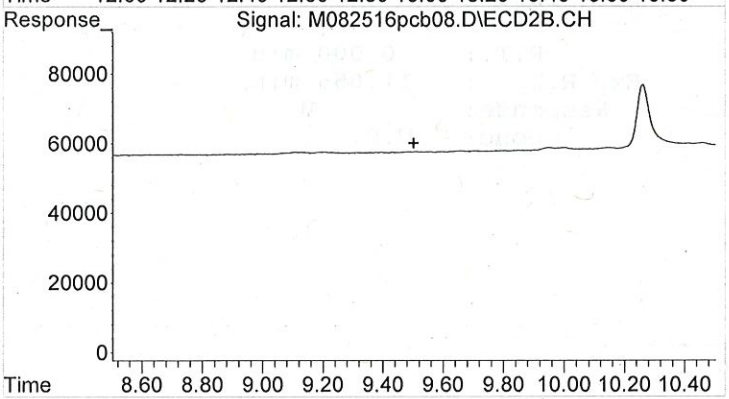
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



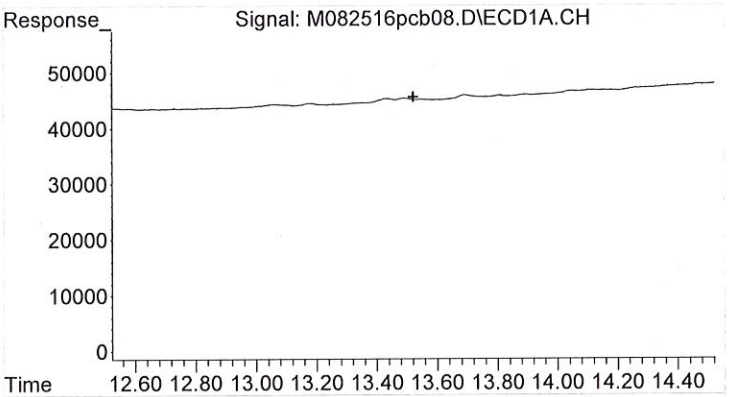
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



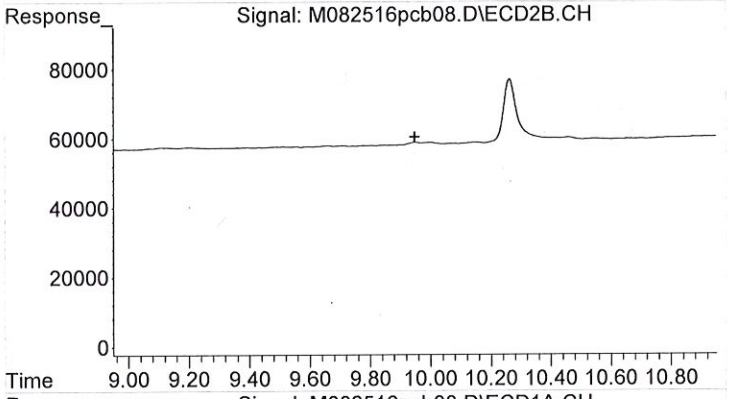
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



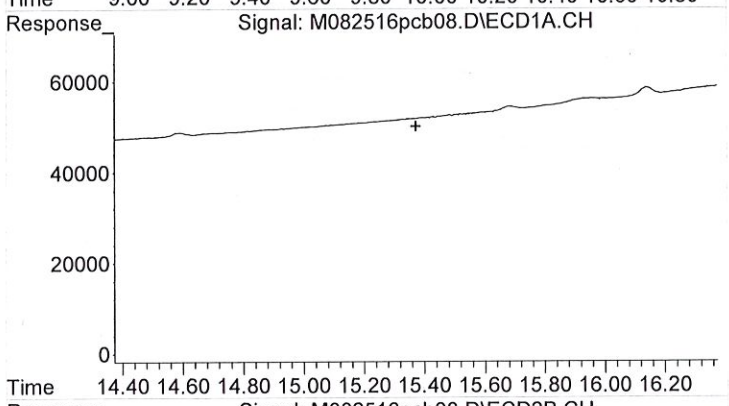
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



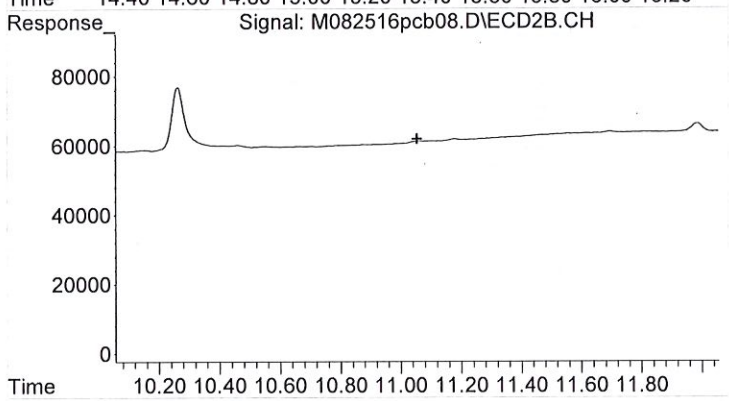
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



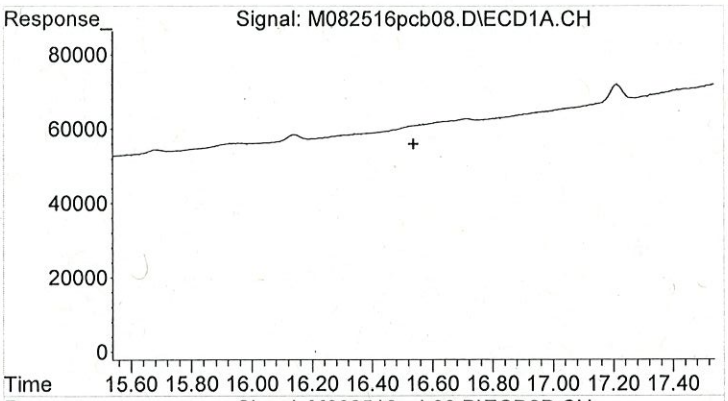
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



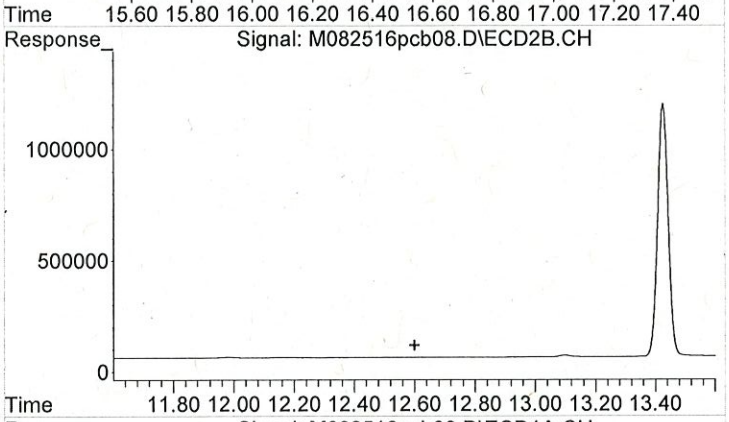
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



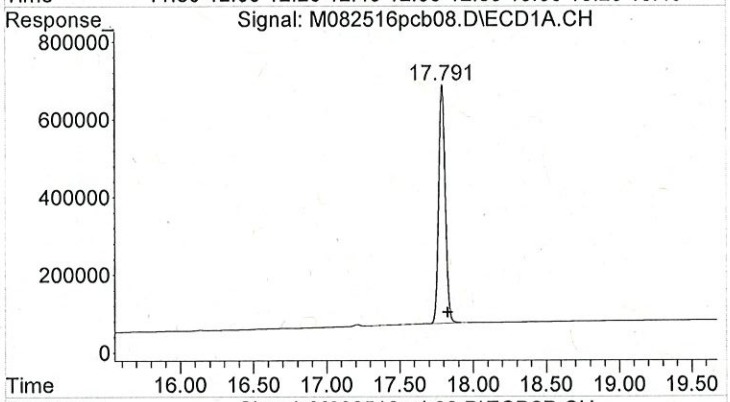
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



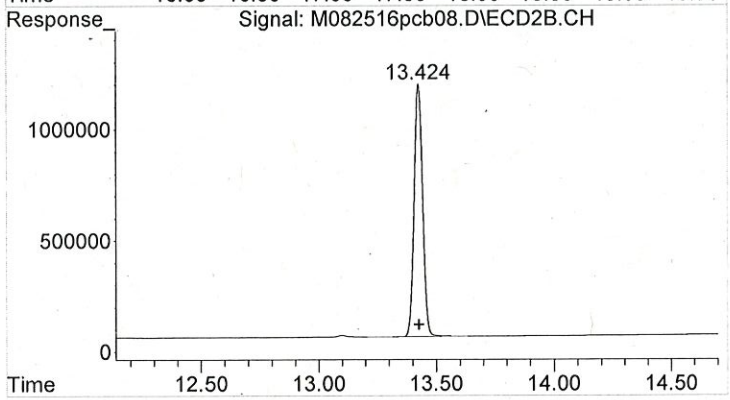
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.791 min
Delta R.T.: -0.039 min
Response: 613675
Conc: 53.76 pg/uL



#12 dcb

R.T.: 13.425 min
Delta R.T.: -0.003 min
Response: 1133111
Conc: 53.20 pg/uL

Sample.....: 16334002
Data File....: M082516pcb09.D
Project.....: OCE-009B
Matrix.....: 42 - Wipe
Analyzed.....: 08/25/2016 11:17
Type.....: 0
Additional Info..: Sky Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb09.D

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 9

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 10 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	250	tmx (1)	6.99	7.00	1075200		50	50	100	%Rec	
12	2.5	250	dcb	17.80	17.83	587630		50	51	103	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1905060		50	56	111	%Rec	
25	2.5	250	dcb #2	13.42	13.43	1097750		50	52	103	%Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	0.25	ug (RL)	U
3	25	1000	1016-2	-	-	-	d	-	-	0.25	ug (RL)	U
4	25	1000	1016-3	-	-	-	d	-	-	0.25	ug (RL)	U
5	25	1000	1016-4	-	-	-	d	-	-	0.25	ug (RL)	U
6	25	1000	1016-5	-	-	-	d	-	-	0.25	ug (RL)	U
7	25	1000	1260-1	-	-	-	d	-	-	0.25	ug (RL)	U
8	25	1000	1260-2	-	-	-	d	-	-	0.25	ug (RL)	U
9	25	1000	1260-3	-	-	-	d	-	-	0.25	ug (RL)	U
10	25	1000	1260-4	-	-	-	d	-	-	0.25	ug (RL)	U
11	25	1000	1260-5	-	-	-	d	-	-	0.25	ug (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
16	25	1000	1016-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
17	25	1000	1016-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
18	25	1000	1016-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
19	25	1000	1016-5 #2	-	-	-	d	-	-	0.25	ug (RL)	U
20	25	1000	1260-1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
21	25	1000	1260-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
22	25	1000	1260-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
23	25	1000	1260-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
24	25	1000	1260-5 #2	-	-	-	d	-	-	0.25	ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	0.25	ug (RL)	0	NA	Results will be reported from Column 2
12674112	1016 Column 2	0.25	ug (RL)	0	NA	
11096825	1260 Column 1	0.25	ug (RL)	0	NA	
11096825	1260 Column 2	0.25	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\M082516PCBDW\
Data File : M082516pcb09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:17 am
Operator : DWOOD
Sample : 16334002
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:40:14 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.989	4.886	1075196	1905063	49.965	55.605
12) S2 dcb	17.795	13.424	587630	1097745	51.442	51.519
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.

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:17 am
Operator : DWOOD
Sample : 16334002
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:47:15 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.989	4.886	1075196	1905063	49.965	55.605
12) S2 dcb	17.795	13.424	587630	1097745	51.442	51.519
Target Compounds						
2) L1 1016 -1	7.597	5.437	~~7742~~	~~29095~~	10.810	34.378 #
3) L1 1016-2	8.663	5.895	~~10685~~	~~23477~~	13.416	13.883
4) L1 1016-3	9.317	6.517	~~10852~~	~~24037~~	9.933	9.334
5) L1 1016-4	9.459	6.695	5869	15735	7.557	9.654 #
6) L1 1016-5	0.000	6.777	0	~~11484~~	N.D.	10.972 #
Sum 1016 -1			35147	103828	41.717	78.221
Average 1016 -1					10.429	15.644
7) L2 1260-1	0.000	9.062	0	~~3431~~	N.D.	N.D.
8) L2 1260-2	0.000	9.502	0	~~4359~~	N.D.	N.D.
9) L2 1260-3	0.000	9.948	0	~~4710~~	N.D.	N.D.
10) L2 1260-4	0.000	11.054	0	~~2447~~	N.D.	N.D.
11) L2 1260-5	0.000	12.662f	0	~~1836~~	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.

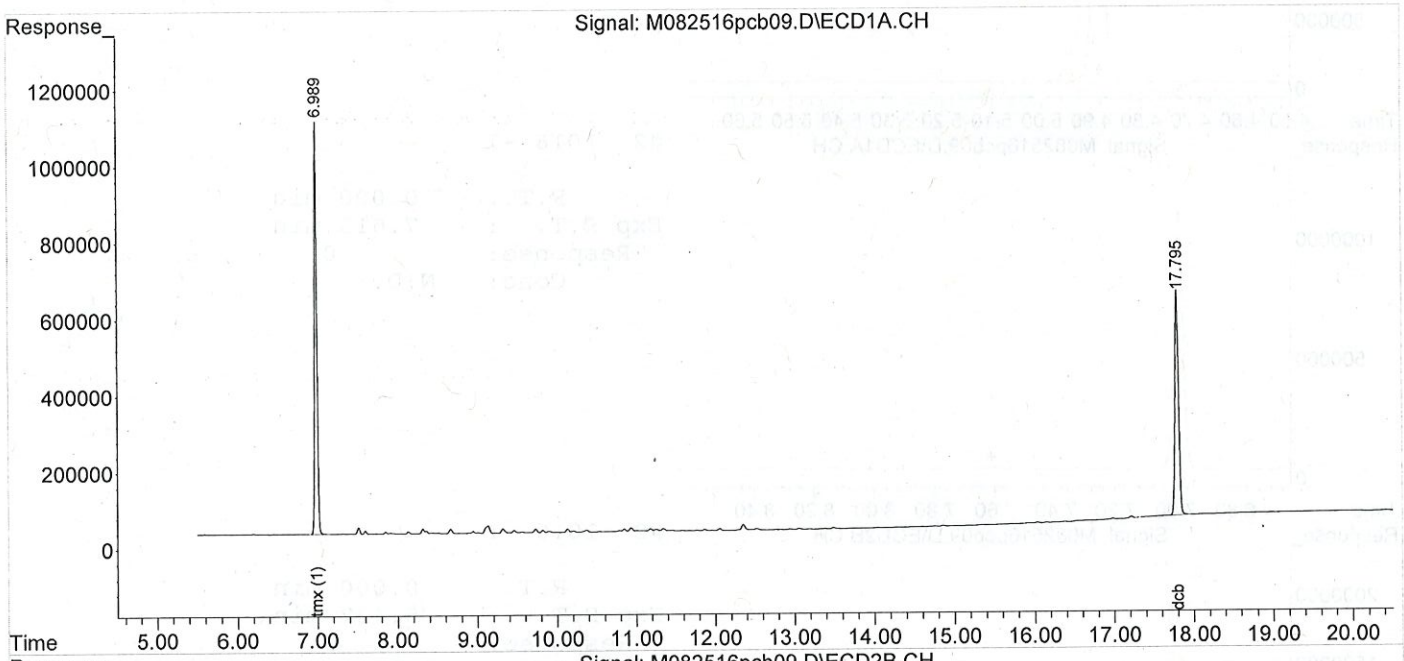
9/19/16

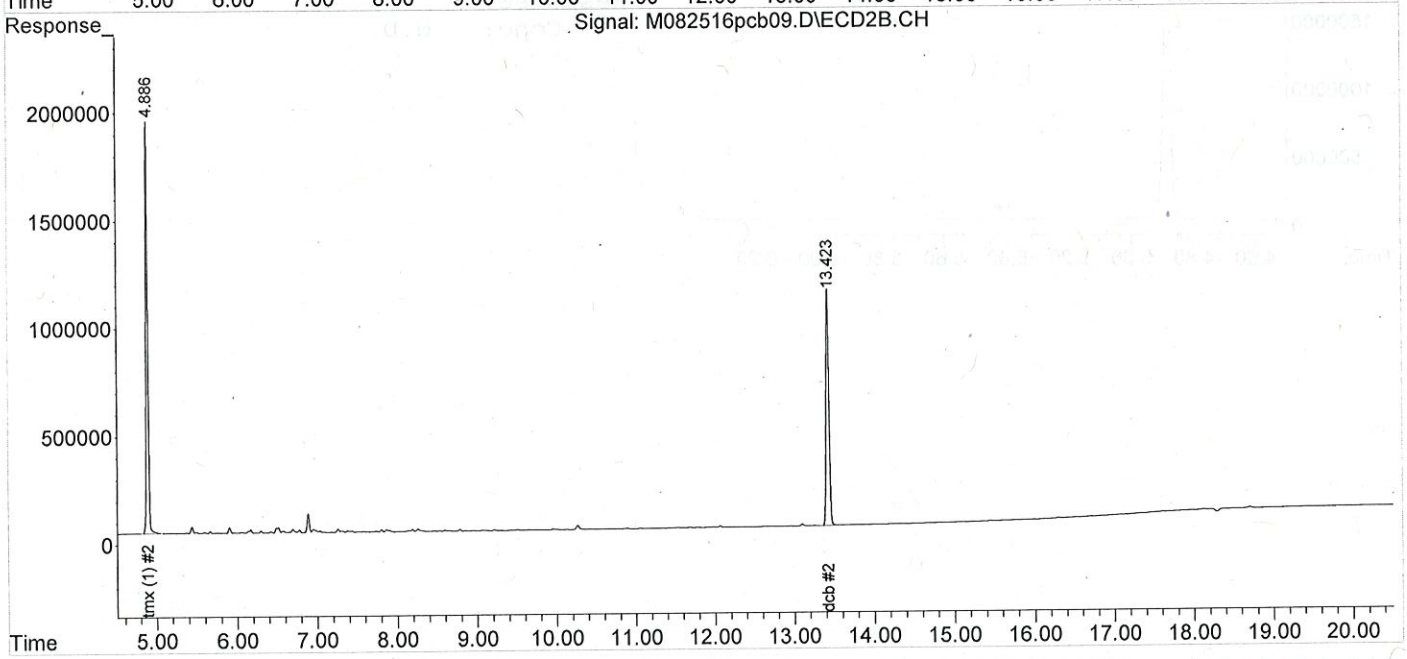
Quantitation Report (QT Reviewed)

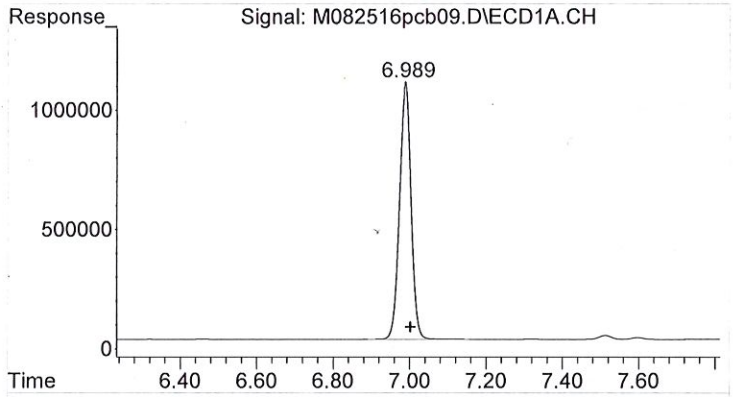
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:17 am
Operator : DWOOD
Sample : 16334002
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:40:14 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

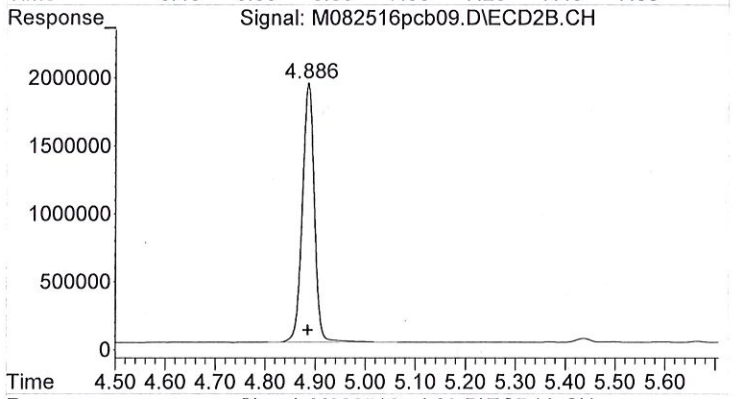






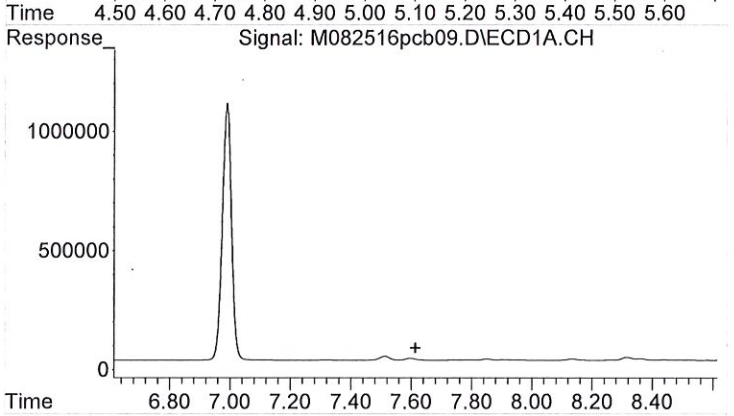
#1 tmx (1)

R.T.: 6.989 min
Delta R.T.: -0.014 min
Response: 1075196
Conc: 49.97 pg/uL



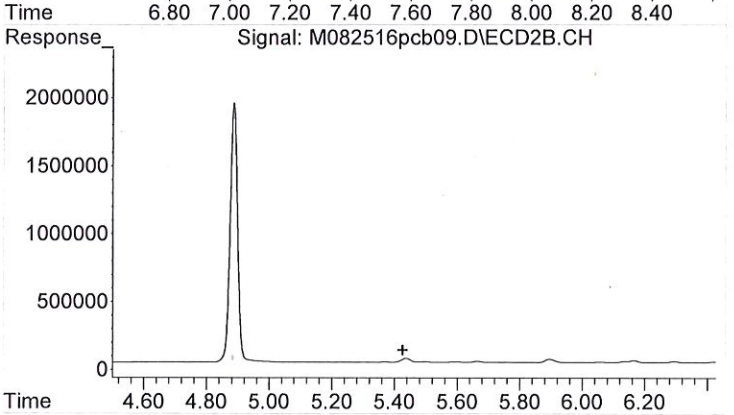
#1 tmx (1)

R.T.: 4.886 min
Delta R.T.: 0.000 min
Response: 1905063
Conc: 55.60 pg/uL



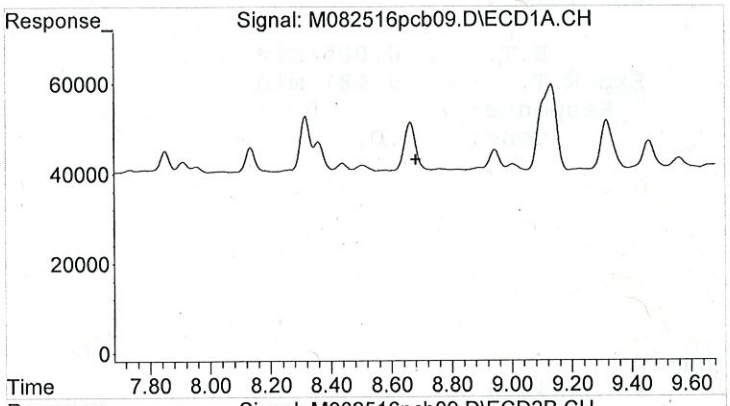
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



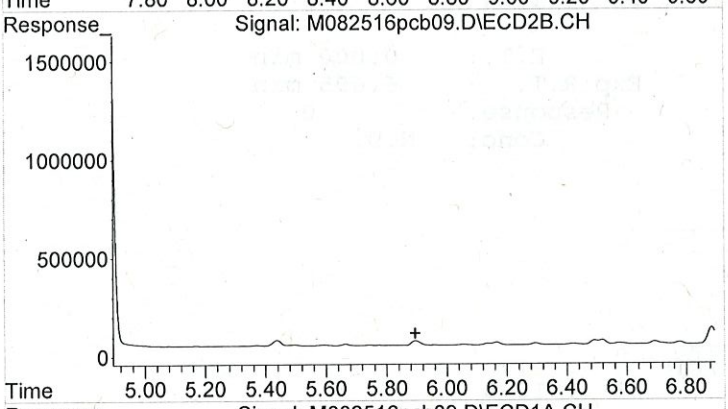
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



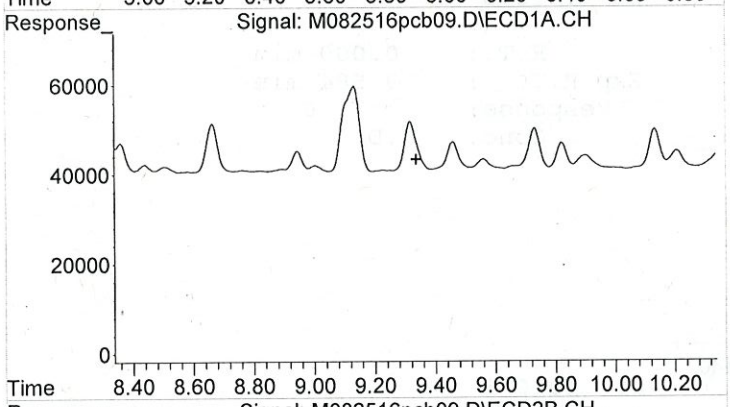
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



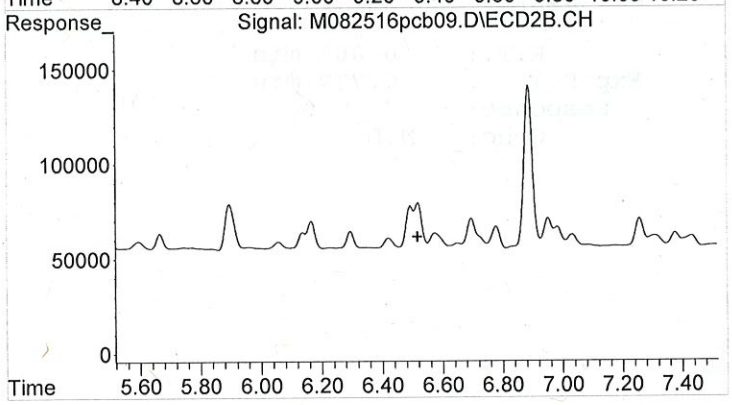
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



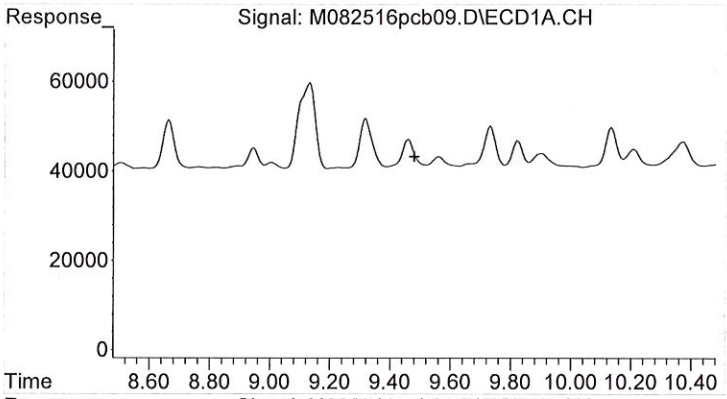
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



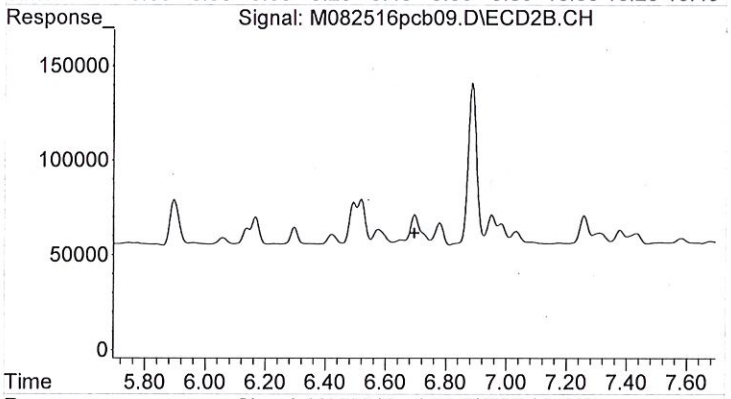
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



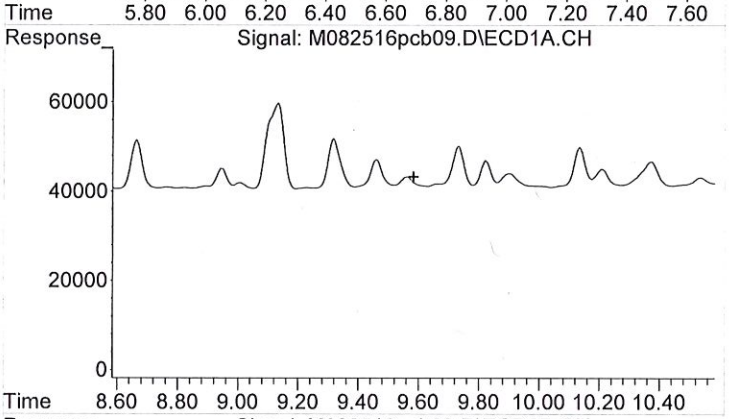
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



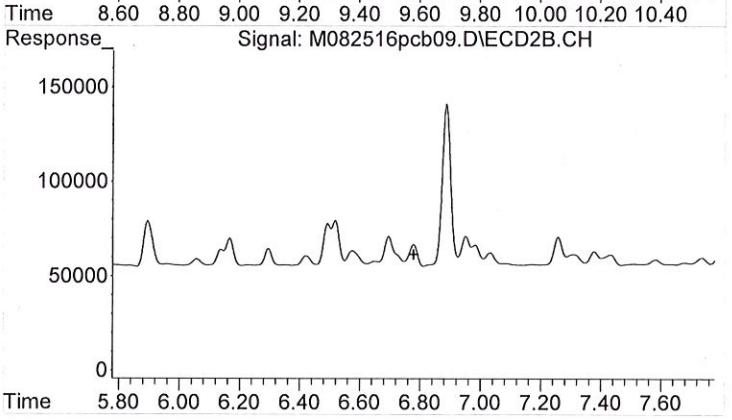
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



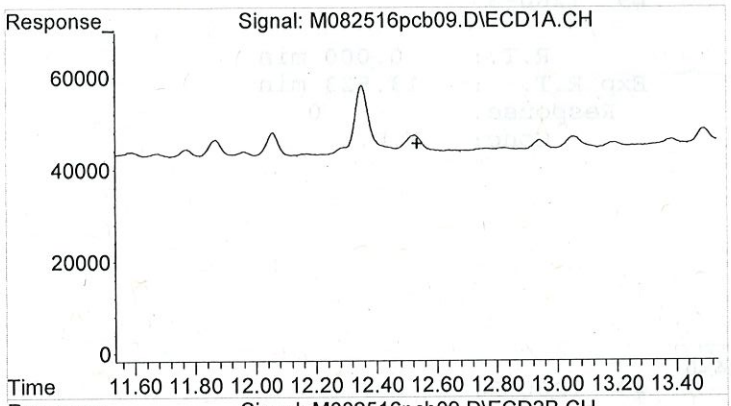
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



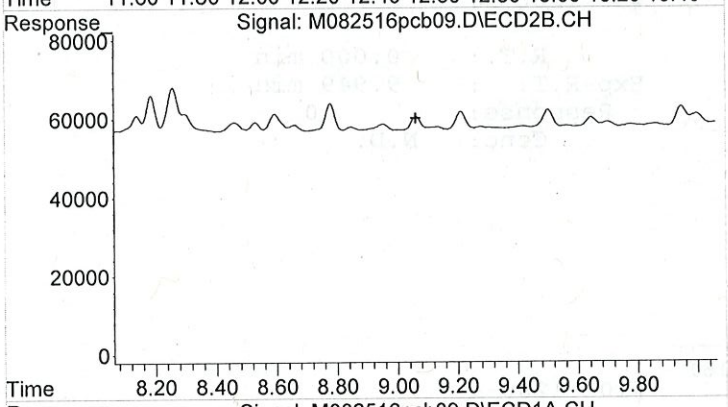
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



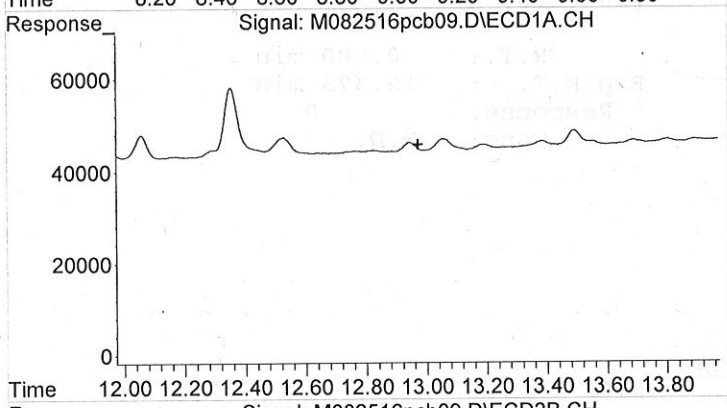
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



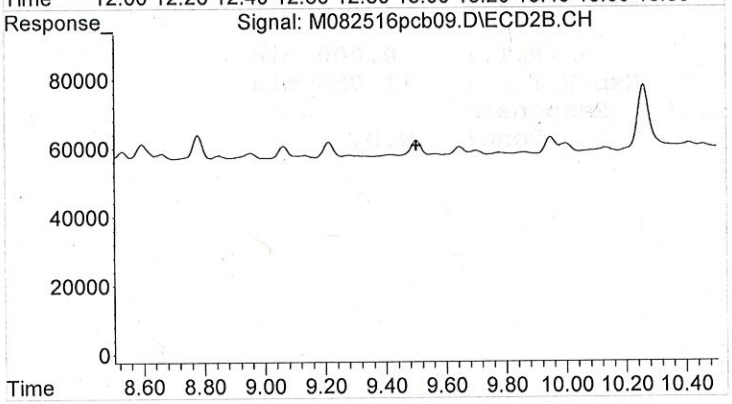
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



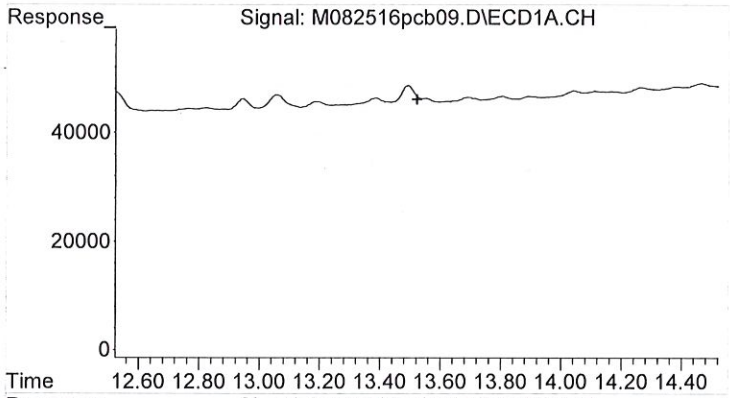
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



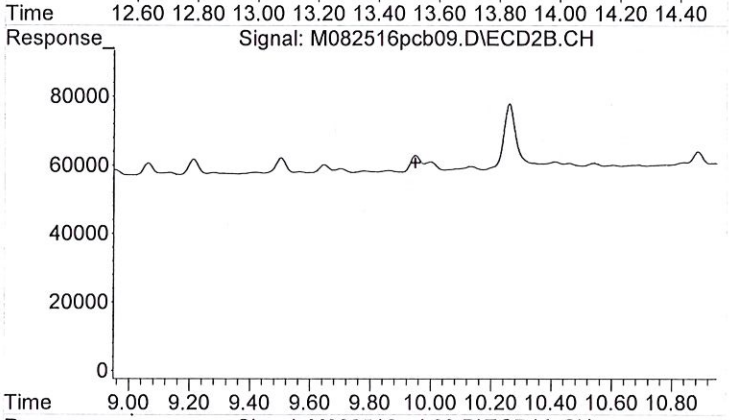
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



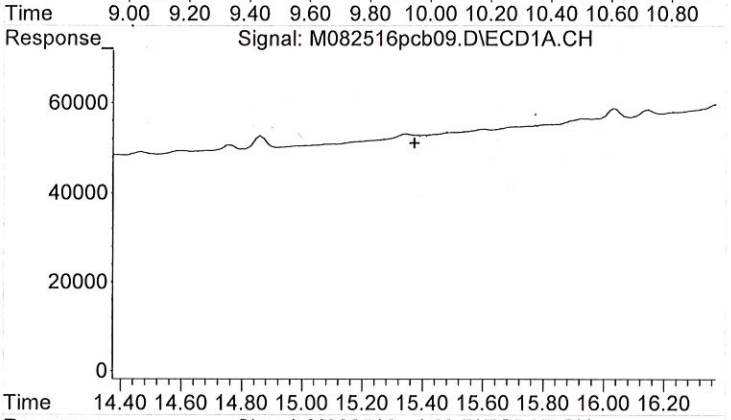
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



