Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:04 pm
Operator : DWOOD
Sample : 87PCB083016B
Misc : PCB 1254 ICAL 50 pg/uL
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:35:47 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Mar 31 07:30:01 2017
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	
Target Compounds							
1) L1 1254 -1	10.129	6.849	15855	43962	6.228	32.114	#
2) L1 1254-2	11.060	7.153	7849	24008	15.760	13.460	
3) L1 1254-3	11.446	7.757	22525	41280	25.754	36.279	#
4) L1 1254-4	11.766	8.126	19931	37092	81.908	19.744	#
5) L1 1254-5	11.954	8.414	13159	31029	3.058	39.636	#
Sum 1254 -1			79319	177371	132.708	141.233	
Average 1254 -1					26.542	28.247	

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

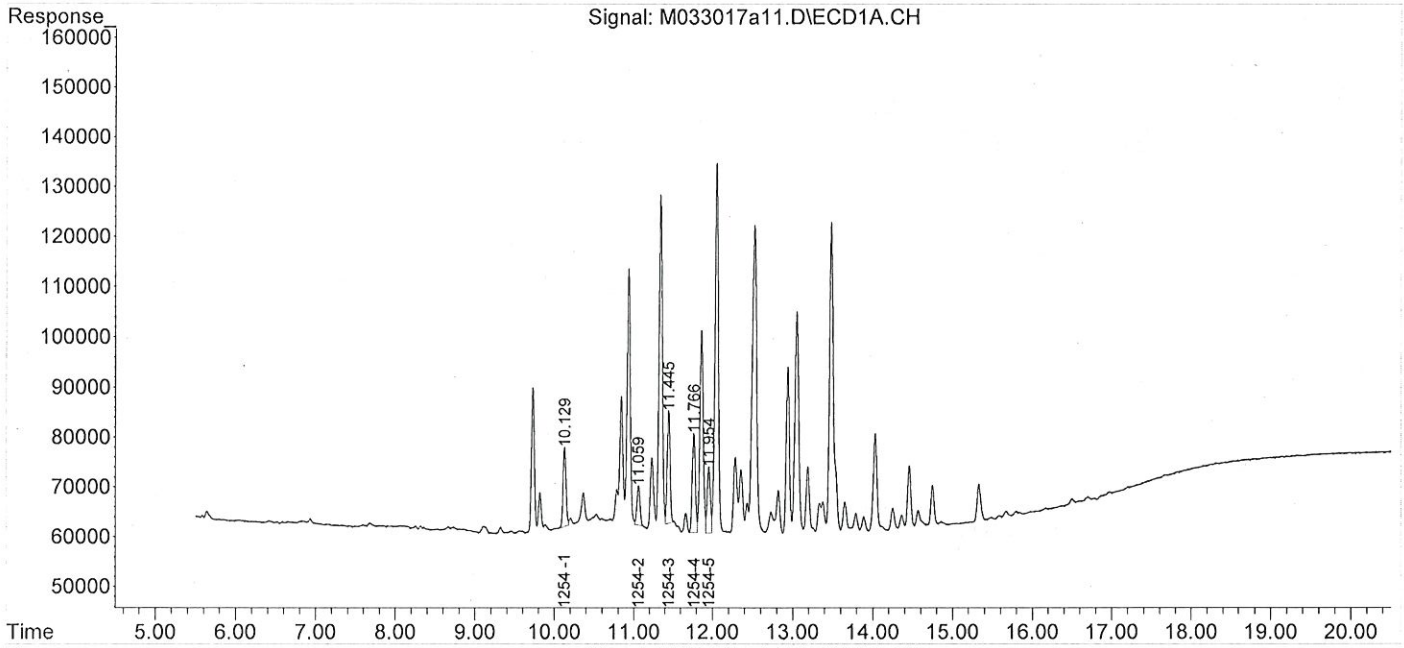
4/24/17

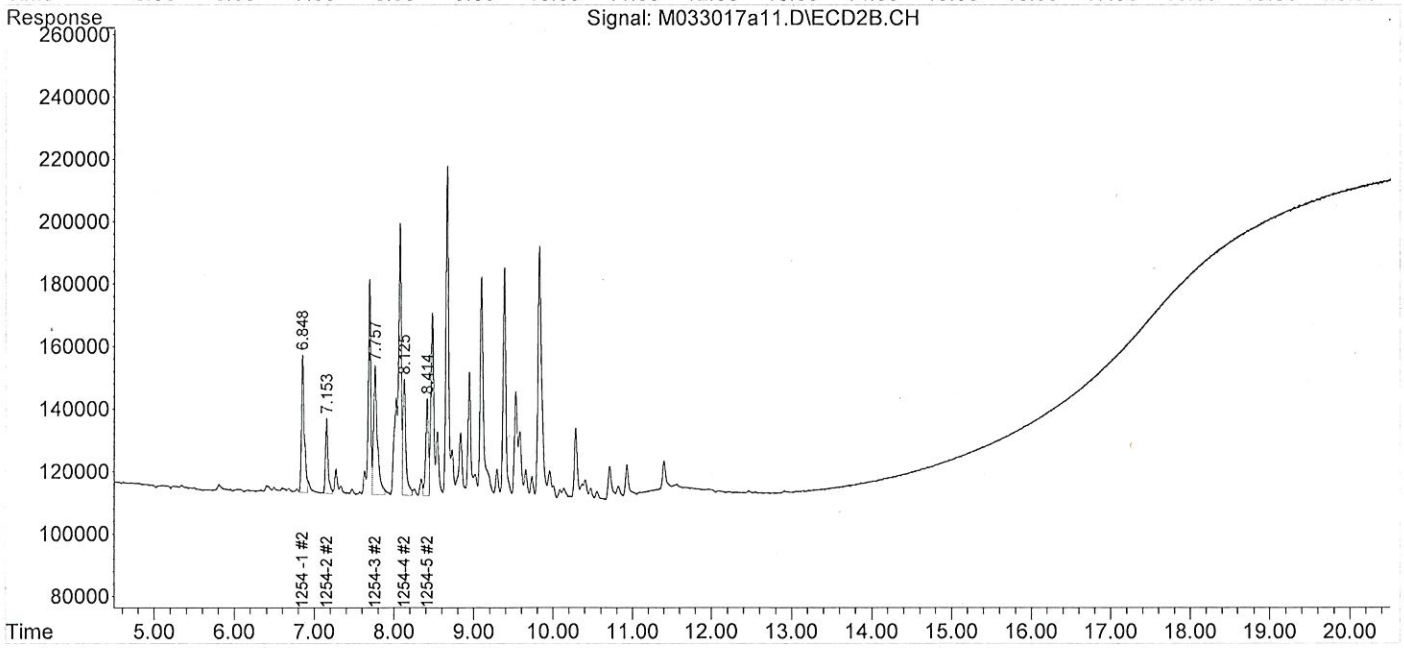
Quantitation Report (QT Reviewed)

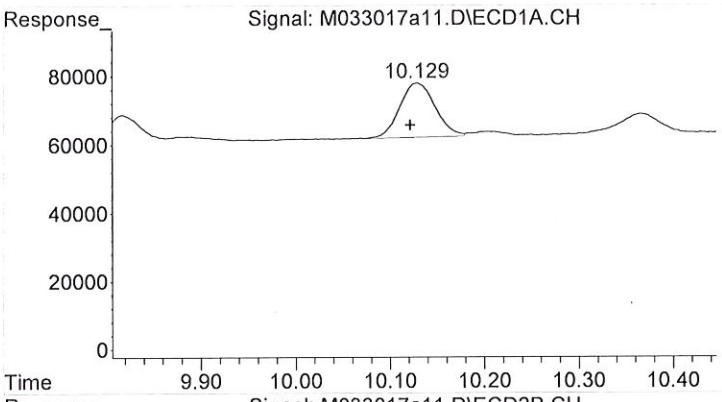
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:04 pm
Operator : DWOOD
Sample : 87PCB083016B
Misc : PCB 1254 ICAL 50 pg/uL
ALS Vial : 0 (Sig #1); 10 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:32:53 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