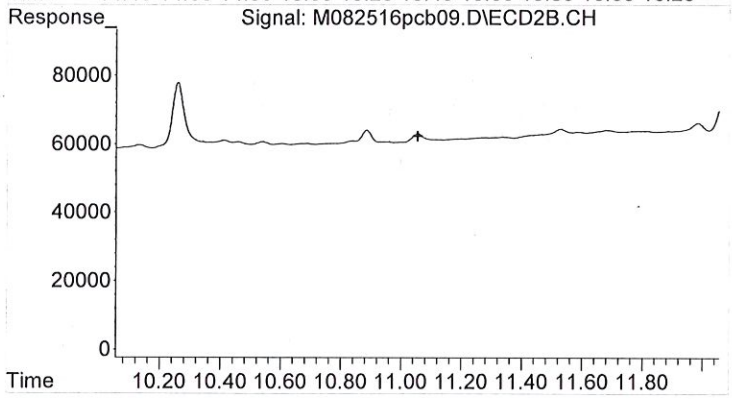
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



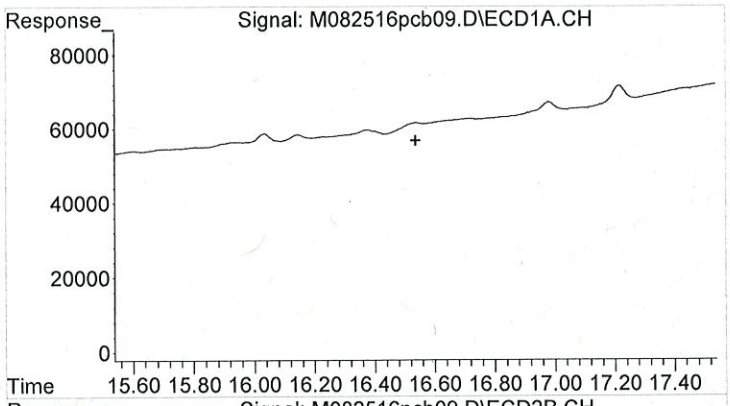
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



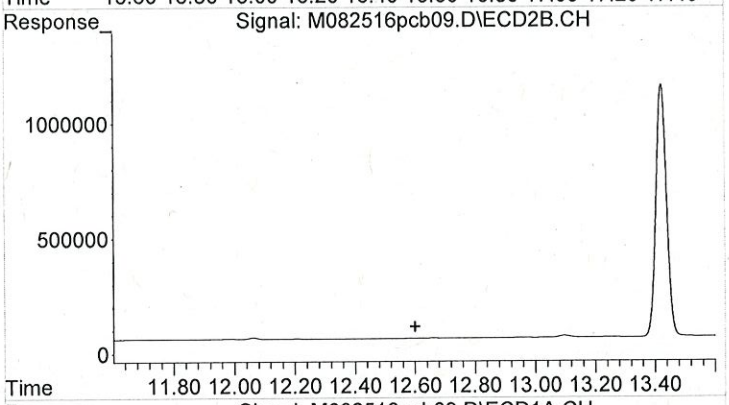
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



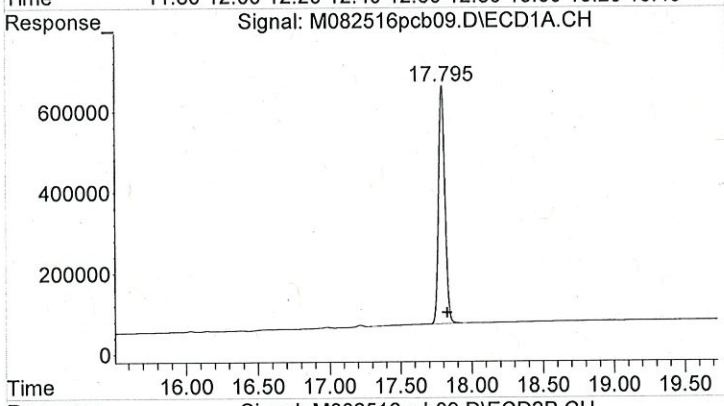
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



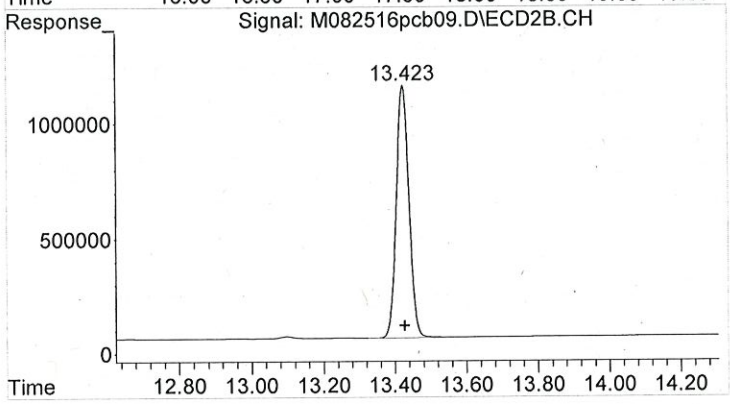
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.795 min
Delta R.T.: -0.035 min
Response: 587630
Conc: 51.44 pg/uL



#12 dcb

R.T.: 13.424 min
Delta R.T.: -0.005 min
Response: 1097745
Conc: 51.52 pg/uL

PCB Sample Results Summary

Sample.....: 16334003
Data File....: M082516pcb10.D
Project.....: OCE-009B
Matrix.....: 40 - Soil
Analyzed.....: 08/25/2016 11:42
Type.....: 0

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 10

Instrument.....: Minerva
Amount Extracted.: 1.1 g
Percent Solids...: 100
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: Sky Valley PCB Insulation 1.10g 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb10.D

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	250	tmx (1)	6.99	7.00	1151610		50	54	107	%Rec	
12	2.5	250	dcb	17.79	17.83	548602	m	50	48	96	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1956400		50	57	114	%Rec	
25	2.5	250	dcb #2	13.42	13.43	1153980		50	54	108	%Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	230	ug/kg (RL)	U
3	25	1000	1016-2	-	-	-		-	-	230	ug/kg (RL)	U
4	25	1000	1016-3	-	-	-	d	-	-	230	ug/kg (RL)	U
5	25	1000	1016-4	-	-	-	d	-	-	230	ug/kg (RL)	U
6	25	1000	1016-5	-	-	-	d	-	-	230	ug/kg (RL)	U
7	25	1000	1260-1	-	-	-	d	-	-	230	ug/kg (RL)	U
8	25	1000	1260-2	-	-	-	d	-	-	230	ug/kg (RL)	U
9	25	1000	1260-3	-	-	-	d	-	-	230	ug/kg (RL)	U
10	25	1000	1260-4	-	-	-	d	-	-	230	ug/kg (RL)	U
11	25	1000	1260-5	-	-	-		-	-	230	ug/kg (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
16	25	1000	1016-2 #2	-	-	-		-	-	230	ug/kg (RL)	U
17	25	1000	1016-3 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
18	25	1000	1016-4 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
19	25	1000	1016-5 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
20	25	1000	1260-1 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
21	25	1000	1260-2 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
22	25	1000	1260-3 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
23	25	1000	1260-4 #2	-	-	-	d	-	-	230	ug/kg (RL)	U
24	25	1000	1260-5 #2	-	-	-		-	-	230	ug/kg (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	230	ug/kg (RL)	0	NA	Results will be reported from Column 2
12674112	1016 Column 2	230	ug/kg (RL)	0	NA	
11096825	1260 Column 1	230	ug/kg (RL)	0	NA	
11096825	1260 Column 2	230	ug/kg (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\M082516PCBDW\
Data File : M082516pcb10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:42 am
Operator : DWOOD
Sample : 16334003
Misc : Sky Valley PCB Insulation 1.10g 10mL fv
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:42:41 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.988	4.886	1151605	1956397	53.559	57.128
12) S2 dcb	17.795	13.422	548602	1153977	47.970m	54.186
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.	N.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.	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.

9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:42 am
Operator : DWOOD
Sample : 16334003
Misc : Sky Valley PCB Insulation 1.10g 10mL fv
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:47:30 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.988	4.886	1151605	1956397	53.559	57.128
12) S2 dcb	17.796	13.422	1725648 B	1153977	63.720	54.186
Target Compounds						
2) L1 1016 -1	0.000	5.440	0	25127	N.D.	28.415 #
3) L1 1016-2	0.000	0.000	0	0	N.D.	N.D.
4) L1 1016-3	0.000	6.516	0	2324	N.D.	N.D.
5) L1 1016-4	0.000	6.694	0	2186	N.D.	N.D.
6) L1 1016-5	0.000	6.779	0	1807	N.D.	N.D.
Sum 1016 -1			0	25127	N.D.	16.441
Average 1016 -1					0.000	16.441
7) L2 1260-1	12.532	9.061	23447	16767	14.772	4.081 #
8) L2 1260-2	12.945	9.502	13351	31231	1.908	8.190 #
9) L2 1260-3	13.494	9.947	26031	36197	15.245	17.142
10) L2 1260-4	0.000	11.053	0	6924	N.D.	N.D.
11) L2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			62829	84195	31.926	28.779
Average 1260-1					10.642	9.593

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

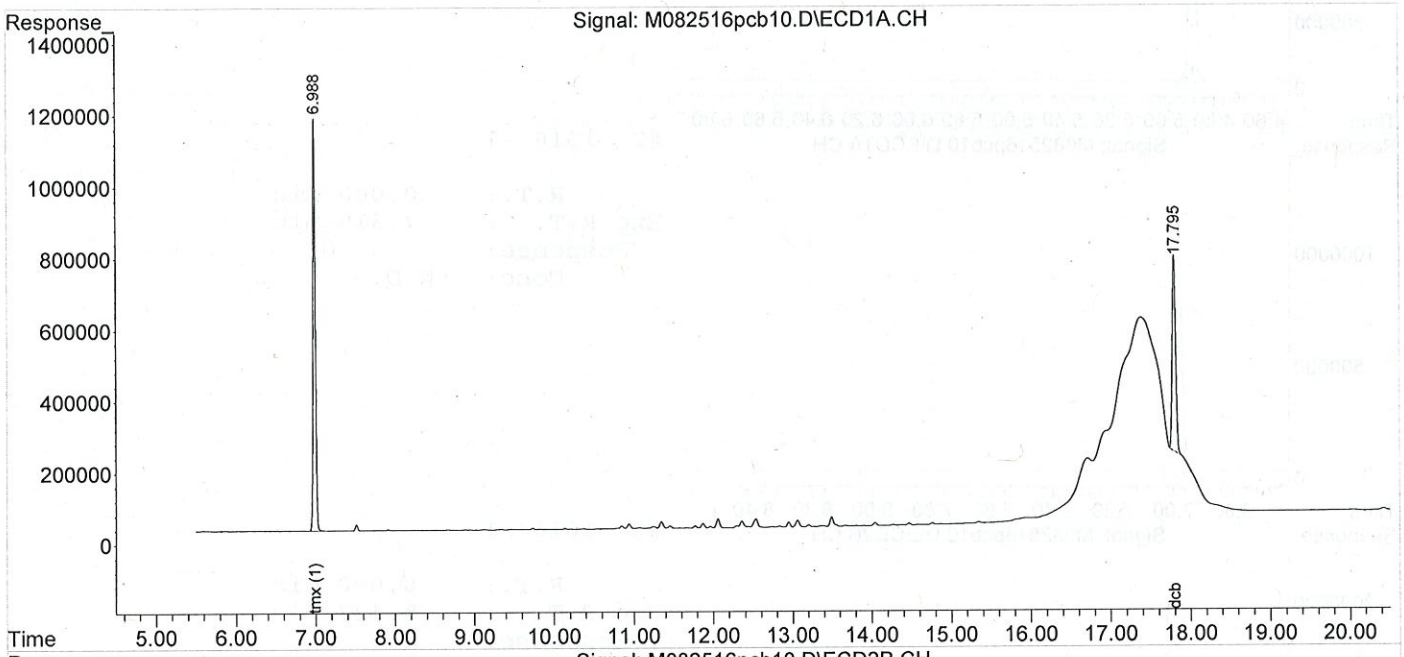
9/19/16

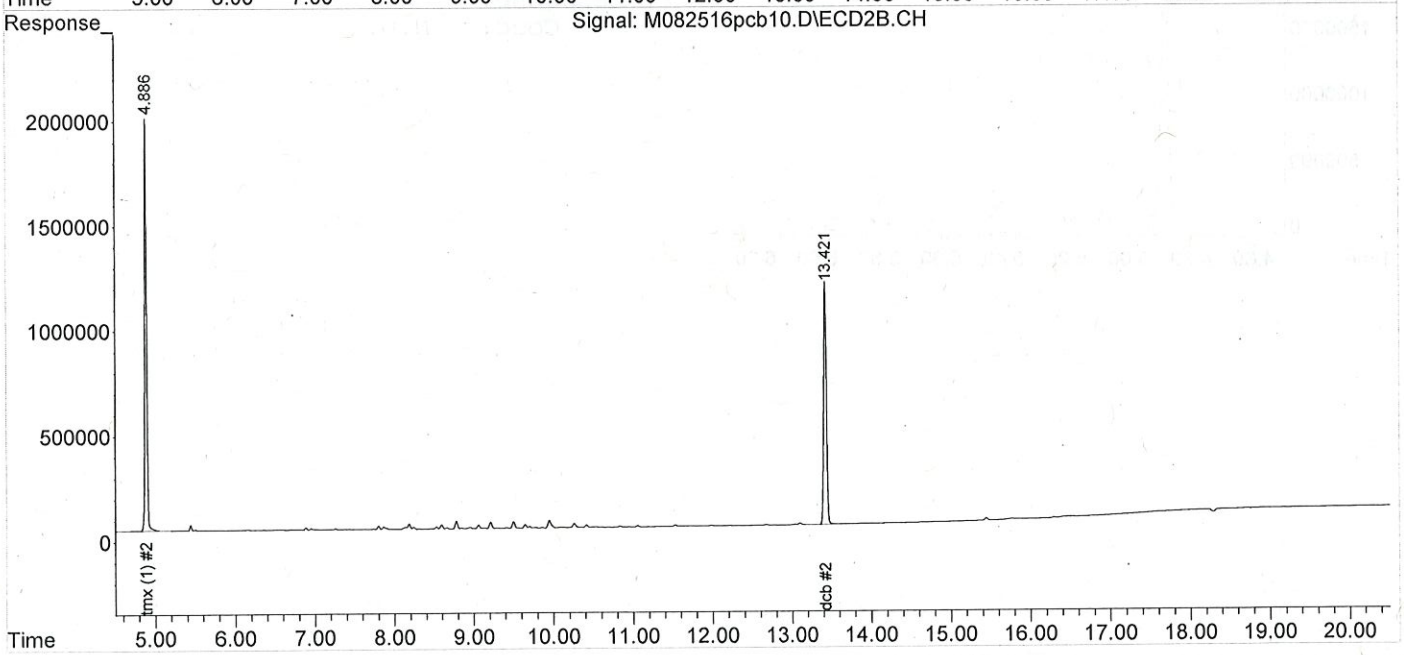
Quantitation Report (QT Reviewed)

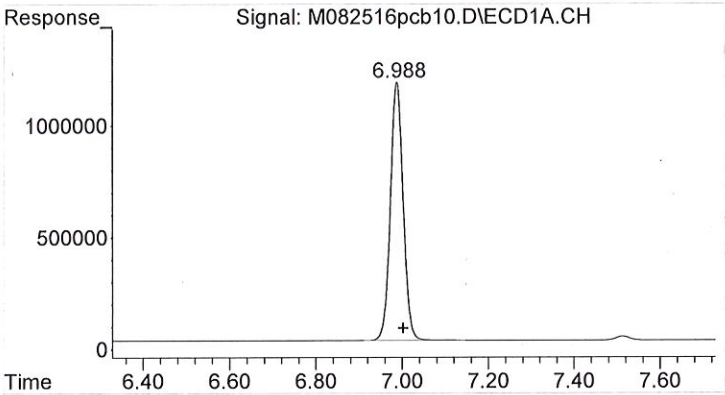
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 11:42 am
Operator : DWOOD
Sample : 16334003
Misc : Sky Valley PCB Insulation 1.10g 10mL fv
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:42:41 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

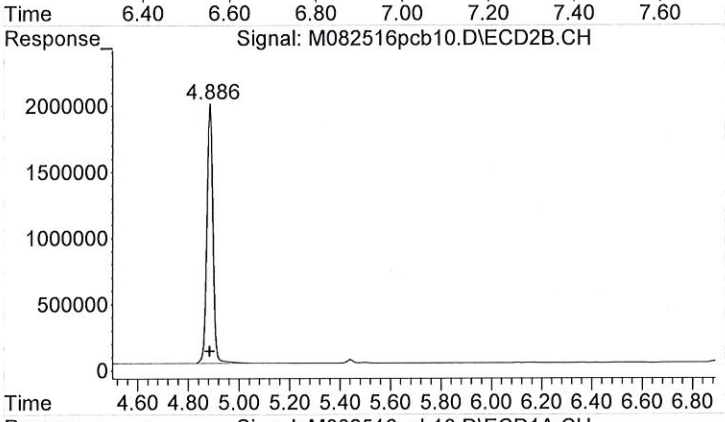






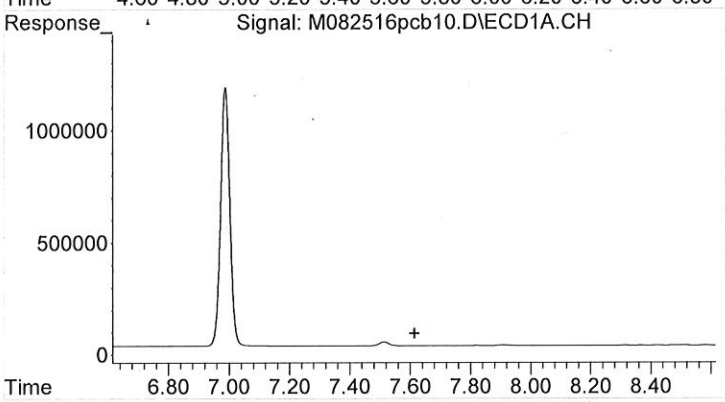
#1 tmx (1)

R.T.: 6.988 min
Delta R.T.: -0.015 min
Response: 1151605
Conc: 53.56 pg/uL



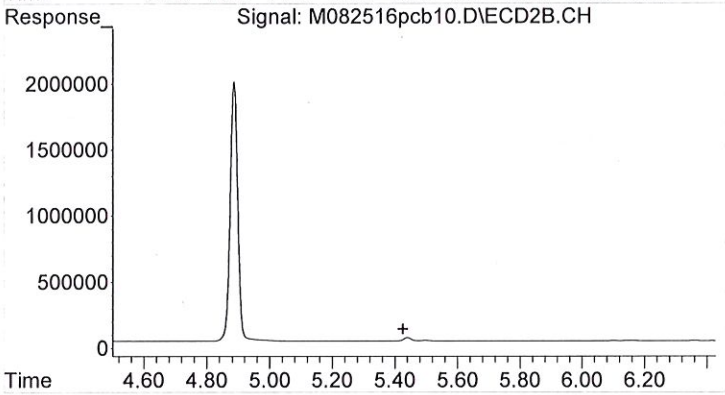
#1 tmx (1)

R.T.: 4.886 min
Delta R.T.: 0.000 min
Response: 1956397
Conc: 57.13 pg/uL



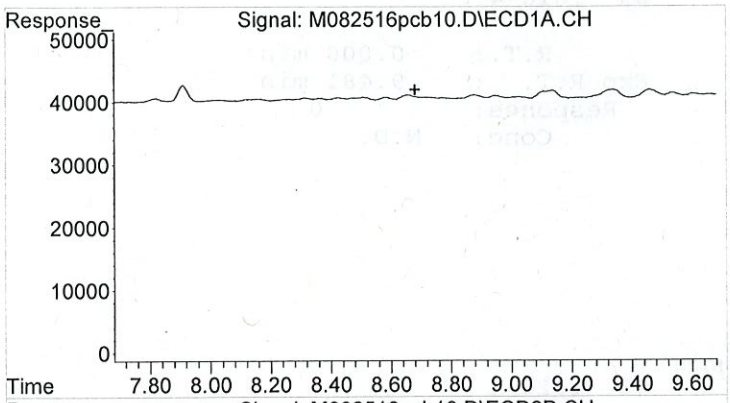
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



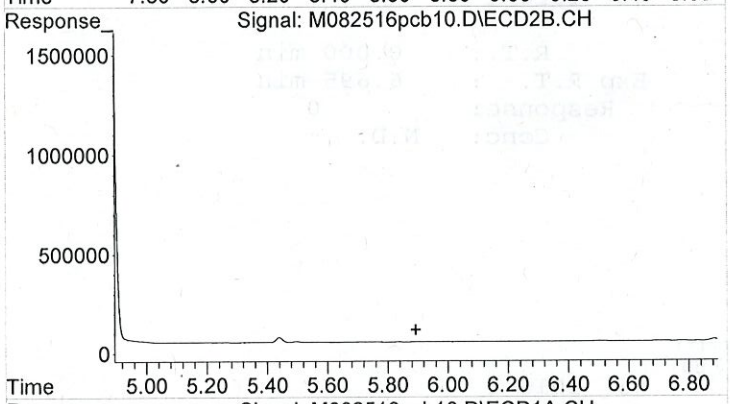
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



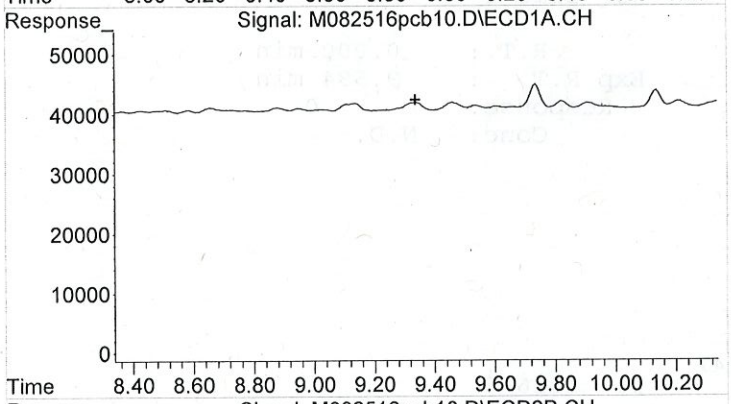
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



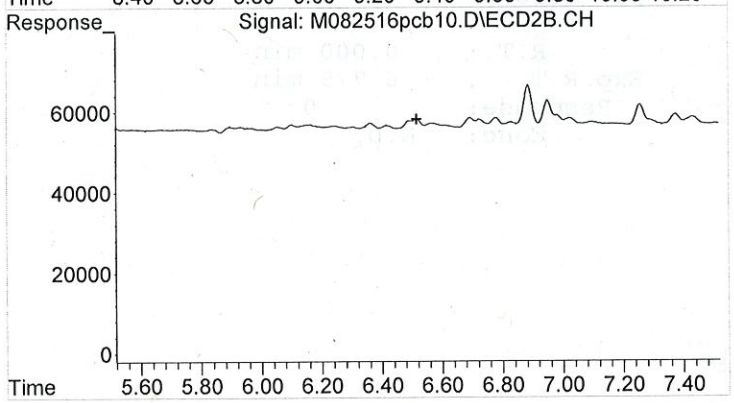
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



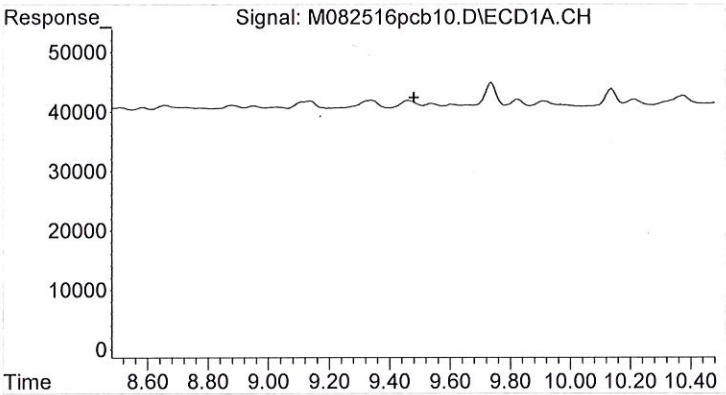
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



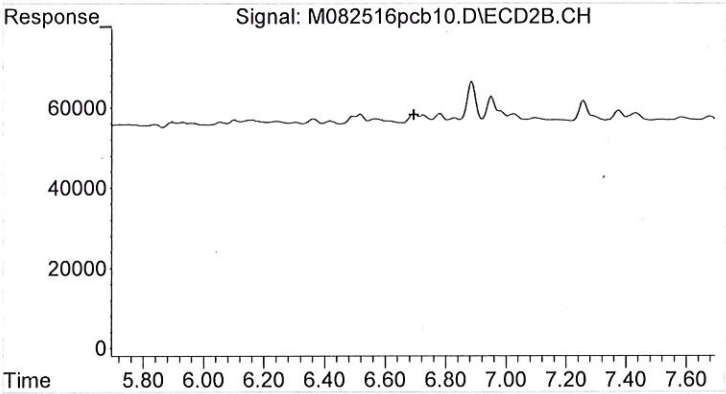
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



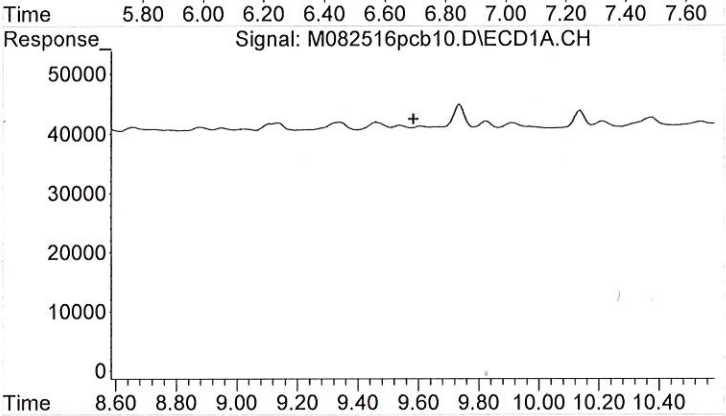
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



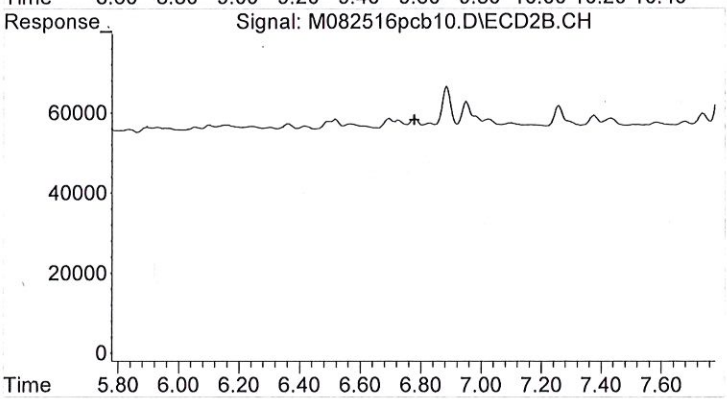
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



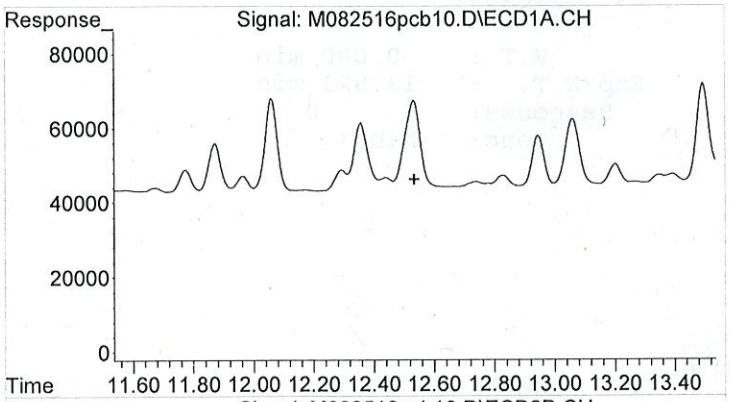
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



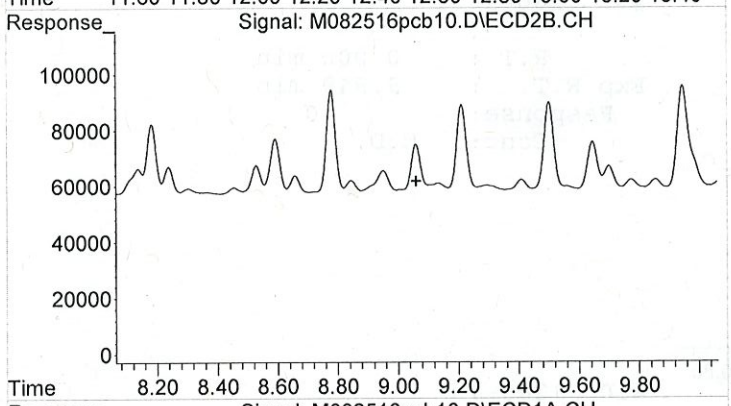
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



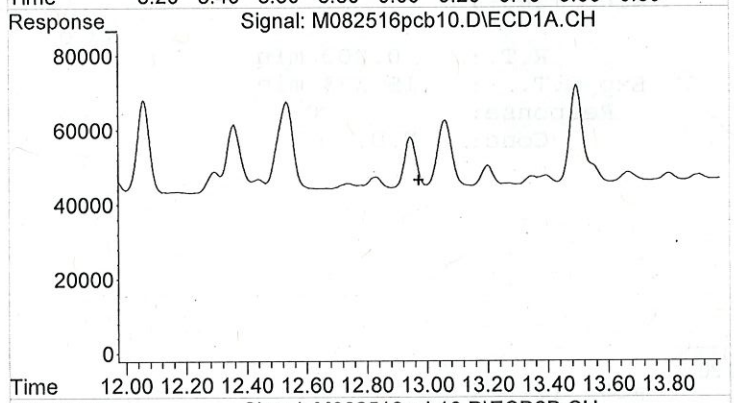
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



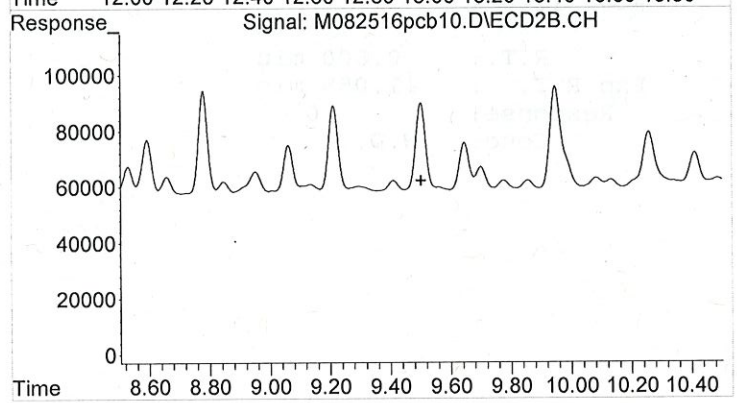
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



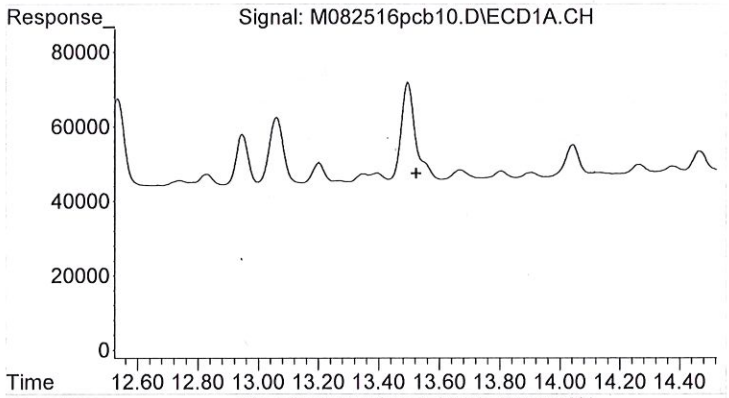
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



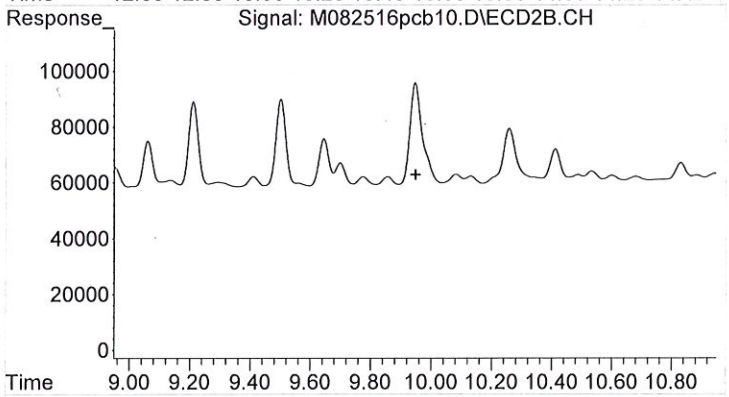
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



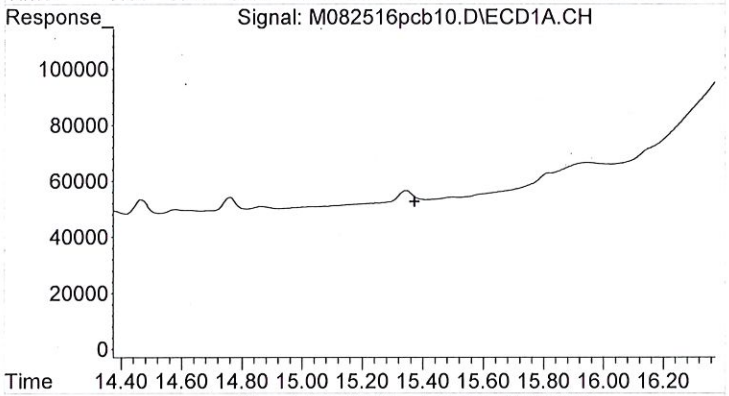
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



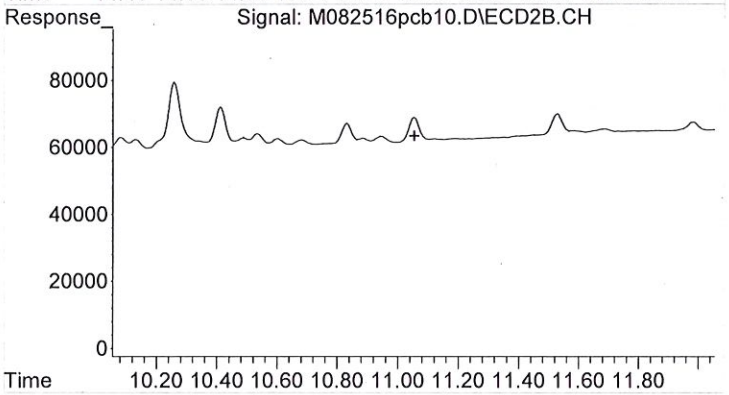
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



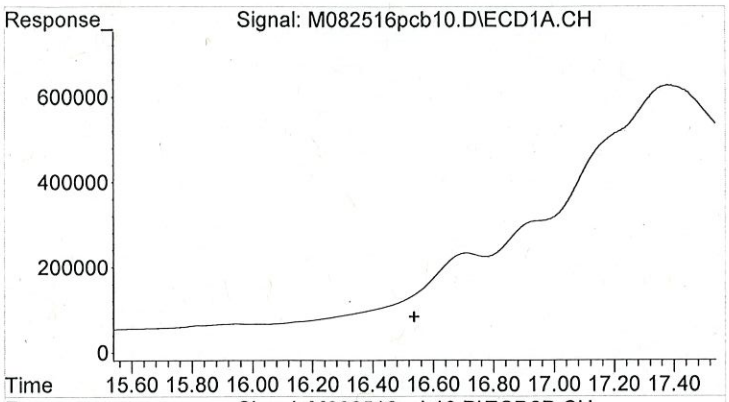
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



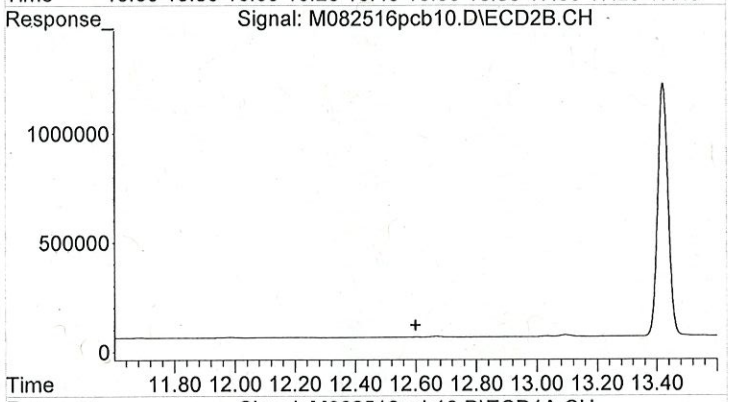
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



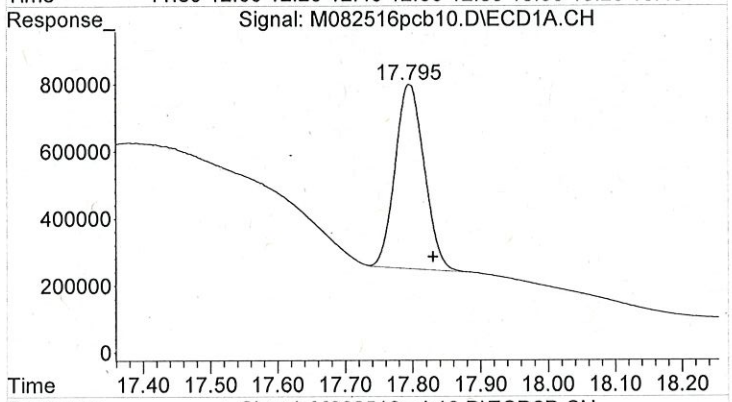
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



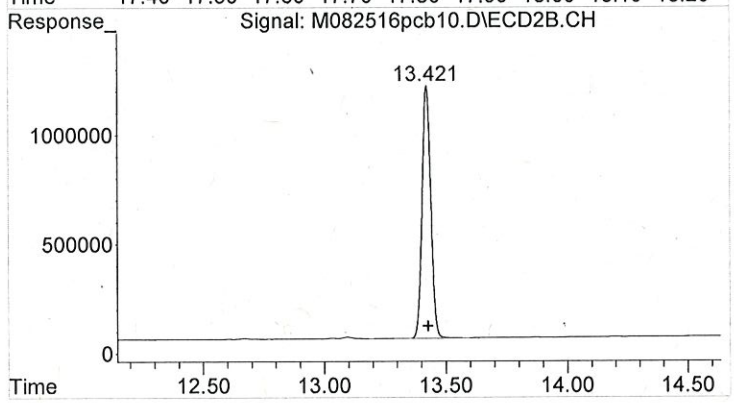
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.795 min
Delta R.T.: -0.035 min
Response: 548602
Conc: 47.97 pg/uL m



#12 dcb

R.T.: 13.422 min
Delta R.T.: -0.006 min
Response: 1153977
Conc: 54.19 pg/uL

Sample.....: 16334004
Data File....: M082516pcb11.D
Project.....: OCE-009B
Matrix.....: 42 - Wipe
Analyzed.....: 08/25/2016 12:07
Type.....: 0

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 11

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: Sky Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb11.D

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	250	tmx (1)	6.99	7.00	1053290		50	49	98	%Rec	
12	2.5	250	dcb	17.85	17.83	534593	m	50	47	93	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1871710		50	55	109	%Rec	
25	2.5	250	dcb #2	13.54	13.43	648695	m	50	30	60	%Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	0.25	ug (RL)	U
3	25	1000	1016-2	-	-	-	d	-	-	0.25	ug (RL)	U
4	25	1000	1016-3	-	-	-	d	-	-	0.25	ug (RL)	U
5	25	1000	1016-4	-	-	-	d	-	-	0.25	ug (RL)	U
6	25	1000	1016-5	-	-	-	d	-	-	0.25	ug (RL)	U
7	25	1000	1260-1	-	-	-	d	-	-	0.25	ug (RL)	U
8	25	1000	1260-2	-	-	-	d	-	-	0.25	ug (RL)	U
9	25	1000	1260-3	-	-	-	d	-	-	0.25	ug (RL)	U
10	25	1000	1260-4	-	-	-	d	-	-	0.25	ug (RL)	U
11	25	1000	1260-5	-	-	-	d	-	-	0.25	ug (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
16	25	1000	1016-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
17	25	1000	1016-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
18	25	1000	1016-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
19	25	1000	1016-5 #2	-	-	-	d	-	-	0.25	ug (RL)	U
20	25	1000	1260-1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
21	25	1000	1260-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
22	25	1000	1260-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
23	25	1000	1260-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
24	25	1000	1260-5 #2	-	-	-	d	-	-	0.25	ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD²
12674112	1016 Column 1	0.25	ug (RL)	0	NA	Results will be reported from Column 2
12674112	1016 Column 2	0.25	ug (RL)	0	NA	
11096825	1260 Column 1	0.25	ug (RL)	0	NA	
11096825	1260 Column 2	0.25	ug (RL)	0	NA	

¹'Amount' units are pg or pg/uL on column. ²RPD (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\M082516PCBDW\
Data File : M082516pcb11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:07 pm
Operator : DWOOD
Sample : 16334004
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:44:38 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.992	4.889	1053291	1871713	48.935	54.615
12) S2 dcb	17.854	13.542f	534593	648695	46.724m	30.227m#
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.

lw
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:07 pm
Operator : DWOOD
Sample : 16334004
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:47:45 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.992	4.889	1053291	1871713	48.935	54.615	
12) S2 dcb	17.855	13.410	593045	47838	51.924	1.736	#
Target Compounds							
2) L1 1016 -1	0.000	5.439	0	53131	N.D.	70.503	#
3) L1 1016-2	0.000	5.917	0	26551	N.D.	16.775	#
4) L1 1016-3	9.350	6.501	25080	9105	31.636	0.123	#
5) L1 1016-4	9.466	6.705	25668	24086	52.647	18.476	#
6) L1 1016-5	0.000	6.768	0	9865	N.D.	8.591	#
Sum 1016 -1			50748	122737	84.283	114.469	
Average 1016 -1					42.142	22.894	
7) L2 1260-1	12.559	9.062	42746	40652	37.482	20.049	#
8) L2 1260-2	12.983	9.482	36466	27375	24.458	6.413	#
9) L2 1260-3	13.528	0.000	51479	0	39.851	N.D.	#
10) L2 1260-4	15.366	11.008	54340	639651	68.504	222.565	#
11) L2 1260-5	16.538	12.590	57962	52841	123.936	70.288	#
Sum 1260-1			242994	760519	294.231	319.315	
Average 1260-1					58.846	79.829	

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

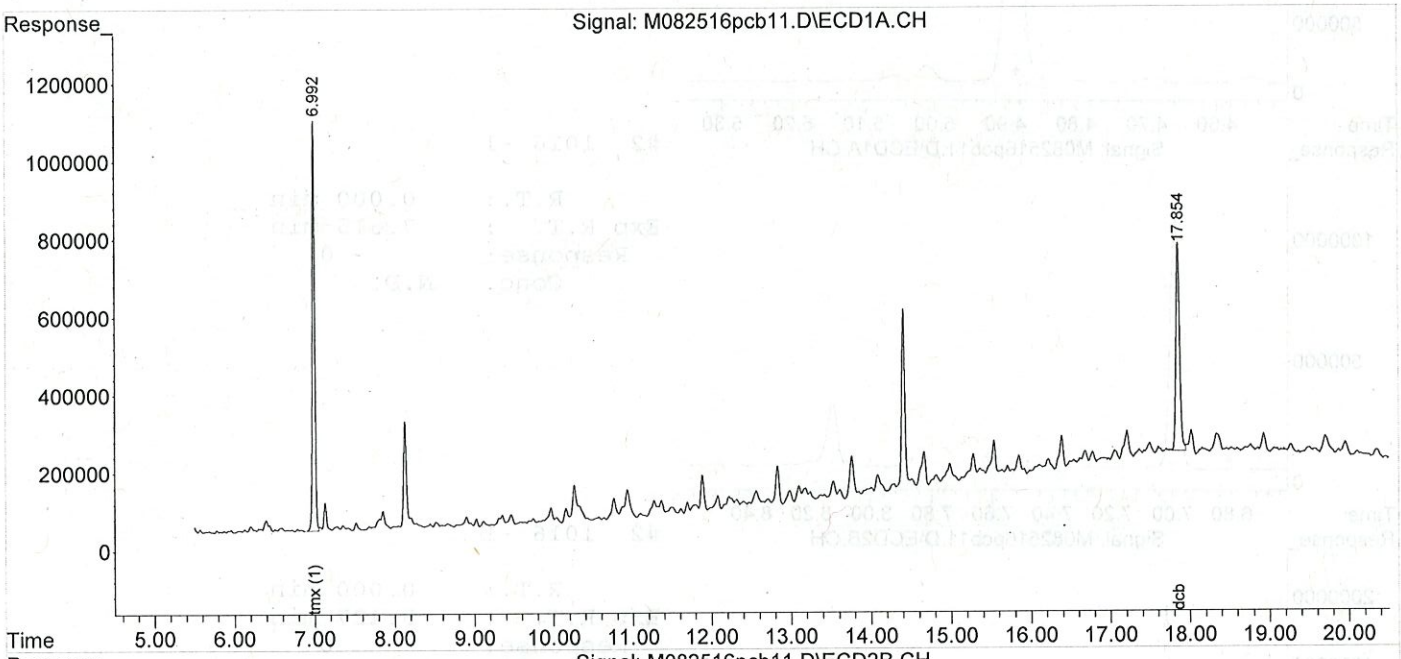
9/19/16

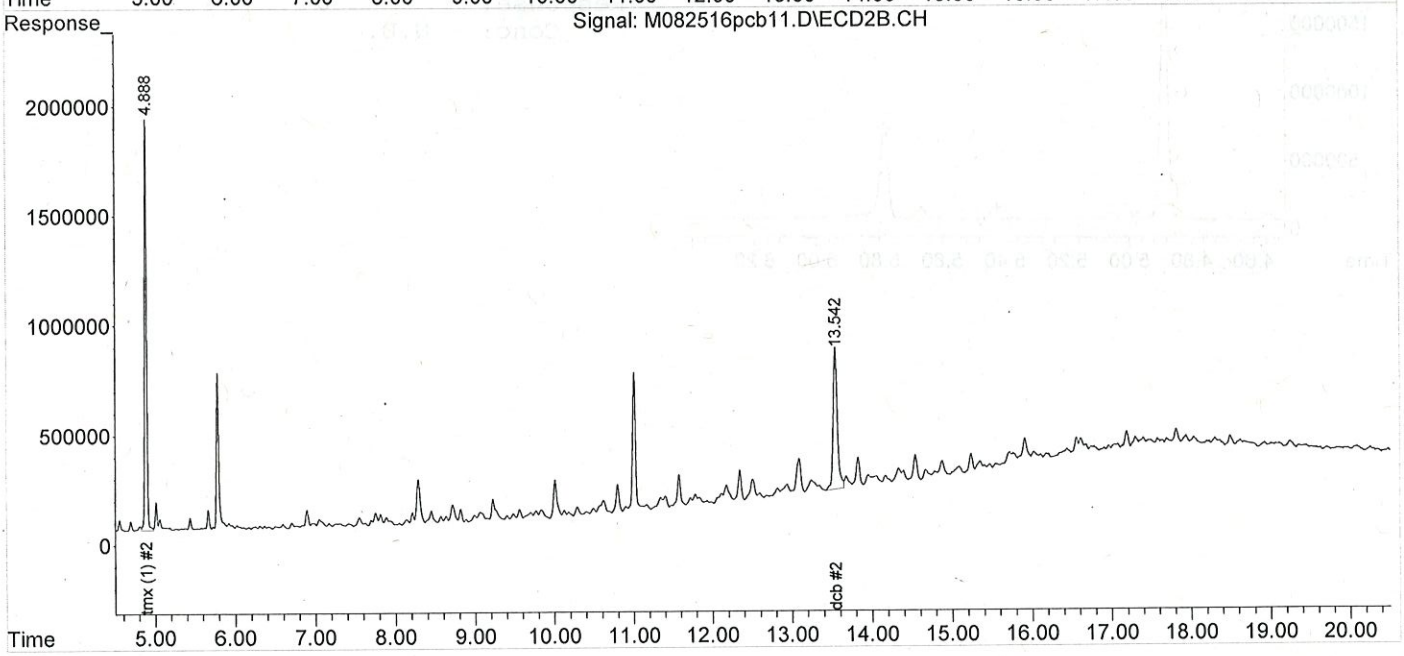
Quantitation Report (QT Reviewed)

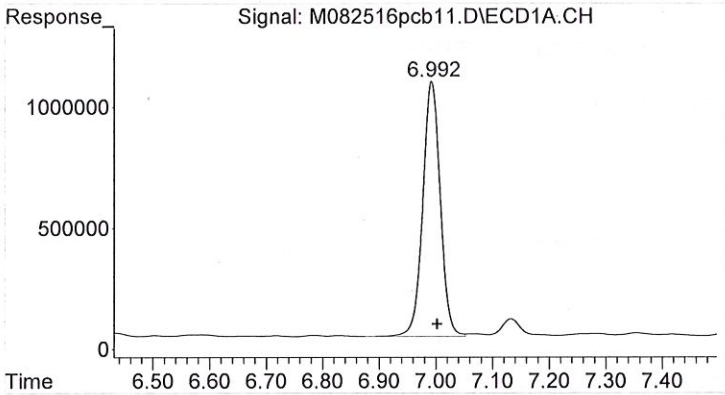
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:07 pm
Operator : DWOOD
Sample : 16334004
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:44:38 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

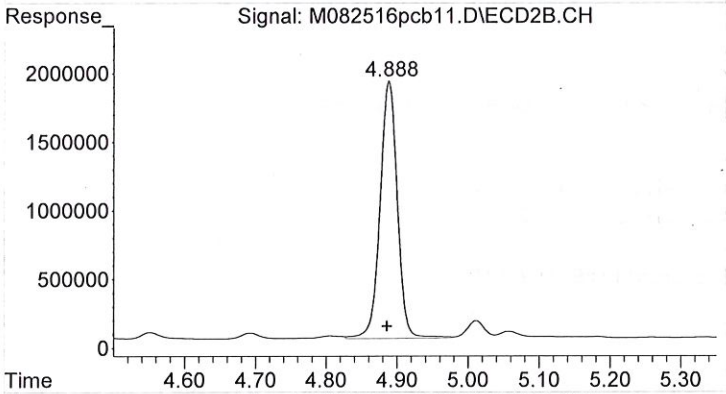






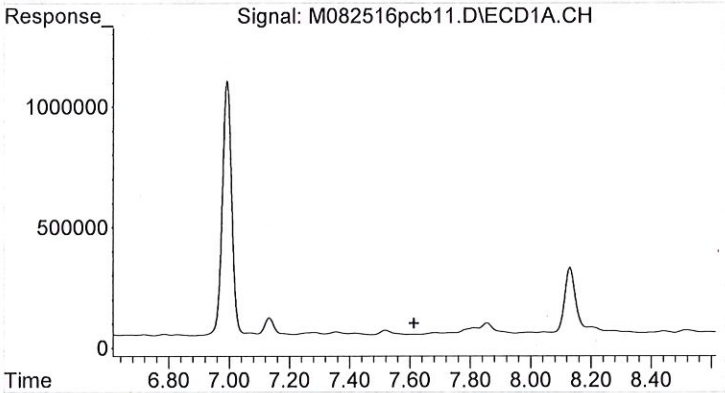
#1 tmx (1)

R.T.: 6.992 min
Delta R.T.: -0.011 min
Response: 1053291
Conc: 48.93 pg/uL



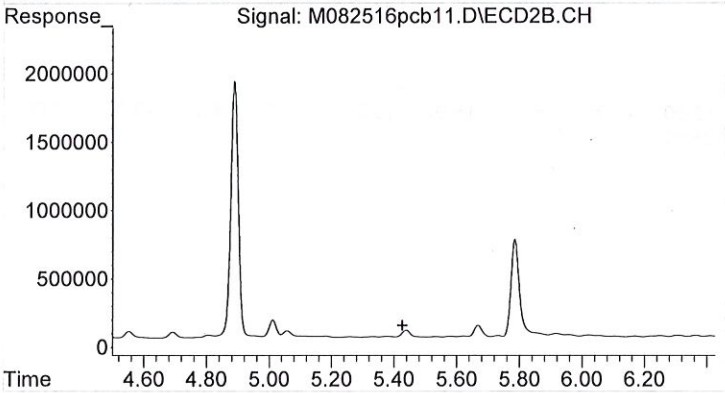
#1 tmx (1)

R.T.: 4.889 min
Delta R.T.: 0.003 min
Response: 1871713
Conc: 54.61 pg/uL



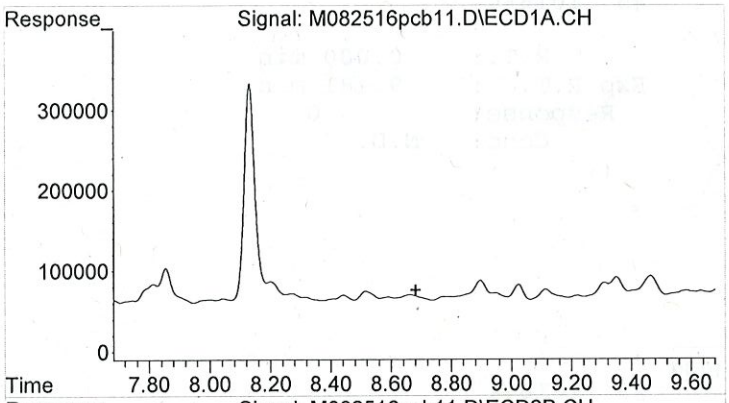
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



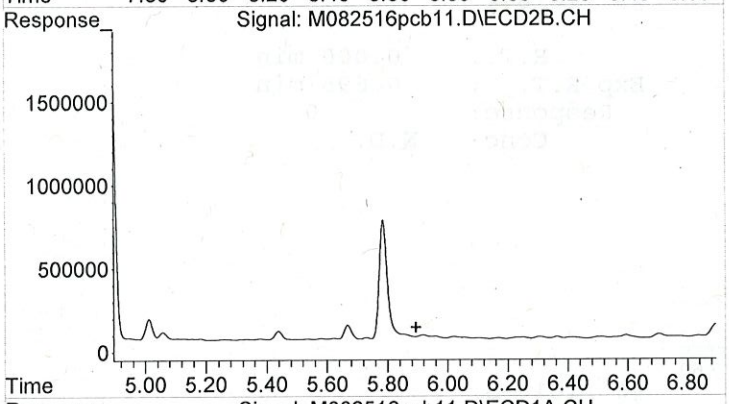
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



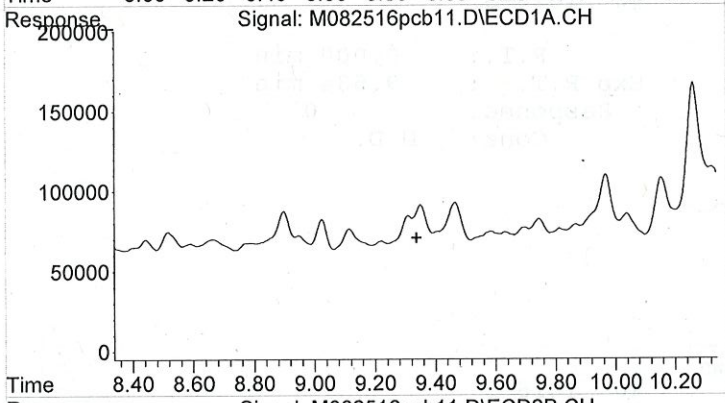
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



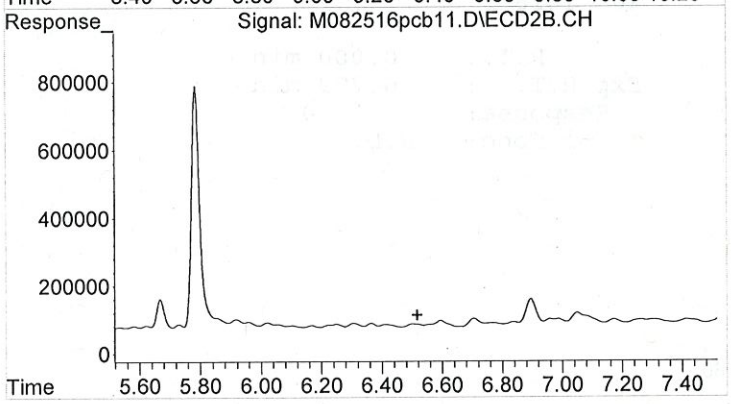
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



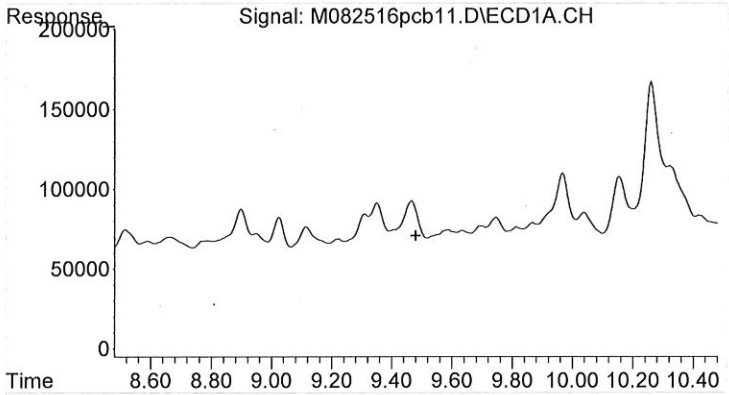
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



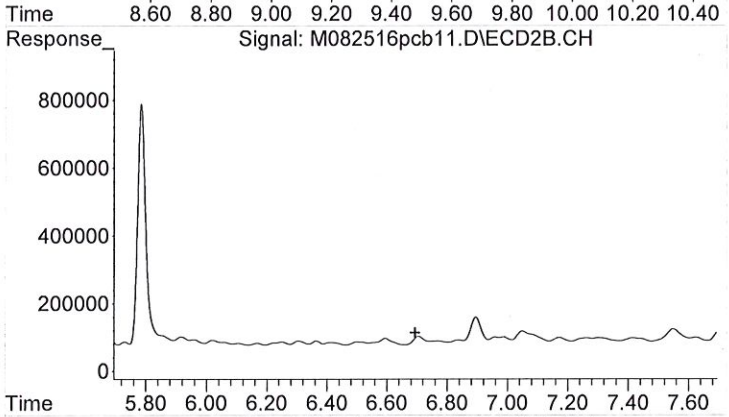
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



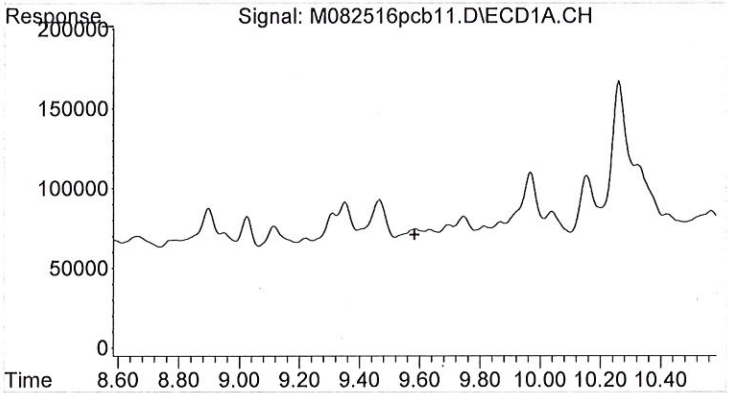
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



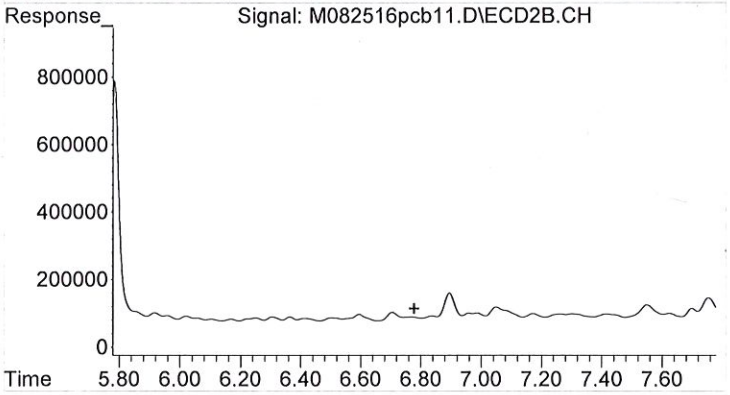
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



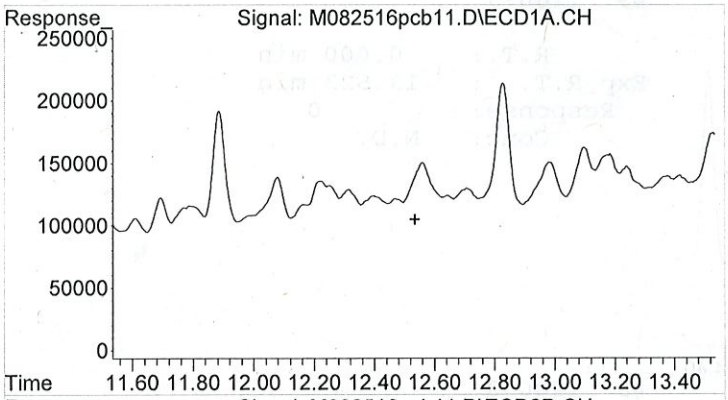
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



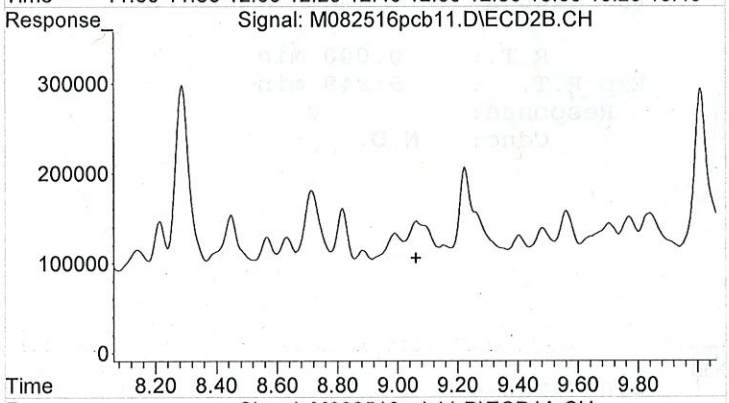
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



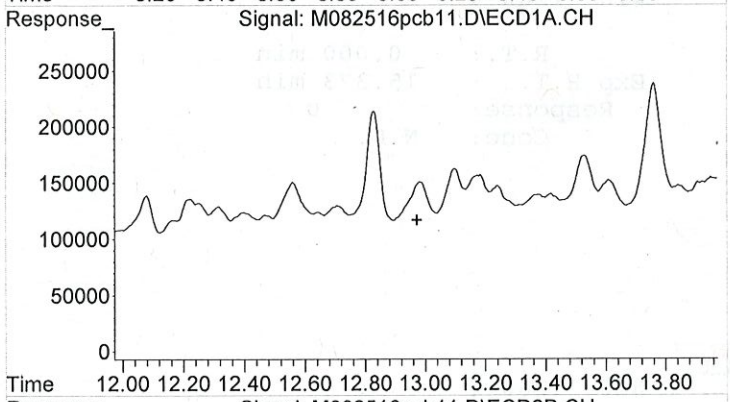
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



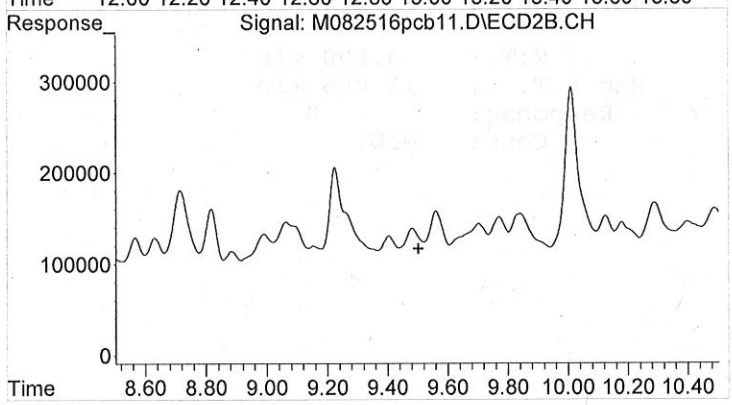
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



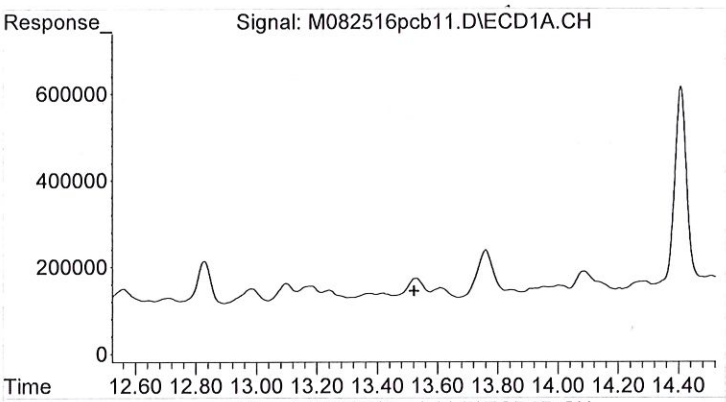
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



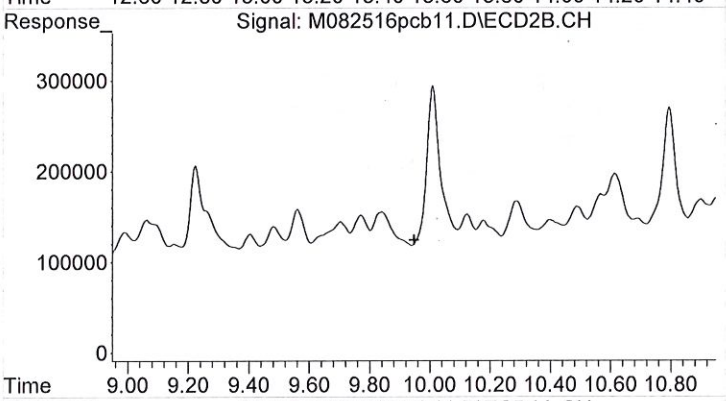
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



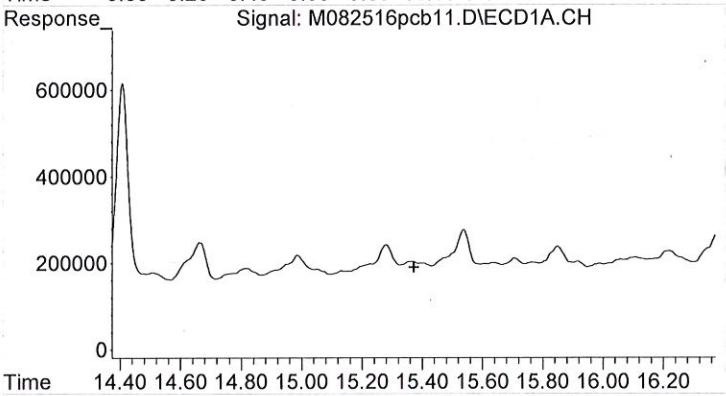
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



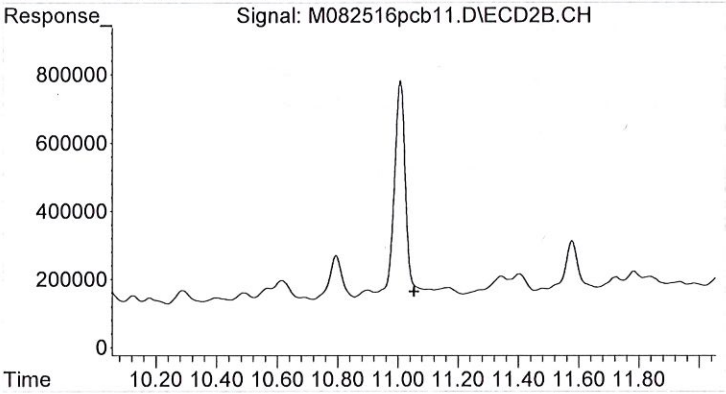
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



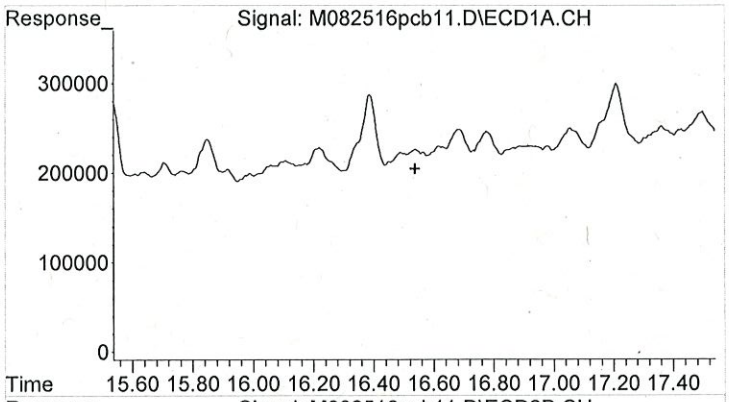
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



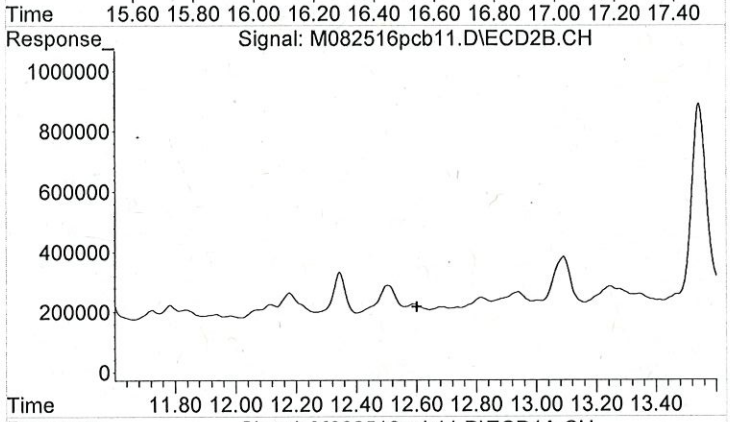
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



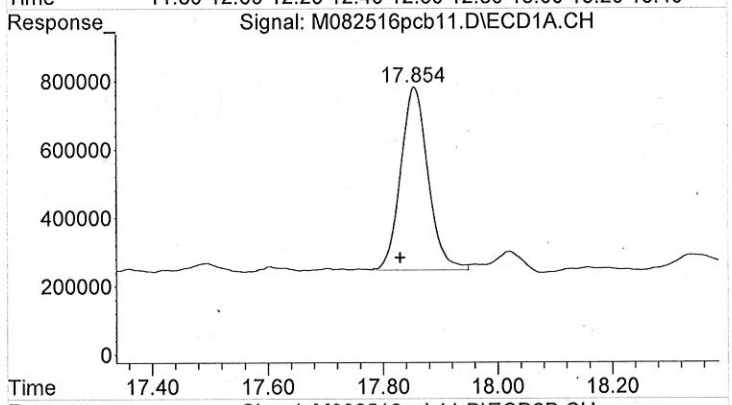
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



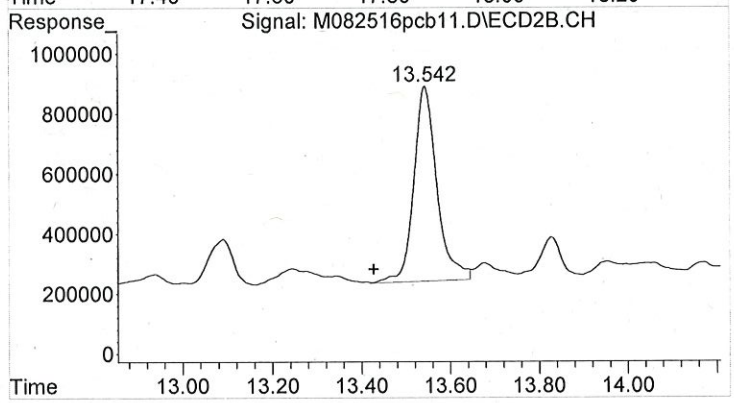
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.854 min
Delta R.T.: 0.024 min
Response: 534593
Conc: 46.72 pg/uL m



#12 dcb

R.T.: 13.542 min
Delta R.T.: 0.114 min
Response: 648695
Conc: 30.23 pg/uL m

- Blanks
    a. Custom Report, if available
    b. Quan Report (Quant – Generate Report – Detailed, only hits)
    c. Detailed Graphics (Detailed Report + Thumbnail)

Sample.....: 920082416B1
Data File....: M082516pcb04.D
Project.....: OCE-009B
Matrix.....: 42 - Wipe
Analyzed.....: 08/25/2016 9:14
Type.....: BL
Additional Info..: Sky Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb04.D

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 4

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 10 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	250	tmx (1)	6.98	7.00	1043080		50	48	97 %Rec	
12	2.5	250	dcb	17.77	17.83	540628		50	47	95 %Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1790940		50	52	104 %Rec	
25	2.5	250	dcb #2	13.43	13.43	1005390		50	47	94 %Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	0.25 ug (RL)	U
3	25	1000	1016-2	-	-	-		-	-	0.25 ug (RL)	U
4	25	1000	1016-3	-	-	-		-	-	0.25 ug (RL)	U
5	25	1000	1016-4	-	-	-		-	-	0.25 ug (RL)	U
6	25	1000	1016-5	-	-	-		-	-	0.25 ug (RL)	U
7	25	1000	1260-1	-	-	-		-	-	0.25 ug (RL)	U
8	25	1000	1260-2	-	-	-		-	-	0.25 ug (RL)	U
9	25	1000	1260-3	-	-	-		-	-	0.25 ug (RL)	U
10	25	1000	1260-4	-	-	-		-	-	0.25 ug (RL)	U
11	25	1000	1260-5	-	-	-	d	-	-	0.25 ug (RL)	U
15	25	1000	1016 -1 #2	-	-	-	d	-	-	0.25 ug (RL)	U
16	25	1000	1016-2 #2	-	-	-		-	-	0.25 ug (RL)	U
17	25	1000	1016-3 #2	-	-	-		-	-	0.25 ug (RL)	U
18	25	1000	1016-4 #2	-	-	-		-	-	0.25 ug (RL)	U
19	25	1000	1016-5 #2	-	-	-		-	-	0.25 ug (RL)	U
20	25	1000	1260-1 #2	-	-	-		-	-	0.25 ug (RL)	U
21	25	1000	1260-2 #2	-	-	-		-	-	0.25 ug (RL)	U
22	25	1000	1260-3 #2	-	-	-		-	-	0.25 ug (RL)	U
23	25	1000	1260-4 #2	-	-	-		-	-	0.25 ug (RL)	U
24	25	1000	1260-5 #2	-	-	-	d	-	-	0.25 ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD²
12674112	1016 Column 1	0.25	ug (RL)	0	NA	Results will be reported from Column 2
12674112	1016 Column 2	0.25	ug (RL)	0	NA	
11096825	1260 Column 1	0.25	ug (RL)	0	NA	
11096825	1260 Column 2	0.25	ug (RL)	0	NA	

¹'Amount' units are pg or pg/uL on column. ²RPD (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\M082516PCBDW\
Data File : M082516pcb04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:14 am
Operator : DWOOD
Sample : 920082416B1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:33:45 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.977	4.887	1043083	1790939	48.455	52.217
12) S2 dcb	17.770	13.426	540628	1005385	47.261	47.140
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.	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	0.000	0	0	N.D.	N.D.
8) L2 1260-2	0.000	0.000	0	0	N.D.	N.D.
9) L2 1260-3	0.000	0.000	0	0	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. 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.