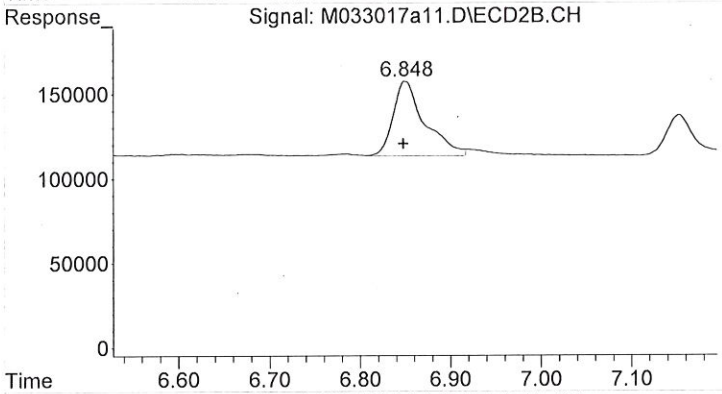






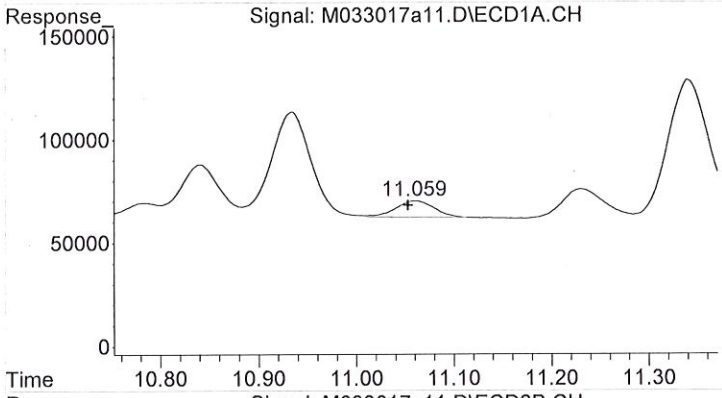
#2 1254 -1

R.T.: 10.129 min
Delta R.T.: 0.007 min
Response: 15855
Conc: 51.23 pg/uL



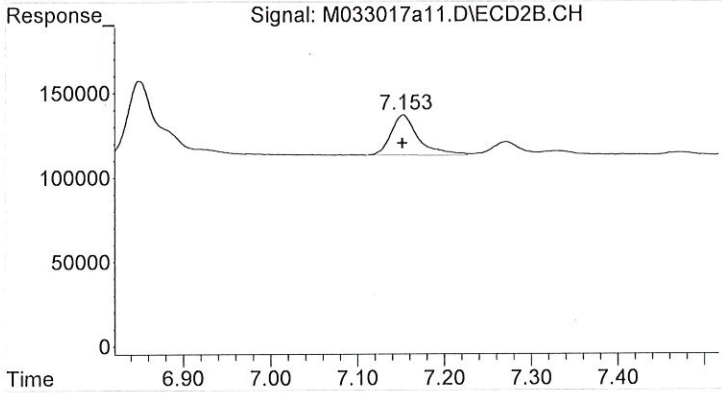
#2 1254 -1

R.T.: 6.849 min
Delta R.T.: 0.001 min
Response: 43962
Conc: 52.36 pg/uL



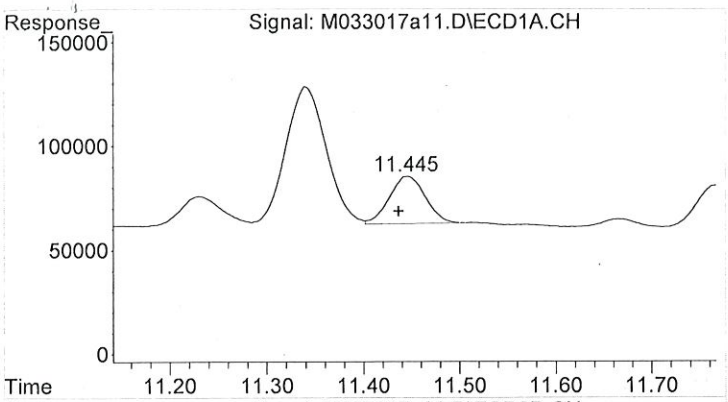
#3 1254-2

R.T.: 11.060 min
Delta R.T.: 0.007 min
Response: 7849
Conc: 49.06 pg/uL



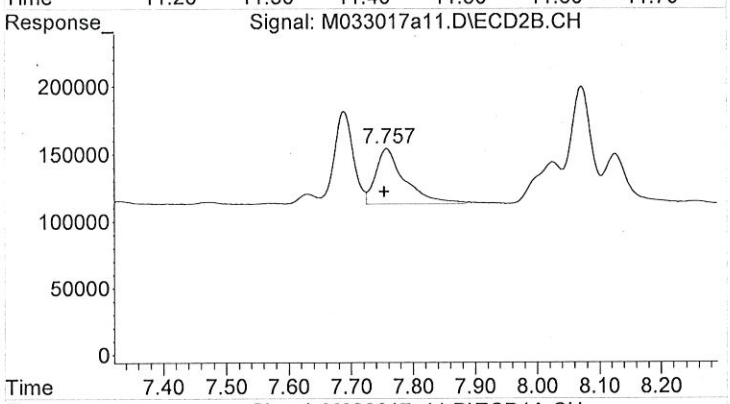
#3 1254-2

R.T.: 7.153 min
Delta R.T.: 0.001 min
Response: 24008
Conc: 53.40 pg/uL



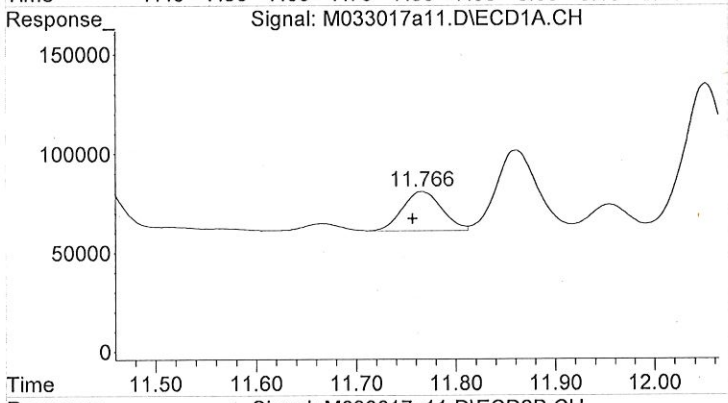
#4 1254-3

R.T.: 11.446 min
Delta R.T.: 0.009 min
Response: 22525
Conc: 49.86 pg/uL



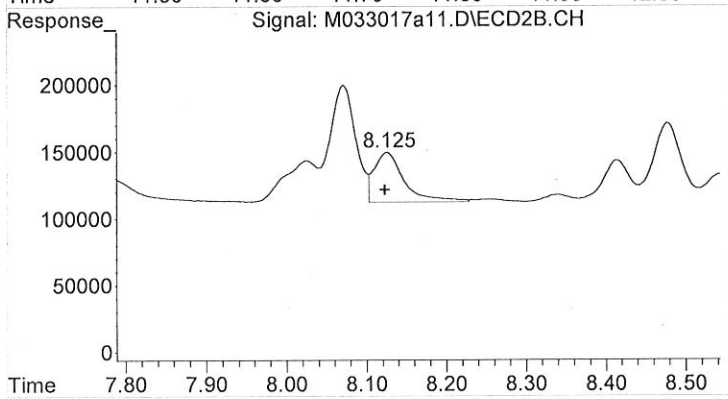
#4 1254-3

R.T.: 7.757 min
Delta R.T.: 0.003 min
Response: 41280
Conc: 52.52 pg/uL



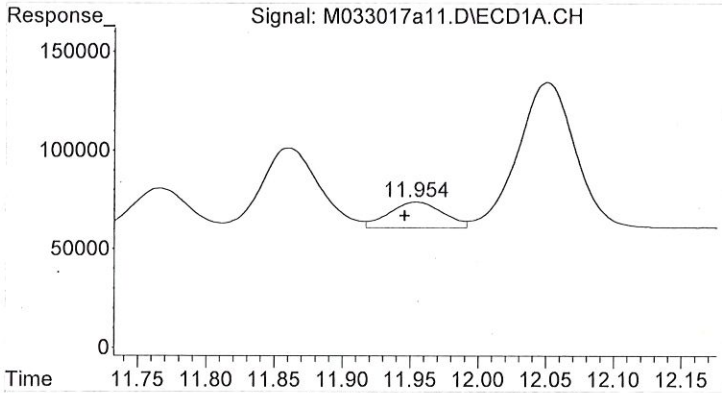
#5 1254-4

R.T.: 11.766 min
Delta R.T.: 0.009 min
Response: 19931
Conc: 52.40 pg/uL



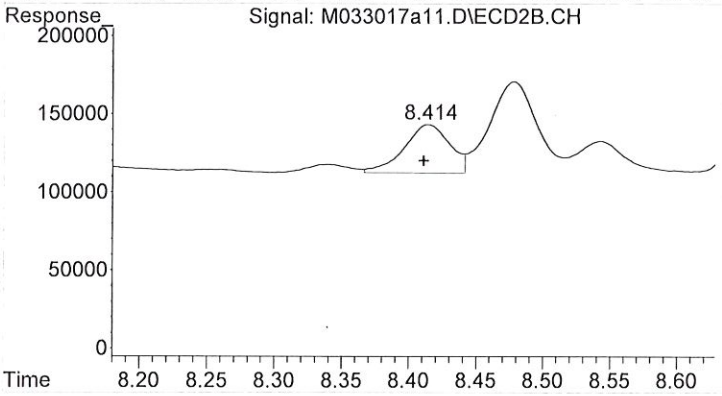
#5 1254-4

R.T.: 8.126 min
Delta R.T.: 0.003 min
Response: 37092
Conc: 50.52 pg/uL



#6 1254-5

R.T.: 11.954 min
Delta R.T.: 0.008 min
Response: 13159
Conc: 52.46 pg/uL



#6 1254-5

R.T.: 8.414 min
Delta R.T.: 0.003 min
Response: 31029
Conc: 51.11 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:28 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:06 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.122	6.848	30994	86391	107.630	105.196
3) L1 1254-2	11.053	7.152	15948	46061	109.105	102.686
4) L1 1254-3	11.437	7.754	46491	82848	110.884	105.328
5) L1 1254-4	11.757	8.123	38026	75739	107.282	105.778
6) L1 1254-5	11.946	8.411	25465	64734	105.975	106.011
Sum 1254 -1			156923	355772	540.875	525.000
Average 1254 -1					108.175	105.000

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

lw 4/24/17

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:28 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:35:56 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Mar 31 07:30:01 2017
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
Target Compounds						
1) L1 1254 -1	10.122	6.848	30994	86391	20.538	65.617 #
2) L1 1254-2	11.053	7.152	15948	46061	40.321	27.120 #
3) L1 1254-3	11.437	7.754	46491	82848	60.774	71.988
4) L1 1254-4	11.757	8.123	38026	75739	160.604	38.182 #
5) L1 1254-5	11.946	8.411	25465	64734	13.136	84.231 #
Sum 1254 -1			156923	355772	295.373	287.138
Average 1254 -1					59.075	57.428

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

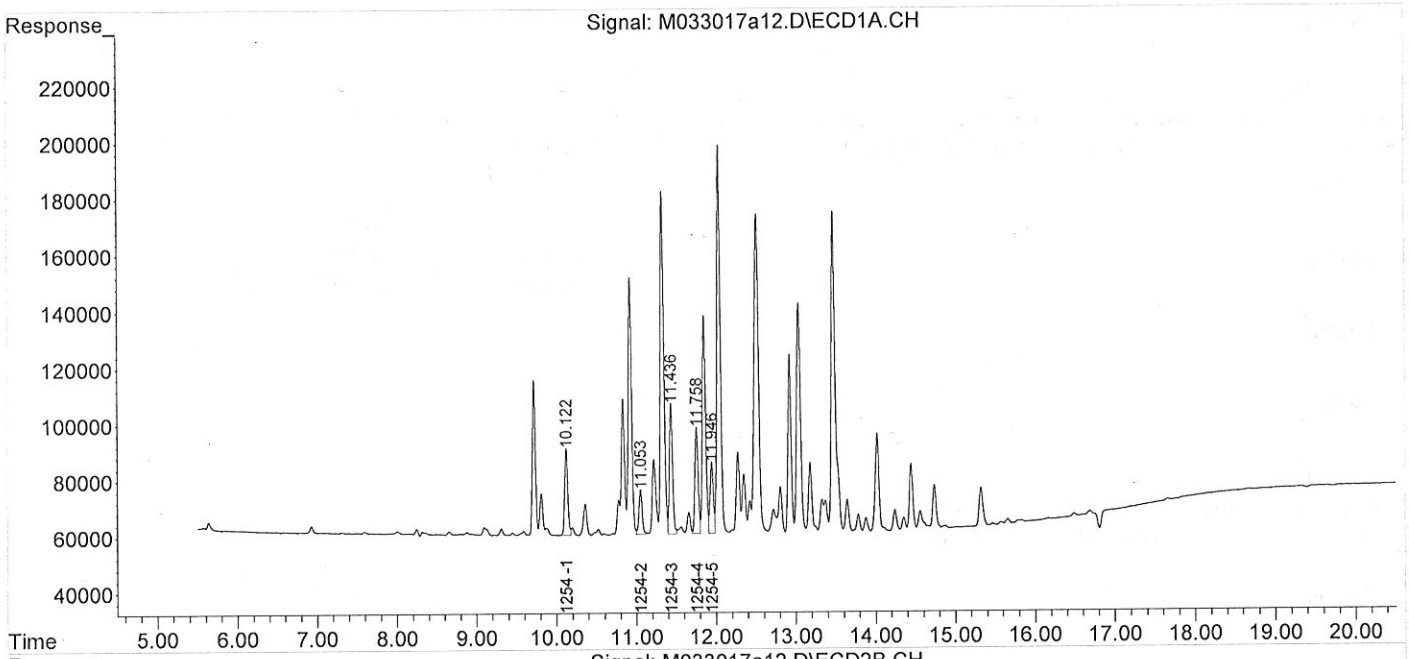
MW
4/24/17

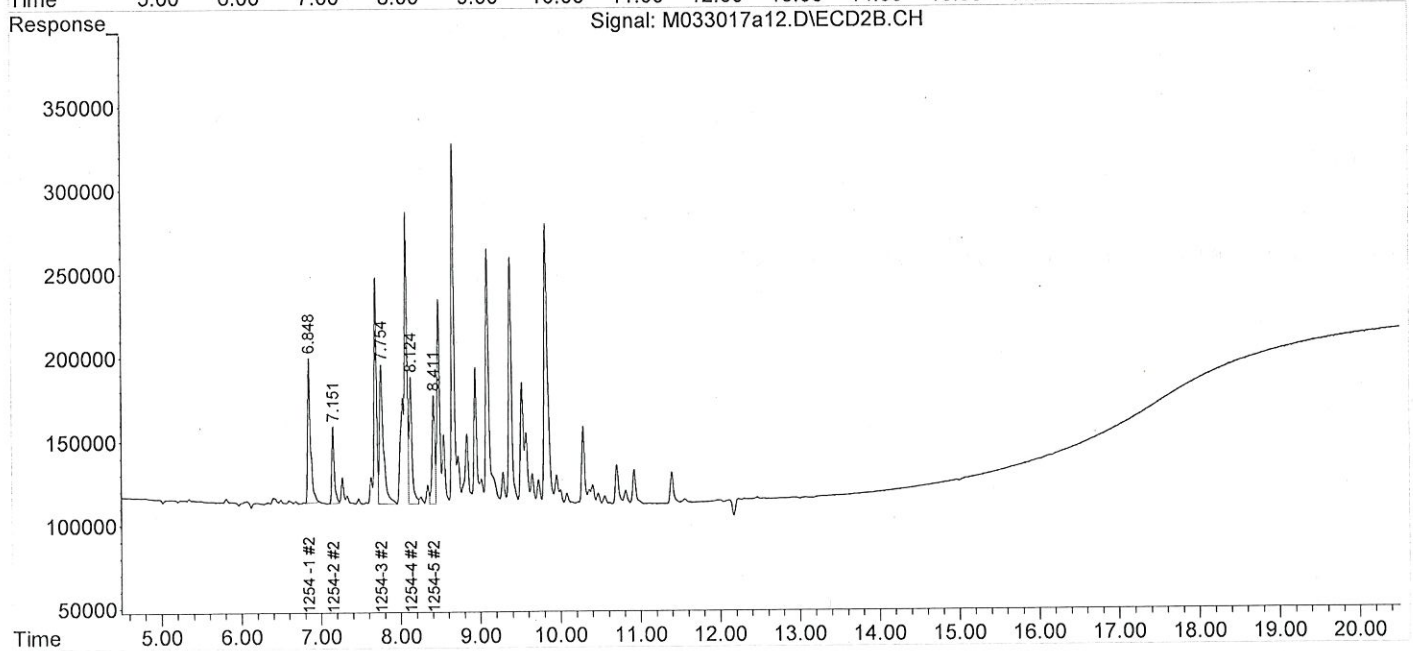
Quantitation Report (QT Reviewed)

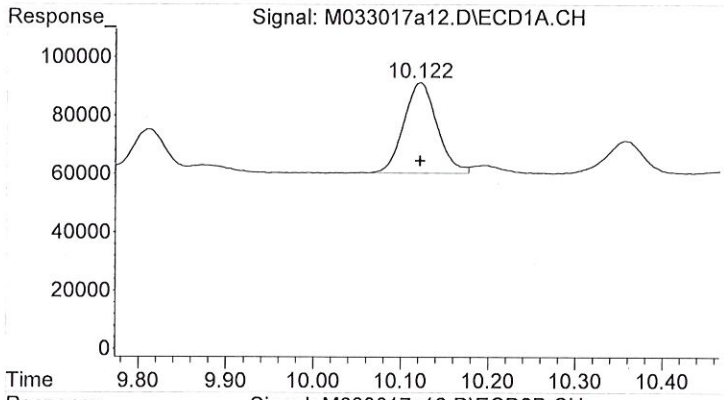
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:28 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 ICAL 100 pg/uL
ALS Vial : 0 (Sig #1); 11 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:06 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