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:14 am
Operator : DWOOD
Sample : 92O082416B1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:02 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.977	4.887	1043083	1790939	48.455	52.217	
12)	S2 dcb	17.770	13.426	540628	1005385	47.261	47.140	
	Target Compounds							
2)	L1 1016 -1	0.000	5.441	0	~~22357~~	N.D.	24.251	#
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	22357	N.D.	24.251	
	Average 1016 -1					0.000	24.251	
7)	L2 1260-1	0.000	0.000	0	0	N.D.	N.D.	
8)	L2 1260-2	0.000	0.000	0	0	N.D.	N.D.	
9)	L2 1260-3	0.000	0.000	0	0	N.D.	N.D.	
10)	L2 1260-4	0.000	0.000	0	0	N.D.	N.D.	
11)	L2 1260-5	0.000	12.603	0	~~4529~~	N.D.	3.605	#
	Sum 1260-1			0	4529	N.D.	3.605	
	Average 1260-1					0.000	3.605	

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

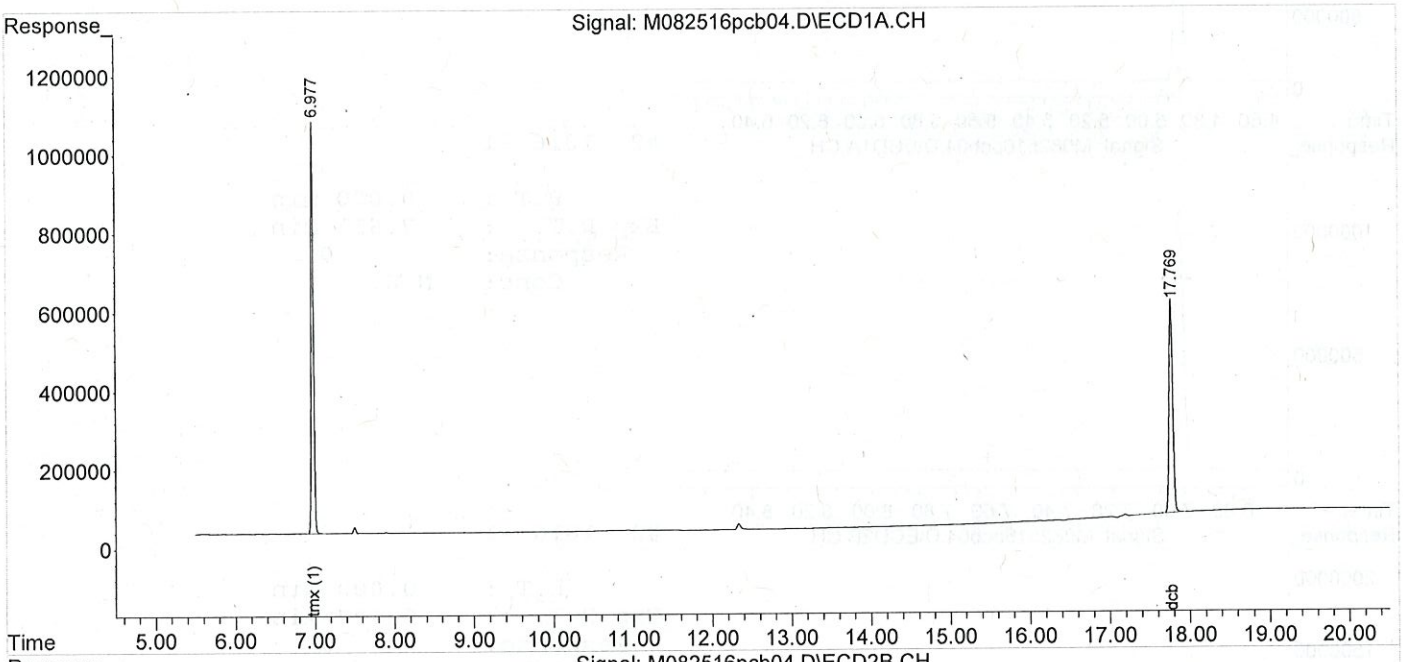
9/19/16

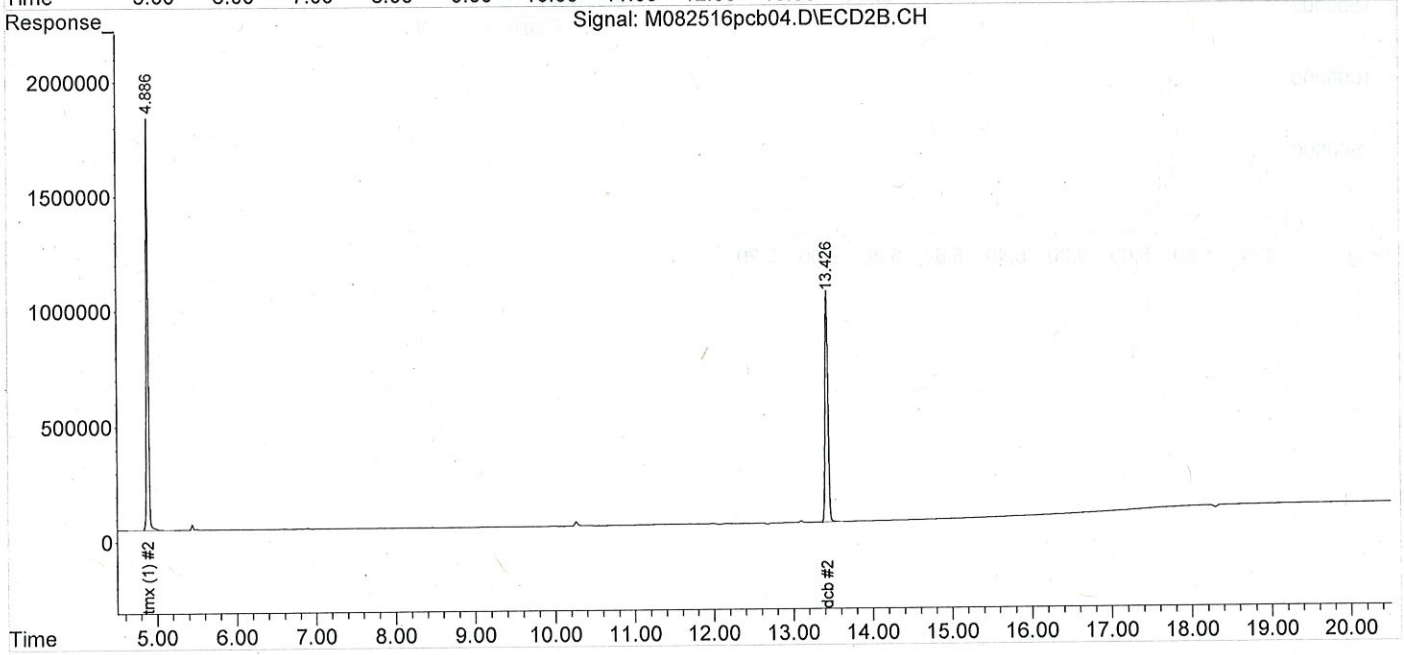
Quantitation Report (QT Reviewed)

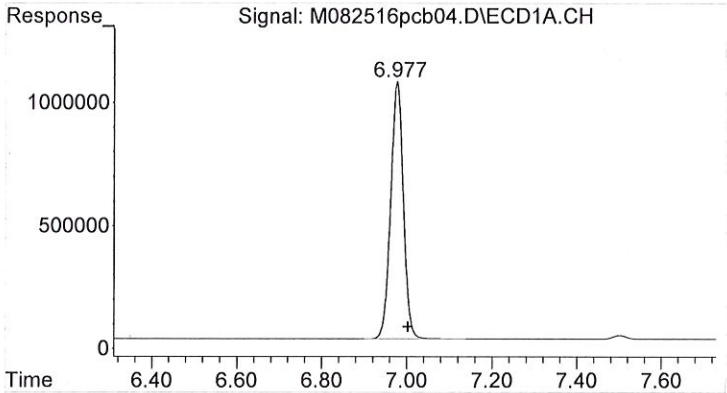
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:14 am
Operator : DWOOD
Sample : 92O082416B1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:33:45 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

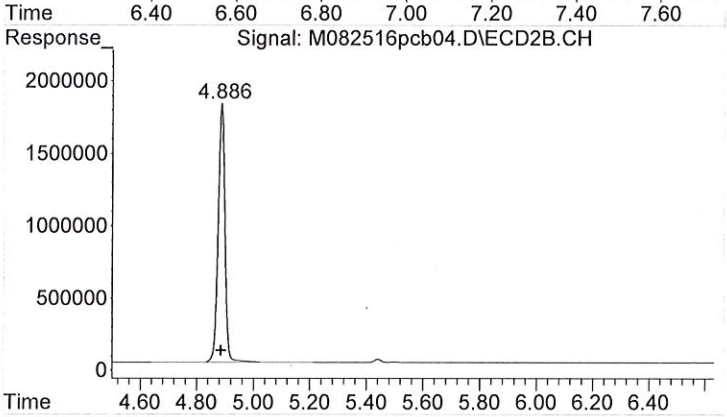






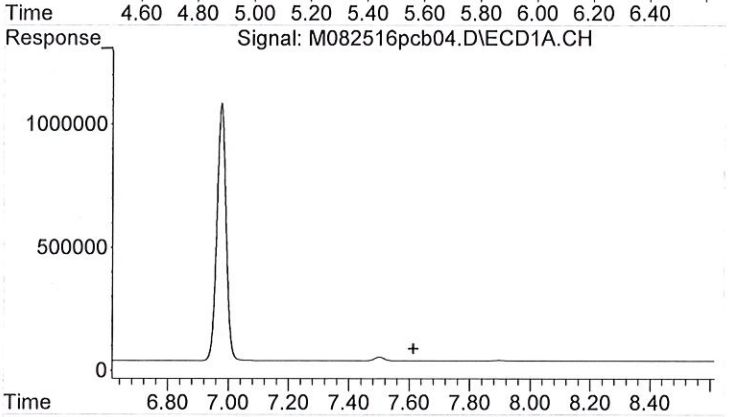
#1 tmx (1)

R.T.: 6.977 min
Delta R.T.: -0.026 min
Response: 1043083
Conc: 48.45 pg/uL



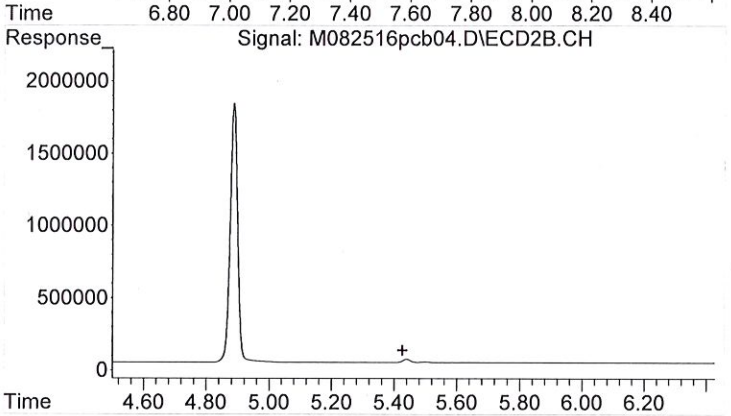
#1 tmx (1)

R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 1790939
Conc: 52.22 pg/uL



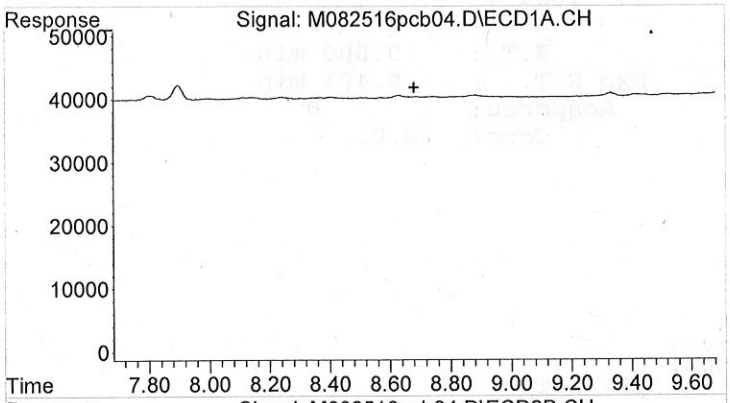
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



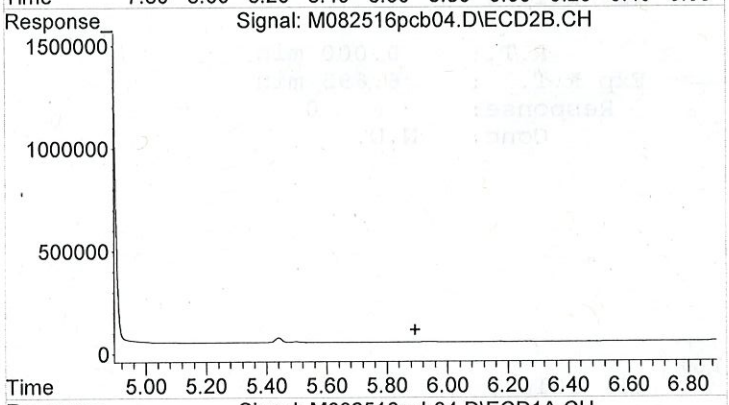
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



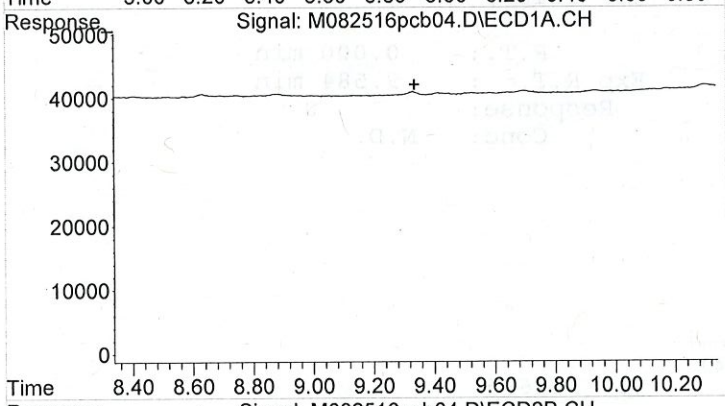
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



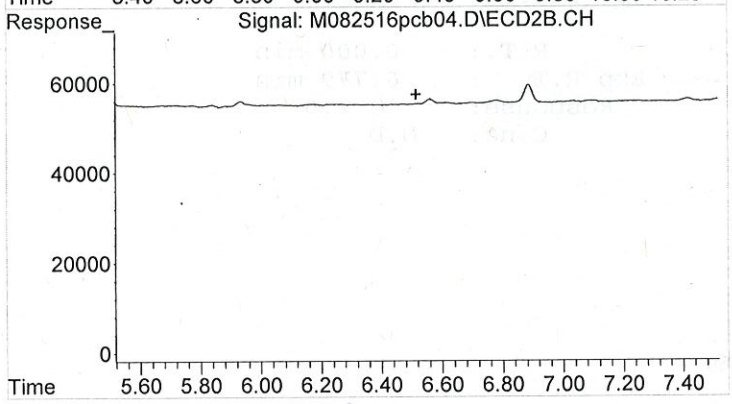
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



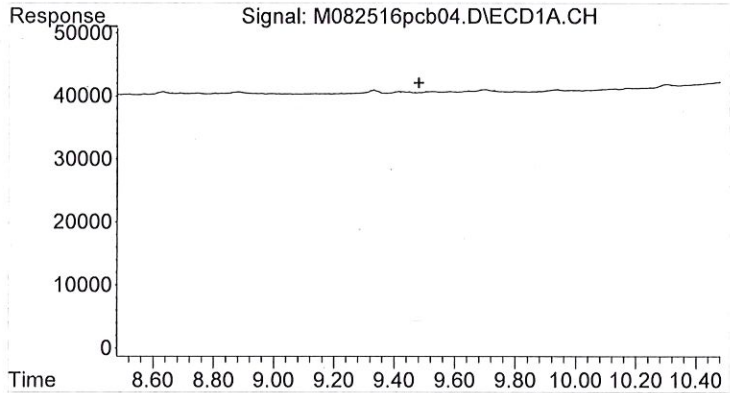
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



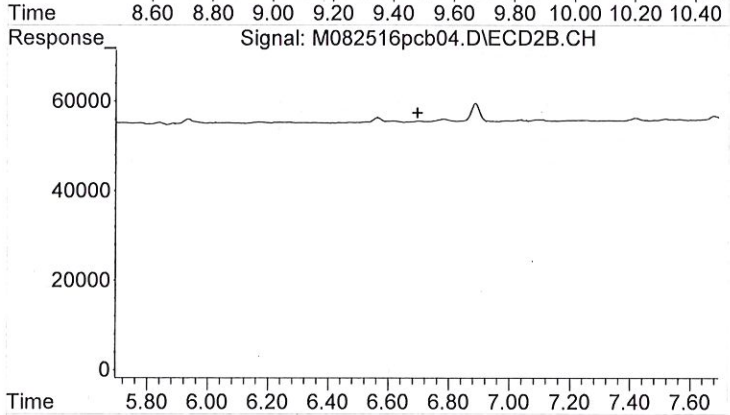
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



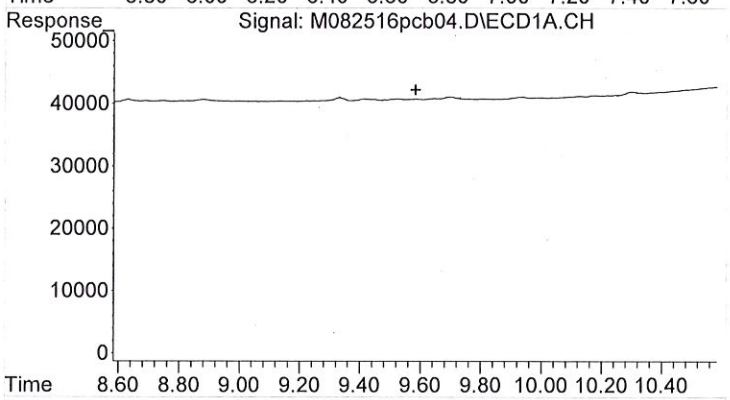
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



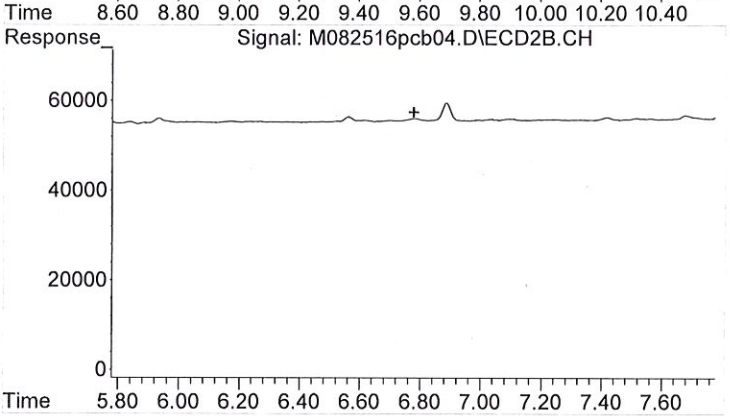
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



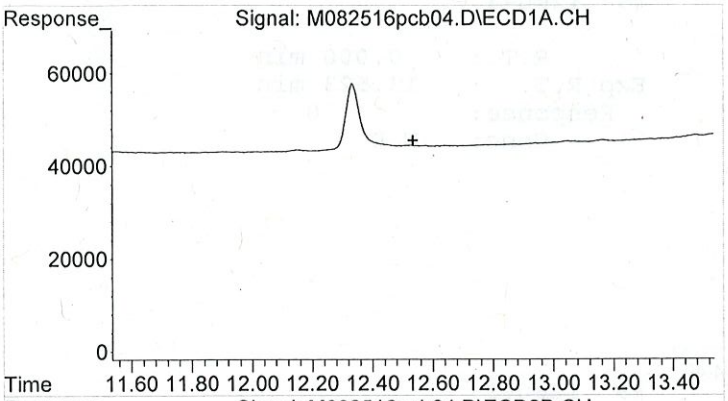
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



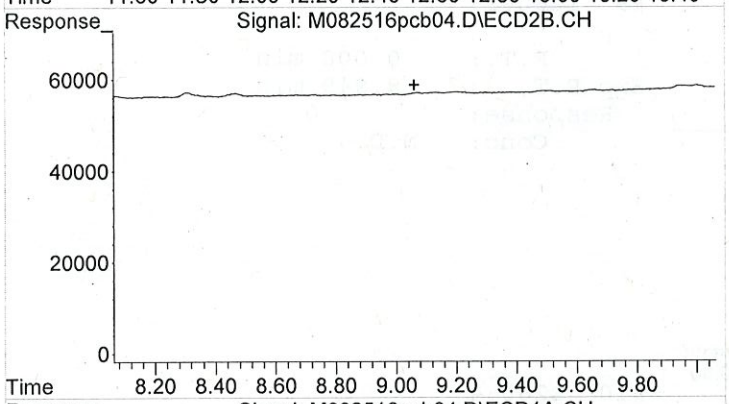
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



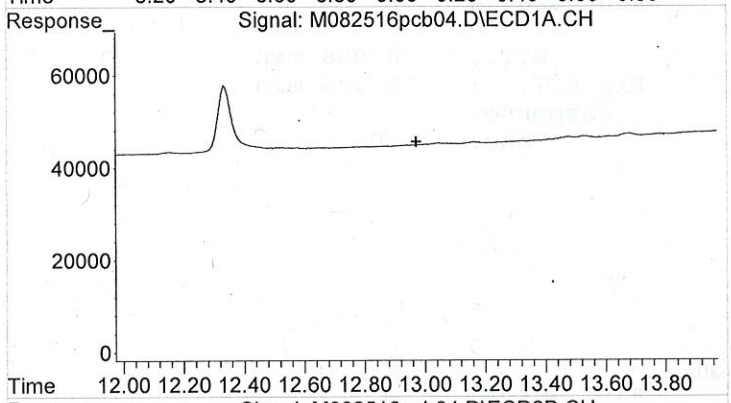
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



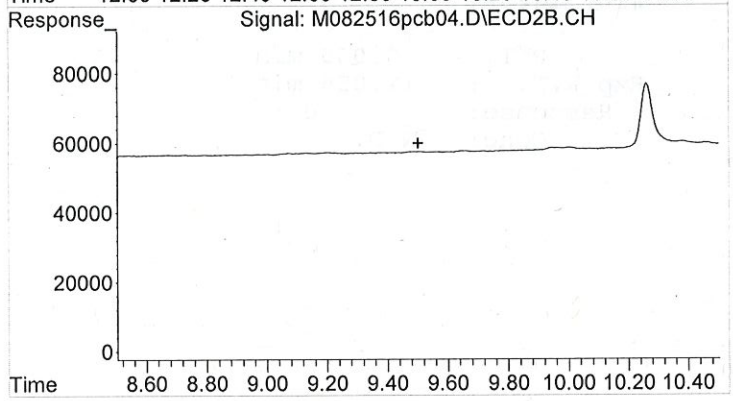
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



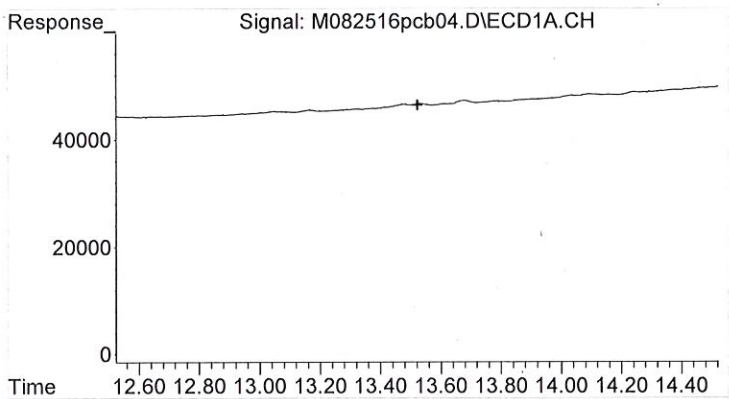
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



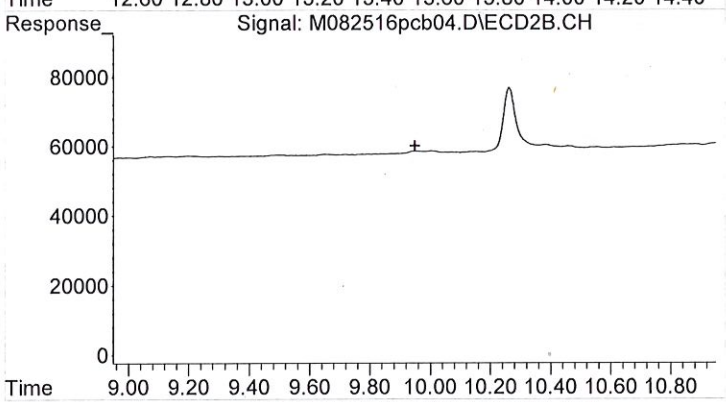
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



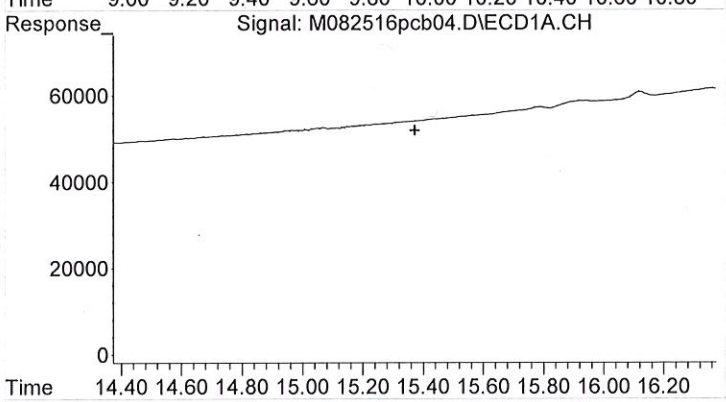
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



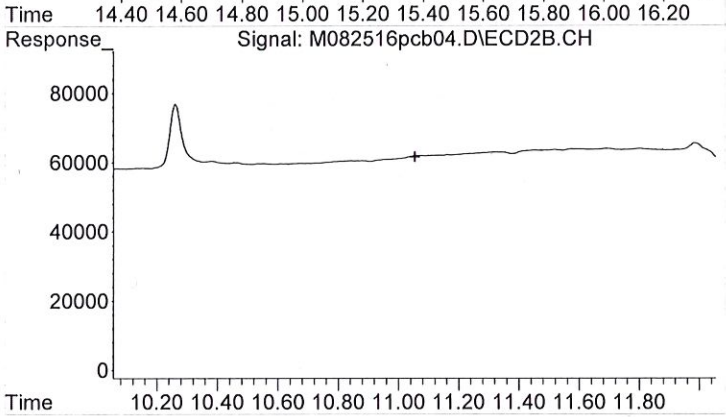
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



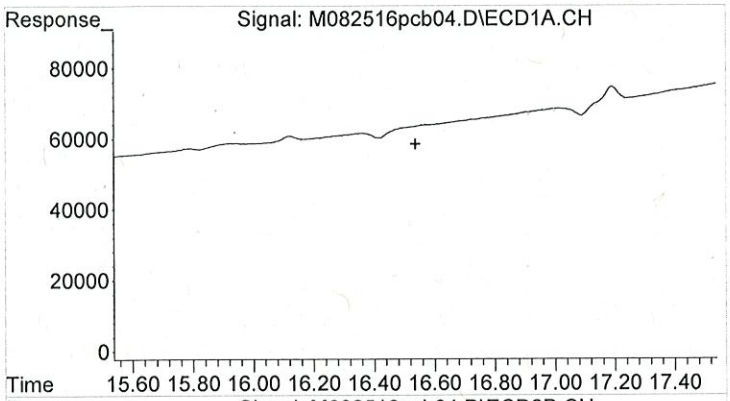
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



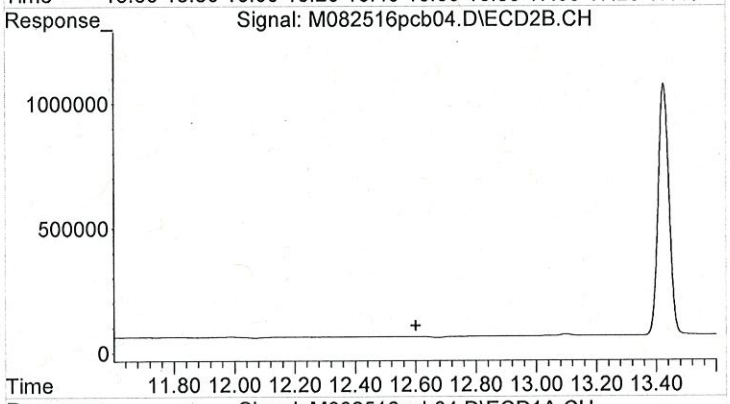
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



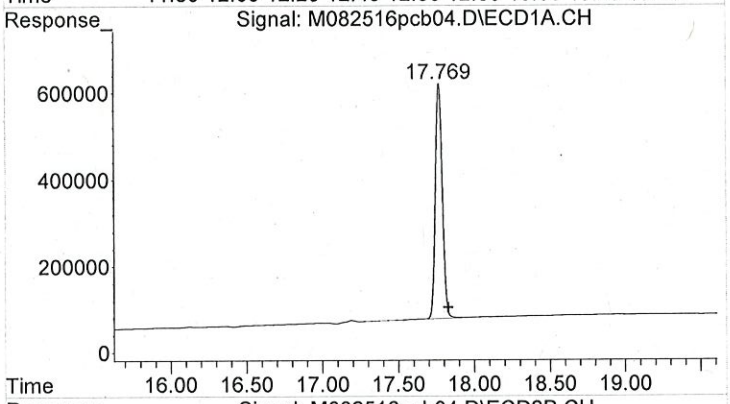
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



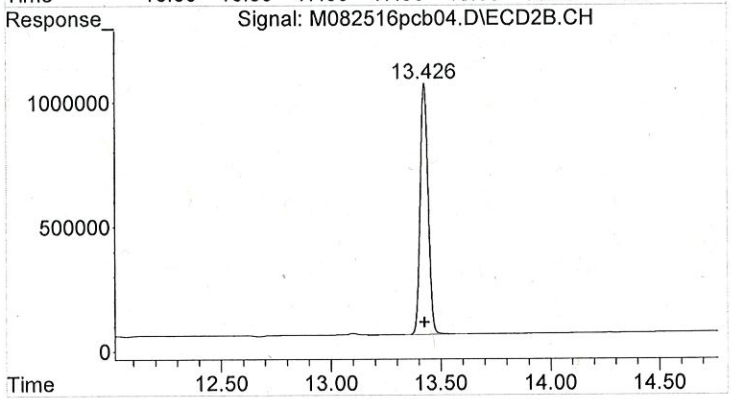
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.770 min
Delta R.T.: -0.060 min
Response: 540628
Conc: 47.26 pg/uL



#12 dcb

R.T.: 13.426 min
Delta R.T.: -0.002 min
Response: 1005385
Conc: 47.14 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 8:25 am
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:31:17 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.980	4.885	2077399	3489114	97.098	102.621
12) S2 dcb	17.768	13.425	1085792	2020487	95.759	95.273
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.	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	0.000	0	0	N.D.	N.D.
8) L2 1260-2	0.000	0.000	0	0	N.D.	N.D.
9) L2 1260-3	0.000	0.000	0	0	N.D.	N.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.	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.

lw
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 8:25 am
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:45:34 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.980	4.885	2077399	3489114	97.098	102.621
12) S2 dcb	17.768	13.425	1085792	2020487	95.759	95.273
Target Compounds						
2) L1 1016 -1	0.000	5.439	0	~~43955~~	N.D.	56.713 #
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	43955	N.D.	56.713
Average 1016 -1					0.000	56.713
7) L2 1260-1	0.000	0.000	0	0	N.D.	N.D.
8) L2 1260-2	0.000	0.000	0	0	N.D.	N.D.
9) L2 1260-3	0.000	0.000	0	0	N.D.	N.D.
10) L2 1260-4	0.000	11.055	0	~~2776~~	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.

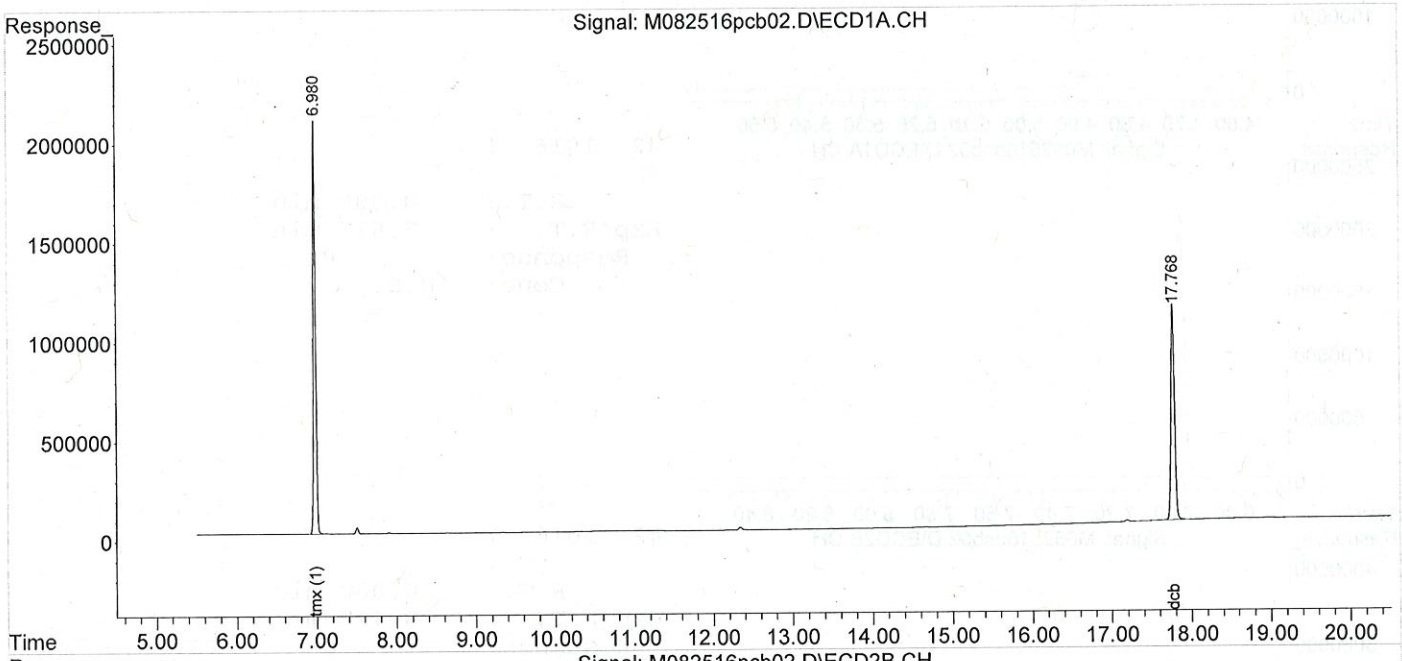
9/19/16

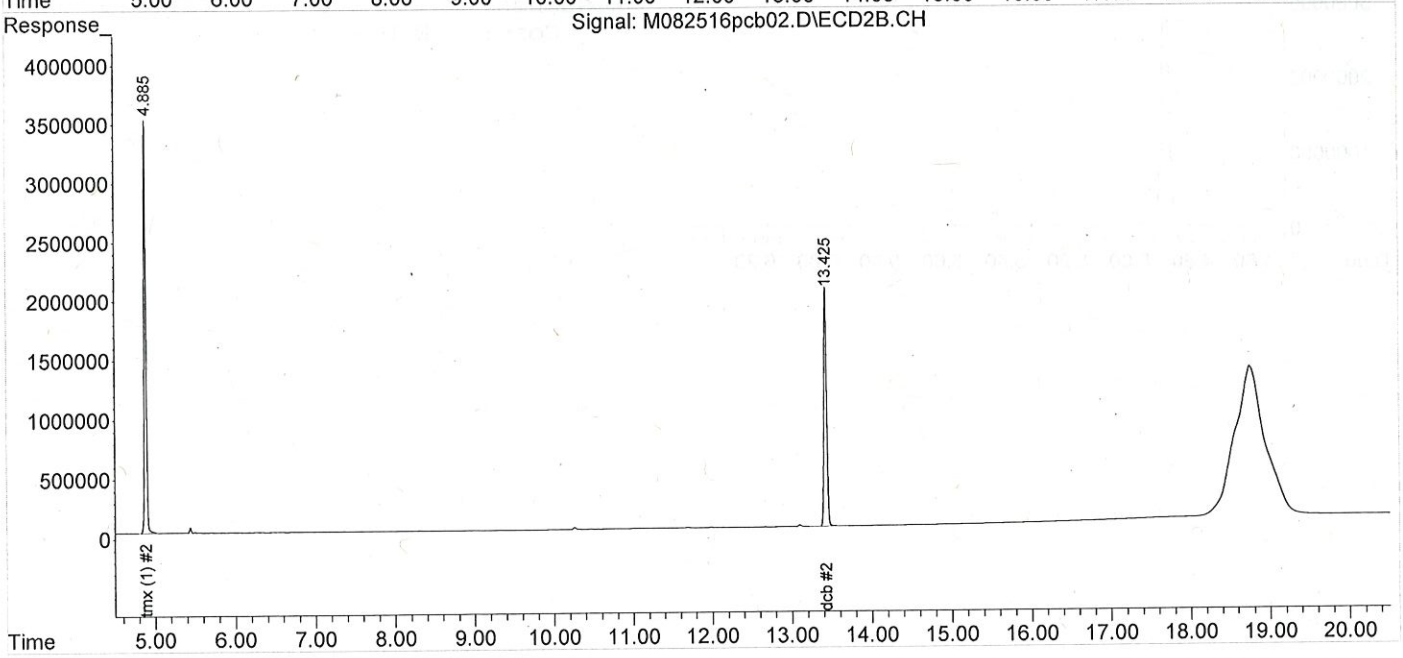
Quantitation Report (QT Reviewed)