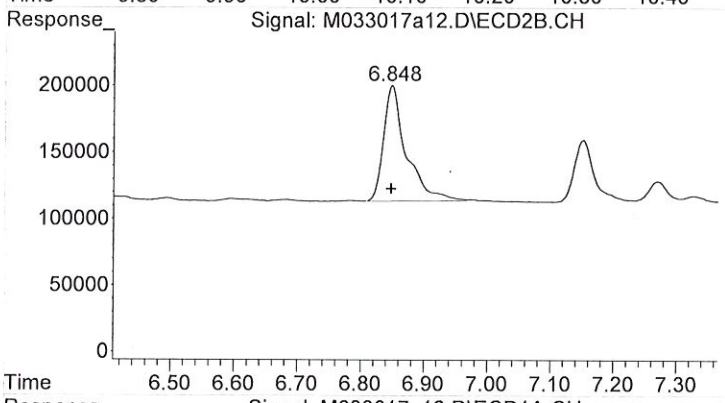






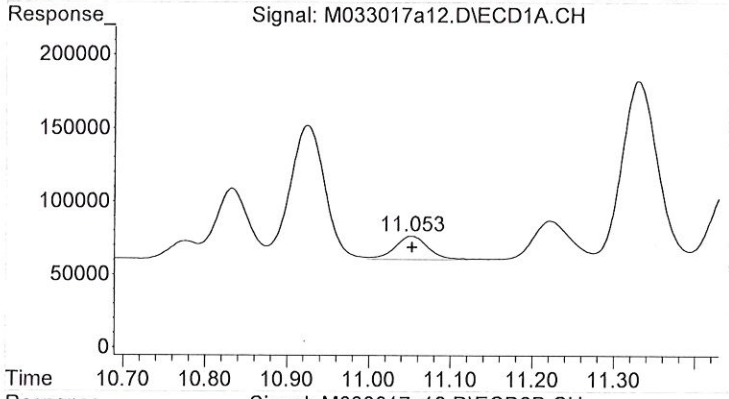
#2 1254 -1

R.T.: 10.122 min
Delta R.T.: 0.000 min
Response: 30994
Conc: 107.63 pg/uL



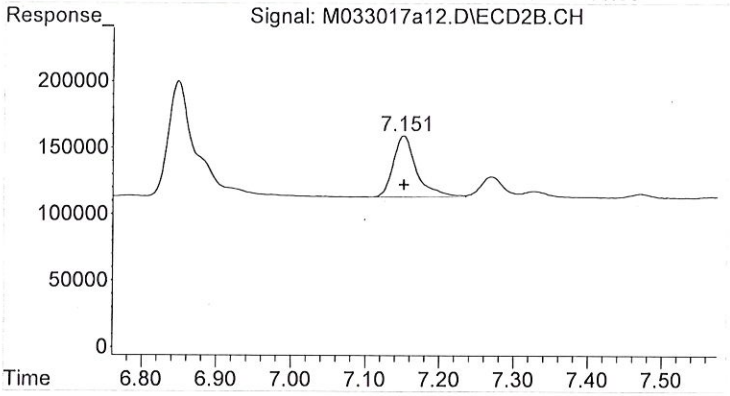
#2 1254 -1

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 86391
Conc: 105.20 pg/uL



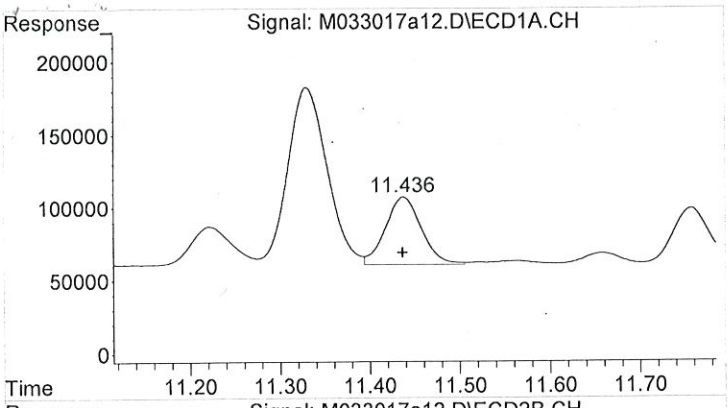
#3 1254-2

R.T.: 11.053 min
Delta R.T.: 0.000 min
Response: 15948
Conc: 109.10 pg/uL



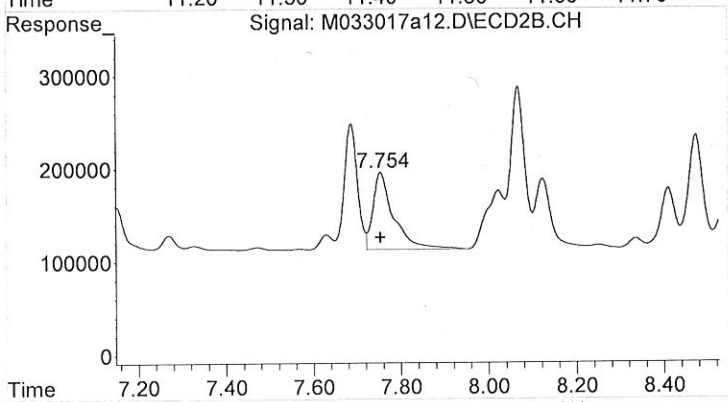
#3 1254-2

R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 46061
Conc: 102.69 pg/uL



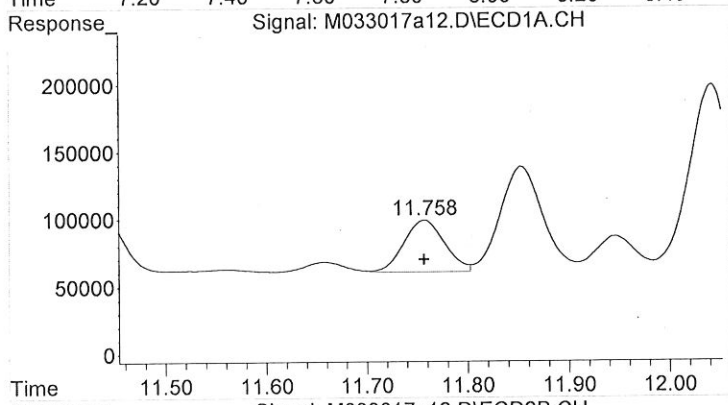
#4 1254-3

R.T.: 11.437 min
Delta R.T.: 0.000 min
Response: 46491
Conc: 110.88 pg/uL



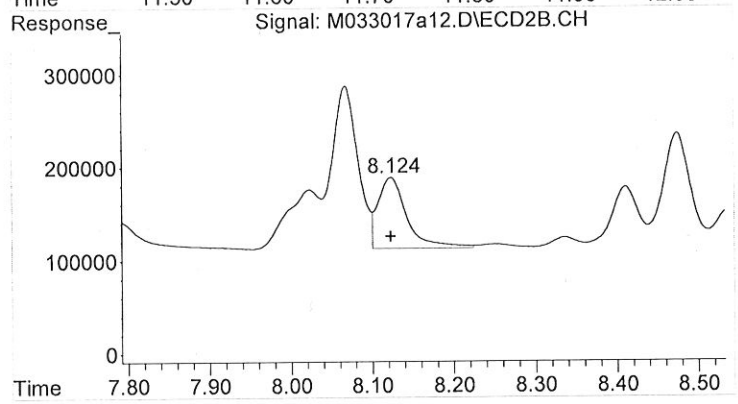
#4 1254-3

R.T.: 7.754 min
Delta R.T.: 0.000 min
Response: 82848
Conc: 105.33 pg/uL



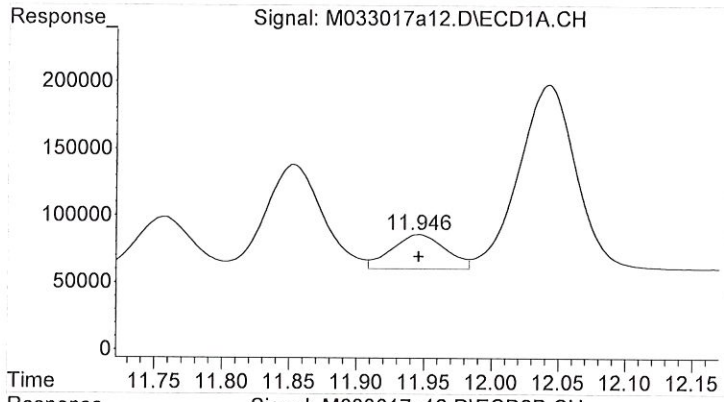
#5 1254-4

R.T.: 11.757 min
Delta R.T.: 0.000 min
Response: 38026
Conc: 107.28 pg/uL



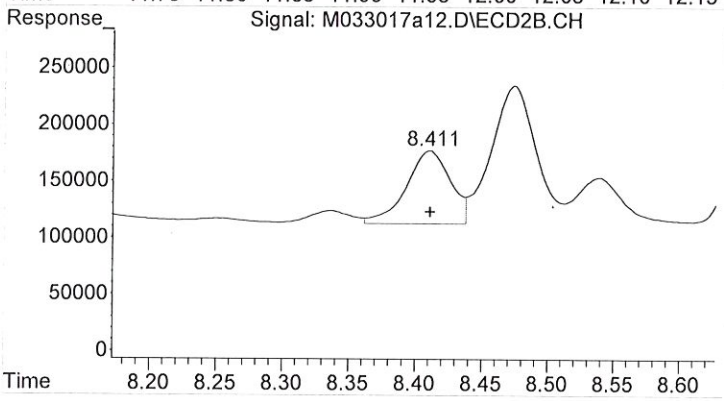
#5 1254-4

R.T.: 8.123 min
Delta R.T.: 0.000 min
Response: 75739
Conc: 105.78 pg/uL



#6 1254-5

R.T.: 11.946 min
Delta R.T.: 0.000 min
Response: 25465
Conc: 105.97 pg/uL



#6 1254-5

R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 64734
Conc: 106.01 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:53 pm
Operator : DWOOD
Sample : 87PCB083016D
Misc : PCB 1254 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:19 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.119	6.846	69697	202696	251.820	250.020
3) L1 1254-2	11.049	7.149	35338	111442	252.868	248.797
4) L1 1254-3	11.435	7.752	101647	191956	251.337	243.940
5) L1 1254-4	11.754	8.121	85409	179016	250.984	253.455
6) L1 1254-5	11.944	8.408	58217	152788	248.409	249.431
Sum 1254 -1			350308	837898	1255.417	1245.643
Average 1254 -1					251.083	249.129

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

lw 4/24/17

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:53 pm
Operator : DWOOD
Sample : 87PCB083016D
Misc : PCB 1254 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:36:05 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Mar 31 07:30:01 2017
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
Target Compounds						
1) L1 1254 -1	10.119	6.846	69697	202696	57.124	157.456 #
2) L1 1254-2	11.049	7.149	35338	111442	99.129	67.619 #
3) L1 1254-3	11.435	7.752	101647	191956	141.371	165.715
4) L1 1254-4	11.754	8.121	85409	179016	366.664	87.456 #
5) L1 1254-5	11.944	8.408	58217	152788	39.960	200.733 #
Sum 1254 -1			350308	837898	704.248	678.980
Average 1254 -1					140.850	135.796

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

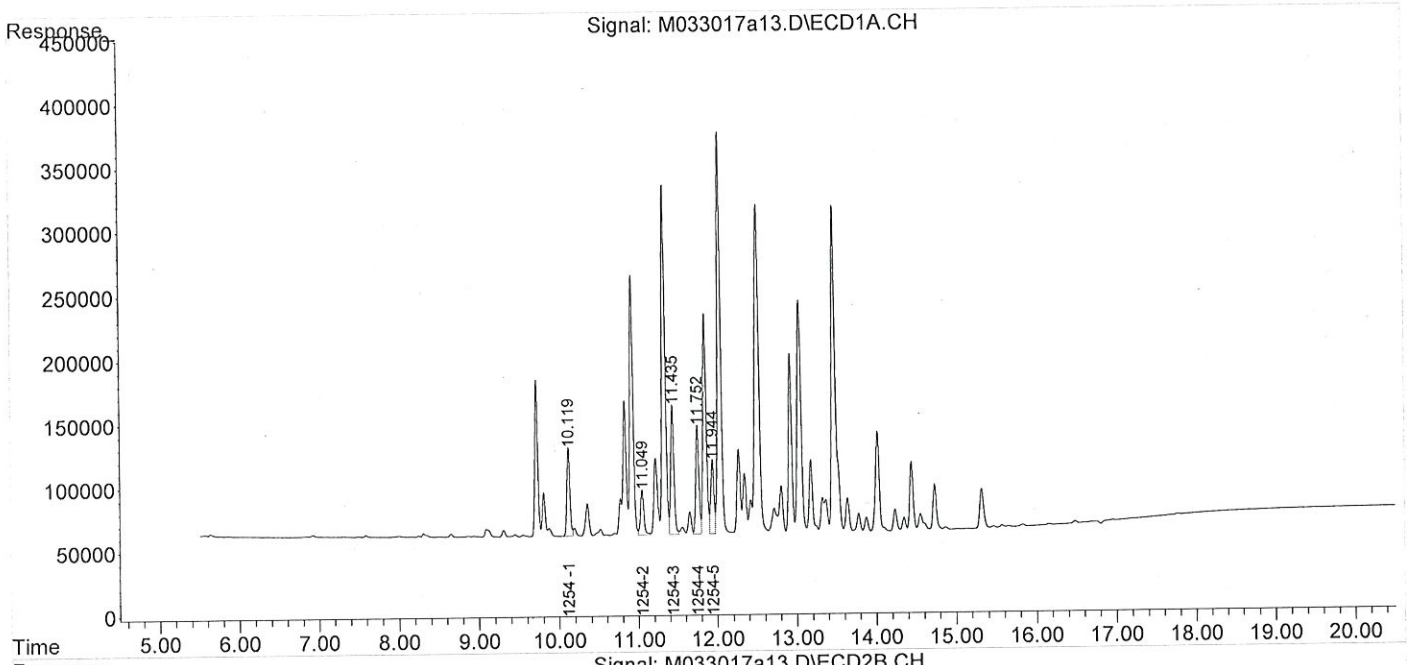
4/24/17

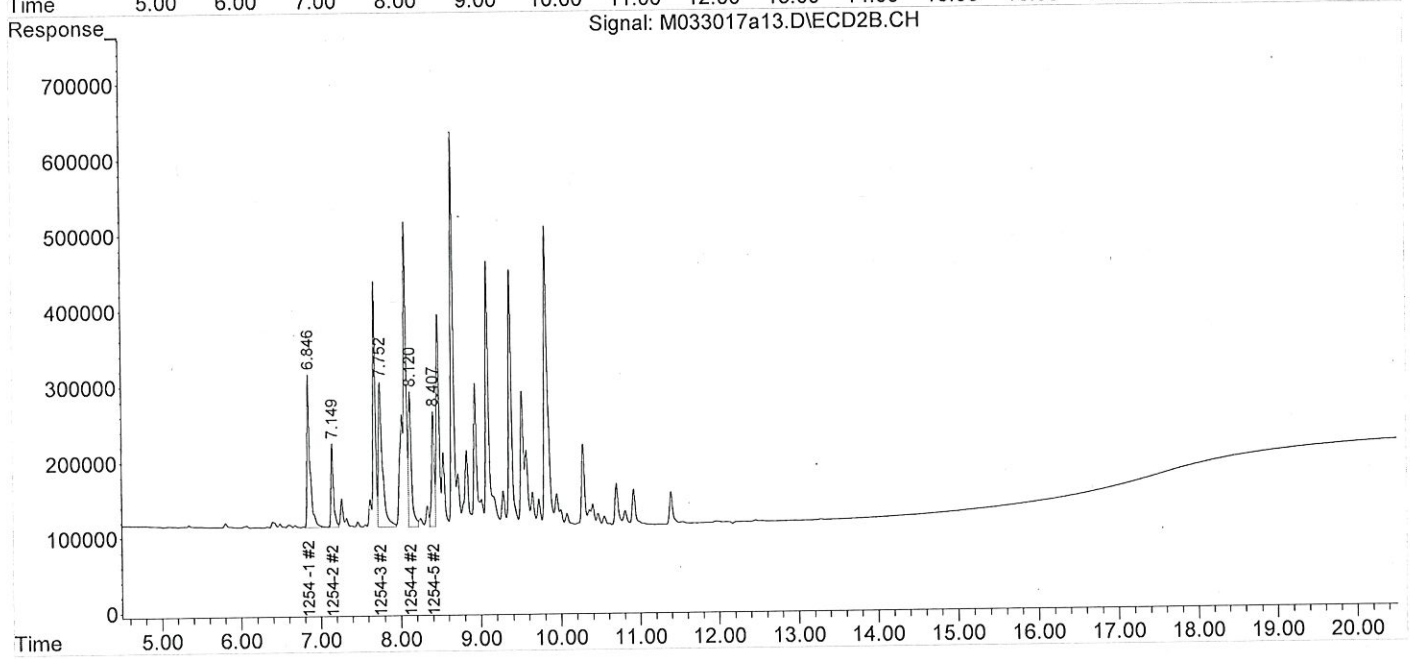
Quantitation Report (QT Reviewed)

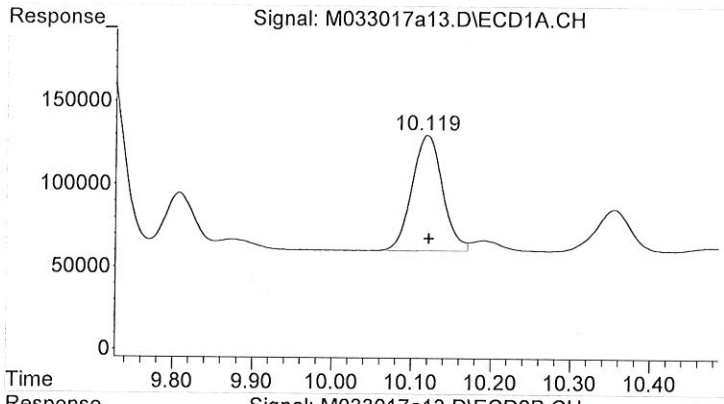
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 15:53 pm
Operator : DWOOD
Sample : 87PCB083016D
Misc : PCB 1254 ICAL 250 pg/uL
ALS Vial : 0 (Sig #1); 12 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:19 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