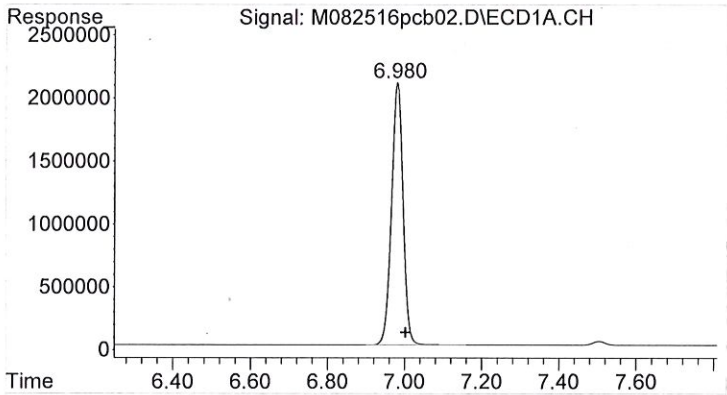
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 8:25 am
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:31:17 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

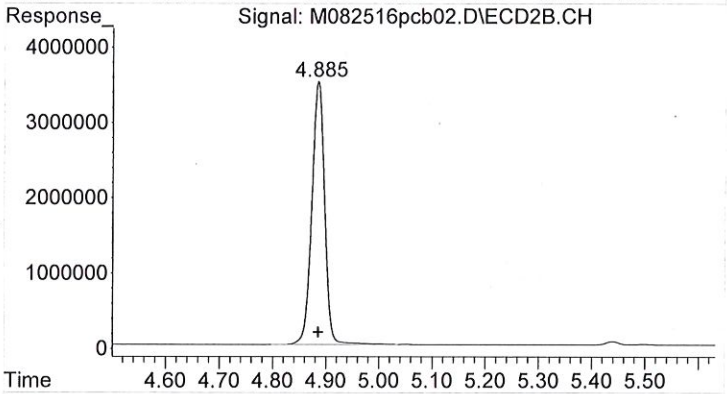






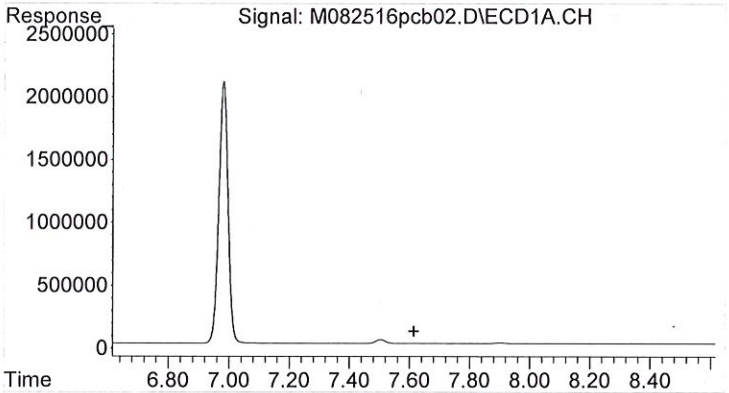
#1 tmx (1)

R.T.: 6.980 min
Delta R.T.: -0.023 min
Response: 2077399
Conc: 97.10 pg/uL



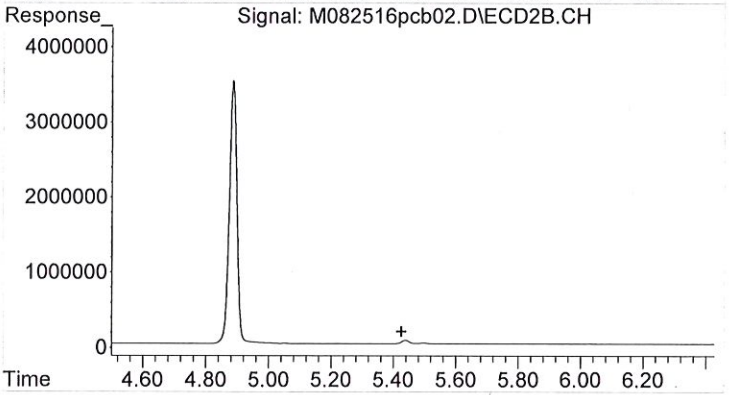
#1 tmx (1)

R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 3489114
Conc: 102.62 pg/uL



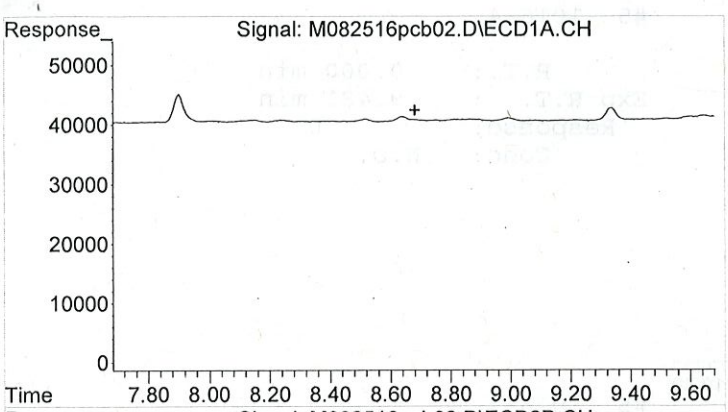
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



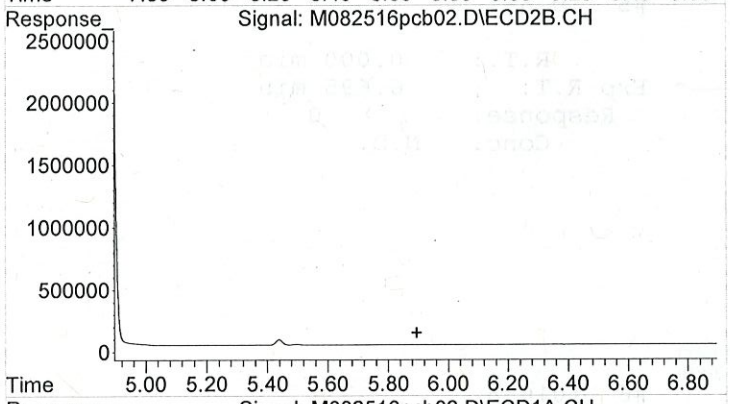
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



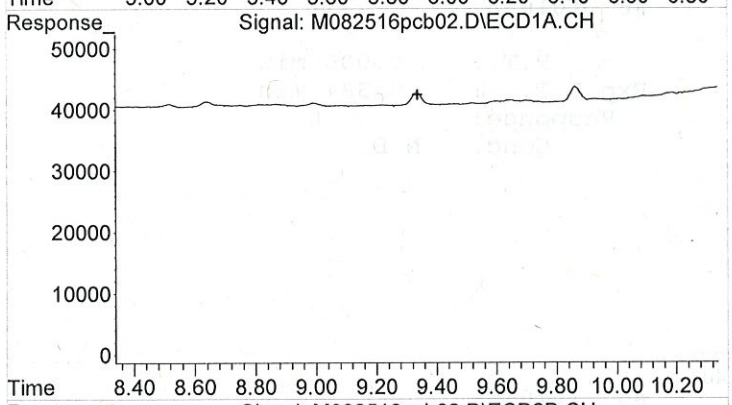
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



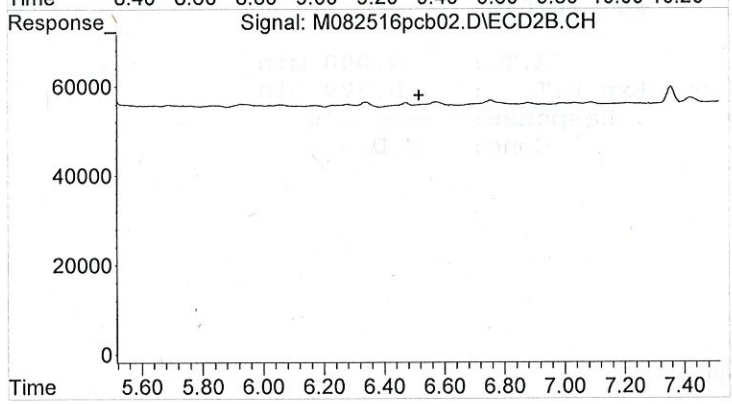
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



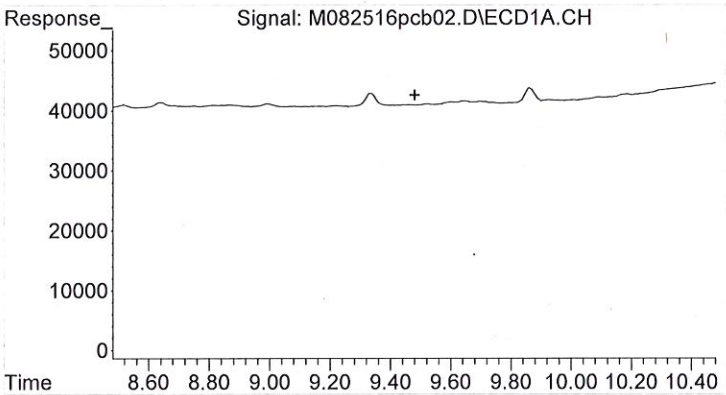
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



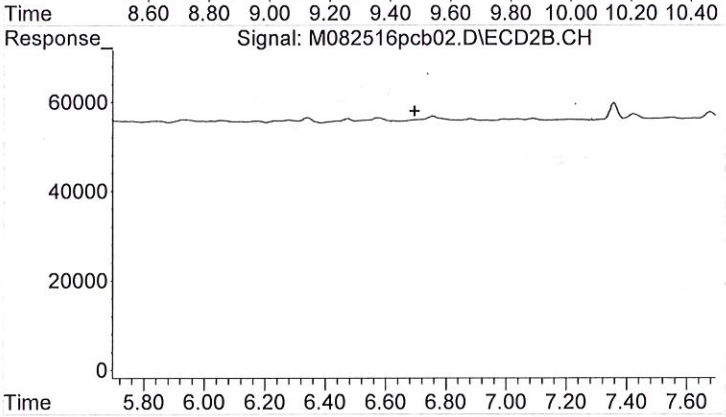
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



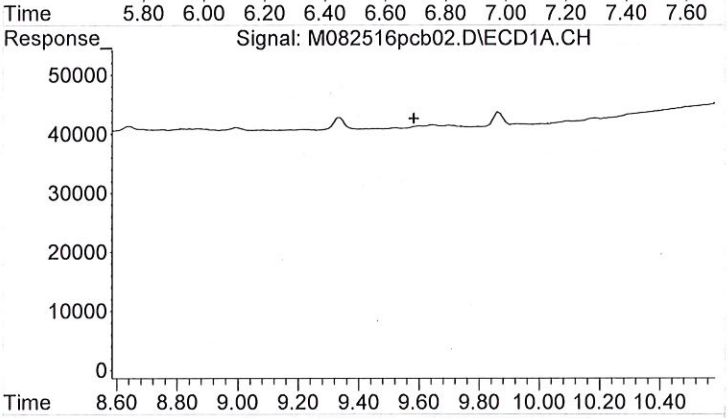
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



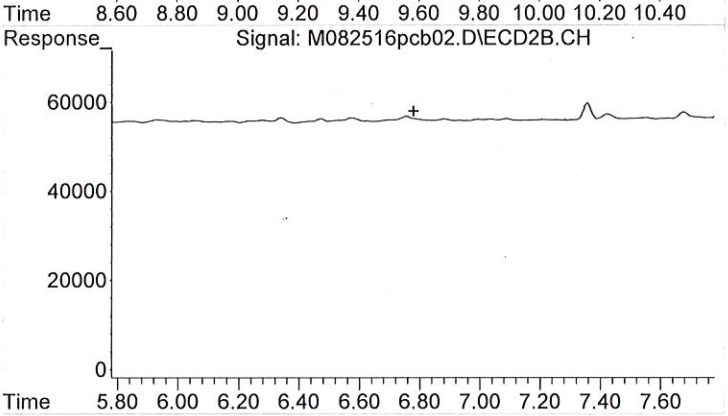
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



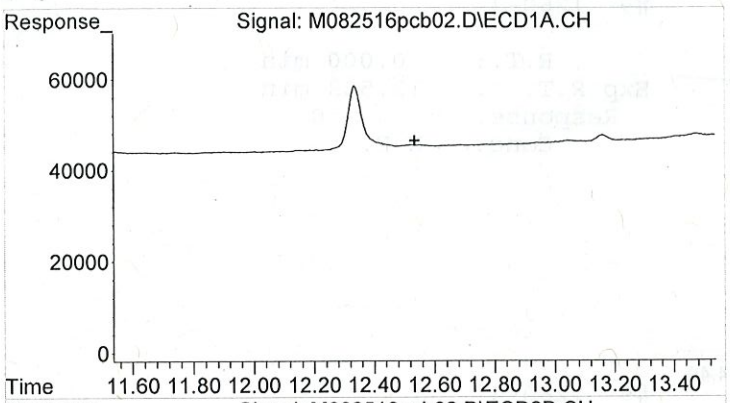
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



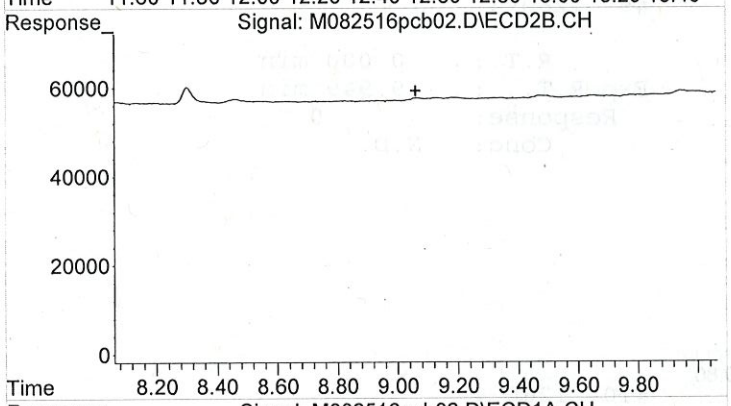
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



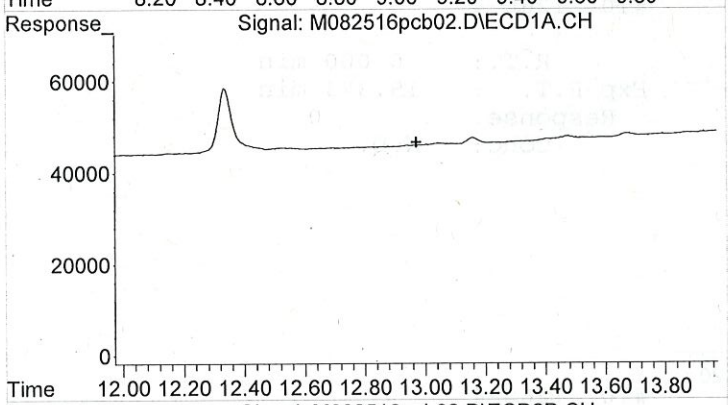
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



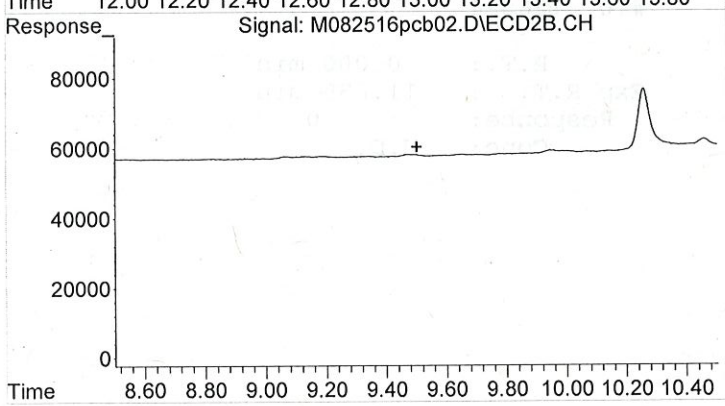
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



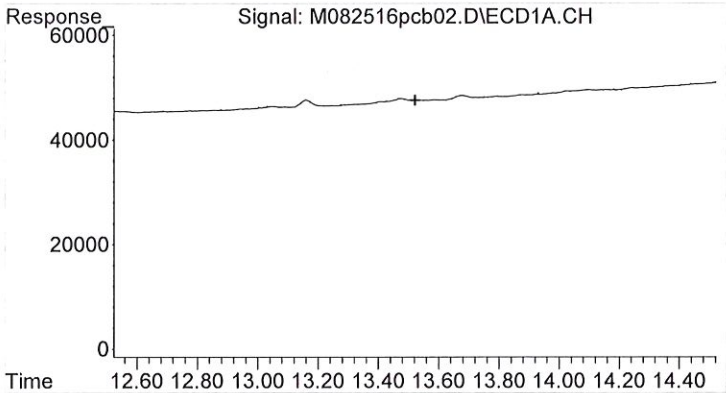
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



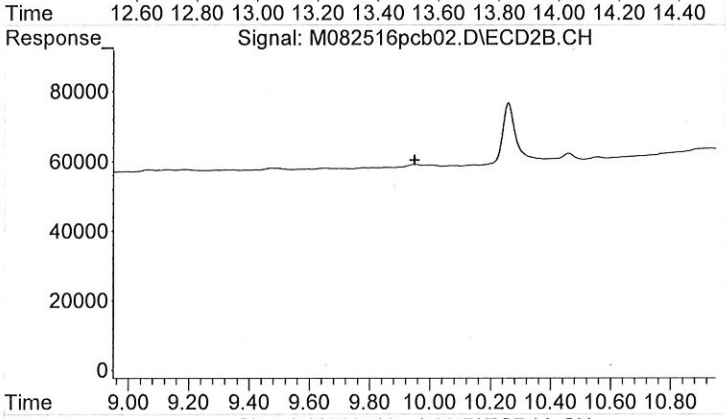
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



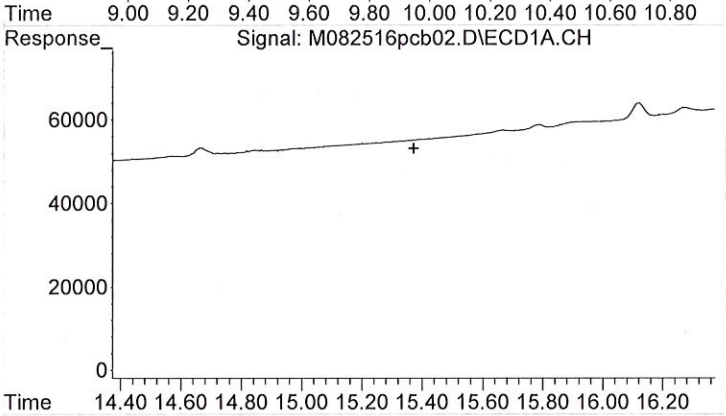
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



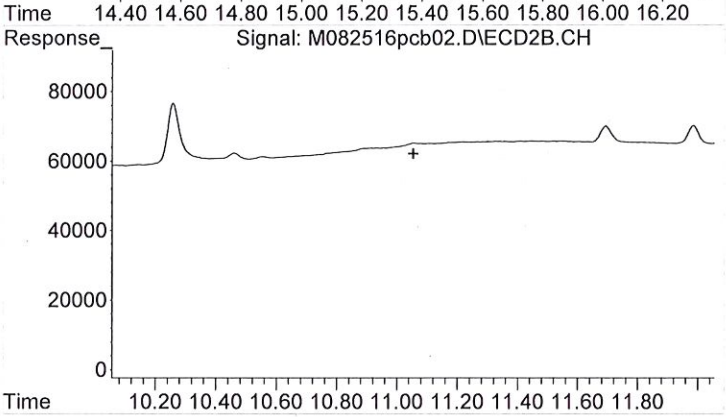
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



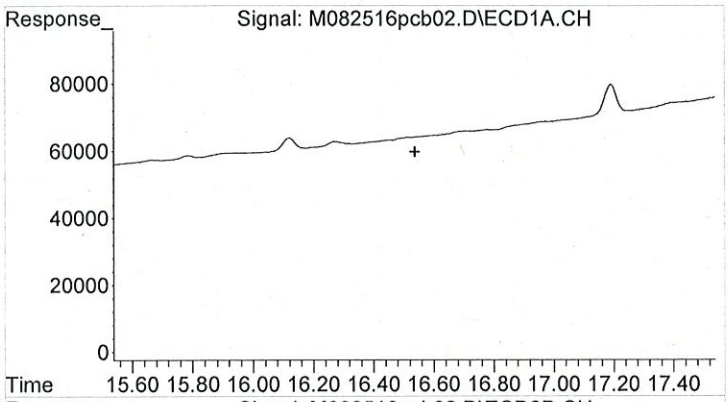
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



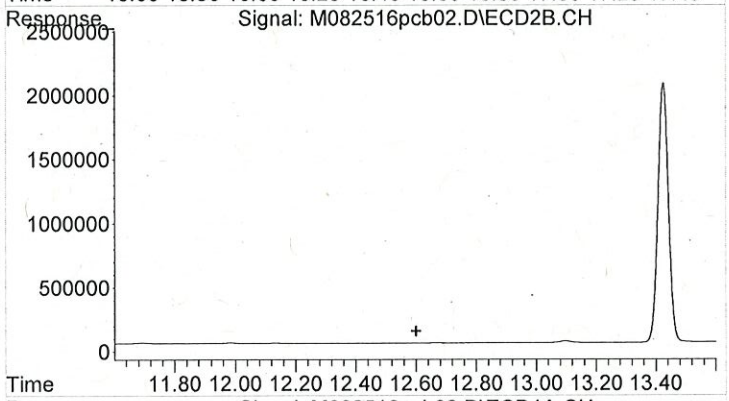
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



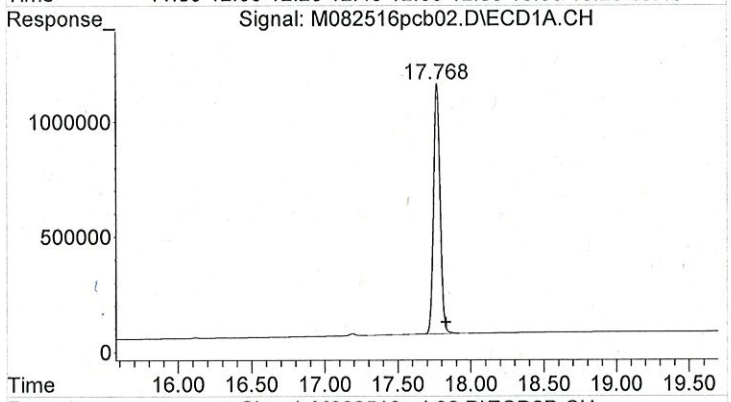
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



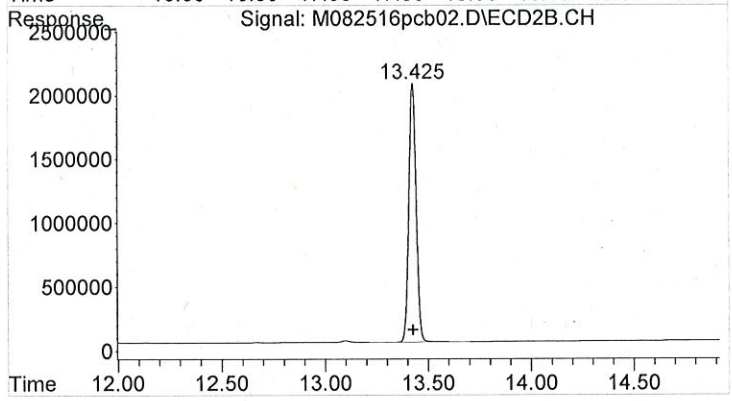
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.768 min
Delta R.T.: -0.062 min
Response: 1085792
Conc: 95.76 pg/uL



#12 dcb

R.T.: 13.425 min
Delta R.T.: -0.003 min
Response: 2020487
Conc: 95.27 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:31 pm
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:46:51 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	7.006	4.887	1724494	3504937	80.501	103.091 #
12) S2 dcb	17.817	13.425	903883	1464570	79.576m	68.913
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.	N.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.	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	0.000	0	0	N.D.	N.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.	N.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.

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:31 pm
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:48:00 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	7.006	4.887	1724494	3504937	80.501	103.091	#
12) S2 dcb	17.818	13.425	m 931596 B	1464570	82.041	68.913	
Target Compounds							
2) L1 1016 -1	0.000	5.441	0	m ~~44518~~	N.D.	57.559	#
3) L1 1016-2	0.000	0.000	0	0	N.D.	N.D.	
4) L1 1016-3	9.362	0.000	m ~~2542~~	0	4397.840	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			2542	44518	4397.840	57.559	
Average 1016 -1					4397.840	57.559	
7) L2 1260-1	0.000	0.000	0	0	N.D.	N.D.	
8) L2 1260-2	12.993	9.466	m ~~1076~~	~~1523~~	N.D.	N.D.	
9) L2 1260-3	0.000	0.000	0	0	N.D.	N.D.	
10) L2 1260-4	15.375	11.063	m ~~18457~~	~~1751~~	17.303	N.D.	#
11) L2 1260-5	16.585	0.000	m ~~32476~~	0	66.385	N.D.	#
Sum 1260-1			50933	0	79.475	N.D.	
Average 1260-1					39.737	0.000	

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

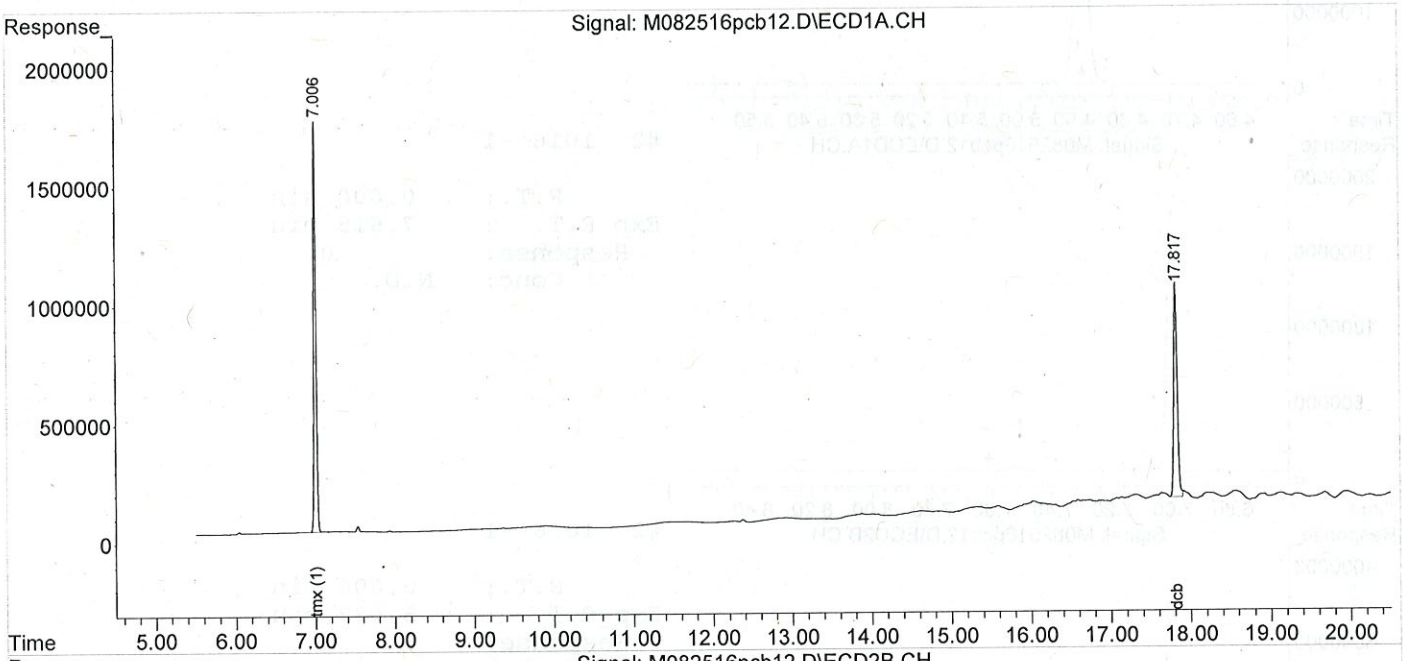
m
9/19/16

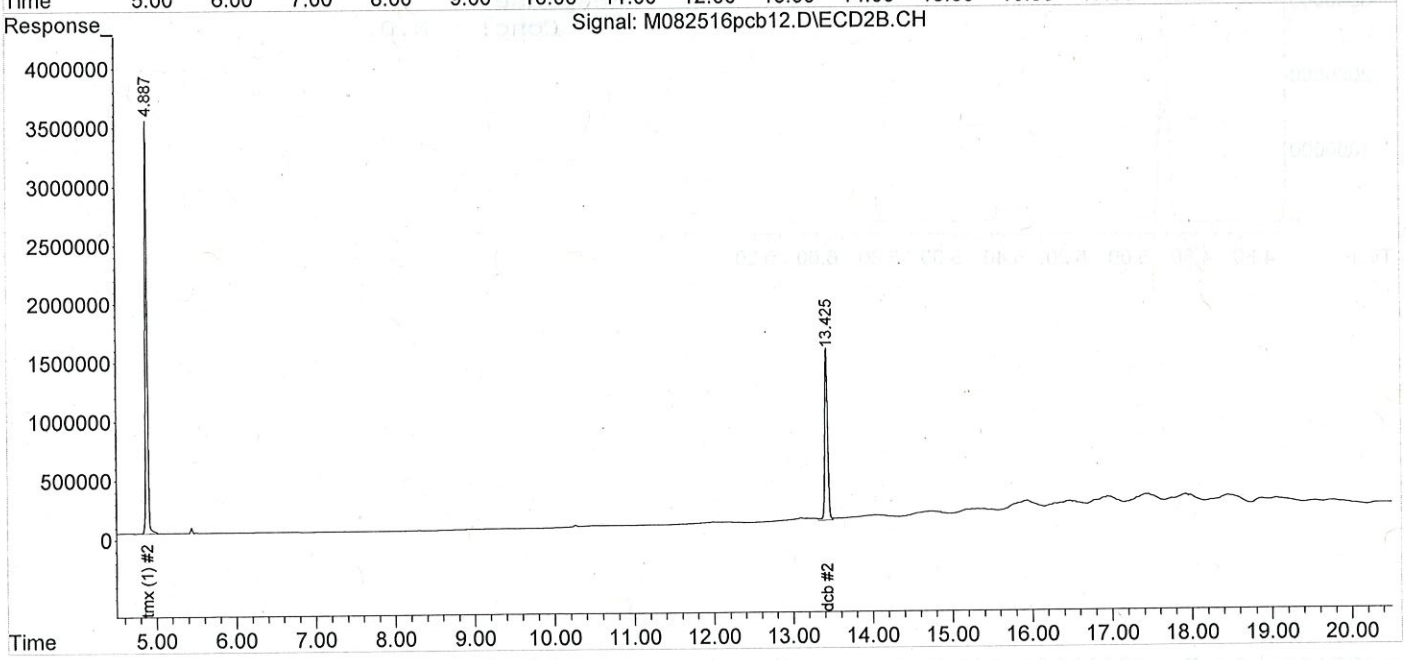
Quantitation Report (QT Reviewed)

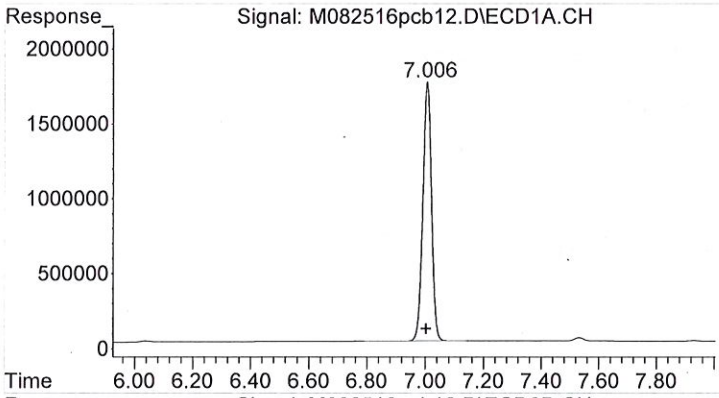
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 12:31 pm
Operator : DWOOD
Sample : 87PCB011916J
Misc : Instrument Blank 100pg/ul
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 14:46:51 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

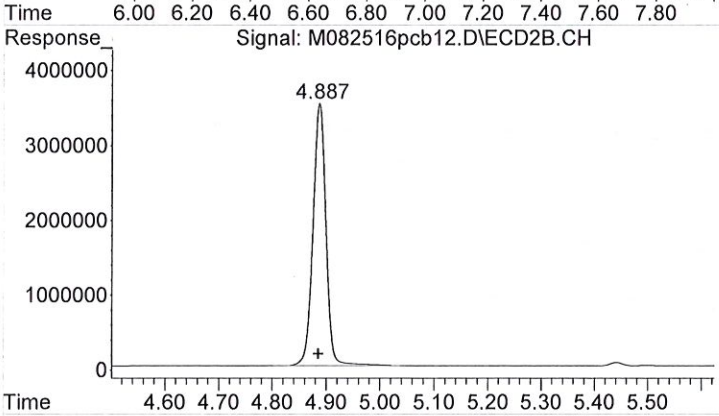






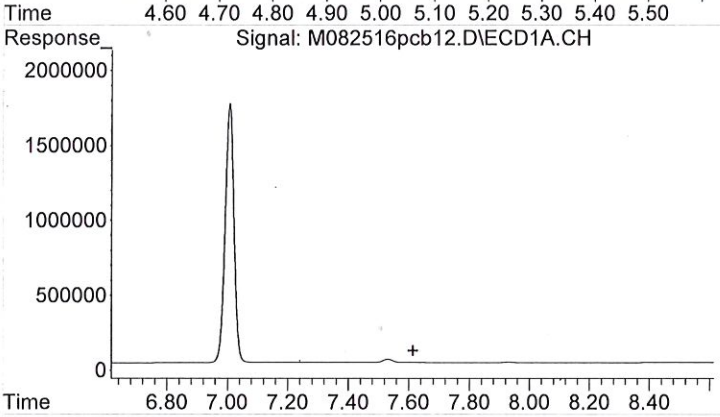
#1 tmx (1)

R.T.: 7.006 min
Delta R.T.: 0.003 min
Response: 1724494
Conc: 80.50 pg/uL



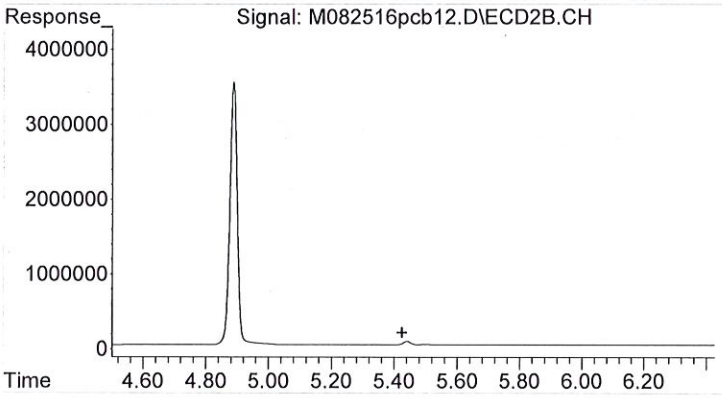
#1 tmx (1)

R.T.: 4.887 min
Delta R.T.: 0.001 min
Response: 3504937
Conc: 103.09 pg/uL



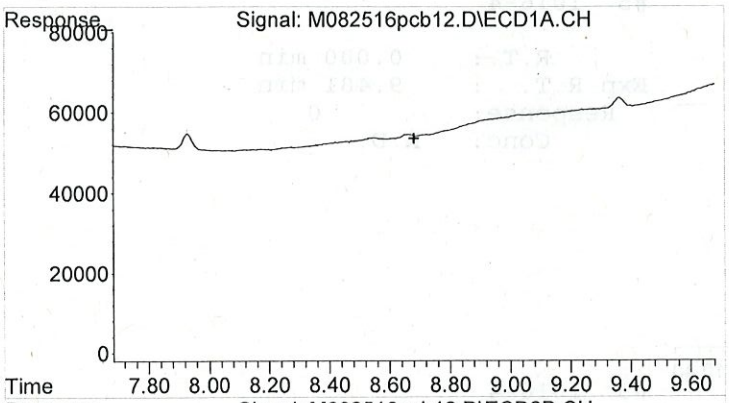
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.615 min
Response: 0
Conc: N.D.



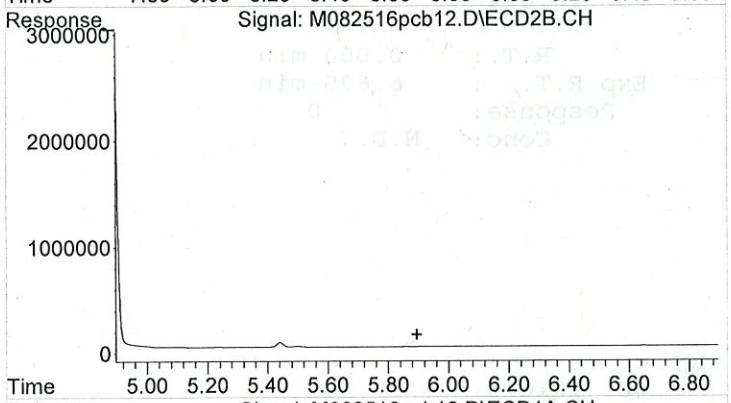
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.427 min
Response: 0
Conc: N.D.



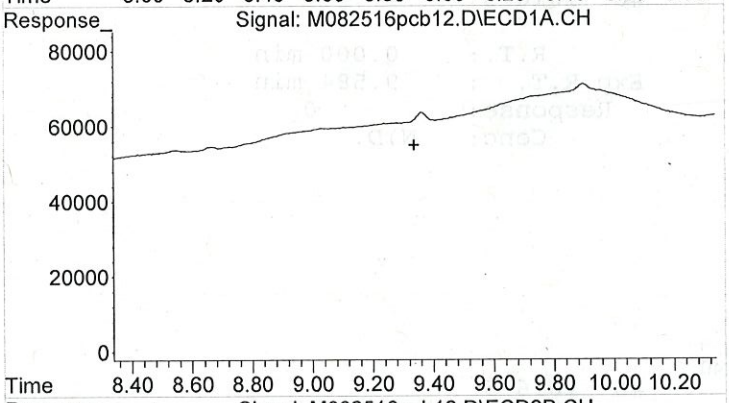
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.682 min
Response: 0
Conc: N.D.