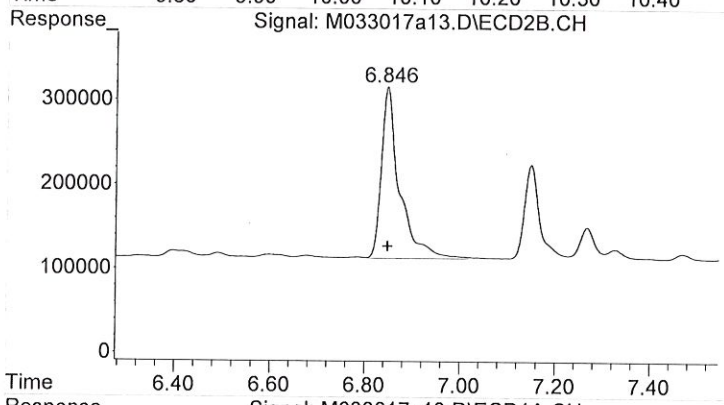






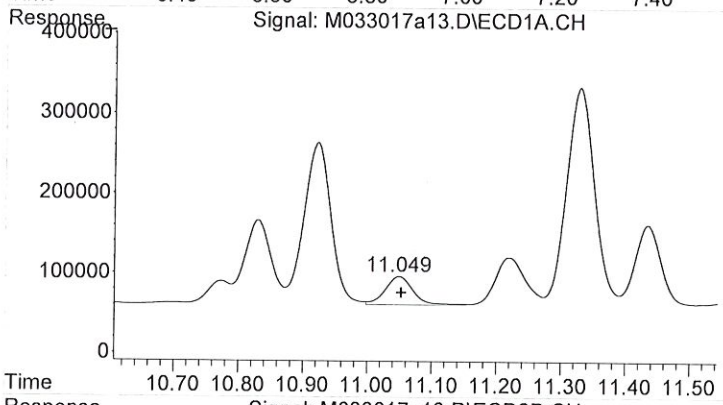
#2 1254 -1

R.T.: 10.119 min
Delta R.T.: -0.003 min
Response: 69697
Conc: 251.82 pg/uL



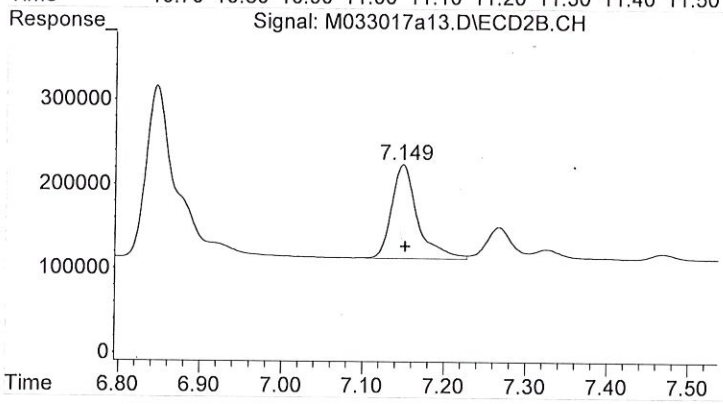
#2 1254 -1

R.T.: 6.846 min
Delta R.T.: -0.002 min
Response: 202696
Conc: 250.02 pg/uL



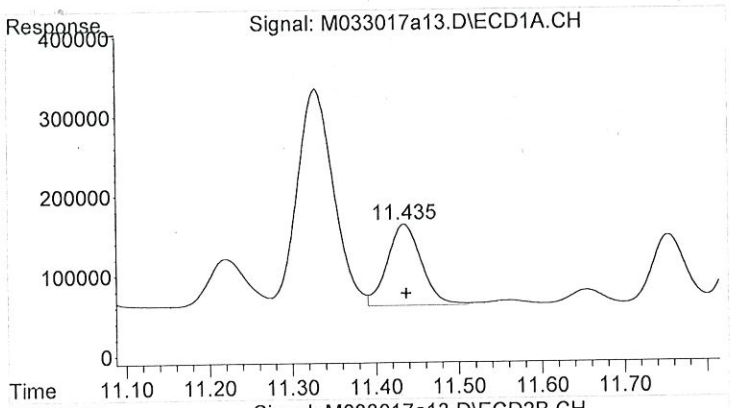
#3 1254-2

R.T.: 11.049 min
Delta R.T.: -0.004 min
Response: 35338
Conc: 252.87 pg/uL



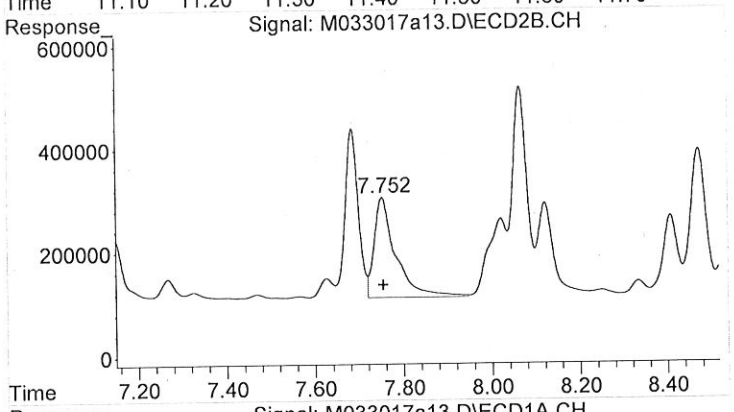
#3 1254-2

R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 111442
Conc: 248.80 pg/uL



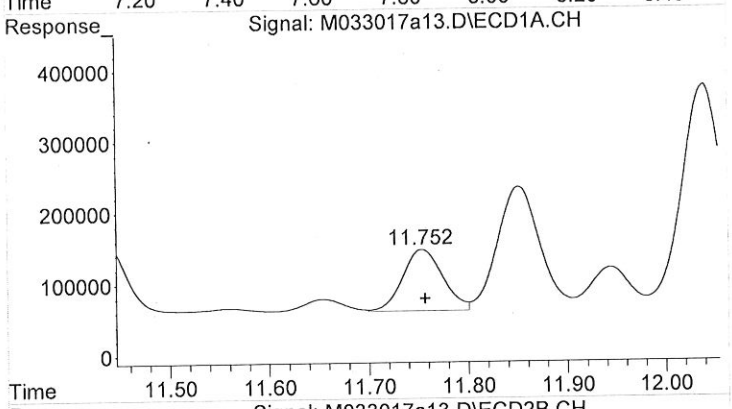
#4 1254-3

R.T.: 11.435 min
Delta R.T.: -0.002 min
Response: 101647
Conc: 251.34 pg/uL



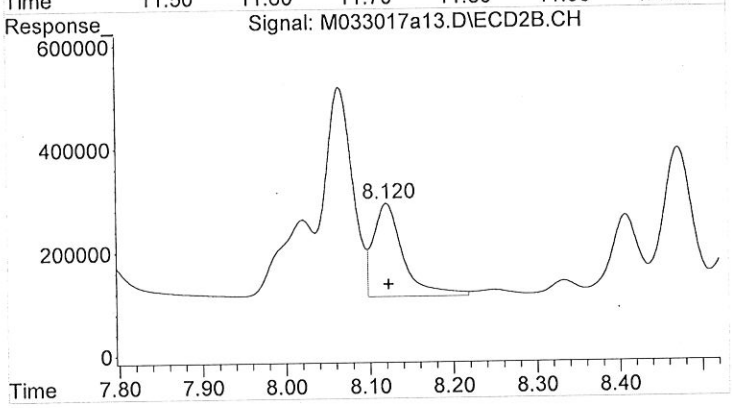
#4 1254-3

R.T.: 7.752 min
Delta R.T.: -0.002 min
Response: 191956
Conc: 243.94 pg/uL



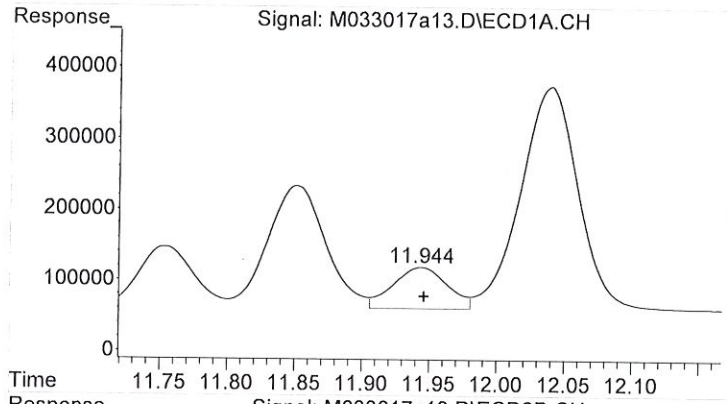
#5 1254-4

R.T.: 11.754 min
Delta R.T.: -0.003 min
Response: 85409
Conc: 250.98 pg/uL



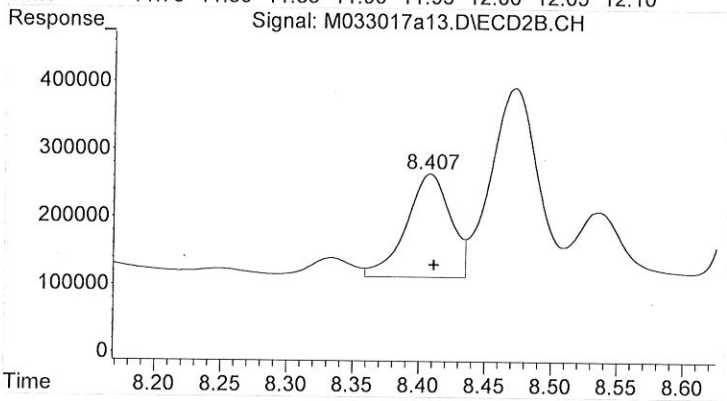
#5 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 179016
Conc: 253.46 pg/uL



#6 1254-5

R.T.: 11.944 min
Delta R.T.: -0.002 min
Response: 58217
Conc: 248.41 pg/uL



#6 1254-5

R.T.: 8.408 min
Delta R.T.: -0.003 min
Response: 152788
Conc: 249.43 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:18 pm
Operator : DWOOD
Sample : 87PCB083016E
Misc : PCB 1254 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:31 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.119	6.847	134323	392934	492.585	486.904
3) L1 1254-2	11.051	7.148	68636	218669	499.742	488.423
4) L1 1254-3	11.436	7.751	196315	386010	492.405	490.467
5) L1 1254-4	11.755	8.121	169135	341991	504.908	486.495
6) L1 1254-5	11.944	8.409	115486	298912	497.463	487.431
Sum 1254 -1			683894	1638515	2487.102	2439.721
Average 1254 -1					497.420	487.944

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

ww 4/24/17

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:18 pm
Operator : DWOOD
Sample : 87PCB083016E
Misc : PCB 1254 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:36:14 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Mar 31 07:30:01 2017
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	
Target Compounds							
1) L1 1254 -1	10.119	6.847	134323	392934	118.214	307.674	#
2) L1 1254-2	11.051	7.148	68636	218669	200.115	134.038	#
3) L1 1254-3	11.436	7.751	196315	386010	279.705	332.415	
4) L1 1254-4	11.755	8.121	169135	341991	730.775	165.213	#
5) L1 1254-5	11.944	8.409	115486	298912	86.864	394.065	#
Sum 1254 -1			683894	1638515	1415.673	1333.405	
Average 1254 -1					283.135	266.681	

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

hw
4/24/17

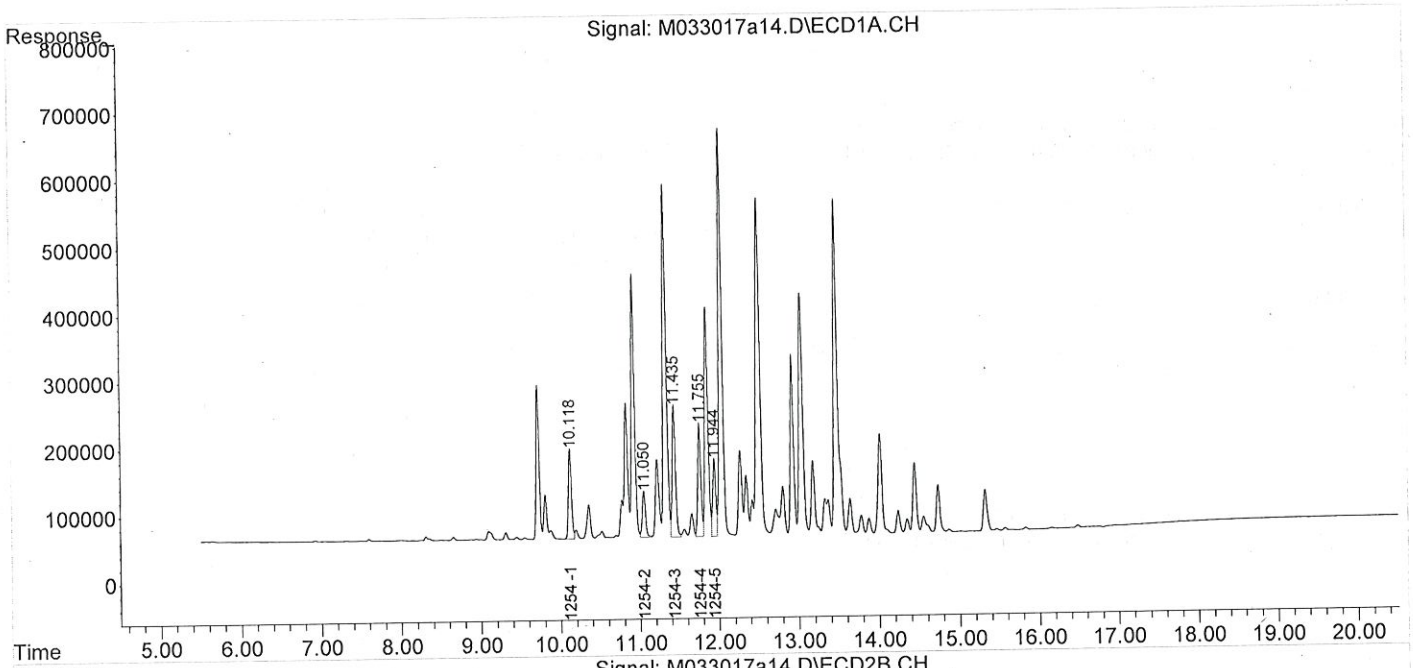
Quantitation Report (QT Reviewed)

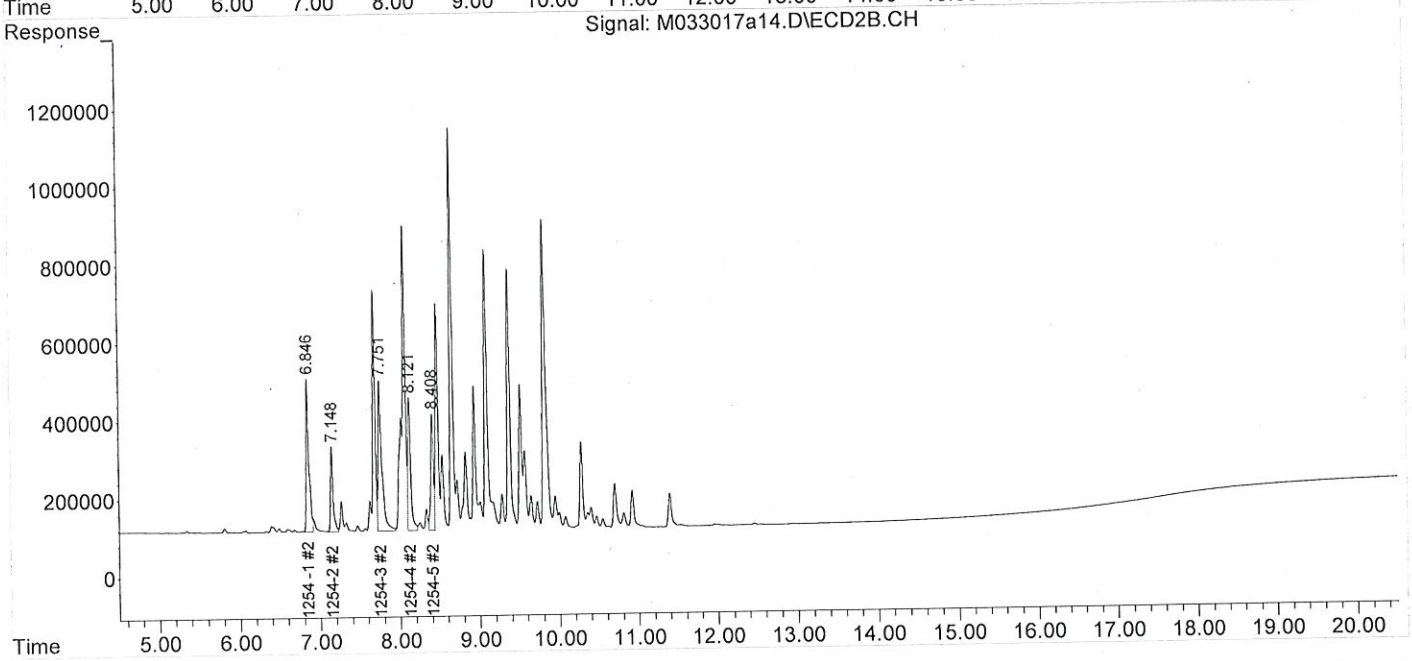
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:18 pm
Operator : DWOOD
Sample : 87PCB083016E
Misc : PCB 1254 ICAL 500 pg/uL
ALS Vial : 0 (Sig #1); 13 (Sig #2) Sample Multiplier: 1

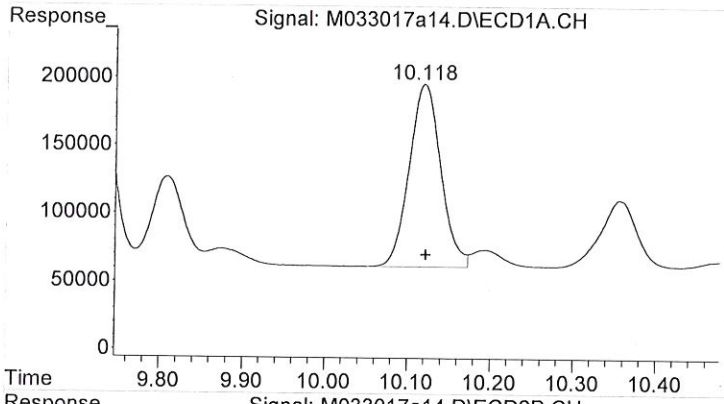
Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:33:31 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Signal #2 Phase: CLPest2
Signal #2 Info : .32