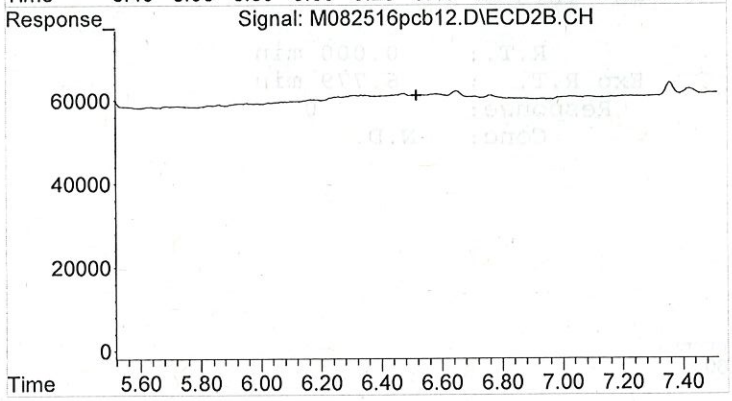
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.895 min
Response: 0
Conc: N.D.



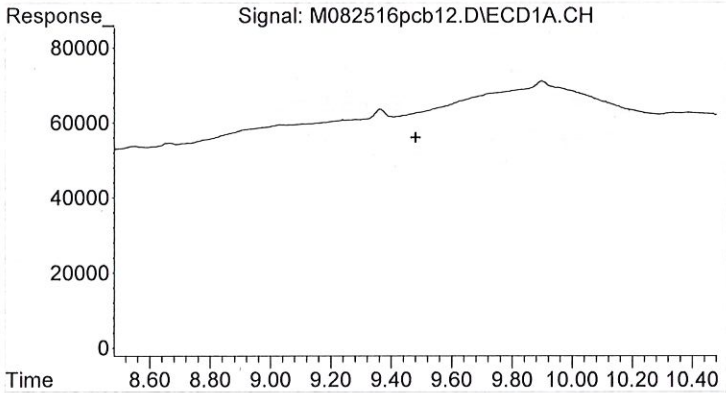
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.338 min
Response: 0
Conc: N.D.



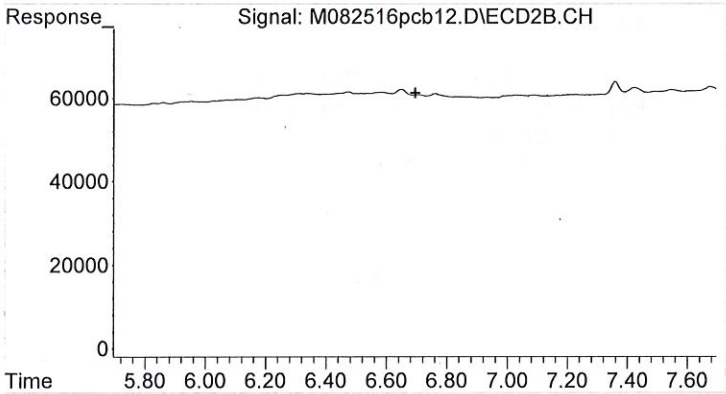
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.517 min
Response: 0
Conc: N.D.



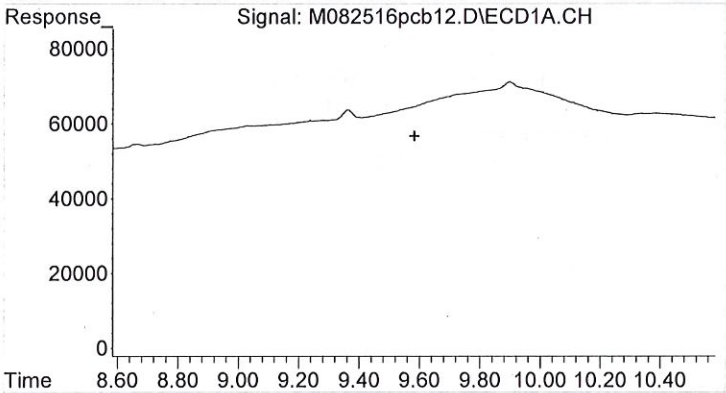
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.481 min
Response: 0
Conc: N.D.



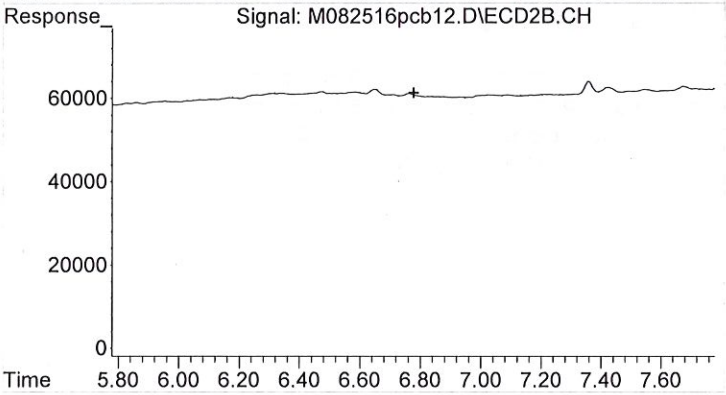
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.695 min
Response: 0
Conc: N.D.



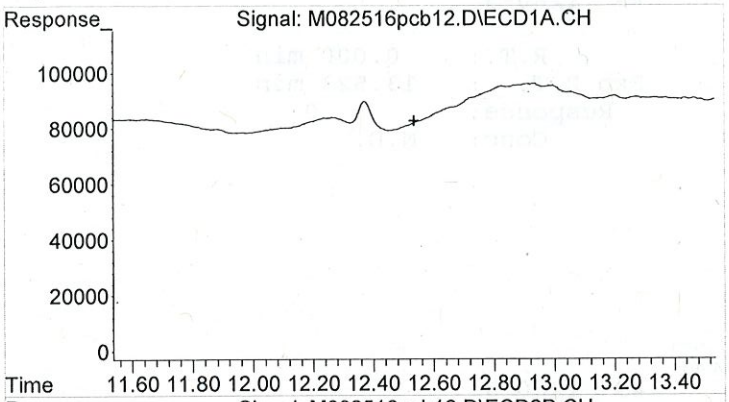
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.584 min
Response: 0
Conc: N.D.



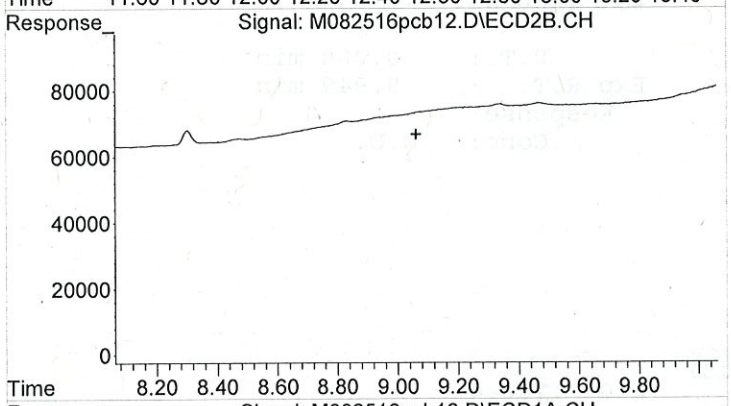
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.779 min
Response: 0
Conc: N.D.



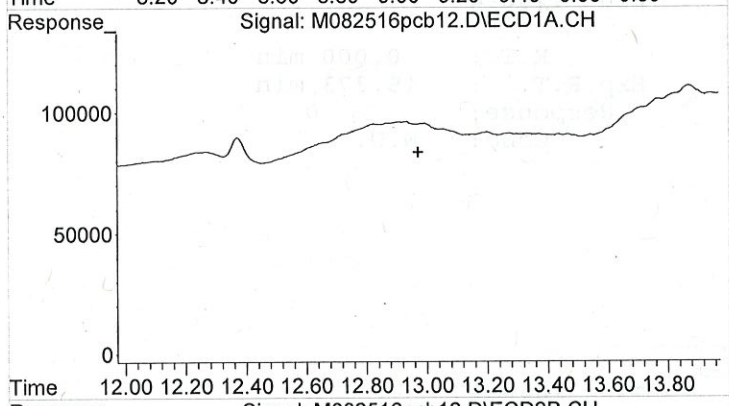
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.536 min
Response: 0
Conc: N.D.



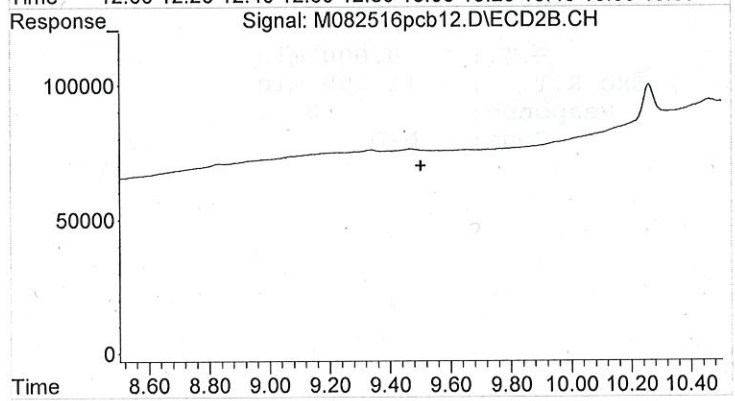
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 9.062 min
Response: 0
Conc: N.D.



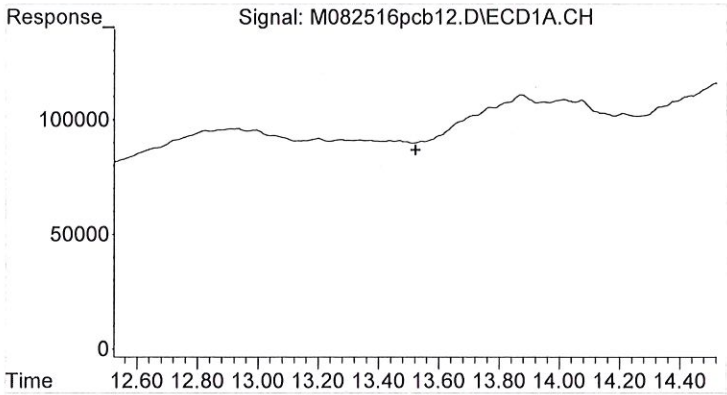
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.973 min
Response: 0
Conc: N.D.



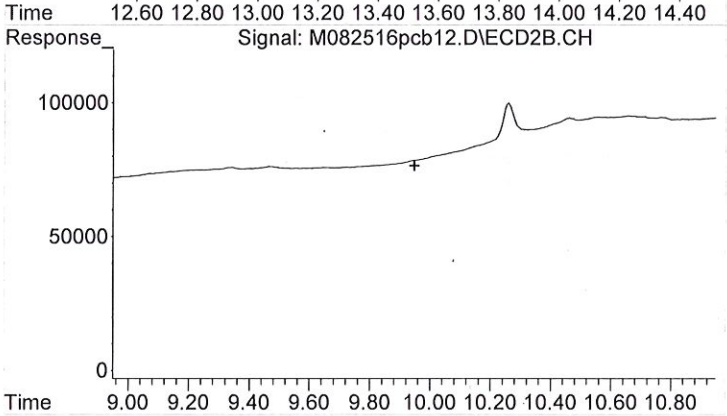
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.503 min
Response: 0
Conc: N.D.



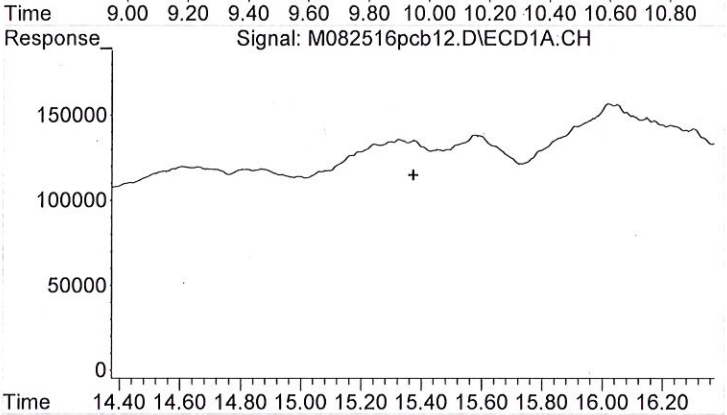
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.523 min
Response: 0
Conc: N.D.



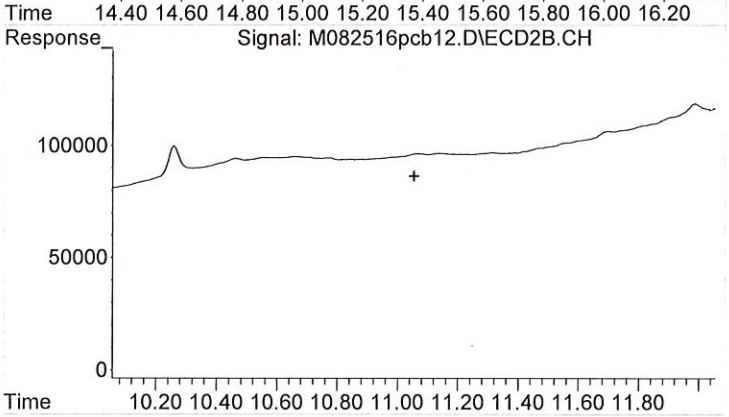
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.949 min
Response: 0
Conc: N.D.



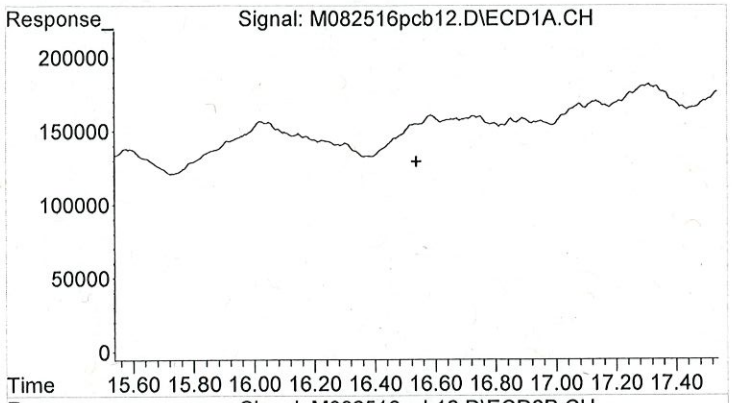
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.373 min
Response: 0
Conc: N.D.



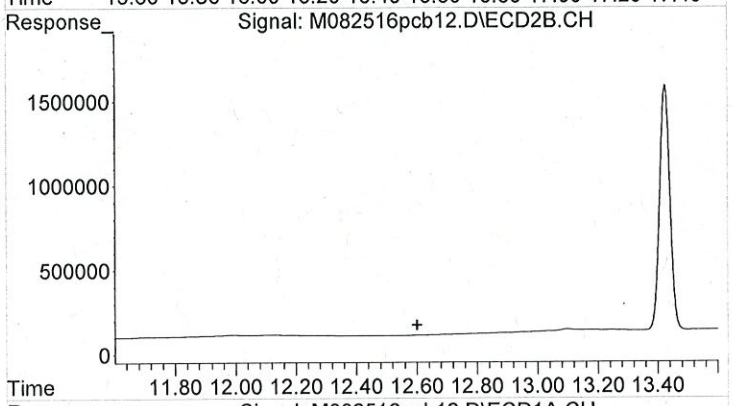
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 11.055 min
Response: 0
Conc: N.D.



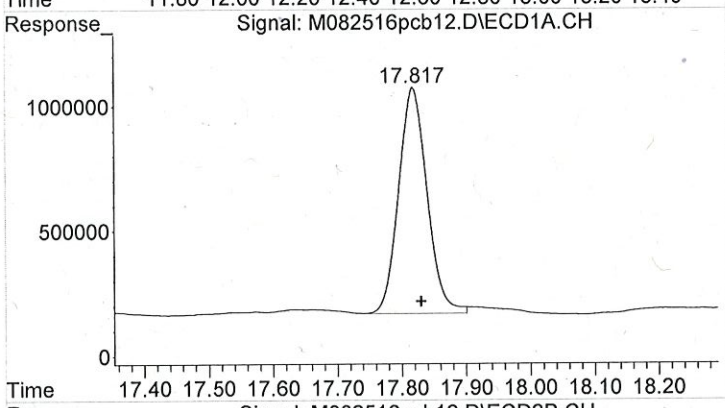
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.538 min
Response: 0
Conc: N.D.



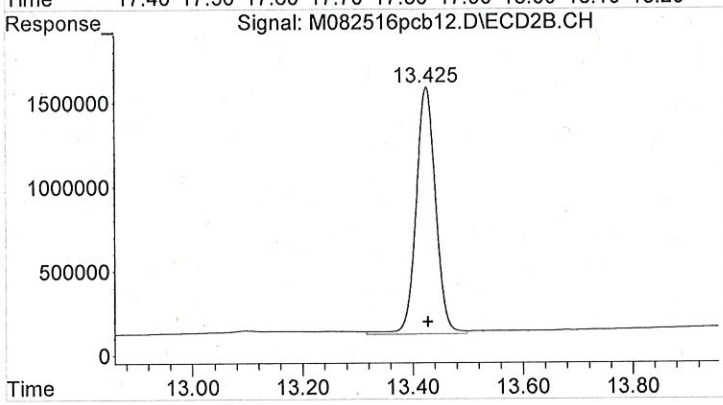
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.601 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.817 min
Delta R.T.: -0.013 min
Response: 903883
Conc: 79.58 pg/uL m



#12 dcb

R.T.: 13.425 min
Delta R.T.: -0.003 min
Response: 1464570
Conc: 68.91 pg/uL

o_ MS/~~MSD~~ N/A

a. Custom Recovery Summary Report, if available
b. Quan Report (Quant – Generate Report – Summary)
c. Graphics (@Cmd Line – Thumbnail)

- LCS/LCSD
    a. Custom Recovery Summary Report, if available
    b. Quan Report (Quant – Generate Report – Summary)
    c. Graphics (@Cmd Line –Thumbnail)

PCB QC Recovery Report

920082416B1
920082416L1
920082416L2

Matrix: 42 - Wipe

Sample ID	Filename	Date/Time Acquired	Initial Extracted Amount (mL)	Final Extract Volume (mL)	Spiking Std Concentration (ng/uL)	Spike Volume (uL)	Total Spike Amount per sample (ng)
920082416B1	M082516pcb04.D	08/25/2016 9:14	40	10	0	0	0
920082416L1	M082516pcb05.D	08/25/2016 9:39	40	10	40	50	2000
920082416L2	M082516pcb06.D	08/25/2016 10:03	40	10	40	50	2000

Data Paths

Reference...: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb04.D
LCS or MS...: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb05.D
LCSD or MSD.: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb06.D

Compound Name	Ref. Amt ug	Spk1 Amt ug	ExpSpk1 Amt ug	Spk1 LCS/MS %Rec	Spk2 Amt ug	ExpSpk2 Amt ug	Spk2 LCSD/MSD %Rec	Recovery Limits %	RPD %	RPD Limit %
1016 Column 1	0	1.89	2.00	95%	1.93	2.00	97%	70-130	2	50
1016 Column 2	0	2.04	2.00	102%	2.03	2.00	101%	70-130	0.6	50
1260 Column 1	0	2.02	2.00	101%	2.04	2.00	102%	70-130	1	50
1260 Column 2	0	2.07	2.00	103%	2.05	2.00	103%	70-130	0.6	50

Laboratory control spiked sample recoveries are NOT corrected for the amount found in the reference (BL) sample.

Sample.....: 920082416L1
Data File....: M082516pcb05.D
Project.....: OCE-009B
Matrix.....: 42 - Wipe
Analyzed.....: 08/25/2016 9:39
Type.....: L1

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 5

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: Sky Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb05.D

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	250	tmx (1)	6.98	7.00	1057970	50	49	98	%Rec	
12	2.5	250	dcb	17.77	17.83	564663	50	49	99	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1824650	50	53	106	%Rec	
25	2.5	250	dcb #2	13.43	13.43	1052640	50	49	99	%Rec	
2	25	1000	1016 -1	7.58	7.62	80313	200	191	1.9	ug	
3	25	1000	1016-2	8.65	8.68	95478	200	188	1.9	ug	
4	25	1000	1016-3	9.30	9.34	124359	200	190	1.9	ug	
5	25	1000	1016-4	9.44	9.48	82658	200	188	1.9	ug	
6	25	1000	1016-5	9.55	9.58	26330	200	191	1.9	ug	
7	25	1000	1260-1	12.49	12.54	184115	200	204	2.0	ug	
8	25	1000	1260-2	12.92	12.97	216789	200	200	2.0	ug	
9	25	1000	1260-3	13.47	13.52	214011	200	197	2.0	ug	
10	25	1000	1260-4	15.32	15.37	149576	200	204	2.0	ug	
11	25	1000	1260-5	16.48	16.54	93743	200	205	2.0	ug	
15	25	1000	1016 -1 #2	5.43	5.43	145715	200	210	2.1	ug	
16	25	1000	1016-2 #2	5.90	5.89	226457	200	205	2.0	ug	
17	25	1000	1016-3 #2	6.52	6.52	338920	200	204	2.0	ug	
18	25	1000	1016-4 #2	6.69	6.70	196736	200	201	2.0	ug	
19	25	1000	1016-5 #2	6.78	6.78	140732	200	201	2.0	ug	
20	25	1000	1260-1 #2	9.06	9.06	320621	200	207	2.1	ug	
21	25	1000	1260-2 #2	9.50	9.50	463669	200	208	2.1	ug	
22	25	1000	1260-3 #2	9.95	9.95	362357	200	208	2.1	ug	
23	25	1000	1260-4 #2	11.06	11.06	592325	200	206	2.1	ug	
24	25	1000	1260-5 #2	12.60	12.60	149718	200	204	2.0	ug	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]	
12674112	1016 Column 1	95	%Rec	5	1 %		Results will be reported from Column 2
12674112	1016 Column 2	102	%Rec	5	2 %	7 %	
11096825	1260 Column 1	101	%Rec	5	2 %		Note that avg results for LCS/MS samples
11096825	1260 Column 2	103	%Rec	5	1 %	2 %	do not reflect native amount adjustment.

[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\M082516PCBDW\
Data File : M082516pcb05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:39 am
Operator : DWOOD
Sample : 92O082416L1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:16 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.977	4.887	1057970	1824645	49.155	53.218
12)	S2 dcb	17.771	13.428	564663	1052637	49.399	49.380
	Target Compounds						
2)	L1 1016 -1	7.584	5.428	80313	145715	190.806	209.653
3)	L1 1016-2	8.649	5.895	95478	226457	188.018	204.867
4)	L1 1016-3	9.301	6.518	124359	338920	189.588	203.566
5)	L1 1016-4	9.444	6.695	82658	196736	188.011	200.875
6)	L1 1016-5	9.547	6.779	26330	140732	190.755	200.988
	Sum 1016 -1			409138	1048560	947.179	1019.949
	Average 1016 -1					189.436	203.990
7)	L2 1260-1	12.488	9.063	184115	320621	203.833	207.223
8)	L2 1260-2	12.925	9.503	216789	463669	200.373	207.533
9)	L2 1260-3	13.473f	9.948	214011	362357	197.004	208.163
10)	L2 1260-4	15.321f	11.056	149576	592325	204.391	205.871
11)	L2 1260-5	16.483f	12.602	93743	149718	204.733	204.002
	Sum 1260-1			858234	1888689	1010.334	1032.792
	Average 1260-1					202.067	206.558

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

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:39 am
Operator : DWOOD
Sample : 92O082416L1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:16 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.977	4.887	1057970	1824645	49.155	53.218
12)	S2 dcb	17.771	13.428	564663	1052637	49.399	49.380
	Target Compounds						
2)	L1 1016 -1	7.584	5.428	80313	145715	190.806	209.653
3)	L1 1016-2	8.649	5.895	95478	226457	188.018	204.867
4)	L1 1016-3	9.301	6.518	124359	338920	189.588	203.566
5)	L1 1016-4	9.444	6.695	82658	196736	188.011	200.875
6)	L1 1016-5	9.547	6.779	26330	140732	190.755	200.988
	Sum 1016 -1			409138	1048560	947.179	1019.949
	Average 1016 -1					189.436	203.990
7)	L2 1260-1	12.488	9.063	184115	320621	203.833	207.223
8)	L2 1260-2	12.925	9.503	216789	463669	200.373	207.533
9)	L2 1260-3	13.473f	9.948	214011	362357	197.004	208.163
10)	L2 1260-4	15.321f	11.056	149576	592325	204.391	205.871
11)	L2 1260-5	16.483f	12.602	93743	149718	204.733	204.002
	Sum 1260-1			858234	1888689	1010.334	1032.792
	Average 1260-1					202.067	206.558

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

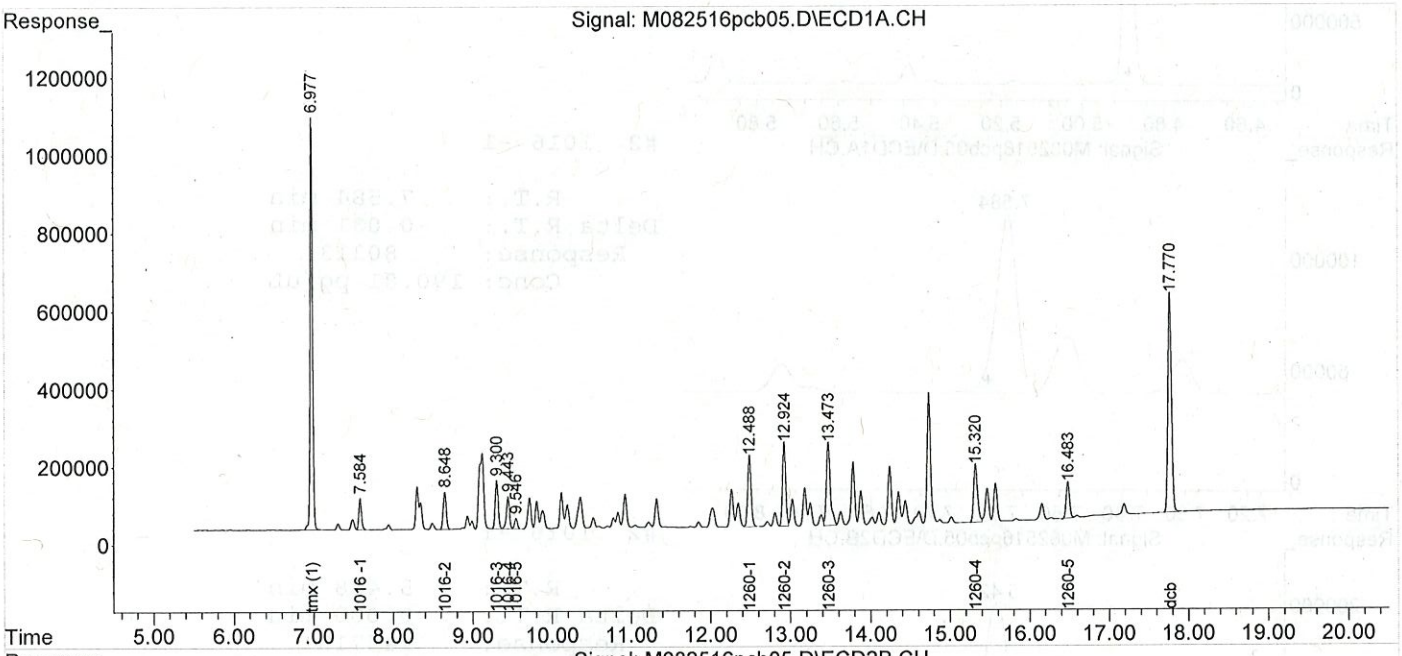
mw
9/19/16

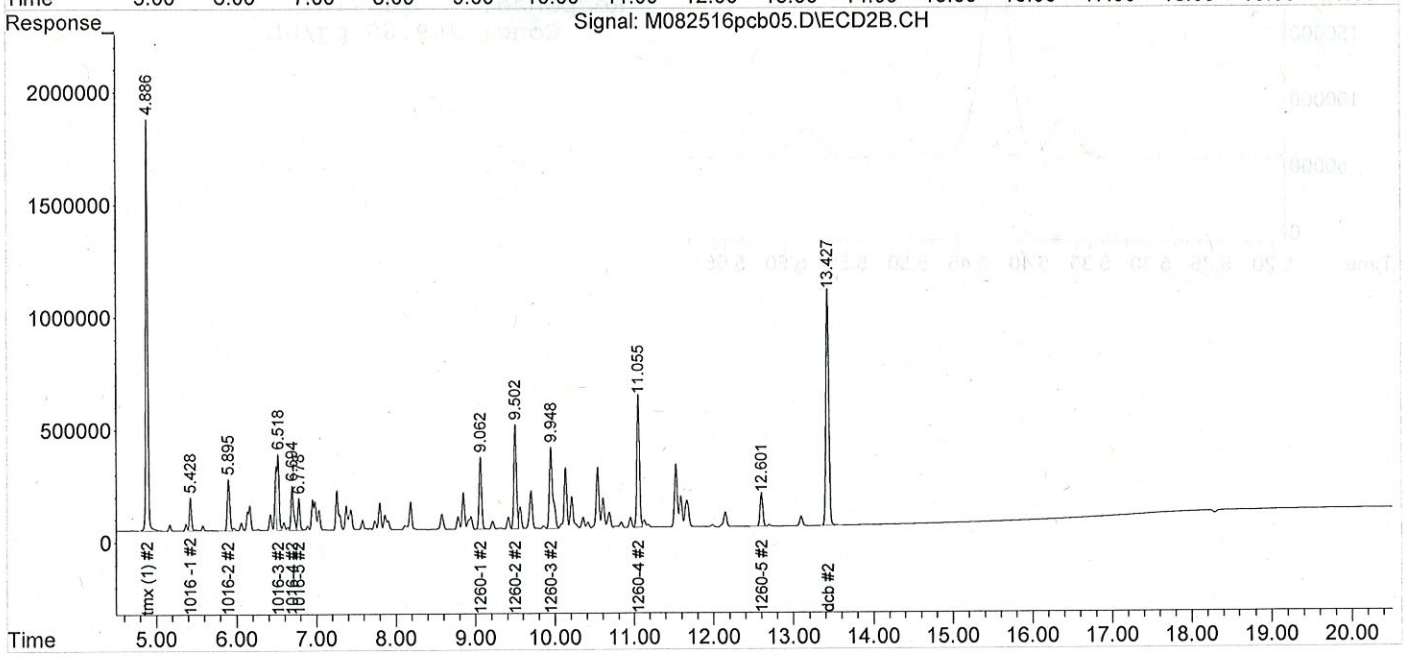
Quantitation Report (QT Reviewed)

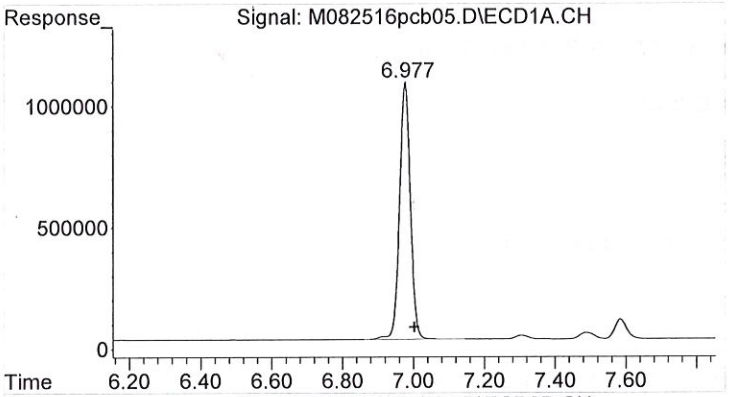
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 9:39 am
Operator : DWOOD
Sample : 92O082416L1
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:16 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

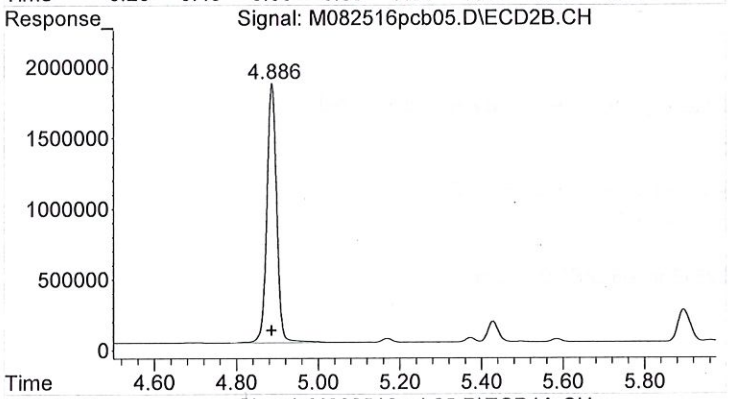






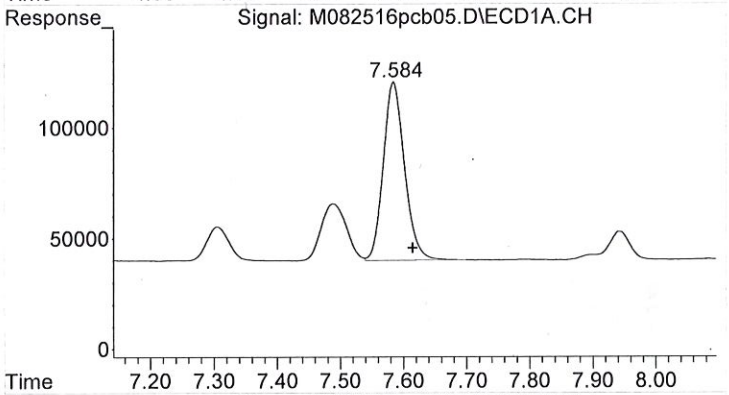
#1 tmx (1)

R.T.: 6.977 min
Delta R.T.: -0.026 min
Response: 1057970
Conc: 49.16 pg/uL



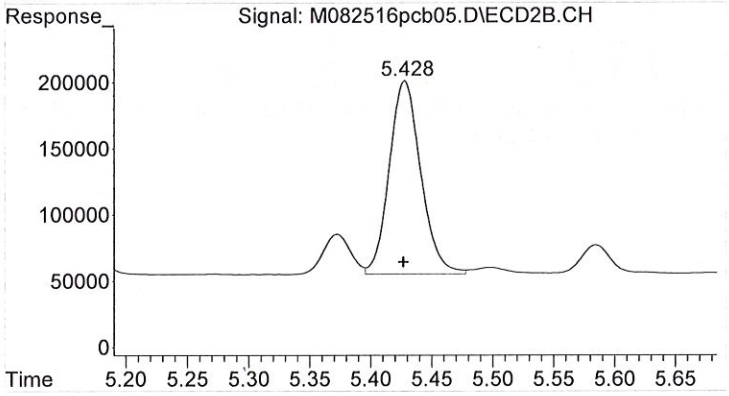
#1 tmx (1)