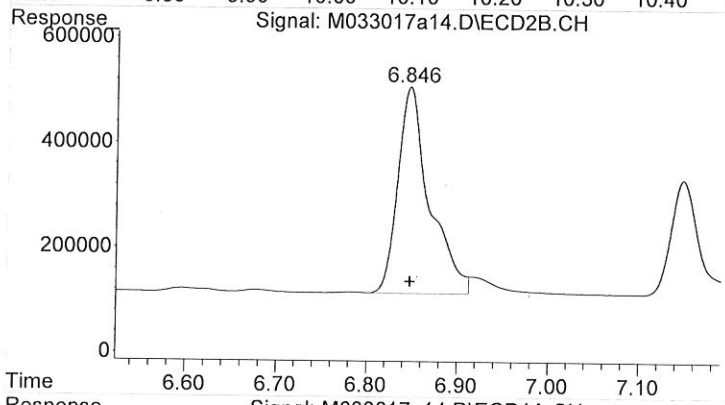






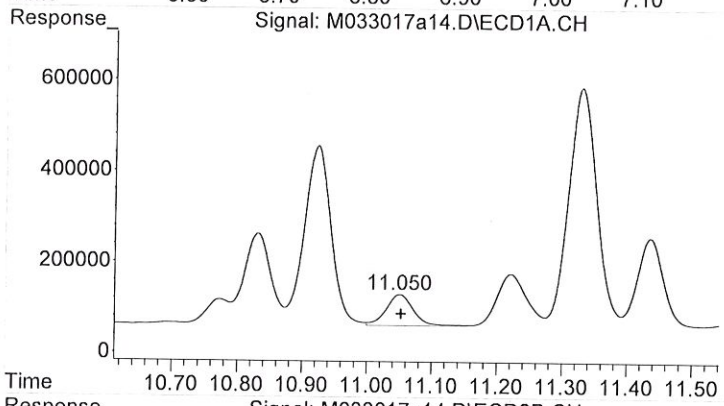
#2 1254 -1

R.T.: 10.119 min
Delta R.T.: -0.003 min
Response: 134323
Conc: 492.59 pg/uL



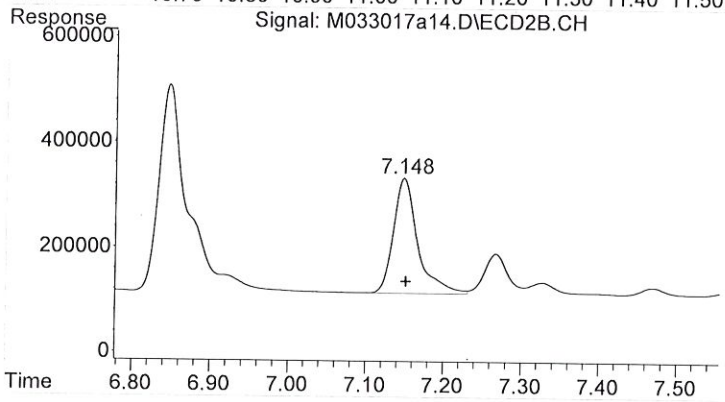
#2 1254 -1

R.T.: 6.847 min
Delta R.T.: -0.001 min
Response: 392934
Conc: 486.90 pg/uL



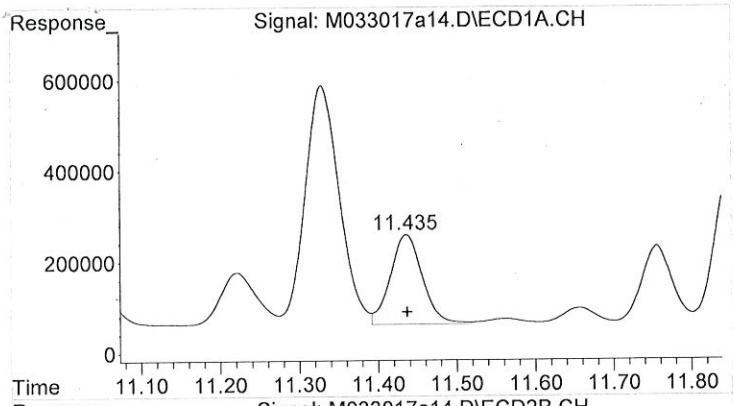
#3 1254-2

R.T.: 11.051 min
Delta R.T.: -0.002 min
Response: 68636
Conc: 499.74 pg/uL



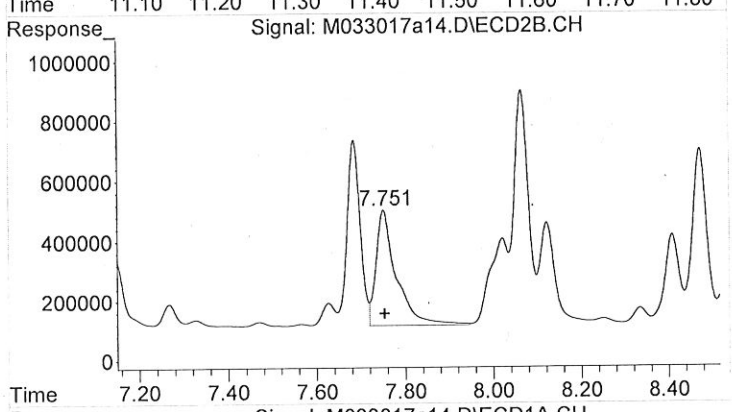
#3 1254-2

R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 218669
Conc: 488.42 pg/uL



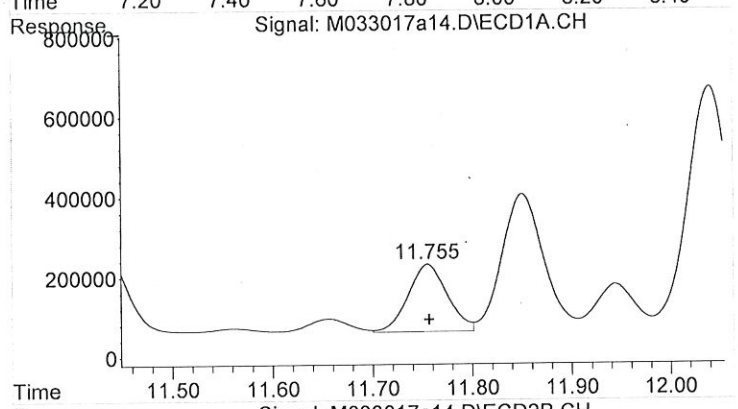
#4 1254-3

R.T.: 11.436 min
Delta R.T.: -0.001 min
Response: 196315
Conc: 492.41 pg/uL



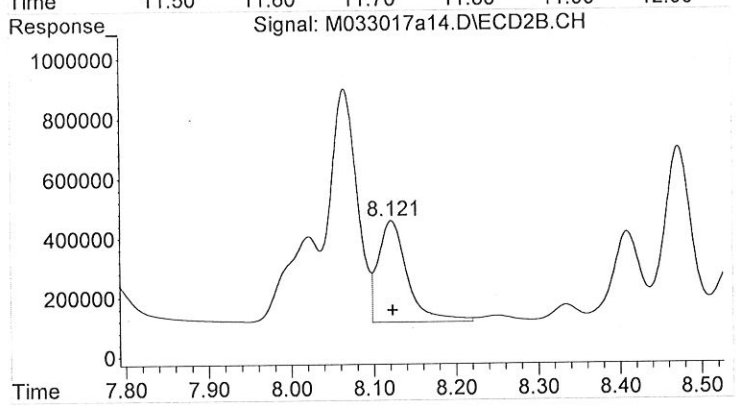
#4 1254-3

R.T.: 7.751 min
Delta R.T.: -0.003 min
Response: 386010
Conc: 490.47 pg/uL



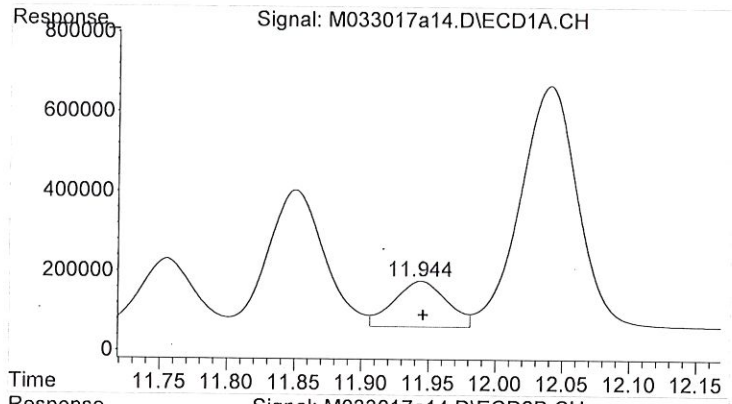
#5 1254-4

R.T.: 11.755 min
Delta R.T.: -0.002 min
Response: 169135
Conc: 504.91 pg/uL



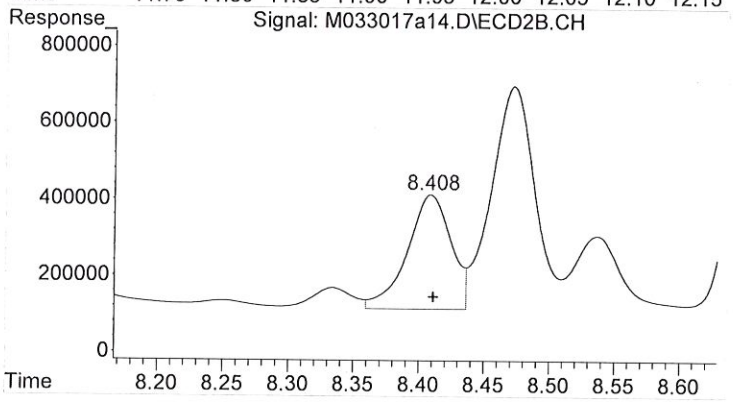
#5 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 341991
Conc: 486.49 pg/uL



#6 1254-5

R.T.: 11.944 min
Delta R.T.: -0.002 min
Response: 115486
Conc: 497.46 pg/uL



#6 1254-5

R.T.: 8.409 min
Delta R.T.: -0.002 min
Response: 298912
Conc: 487.43 pg/uL

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:42 pm
Operator : DWOOD
Sample : 87PCB083016F
Misc : PCB 1254 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:34:33 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D. d	N.D. d
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.117	6.846	253456	773855	936.419	961.229
3) L1 1254-2	11.048	7.148	126600	434804	929.491	971.432
4) L1 1254-3	11.434	7.750	367222	766717	927.611	974.119
5) L1 1254-4	11.752	8.120	301440	675799	906.166	963.811
6) L1 1254-5	11.943	8.407	217161	594538	939.634	968.936
Sum 1254 -1			1265879	3245713	4639.322	4839.527
Average 1254 -1					927.864	967.905

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

ww
4/24/17

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:42 pm
Operator : DWOOD
Sample : 87PCB083016F
Misc : PCB 1254 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:36:23 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Fri Mar 31 07:30:01 2017
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
Target Compounds						
1) L1 1254 -1	10.117	6.846	253456	773855	230.830	608.463 #
2) L1 1254-2	11.048	7.148	126600	434804	375.908	267.918 #
3) L1 1254-3	11.434	7.750	367222	766717	529.443	659.456
4) L1 1254-4	11.752	8.120	301440	675799	1306.153	324.474 #
5) L1 1254-5	11.943	8.407	217161	594538	170.137	785.199 #
Sum 1254 -1			1265879	3245713	2612.470	2645.511
Average 1254 -1					522.494	529.102

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

4/24/17

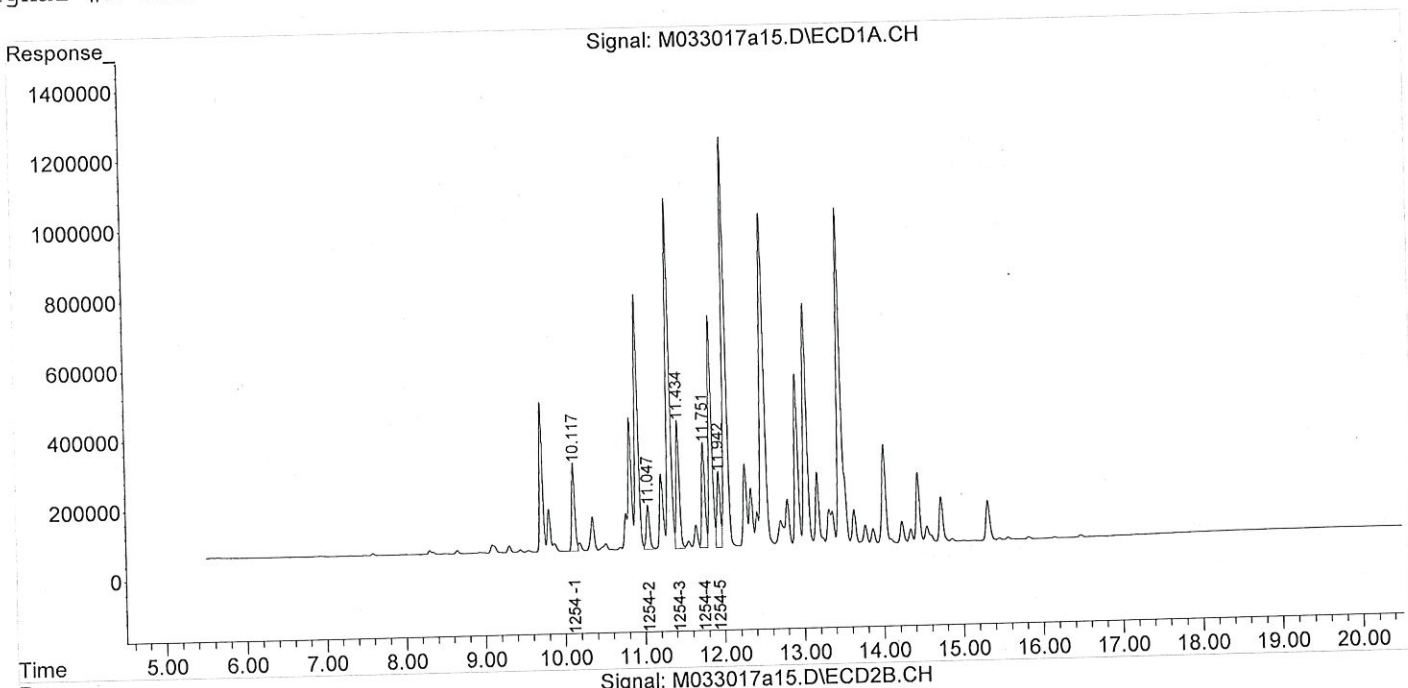
Quantitation Report (QT Reviewed)