R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 1824645
Conc: 53.22 pg/uL



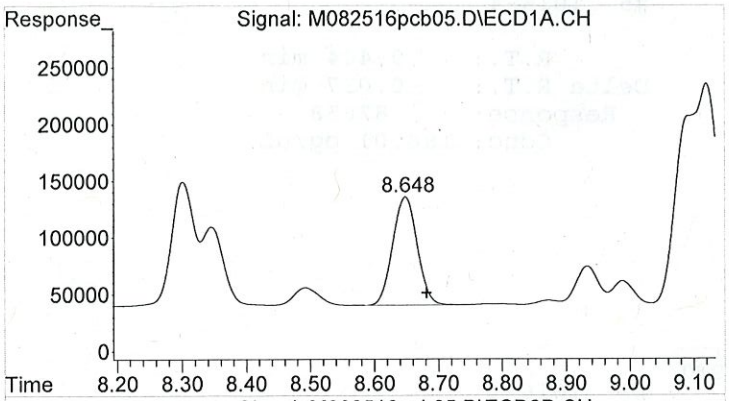
#2 1016 -1

R.T.: 7.584 min
Delta R.T.: -0.031 min
Response: 80313
Conc: 190.81 pg/uL



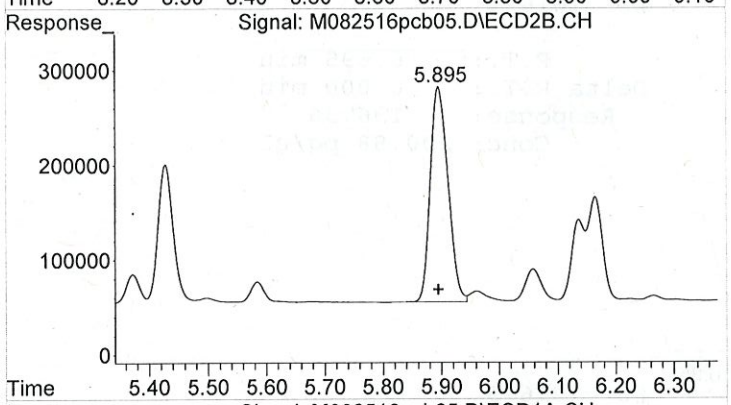
#2 1016 -1

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 145715
Conc: 209.65 pg/uL



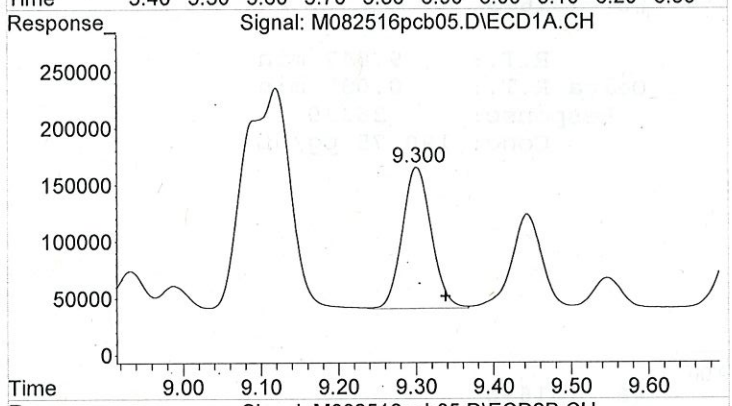
#3 1016-2

R.T.: 8.649 min
Delta R.T.: -0.033 min
Response: 95478
Conc: 188.02 pg/uL



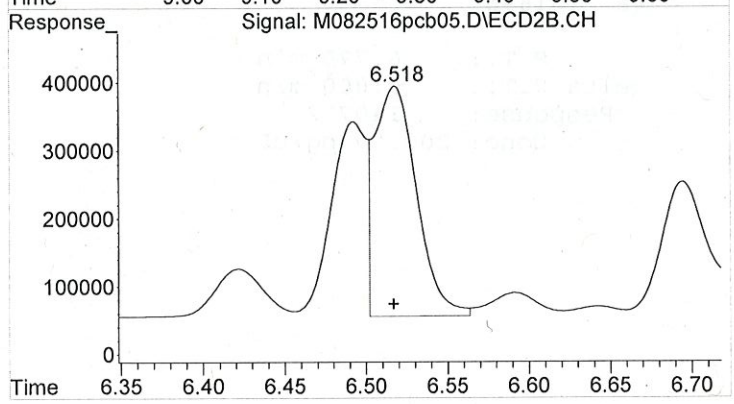
#3 1016-2

R.T.: 5.895 min
Delta R.T.: 0.000 min
Response: 226457
Conc: 204.87 pg/uL



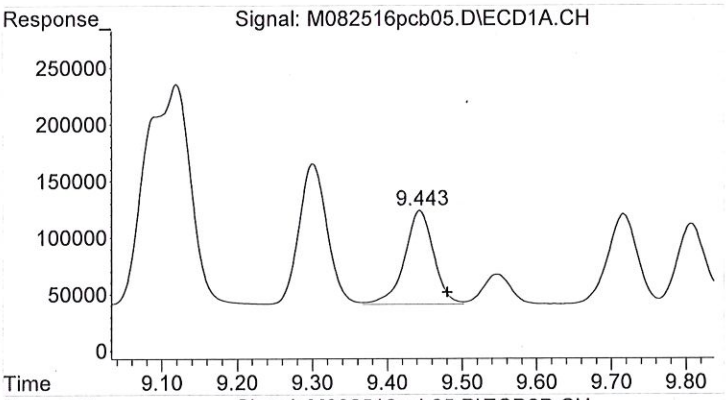
#4 1016-3

R.T.: 9.301 min
Delta R.T.: -0.037 min
Response: 124359
Conc: 189.59 pg/uL



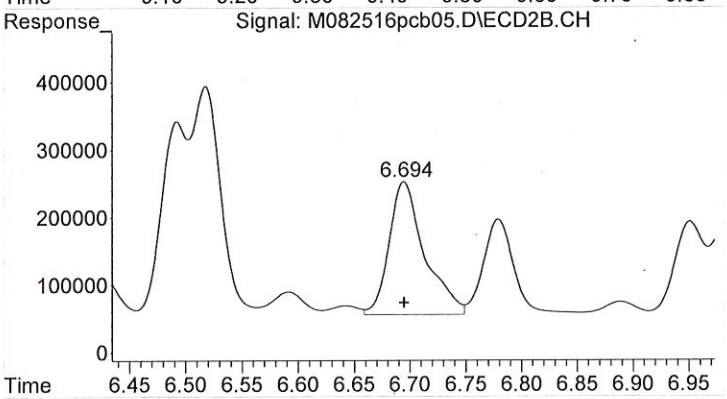
#4 1016-3

R.T.: 6.518 min
Delta R.T.: 0.000 min
Response: 338920
Conc: 203.57 pg/uL



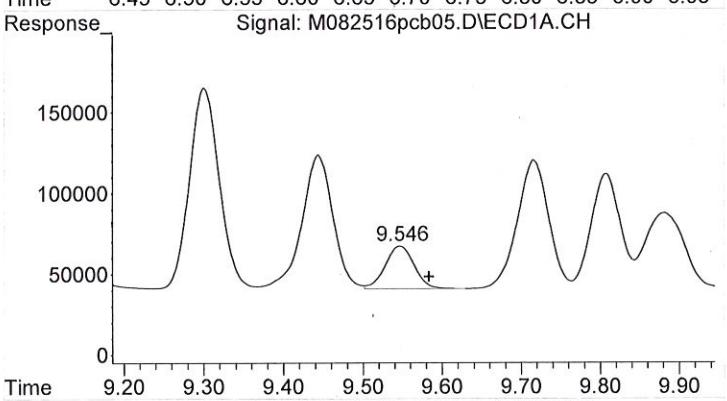
#5 1016-4

R.T.: 9.444 min
Delta R.T.: -0.037 min
Response: 82658
Conc: 188.01 pg/uL



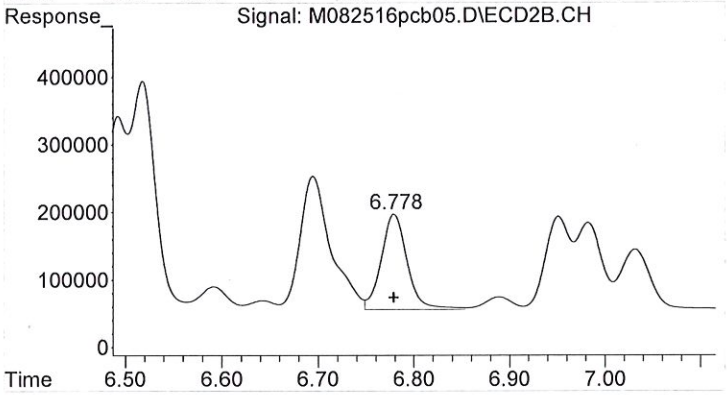
#5 1016-4

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 196736
Conc: 200.88 pg/uL



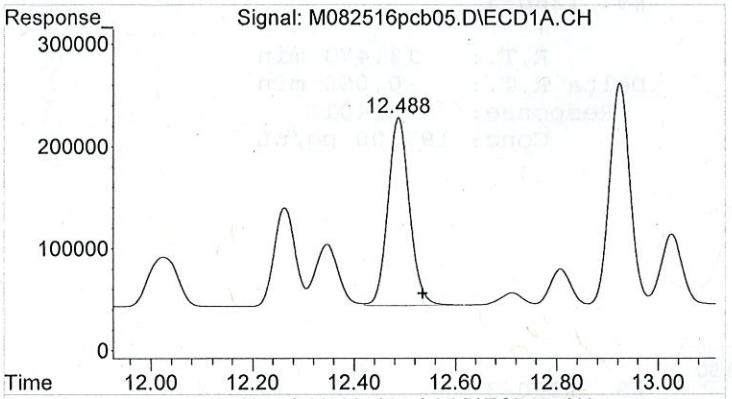
#6 1016-5

R.T.: 9.547 min
Delta R.T.: -0.037 min
Response: 26330
Conc: 190.75 pg/uL



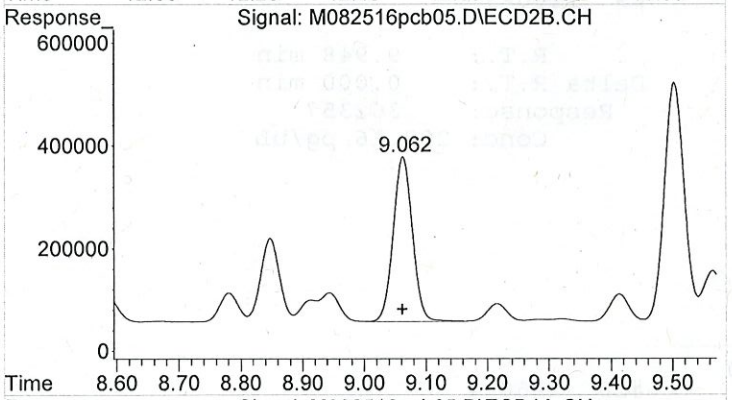
#6 1016-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 140732
Conc: 200.99 pg/uL



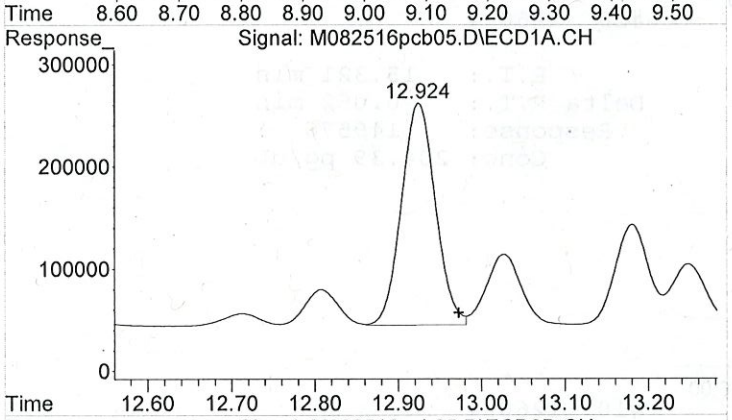
#7 1260-1

R.T.: 12.488 min
Delta R.T.: -0.048 min
Response: 184115
Conc: 203.83 pg/uL



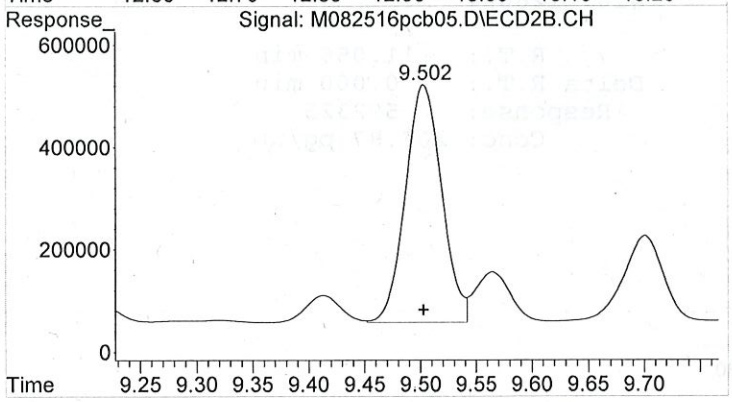
#7 1260-1

R.T.: 9.063 min
Delta R.T.: 0.000 min
Response: 320621
Conc: 207.22 pg/uL



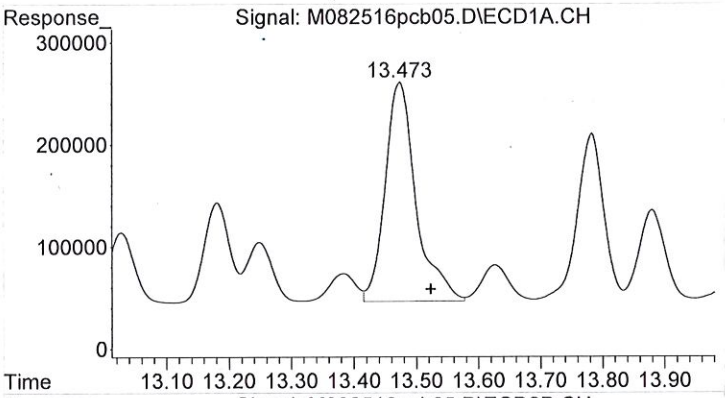
#8 1260-2

R.T.: 12.925 min
Delta R.T.: -0.048 min
Response: 216789
Conc: 200.37 pg/uL



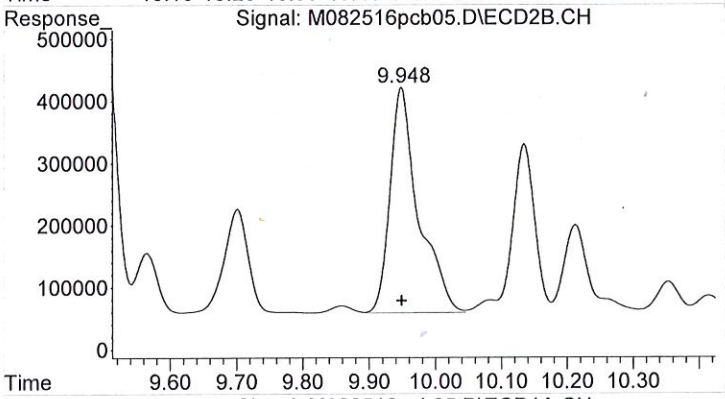
#8 1260-2

R.T.: 9.503 min
Delta R.T.: 0.000 min
Response: 463669
Conc: 207.53 pg/uL



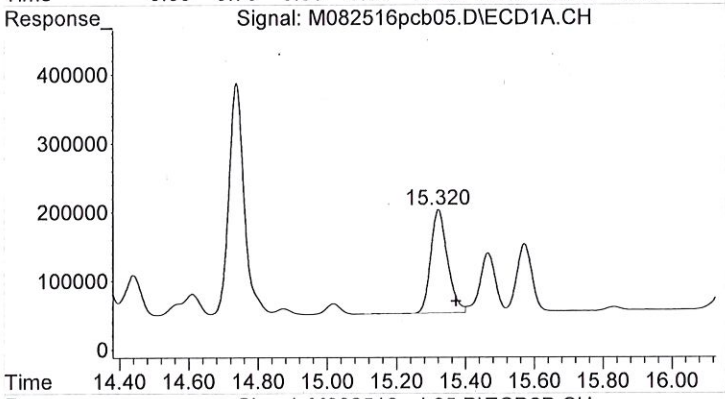
#9 1260-3

R.T.: 13.473 min
Delta R.T.: -0.050 min
Response: 214011
Conc: 197.00 pg/uL



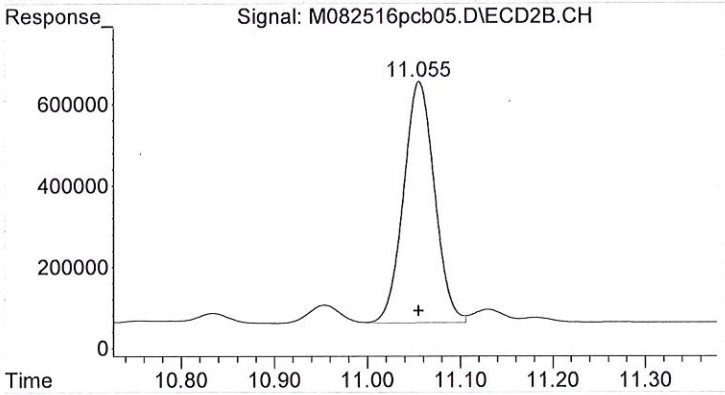
#9 1260-3

R.T.: 9.948 min
Delta R.T.: 0.000 min
Response: 362357
Conc: 208.16 pg/uL



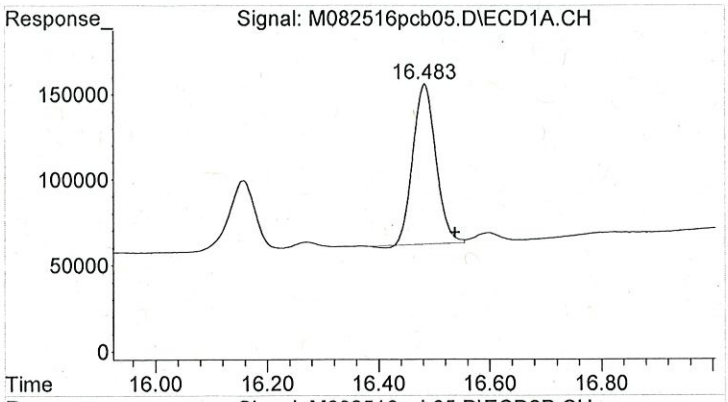
#10 1260-4

R.T.: 15.321 min
Delta R.T.: -0.052 min
Response: 149576
Conc: 204.39 pg/uL



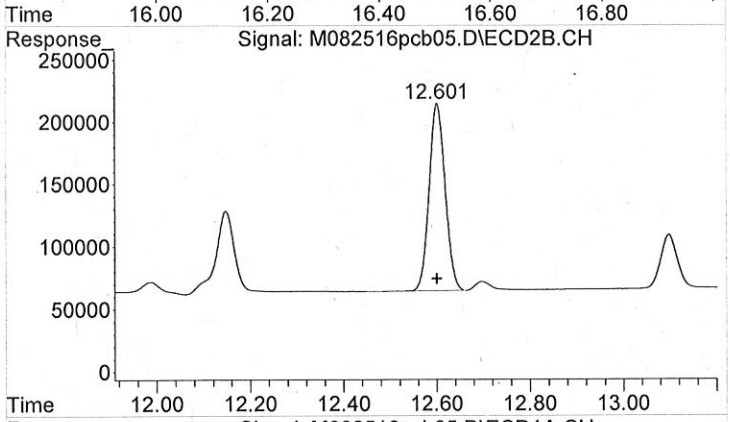
#10 1260-4

R.T.: 11.056 min
Delta R.T.: 0.000 min
Response: 592325
Conc: 205.87 pg/uL



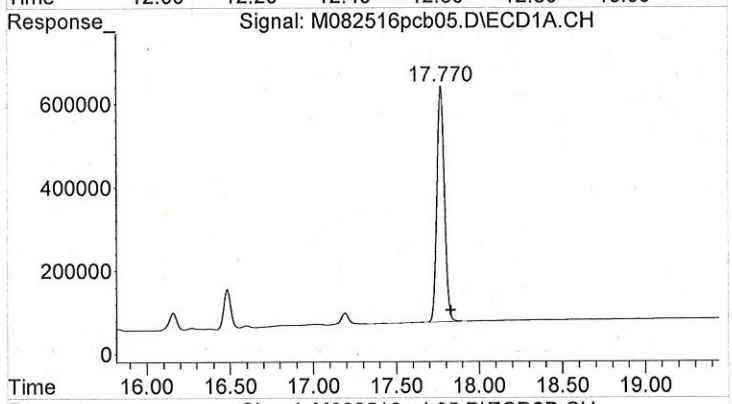
#11 1260-5

R.T.: 16.483 min
Delta R.T.: -0.055 min
Response: 93743
Conc: 204.73 pg/uL



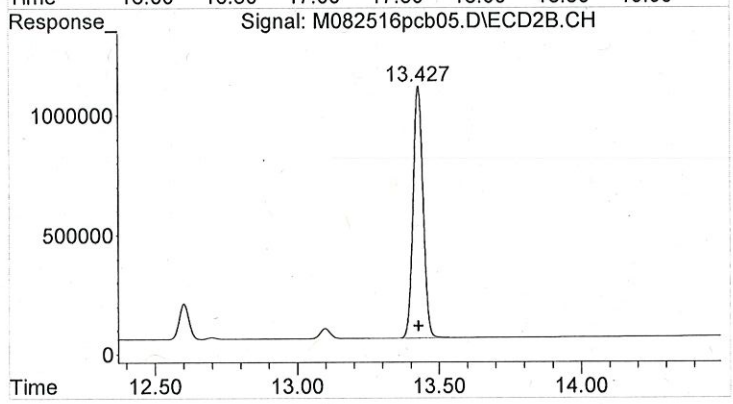
#11 1260-5

R.T.: 12.602 min
Delta R.T.: 0.000 min
Response: 149718
Conc: 204.00 pg/uL



#12 dcb

R.T.: 17.771 min
Delta R.T.: -0.059 min
Response: 564663
Conc: 49.40 pg/uL



#12 dcb

R.T.: 13.428 min
Delta R.T.: 0.000 min
Response: 1052637
Conc: 49.38 pg/uL

Sample.....: 920082416L2
Data File....: M082516pcb06.D
Project.....: OCE-009B
Matrix.....: 42 - Wipe
Analyzed.....: 08/25/2016 10:03
Type.....: L2
Additional Info..: Sky Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M081916PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\M082516pcb06.D

Date Prepped...: 8/24/2016
ICAL Date.....: 08/19/2016
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 2

Prepped By.: dwood
Analyst....: DWOOD
CID.....: 0
Acq. Method: M012116PCB2B.M
ASEQ Number: 6

Instrument.....: Minerva
Amount Extracted.: 40 wipe
Percent Solids...: NA
Final Volume.....: 10 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	250	tmx (1)	6.98	7.00	1055650	50	49	98	%Rec	
12	2.5	250	dcb	17.78	17.83	561548	50	49	98	%Rec	
14	2.5	250	tmx (1) #2	4.89	4.89	1823740	50	53	106	%Rec	
25	2.5	250	dcb #2	13.43	13.43	1062930	50	50	100	%Rec	
2	25	1000	1016 -1	7.59	7.62	80836	200	192	1.9	ug	
3	25	1000	1016-2	8.65	8.68	96371	200	190	1.9	ug	
4	25	1000	1016-3	9.30	9.34	127387	200	195	1.9	ug	
5	25	1000	1016-4	9.45	9.48	85023	200	194	1.9	ug	
6	25	1000	1016-5	9.55	9.58	26810	200	194	1.9	ug	
7	25	1000	1260-1	12.49	12.54	186900	200	207	2.1	ug	
8	25	1000	1260-2	12.93	12.97	217096	200	201	2.0	ug	
9	25	1000	1260-3	13.48	13.52	218696	200	202	2.0	ug	
10	25	1000	1260-4	15.33	15.37	149160	200	204	2.0	ug	
11	25	1000	1260-5	16.49	16.54	95224	200	208	2.1	ug	
15	25	1000	1016 -1 #2	5.43	5.43	143721	200	207	2.1	ug	
16	25	1000	1016-2 #2	5.90	5.89	225162	200	204	2.0	ug	
17	25	1000	1016-3 #2	6.52	6.52	333801	200	200	2.0	ug	
18	25	1000	1016-4 #2	6.69	6.70	196973	200	201	2.0	ug	
19	25	1000	1016-5 #2	6.78	6.78	141224	200	202	2.0	ug	
20	25	1000	1260-1 #2	9.06	9.06	322309	200	208	2.1	ug	
21	25	1000	1260-2 #2	9.50	9.50	464125	200	208	2.1	ug	
22	25	1000	1260-3 #2	9.95	9.95	354980	200	204	2.0	ug	
23	25	1000	1260-4 #2	11.06	11.06	592651	200	206	2.1	ug	
24	25	1000	1260-5 #2	12.60	12.60	147343	200	201	2.0	ug	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD²	
12674112	1016 Column 1	97	%Rec	5	1 %		Results will be reported from Column 2
12674112	1016 Column 2	101	%Rec	5	1 %	5 %	
11096825	1260 Column 1	102	%Rec	5	2 %		Note that avg results for LCS/MS samples
11096825	1260 Column 2	103	%Rec	5	2 %	1 %	do not reflect native amount adjustment.

¹'Amount' units are pg or pg/uL on column. ²RPD (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\M082516PCBDW\
Data File : M082516pcb06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:03 am
Operator : DWOOD
Sample : 92O082416L2
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:31 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.979	4.887	1055645	1823736	49.046	53.191
12)	S2 dcb	17.777	13.427	561548	1062932	49.122	49.868
	Target Compounds						
2)	L1 1016 -1	7.588	5.428	80836	143721	192.166	206.656
3)	L1 1016-2	8.651	5.896	96371	225162	189.938	203.648
4)	L1 1016-3	9.304	6.518	127387	333801	194.601	200.408
5)	L1 1016-4	9.447	6.695	85023	196973	193.825	201.125
6)	L1 1016-5	9.549	6.779	26810	141224	194.495	201.711
	Sum 1016 -1			416427	1040882	965.026	1013.549
	Average 1016 -1					193.005	202.710
7)	L2 1260-1	12.492	9.062	186900	322309	207.110	208.352
8)	L2 1260-2	12.928	9.503	217096	464125	200.672	207.743
9)	L2 1260-3	13.476	9.949	218696	354980	201.533	203.842
10)	L2 1260-4	15.325	11.056	149160	592651	203.798	205.986
11)	L2 1260-5	16.488f	12.602	95224	147343	208.077	200.725
	Sum 1260-1			867075	1881408	1021.191	1026.648
	Average 1260-1					204.238	205.330

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

ww
9/19/16

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:03 am
Operator : DWOOD
Sample : 92O082416L2
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:31 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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)	6.979	4.887	1055645	1823736	49.046	53.191
12)	S2 dcb	17.777	13.427	561548	1062932	49.122	49.868
	Target Compounds						
2)	L1 1016 -1	7.588	5.428	80836	143721	192.166	206.656
3)	L1 1016-2	8.651	5.896	96371	225162	189.938	203.648
4)	L1 1016-3	9.304	6.518	127387	333801	194.601	200.408
5)	L1 1016-4	9.447	6.695	85023	196973	193.825	201.125
6)	L1 1016-5	9.549	6.779	26810	141224	194.495	201.711
	Sum 1016 -1			416427	1040882	965.026	1013.549
	Average 1016 -1					193.005	202.710
7)	L2 1260-1	12.492	9.062	186900	322309	207.110	208.352
8)	L2 1260-2	12.928	9.503	217096	464125	200.672	207.743
9)	L2 1260-3	13.476	9.949	218696	354980	201.533	203.842
10)	L2 1260-4	15.325	11.056	149160	592651	203.798	205.986
11)	L2 1260-5	16.488f	12.602	95224	147343	208.077	200.725
	Sum 1260-1			867075	1881408	1021.191	1026.648
	Average 1260-1					204.238	205.330

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

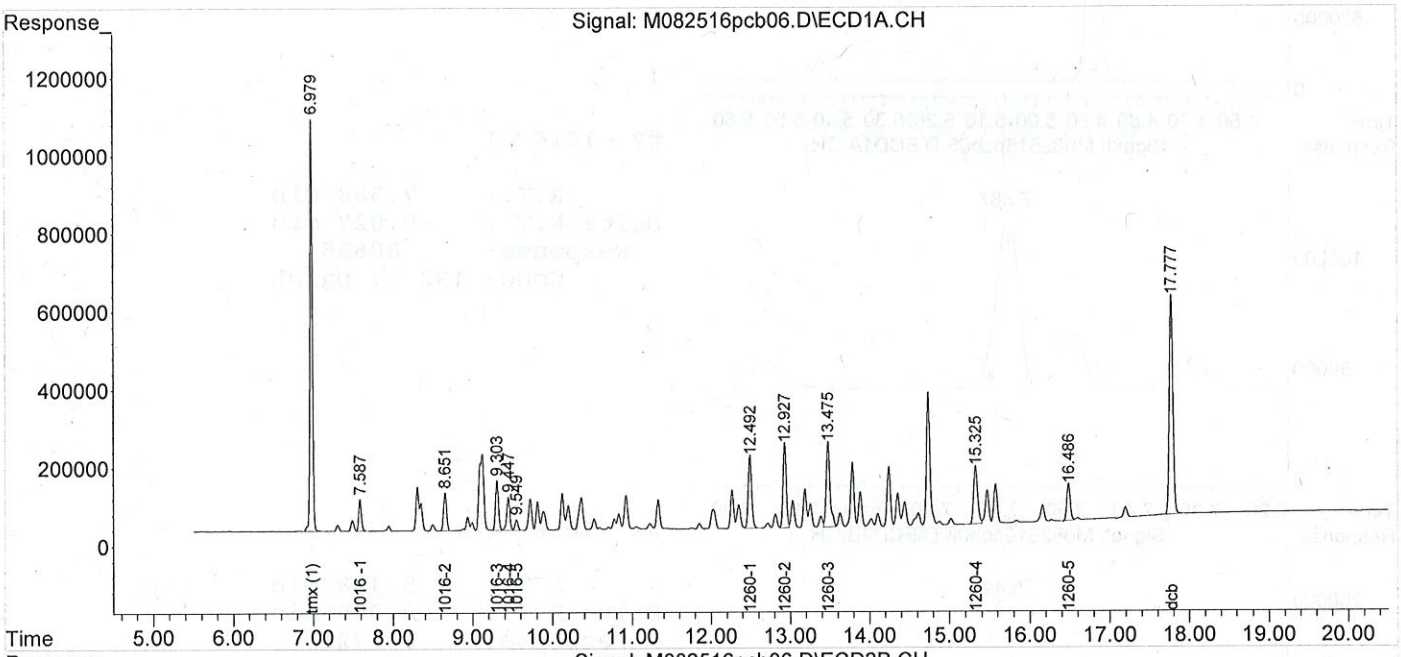
hw
9/19/16

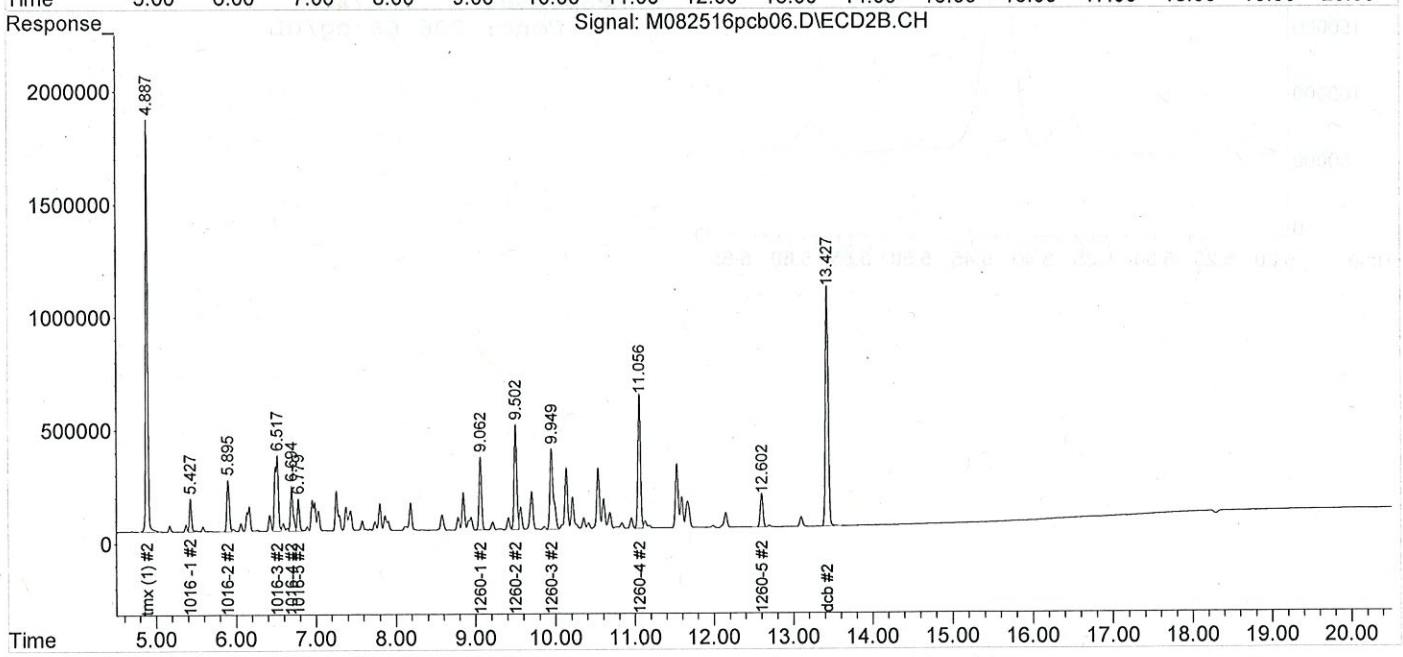
Quantitation Report (QT Reviewed)

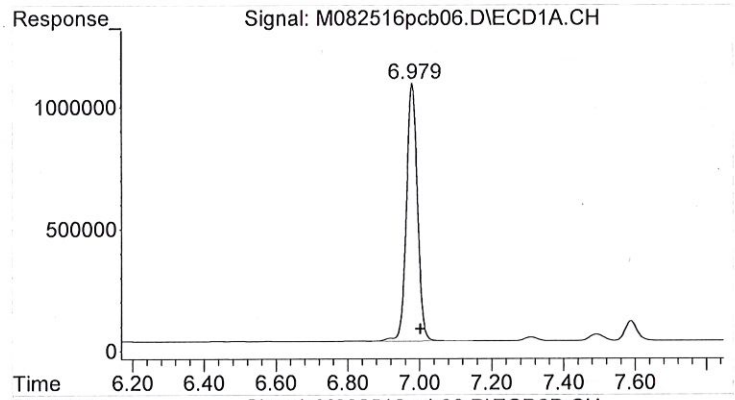
Data Path : J:\Organics\Minerva\MINERVA 2016 DATA\M082516PCBDW\
Data File : M082516pcb06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Aug 2016 10:03 am
Operator : DWOOD
Sample : 92O082416L2
Misc : Sky Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:46:31 2016
Quant Method : J:\Organics\Minerva\Methods\M081916PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Aug 19 13:11:44 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

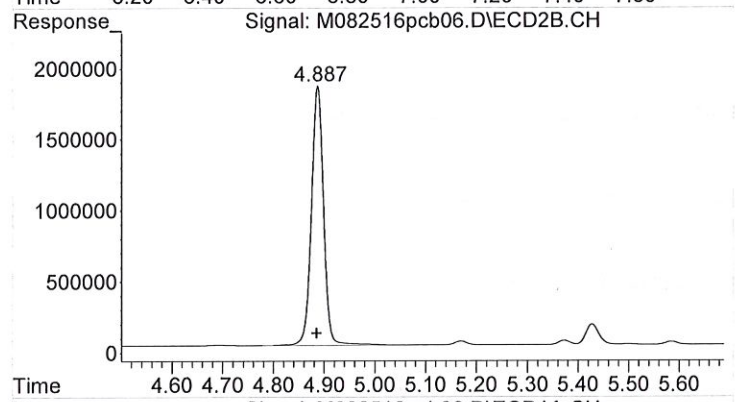






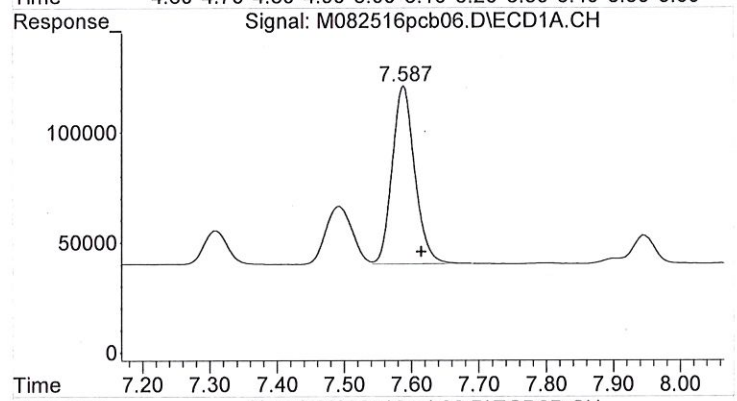
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.024 min
Response: 1055645
Conc: 49.05 pg/uL



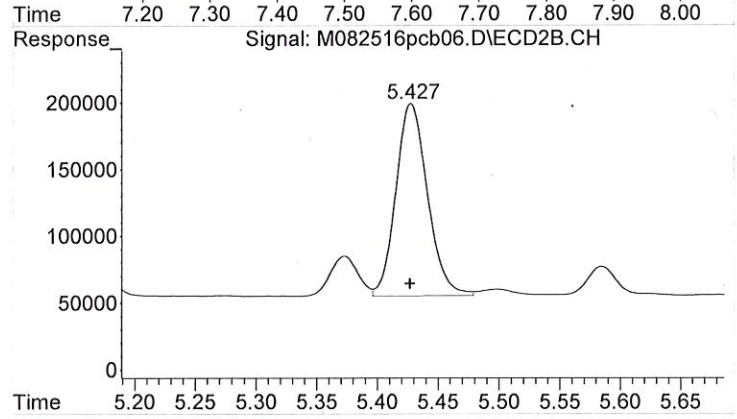
#1 tmx (1)

R.T.: 4.887 min
Delta R.T.: 0.001 min
Response: 1823736
Conc: 53.19 pg/uL



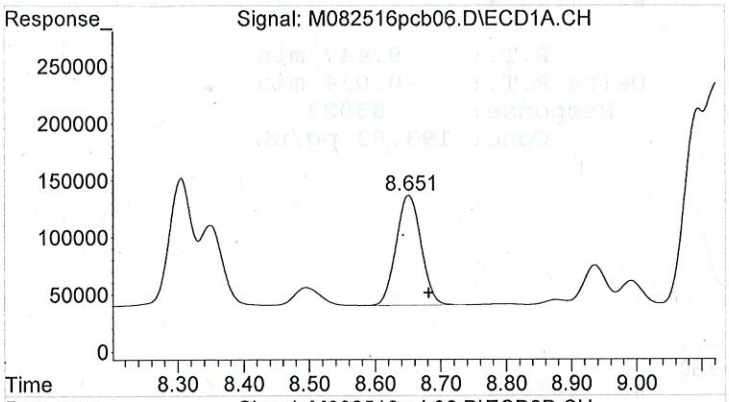
#2 1016 -1

R.T.: 7.588 min
Delta R.T.: -0.027 min
Response: 80836
Conc: 192.17 pg/uL



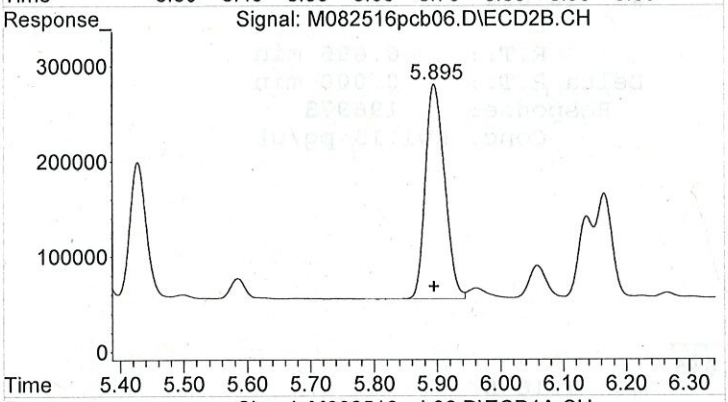
#2 1016 -1

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 143721
Conc: 206.66 pg/uL



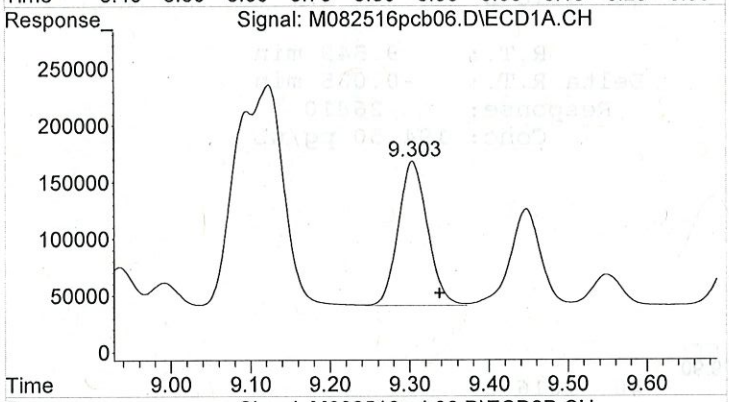
#3 1016-2

R.T.: 8.651 min
Delta R.T.: -0.031 min
Response: 96371
Conc: 189.94 pg/uL



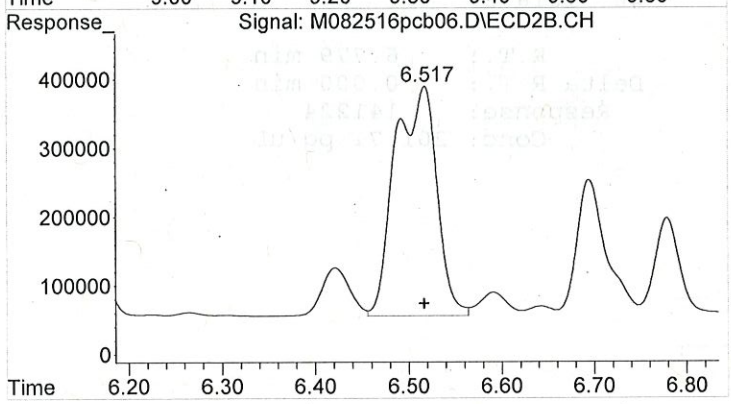
#3 1016-2

R.T.: 5.896 min
Delta R.T.: 0.000 min
Response: 225162
Conc: 203.65 pg/uL



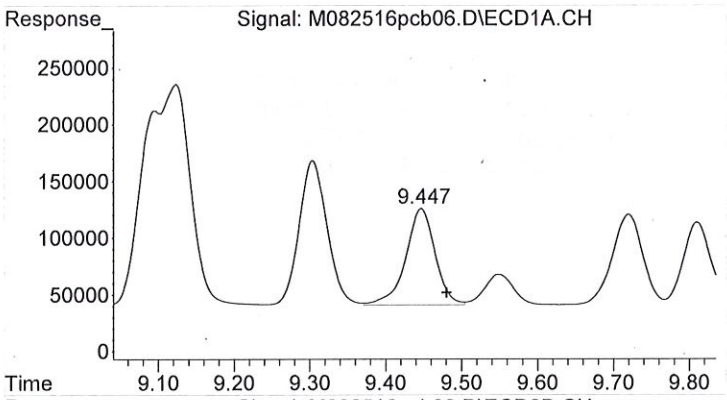
#4 1016-3

R.T.: 9.304 min
Delta R.T.: -0.034 min
Response: 127387
Conc: 194.60 pg/uL



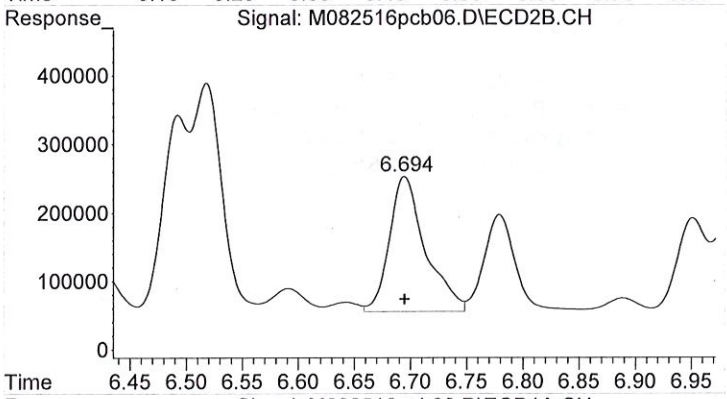
#4 1016-3

R.T.: 6.518 min
Delta R.T.: 0.000 min
Response: 333801
Conc: 200.41 pg/uL



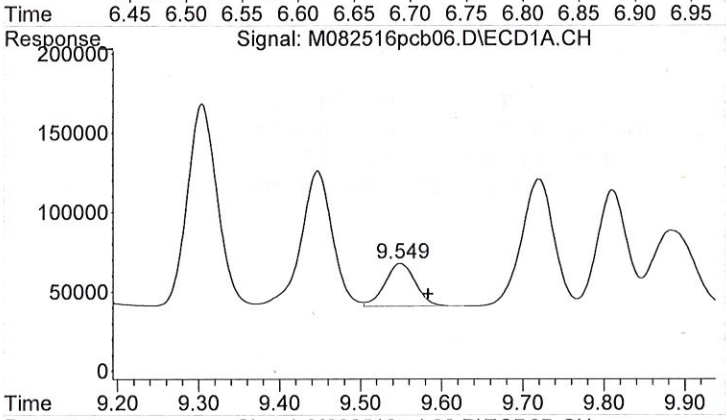
#5 1016-4

R.T.: 9.447 min
Delta R.T.: -0.034 min
Response: 85023
Conc: 193.83 pg/uL



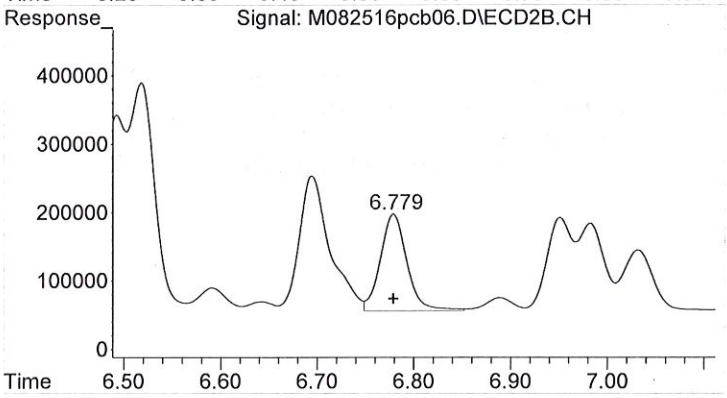
#5 1016-4

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 196973
Conc: 201.13 pg/uL



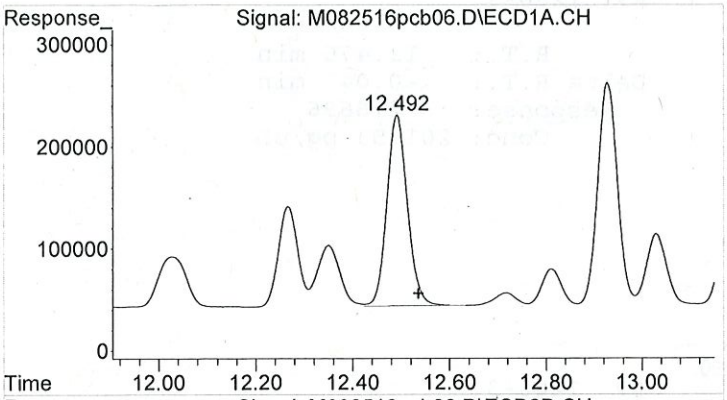
#6 1016-5

R.T.: 9.549 min
Delta R.T.: -0.035 min
Response: 26810
Conc: 194.50 pg/uL



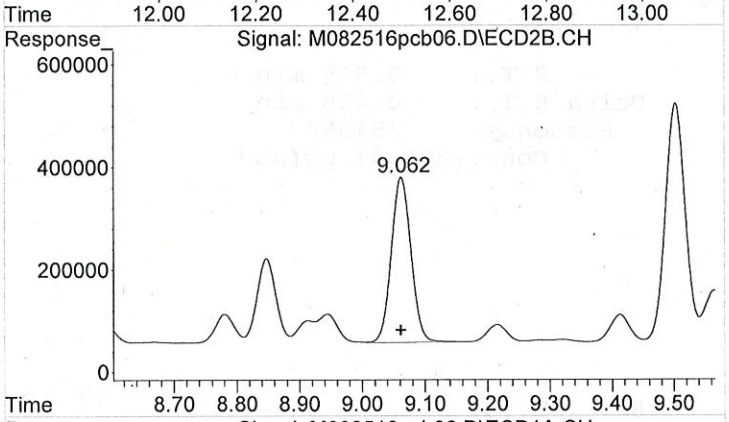
#6 1016-5

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 141224
Conc: 201.71 pg/uL



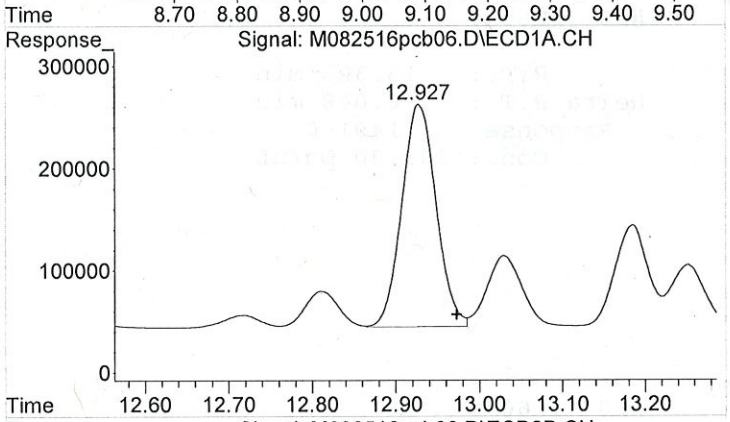
#7 1260-1

R.T.: 12.492 min
Delta R.T.: -0.044 min
Response: 186900
Conc: 207.11 pg/uL



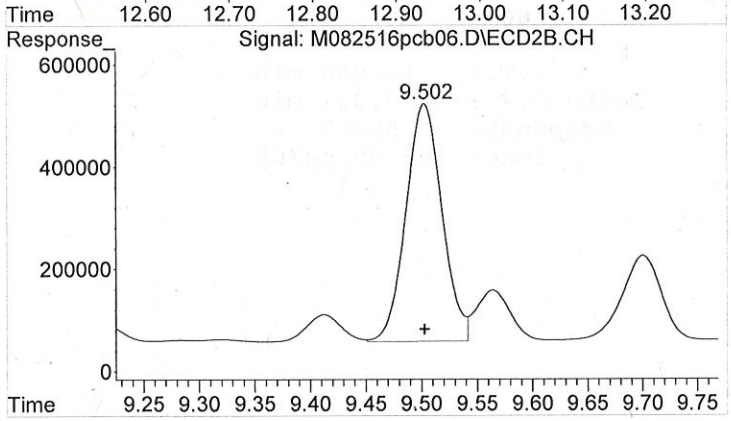
#7 1260-1

R.T.: 9.062 min
Delta R.T.: 0.000 min
Response: 322309
Conc: 208.35 pg/uL



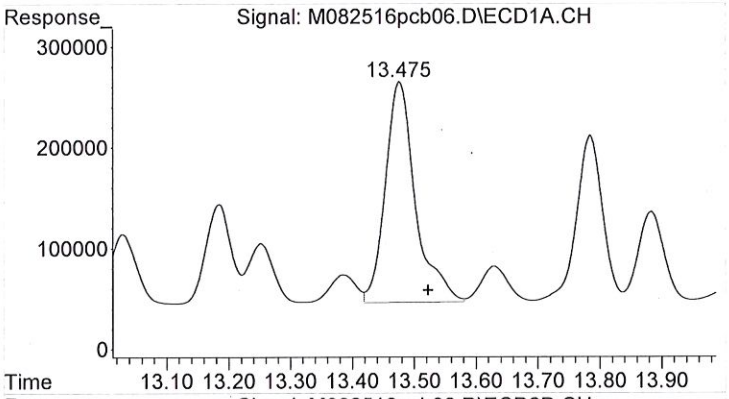
#8 1260-2

R.T.: 12.928 min
Delta R.T.: -0.045 min
Response: 217096
Conc: 200.67 pg/uL



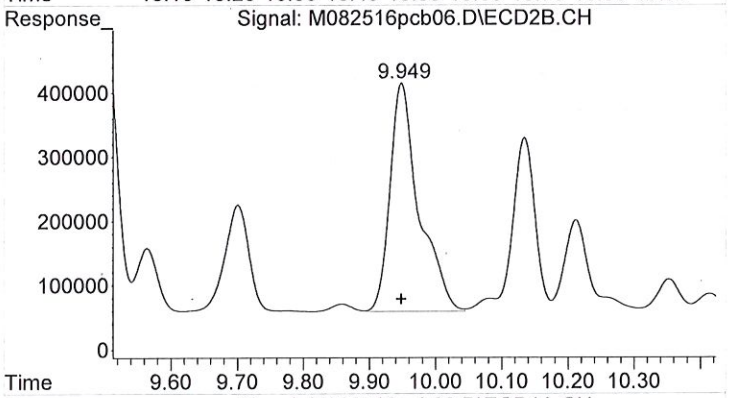
#8 1260-2

R.T.: 9.503 min
Delta R.T.: 0.000 min
Response: 464125
Conc: 207.74 pg/uL



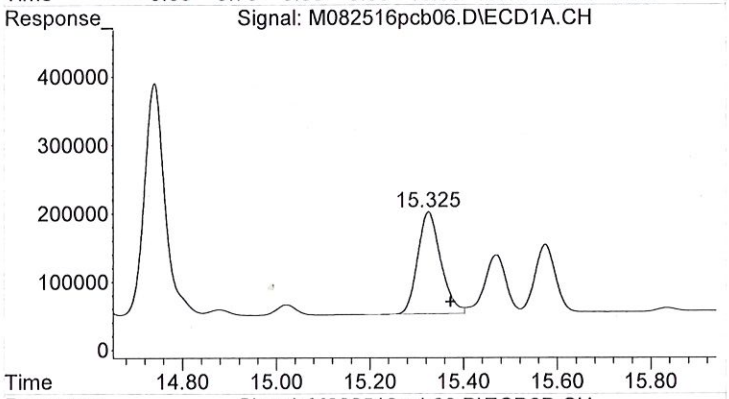
#9 1260-3

R.T.: 13.476 min
Delta R.T.: -0.047 min
Response: 218696
Conc: 201.53 pg/uL



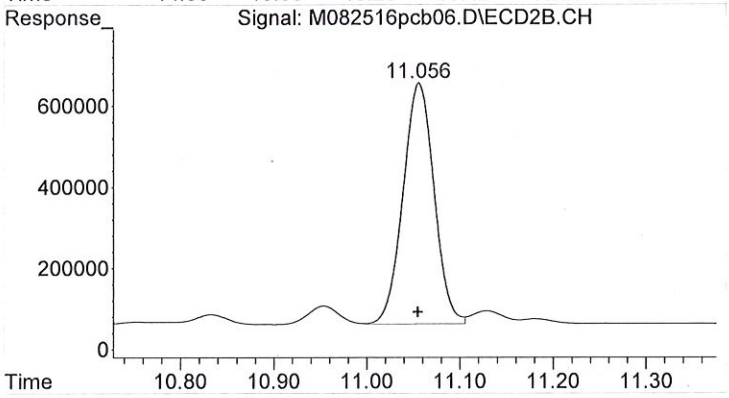
#9 1260-3

R.T.: 9.949 min
Delta R.T.: 0.000 min
Response: 354980
Conc: 203.84 pg/uL



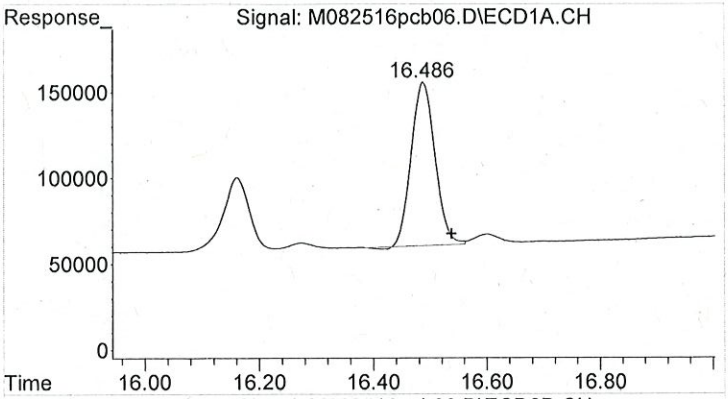
#10 1260-4

R.T.: 15.325 min
Delta R.T.: -0.048 min
Response: 149160
Conc: 203.80 pg/uL



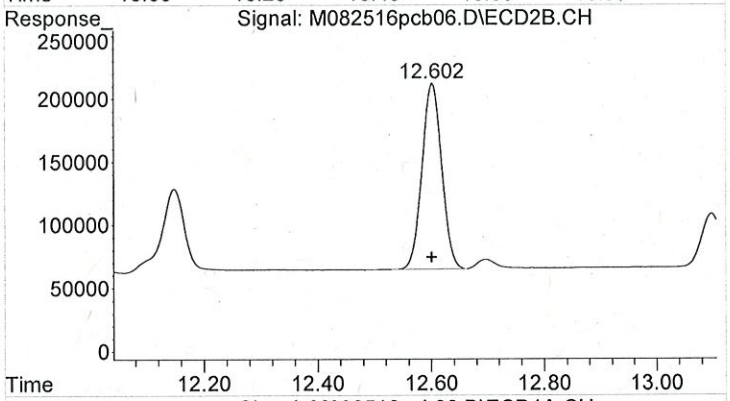
#10 1260-4

R.T.: 11.056 min
Delta R.T.: 0.001 min
Response: 592651
Conc: 205.99 pg/uL



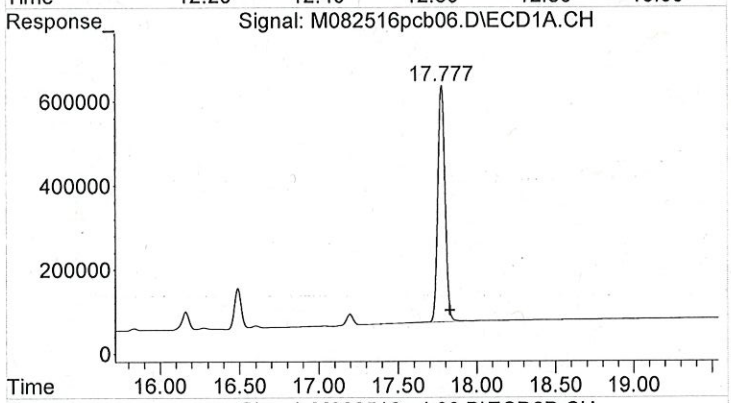
#11 1260-5

R.T.: 16.488 min
Delta R.T.: -0.050 min
Response: 95224
Conc: 208.08 pg/uL



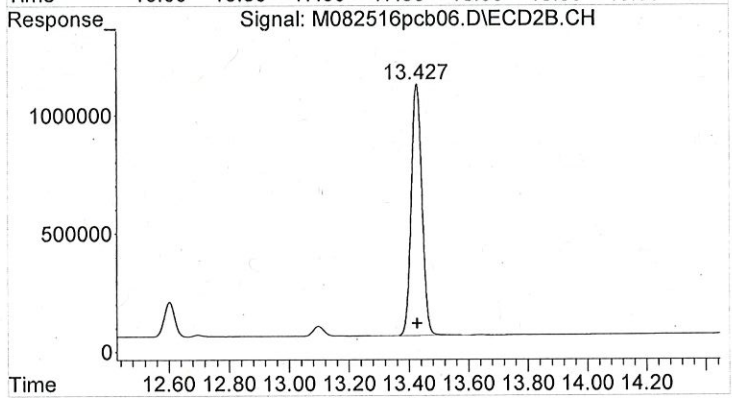
#11 1260-5

R.T.: 12.602 min
Delta R.T.: 0.001 min
Response: 147343
Conc: 200.72 pg/uL



#12 dcb

R.T.: 17.777 min
Delta R.T.: -0.053 min
Response: 561548
Conc: 49.12 pg/uL



#12 dcb

R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 1062932
Conc: 49.87 pg/uL

- Supporting Data
    a. Extraction Documentation
    b. Standard Documentation
    c. COCs

L 00092 - 94
BOOK PAGE

8/24/16 Sky Valley Education Center
PCB in Wipes + insulation SOP Or_P042A

Sample		Time ext.	
920082416B1		1330	
L1			Hexane Lot DN323
L2			
16334000			
02			
04			
01			Empty Vial
03	Wt. Ext. 1.10g		insulation

All Samples received 100 ml 87PCB011916A Surrogate. Samples 920082416L1 + L2 also received 50 ml 87PCB091715A matrix spike.
Spike witness: [signature]

All Samples extracted with 40 ml hexane on a mechanical Shaker for 15 minutes. A 10 ml aliquot of each Sample was concentrated to 2.5 ml for a 10 ml Final Volume. A 1 ml portion of each sample was treated with conc. H_2SO_4 and copper granules.
TM

~~6/27/16~~ 6/27/16 1016/1260 PCB Stock
[87PCB062716A] in Hexane

250 ml Restek #32299 Aroclor 1016/1260 mix
Lot # A094884 200 ug/ml x 7/2019

1000 ml 87PCB011916A

Diluted to 10ml in Hexane
x 6/2017 DW

~~6/27/16~~ 6/27/16 1016/1260 PCB Initial Calibration
in Hexane

Std	Stock 87PCB062716A (ml)	Final Volume (ml)	Final PCB conc (pg/ul)	Final Surr. conc. (pg/ul)
[87PCB062716B]	5	1	25	2.5
C	10	1	50	5
D	20	1	100	10
E	50	1	250	25
F	100	1	500	50
G	200	1	1000	100
H	500	1	2500	250

x 6/2017 DW

~~6/27/16~~ 6/27/16 1016/1260 PCB Cont. Cal Solution
in Hexane

[87PCB062716I]

100 ml ⇒ 5 ml Hexane
87PCB062716A

x 6/2017 DW

8/19/16 PCB 1260 Second Source Stock
@ 100 mg/ml
[87PCB081916J]

100 ml

EPA-1362
Lot: CK-1444
Exp: 05/31/2017
ULTRA
1 mL
Aroclor 1260 Solution
1 analyte(s) at 1000 µg/mL in
isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

⇒ 1 ml Hexane
X 2/2017 DW

8/19/16 PCB 1260 Second Source Std
@ 100 µg/ml
[87PCB081916K]

10 ml ⇒ 10 ml Hexane
87PCB081916J X 2/2017 DW

8/24/16 BNA Surrogate @ 100 mg/mL
CP
[87BNA082416A]

500 mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
814-353-1300
31810
Warning
Lot# A0115813
OLC03.2 SVOA Deuterated Monitoring Compounds Mix
Expire : 09/2019 Store 10°C or colder
Full Label information for the product is provided on the outside package.
1 mL
For Laboratory Use Only
Made in USA

Diluted to 10 mL EtOAc
EtOAc Lot DN 794
X: ~~8/24/16~~ CP 8/24/16
8/24/17

[87BNA082416B]

Same as ~~[~~87BNA082416A (taken from same ampule).

CP 8/24/16

1/19/2016 1016/1260 PCB Initial Calibration in Hexane

Std	Stock 87PCB011916B (ul)	Final Volume (ml)	Final PCB Conc. (Pg/ul)	Final Surrogate Conc. (pg/ul
[87PCB011916C]	5	1	25	2.5
D	10	1	50	5
E	20	1	100	10
F	50	1	250	25
G	100	1	500	50
H	200	1	1000	100
I	500	1	2500	250

X 1/2017

DW

1/19/2016 PCB Instrument Blank @ 100 pg/ul

[87PCB011916J]

20ul 87PCB011916A ⇒ 10ml hexane

X 1/2017

DW

L 00087 - 48
BOOK PAGE

1/19/2016 PCB Surrogate Solution
@ 5ug/ml

[87PCB011916A]

Accu-standard
CLP-032R-WL-5X-50mL
Pesticide Surrogate mix
5 ug/ml in Acetone
Lot # 213071007 Exp 7/2023

DW

1/19/2016 1016/1260 PCB Stock
@ 5000 pg/ml Tmx, PCB @ 500 pg/ml

[87PCB011916B]

250 ml

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog# 32299
This product contains PCB's
Aroclor ® 1016/1260 Mix
200 ug/mL each in Isooctane
Lot# A094864 Exp. Date: 07/2019 Store: 25°C nominal

1000 ml 87PCB011916A

Diluted to 10 ml in Hexane

X 1/2017

DW

2/8/16 PCB Second Source
each @ 100 ng/ml - PCB 1221 @ 200 ng/ml

[87PCB020816A]

CLP-282-1
Lot: T-0009Y
Exp: 09/30/2019
ULTRA
1 mL
Aroclor 1221 Standard
3 analyte(s) at various concentrations in isooctane (2,2,4-trimethylpentane)
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

[87PCB020816B]

CLP-283-1
Lot: T-0010Y
Exp: 09/30/2019
ULTRA
1 mL
Aroclor 1232 Standard
3 analyte(s) at various concentrations in isooctane (2,2,4-trimethylpentane)
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

[87PCB020816C]

CLP-284-1
Lot: T-0018Y
Exp: 09/30/2019
ULTRA
1 mL
Aroclor 1242 Standard
3 analyte(s) at various concentrations in isooctane (2,2,4-trimethylpentane)
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

[87PCB020816D]

CLP-285-1
Lot: T-0033Y
Exp: 09/30/2019
ULTRA
1 mL
Aroclor 1248 Standard
3 analyte(s) at various concentrations in isooctane (2,2,4-trimethylpentane)
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

[87PCB020816E]

CLP-286-1
Lot: T-0034Y
Exp: 09/30/2019
ULTRA
1 mL
Aroclor 1254 Standard
3 analyte(s) at various concentrations in isooctane (2,2,4-trimethylpentane)
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

Exp 8/8/2016
PW

9/17/2015
M Sherman

[87 PCB 091715A]

1016/1260 Spike
40ng/µL

87PCB091715A
1016/1260 SPIKE
40ng/µL ACETONE
X:09/17/2016

RESTEK
110 Banner Circle
Bellefonte, PA 16823
Made in USA
Catalog# 32299
This product contains PCB's
Aroclor ® 1016/1260 Mix
200 ug/mL each in Isooctane
Lot# A094864 Exp. Date: 07/2019 Store: 25°C nominal

1000µL

⇒ 5mL Acetone Lot DM245
X: 9/17/2016

[87 PCB091715B]

1016/1260 LOW Spike
4ng/µL

87PCB091715B
1016/1260 LOW SPIKE
4ng/µL ACETONE
X:09/17/2016

RESTEK
110 Banner Circle
Bellefonte, PA 16823
CS
Catalog# 32299
This product contains PCB's
Aroclor ® 1016/1260 Mix
200 ug/mL each in Isooctane
Lot #A094864
Exp. Date:07/2019
Made in USA
Store: 25°C nominal
FOR LABORATORY USE ONLY

200µL

⇒ 10mL Acetone Lot DM245
X: 9/17/2016

PCB SSV Set [87PCB091715C-H]

CLP-281-1
Lot: CK-4343
Exp: 01/31/2018
ULTRA 1 mL
Aroclors 1016 and 1260 Standard
4 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715C
1016/126 SSV
100pg/µL
X2°:3/17/2016

CLP-282-1
Lot: T-0009X
Exp: 05/31/2016
ULTRA 1 mL
Aroclor 1221 Standard
3 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715D
1221 SSV
200pg/µL
X2°:3/17/2016

CLP-283-1
Lot: T-0010X
Exp: 05/31/2016
ULTRA 1 mL
Aroclor 1232 Standard
3 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715E
1232 SSV
100pg/µL
X2°:3/17/2016

CLP-284-1
Lot: T-0018X
Exp: 05/31/2016
ULTRA 1 mL
Aroclor 1242 Standard
3 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715F
1242 SSV
100pg/µL
X2°:3/17/2016

CLP-285-1
Lot: T-0033X
Exp: 05/31/2016
ULTRA 1 mL
Aroclor 1248 Standard
3 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715G
1248 SSV
100pg/µL
X2°:3/17/2016

CLP-286-1
Lot: T-0034X
Exp: 05/31/2016
ULTRA 1 mL
Aroclor 1254 Standard
3 analyte(s) at various concentrations in Isooctane (2,2,4-trimethylpentane)
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

87PCB091715H
1254 SSV
100pg/µL
X2°:3/17/2016

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

MP Recd 7/8/2013

ACCREDITED
ISO Guide 34 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32299 Lot No.: A094864

Description : Aroclor ® 1016/1260 Mix

200µg/mL, Isooctane, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : July 2019 Storage: 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016 CAS # 12674-11-2 Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
			+/- 4.2504	µg/mL	Unstressed
			+/- 6.9193	µg/mL	Stressed
2	Aroclor 1260 CAS # 11096-82-5 Purity ----%	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
			+/- 4.2929	µg/mL	Unstressed
			+/- 6.9885	µg/mL	Stressed

Solvent: Isooctane
CAS # 540-84-1
Purity 99%

125 Market Street
New Haven, CT 06513
USA

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Fax (203)786-5287
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CERTIFICATE OF ANALYSIS

CATALOG NO: CLP-032R-WL-5X-50ML
DESCRIPTION: Pesticide Surrogate Mix
LOT: 213071007
SOLVENT: Acetone

EXPIRATION: Jul 9 , 2023
DATE CERTIFIED: Jul 9, 2013
SAMPLE SIZE: 50 mL
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

Refer to the MSDS for additional safety information

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	Cas Number	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Decachlorobiphenyl	2051-24-3	99.8	5.012	5.002
TCMX	877-09-8	97.8	5.124 *	5.011

MP7/15/13

2 Components

* Weight compensated to 100% purity

1. All weights are traceable through NIST, Test No. 822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

Certified by: R. Cooper
Russ Cooper, QC Manager

MP Rec'd 4/11/11

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Fax (203)786-5287
Website AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: C-254S-TP
Description: Aroclor 1254
Lot: 211021334
Solvent: Isooctane

Date Certified: Feb 23, 2011
Expiration: Feb 23, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Aroclor 1254	11097-69-1	Tech	100.2	100.2

Reference Standard

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

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CERTIFICATE OF ANALYSIS

Catalog No: C-242S-TP
Description: Aroclor 1242

Lot: B1020035
Solvent: Isooctane

Date Certified: Jan 10, 2012
Expiration: Jan 10, 2022
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Aroclor 1242	53469-21-9	Tech Mix	100.3	100.3

MP 7/15/13

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

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CERTIFICATE OF ANALYSIS

Catalog No: C-216S-TP
Description: Aroclor 1016
Lot: 211011126
Solvent: Isooctane
Hazards: HIGHLY FLAMMABLE - *Refer to SDS for safety info*

Danger 2

Date Certified: Jan 13, 2011
Expiration: Jan 13, 2021
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Aroclor 1016	12674-11-2	Tech Mix	100.8	100.8

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] All weights are traceable through NIST, Test No. 822/272103-05

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:
A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

See reverse side for additional information

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Aroclor 1221 Solution

Product Number: CLP-282

Lot Number: T-0009Y Lot Issue Date: 18-Aug-2015 Expiration Date: 30-Sep-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1221	011104-28-2	NT01017	200.0 ± 1.0 ng/mL
decachlorobiphenyl (BZ # 209)	002051-24-3	32453-47	20.0 ± 0.1 ng/mL
2,4,5,6-tetrachloro-m-xylene	000877-09-8	BN-09822PG	20.0 ± 0.1 ng/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15-30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ANAB ACCREDITED INTERNATIONAL TESTING LABORATORY

ISO 9001
Registered
TUV USA, Inc.

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Aroclor 1232 Solution

Product Number: CLP-283 **Page:** 1 of 1

Lot Number: T-0010Y **Lot Issue Date:** 18-Aug-2015 **Expiration Date:** 30-Sep-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.0 ± 0.5 ng/mL
decachlorobiphenyl (BZ # 209)	002051-24-3	32453-47	20.0 ± 0.1 ng/mL
2,4,5,6-tetrachloro-m-xylene	000877-09-8	BN-09822PG	20.0 ± 0.1 ng/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15-30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ANAB ACCREDITED TESTING LABORATORY

ISO 9001
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TUV USA, Inc.

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Aroclor 1242 Solution

Product Number: CLP-284 **Page:** 1 of 1

Lot Number: T-0018Y **Lot Issue Date:** 18-Aug-2015 **Expiration Date:** 30-Sep-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.0 ± 0.5 ng/mL
decachlorobiphenyl (BZ # 209)	002051-24-3	32453-47	20.0 ± 0.1 ng/mL
2,4,5,6-tetrachloro-m-xylene	000877-09-8	BN-09822PG	20.0 ± 0.1 ng/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15-30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ANAB ACCREDITED TESTING LABORATORY

ISO 9001
Registered
TUV USA, Inc.

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

TRIPLE ISO CERTIFICATION ULTRA ISO 17025 • ISO GUIDE 34 • ISO 9001

Aroclor 1248 Solution

Product Number: CLP-285 **Page:** 1 of 1

Lot Number: T-0033Y **Lot Issue Date:** 18-Aug-2015 **Expiration Date:** 30-Sep-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1248	012672-29-6	NT01718	100.0 ± 0.5 ng/mL
decachlorobiphenyl (BZ # 209)	002051-24-3	32453-47	20.0 ± 0.1 ng/mL
2,4,5,6-tetrachloro-m-xylene	000877-09-8	BN-09822PG	20.0 ± 0.1 ng/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15-30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ANAB ACCREDITED TESTING LABORATORY

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Aroclor 1254 Solution

Product Number: CLP-286 **Page:** 1 of 1

Lot Number: T-0034Y **Lot Issue Date:** 18-Aug-2015 **Expiration Date:** 30-Sep-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	NT01719	100.0 ± 0.5 ng/mL
decachlorobiphenyl (BZ # 209)	002051-24-3	32453-47	20.0 ± 0.1 ng/mL
2,4,5,6-tetrachloro-m-xylene	000877-09-8	BN-09822PG	20.0 ± 0.1 ng/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15-30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ANAB ACCREDITED TESTING LABORATORY

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William J. Leary
Quality Assurance Manager

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CERTIFICATE OF ANALYSIS

Catalog No: C-260S-TP
Description: Aroclor 1260

Lot: 212111284
Solvent: Isooctane

Date Certified: Nov 14, 2012
Expiration: Nov 14, 2022
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Aroclor 1260	11096-82-5	Tech Mix	100.0	100.0

MP 7/15/13

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

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USA

MP 6/27/13

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CERTIFICATE OF ANALYSIS

Catalog No: C-248S-TP
Description: Aroclor 1248

Lot: 212081436
Solvent: Isooctane

Date Certified: Aug 16, 2012
Expiration: Aug 16, 2022
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Aroclor 1248	12672-29-6	Tech Mix	100.1	100.1

Discontinued

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
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1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

EPA Region 10, 1200 Sixth Avenue, Seattle, WA 98101

Sample Custody & Analysis Required Form

EPA Manchester Laboratory, 7411 Beach Drive East, Port Orchard, WA 98366, 360-871-8700

Form Effective Date: July 2005

Revision 1

Project Name: Sky Valley Education Center	Project Code: OCE 009B
Account Code: 2016 2017 BIOP 501 E 50	EPA Project Manager/phone number: Michelle Mullins
Method of Shipment/carrier:	Airbill Number (if known prior to sealing): Hand Delivered

Check all that apply: ☒ Enforce/Custody ☒ Possible Toxic/Hazardous ☐ Data Confidential

Sampler Names (Print & Sign). Mark (R) after name of principal recorder.

Kendall Moore

If applicable, circle the set of selected metals:

Al	Sb	As	Ba	Be
B	Cd	Ca	Cr	Co
Cu	Fe	Pb	Mg	Mn
Mo	Ni	K	Se	Ag
Na	Sn	Tl	V	Zn

(see reverse for more to add/circle)

① Matrix Codes:
10 Water/Liquid (Total)
20 Water/Liquid (Filtered)
40 Sediment/Soil/Solid/Bulk
70 Tissue
80 Oil/Solvent
44 Air filter
42 Wipe/Swab[1]
00 _____

[1] PCB wipe is to be 10cm x 10cm (100 cm²)

#C ② enter the number of containers for each preservative type followed by the appropriate preservation code P ③:

A - HCl
B - HNO_3
C - NaOH
D - H_2SO_4
E - $Na_2S_2O_3$
F - ascorbic acid[2], then HCl
G - $Na_2S_2O_3$+EDTA
H - EDTA
N - No chemical preservation
P - Bottles pre-preserved at lab
T - To be preserved at the lab

[2] $Na_2S_2O_3$ if required by plan.

W - _____

☐ Check here if the cooler is iced

④ Enter the letter or range of letters on each container for each group of containers with the same preservative type. Each container for each unique sample number must have a unique letter on it.

Laboratory: see the applicable QAPP, SOW and/or Analytical Support Request for specific methods and detection, reporting, and/or quantitation limits

Sampler's comments for the laboratory:

EPA Sample number Yr	Wk	Sequence	Sampling Date & Time Yr	Mo	Day	Time	Matrix ①	#C ②	P ③	#C ②	P ③	#C ②	P ③	#C ②	P ③	Sampler Initials	Sample/Station Description/Field Measurements	Organics (see reverse) VOA	BNA	Pest	PCB	PAH	Metals (see reverse) CLP	Selected	Mercury	Micro (see reverse) E. Coli	F. Coliform	T. Coliform	General Chemistry (see reverse) TSS	TDS	BOD 5	NO2+NO3	Oil & Grease	Asbestos	Additional Write in Analyses (see reverse)			
1	6	3 3	4	0 0	0	1 6	0 8	1 8	1 0	4 0	4 2						KM	4oz Blank wipe	R01																			
					01				1 1	4 5	4 0							40ml Blank	R02		X																	
					02				1 0	5 0	4 2							Wipe of Classroom D floor	S01																			
					03				1 1	2 0	4 0							Solid insulation material	S02																			
					04				1 1	5 0	4 2							Wipe of pneumatic pump	S03		V																	

Chain of Custody Record

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Kendall Moore	8/19/16	9:39am			
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received by Mobile Lab for Field Analysis (Signature)	Date	Time
Shipped by (Signature)	Date	Time	Received for lab by (Signature)	Date	Time
				8/19/16	939

Receiving Laboratory Information Condition of Samples upon Receipt at Lab:

Hand Delivered

Custody Seals Intact: ☐ yes ☐ no ☒ none

Distribution: White - Laboratory Copy; Yellow - Regional Sample Control Center (RSCC) Copy; Pink - Field or Office Copy