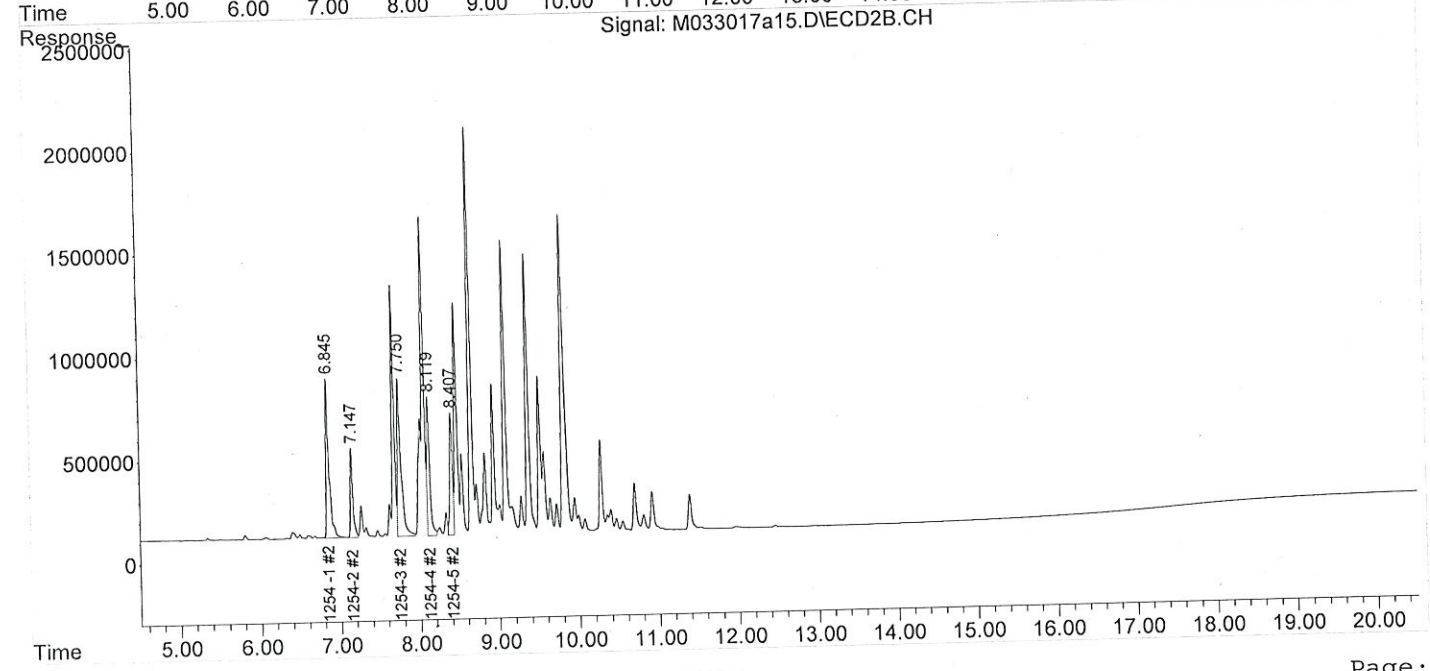
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 16:42 pm
Operator : DWOOD
Sample : 87PCB083016F
Misc : PCB 1254 ICAL 1000 pg/uL
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

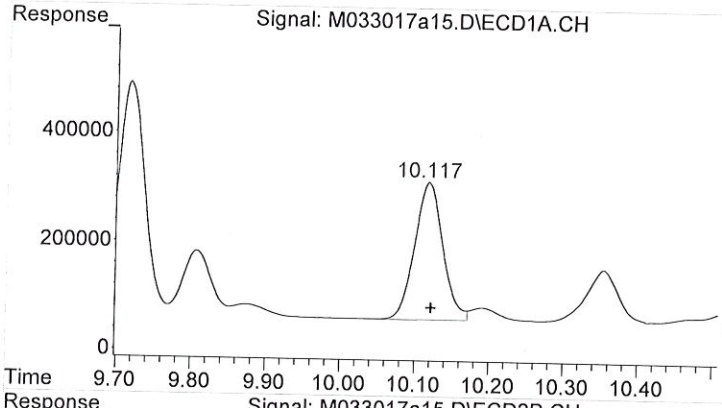
Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:34:33 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Signal #2 Phase: CLPest2
Signal #2 Info : .32

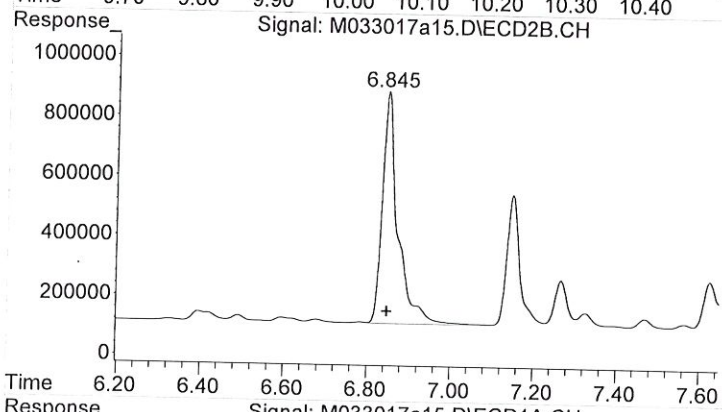






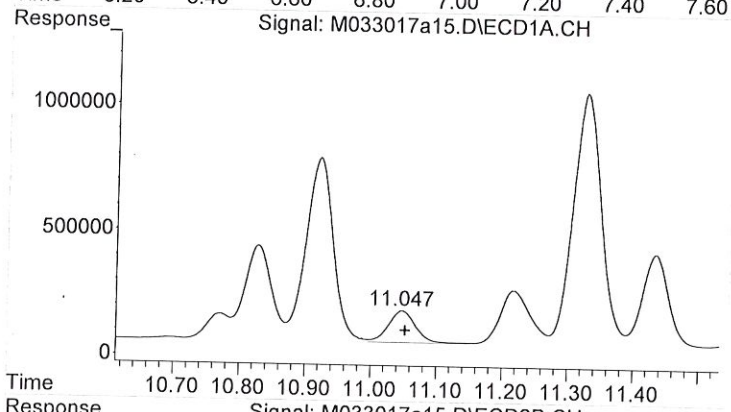
#2 1254 -1

R.T.: 10.117 min
Delta R.T.: -0.005 min
Response: 253456
Conc: 936.42 pg/uL



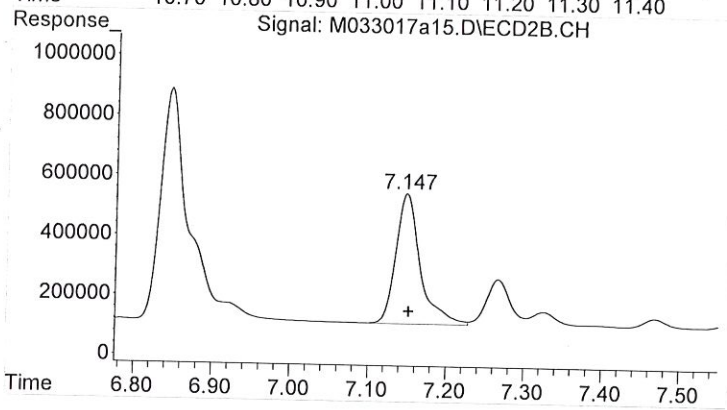
#2 1254 -1

R.T.: 6.846 min
Delta R.T.: -0.002 min
Response: 773855
Conc: 961.23 pg/uL



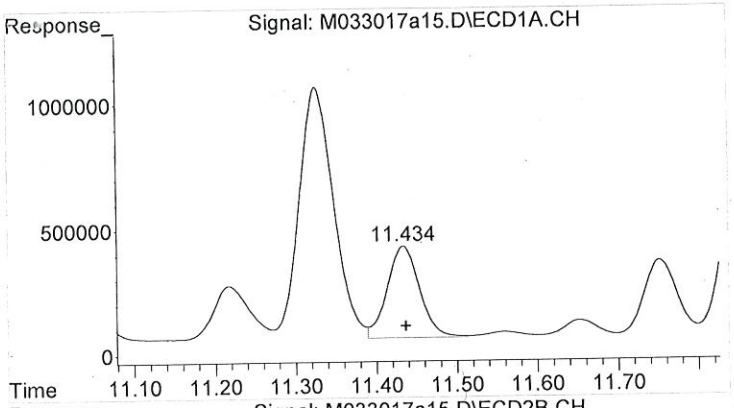
#3 1254-2

R.T.: 11.048 min
Delta R.T.: -0.005 min
Response: 126600
Conc: 929.49 pg/uL



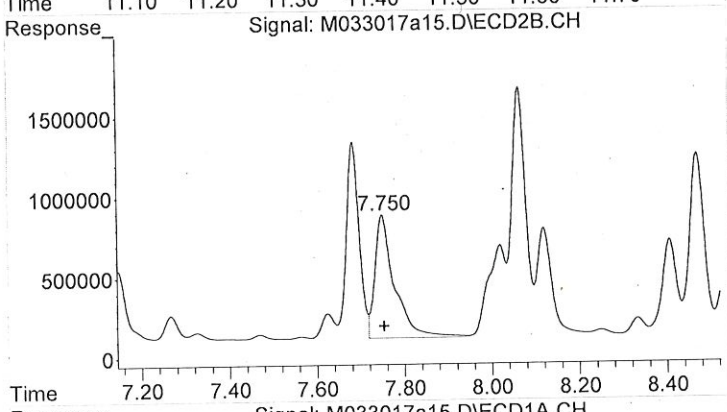
#3 1254-2

R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 434804
Conc: 971.43 pg/uL



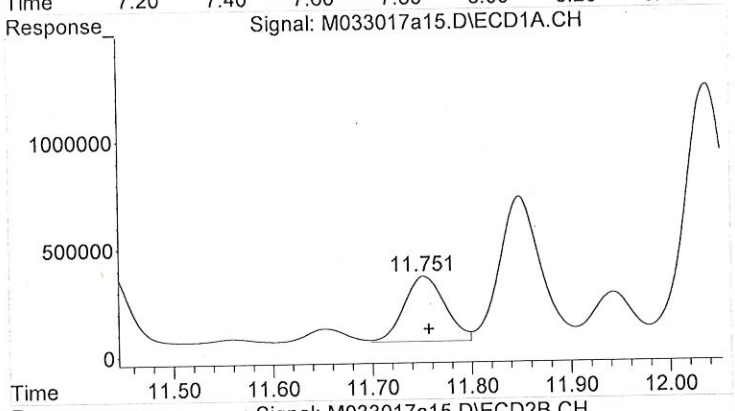
#4 1254-3

R.T.: 11.434 min
Delta R.T.: -0.003 min
Response: 367222
Conc: 927.61 pg/uL



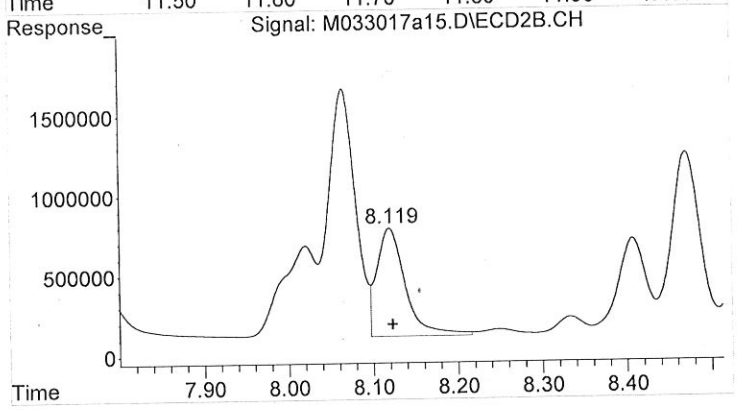
#4 1254-3

R.T.: 7.750 min
Delta R.T.: -0.004 min
Response: 766717
Conc: 974.12 pg/uL



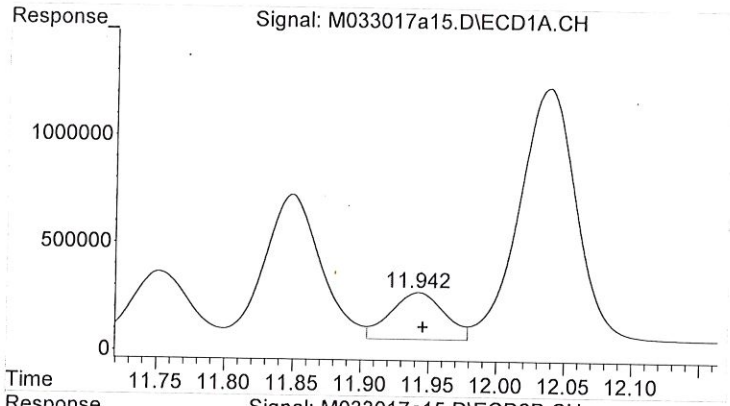
#5 1254-4

R.T.: 11.752 min
Delta R.T.: -0.005 min
Response: 301440
Conc: 906.17 pg/uL



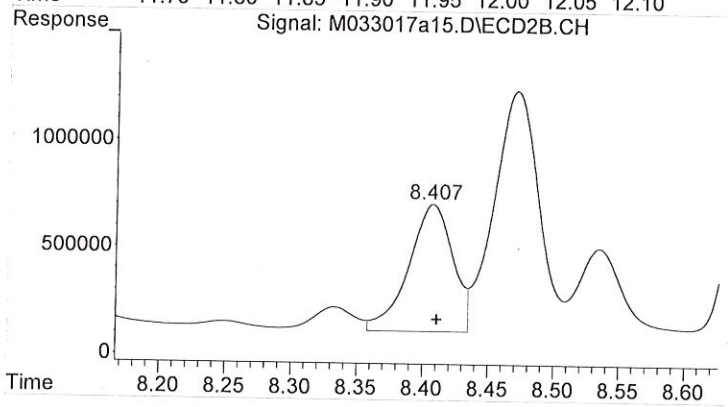
#5 1254-4

R.T.: 8.120 min
Delta R.T.: -0.003 min
Response: 675799
Conc: 963.81 pg/uL



#6 1254-5

R.T.: 11.943 min
Delta R.T.: -0.003 min
Response: 217161
Conc: 939.63 pg/uL



#6 1254-5

R.T.: 8.407 min
Delta R.T.: -0.004 min
Response: 594538
Conc: 968.94 pg/uL

PCB SSV Report

Data File....: M033017a16.D
Dataname.....: 87PCB110116E
Analyzed.....: 03/30/2017 17:07

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

SSV Level..: 100 pg/uL
ICAL Date..: 03/30/2017

Datafile path....: J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\M033017a16.D
DP Method path...: J:\Organics\Minerva\Methods\M033017PCB1254_41717.M

PCB 1254 Std 100pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Rec	Flag
Surrogate								
					Criteria range: 70-130%			
Target								
	1254 -1	10.12	10.12	30786	100	107	107	
	1254-2	11.05	11.05	14478	100	97.7	98	
	1254-3	11.43	11.44	40797	100	96.4	96	
	1254-4	11.75	11.76	34409	100	96.3	96	
	1254-5	11.94	11.95	21883	100	90.4	90	
	1254 -1 #2	6.85	6.85	77736	100	94.4	94	
	1254-2 #2	7.15	7.15	42644	100	95.0	95	
	1254-3 #2	7.75	7.75	81816	100	104	104	
	1254-4 #2	8.12	8.12	69482	100	96.8	97	
	1254-5 #2	8.41	8.41	59094	100	96.8	97	

Average %Recovery:	%Rec
1254 Column 1 (n=5)	98
1254 Column 2 (n=5)	97

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 17:07 pm
Operator : DWOOD
Sample : 87PCB110116E
Misc : PCB 1254 Std 100pg/uL
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:40:48 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:40:09 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
Target Compounds						
1) L1 1254 -1	10.120	6.847	30786	77736	106.959	94.419
2) L1 1254-2	11.050	7.149	14478	42644	97.741	95.050
3) L1 1254-3	11.435	7.753	40797	81816	96.385	104.018
4) L1 1254-4	11.754	8.121	34409	69482	96.311	96.831
5) L1 1254-5	11.944	8.410	21883	59094	90.397	96.824
Sum 1254 -1			142352	330771	487.793	487.142
Average 1254 -1					97.559	97.428

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

ww
4/24/17

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M033017PCB1254dwa\
Data File : M033017a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Mar 2017 17:07 pm
Operator : DWOOD
Sample : 87PCB110116E
Misc : PCB 1254 Std 100pg/uL
ALS Vial : 0 (Sig #1); 15 (Sig #2) Sample Multiplier: 1

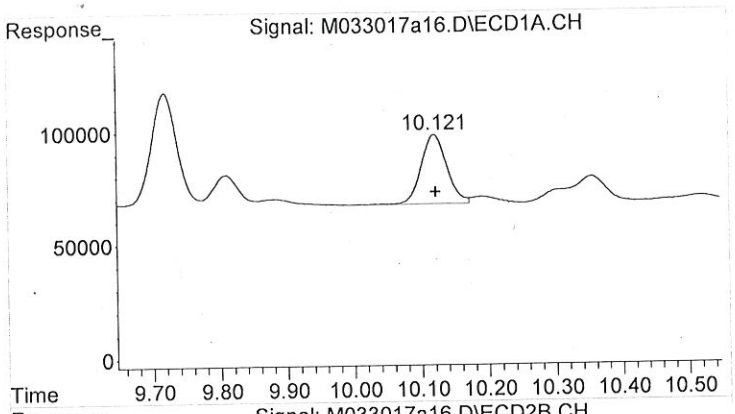
Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 18 12:40:48 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:40:09 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
Target Compounds						
1) L1 1254 -1	10.120	6.847	30786	77736	106.959	94.419
2) L1 1254-2	11.050	7.149	14478	42644	97.741	95.050
3) L1 1254-3	11.435	7.753	40797	81816	96.385	104.018
4) L1 1254-4	11.754	8.121	34409	69482	96.311	96.831
5) L1 1254-5	11.944	8.410	21883	59094	90.397	96.824
Sum 1254 -1			142352	330771	487.793	487.142
Average 1254 -1					97.559	97.428

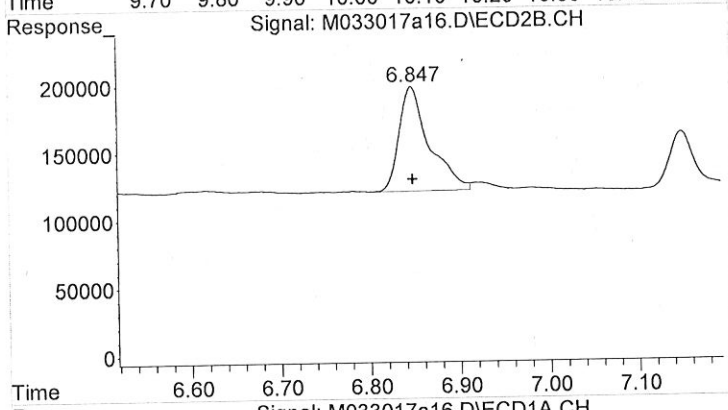
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

hw
4/24/17



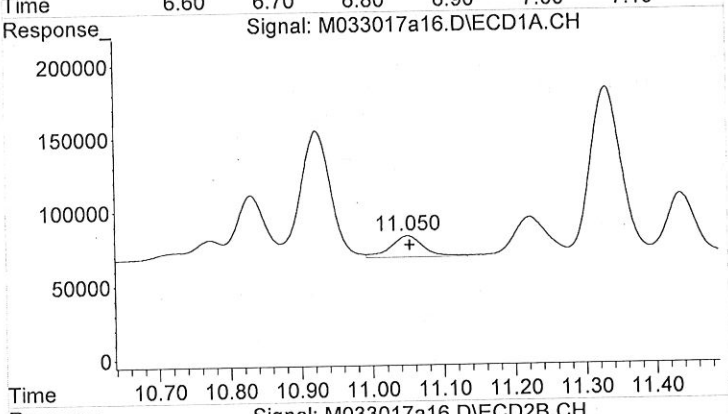
#1 1254 -1

R.T.: 10.120 min
Delta R.T.: -0.002 min
Response: 30786
Conc: 106.96 pg/uL



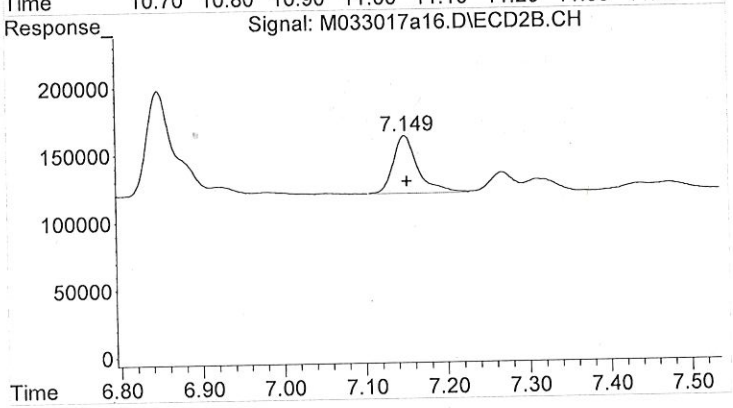
#1 1254 -1

R.T.: 6.847 min
Delta R.T.: 0.000 min
Response: 77736
Conc: 94.42 pg/uL



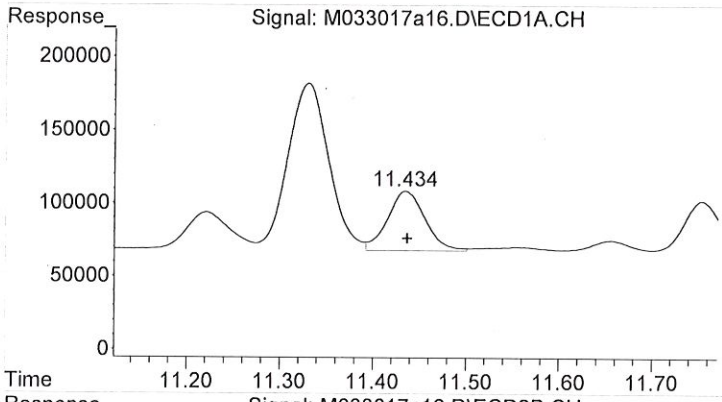
#2 1254-2

R.T.: 11.050 min
Delta R.T.: -0.003 min
Response: 14478
Conc: 97.74 pg/uL



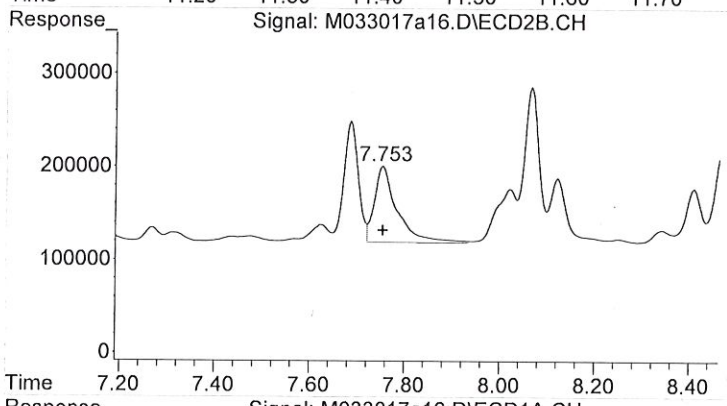
#2 1254-2

R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 42644
Conc: 95.05 pg/uL



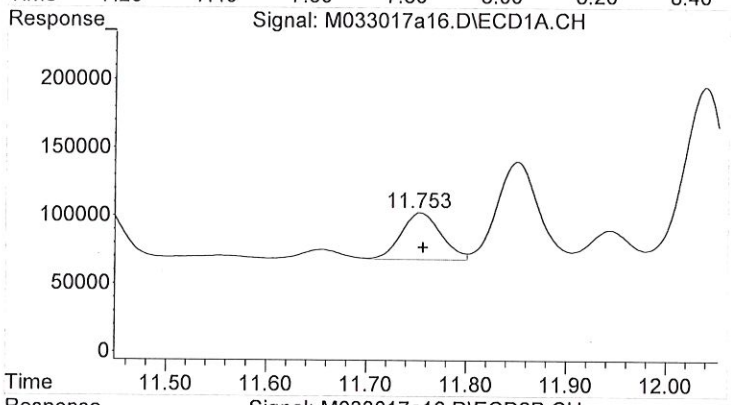
#3 1254-3

R.T.: 11.435 min
Delta R.T.: -0.002 min
Response: 40797
Conc: 96.39 pg/uL



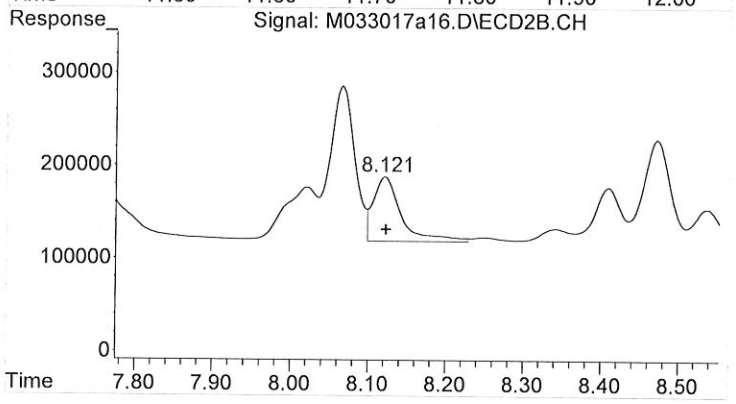
#3 1254-3

R.T.: 7.753 min
Delta R.T.: -0.001 min
Response: 81816
Conc: 104.02 pg/uL



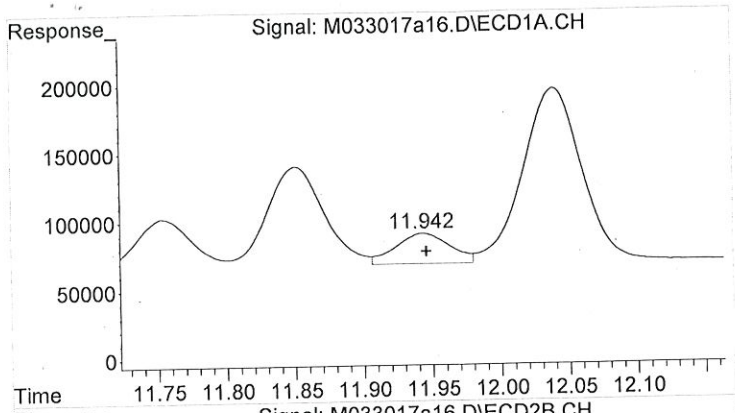
#4 1254-4

R.T.: 11.754 min
Delta R.T.: -0.003 min
Response: 34409
Conc: 96.31 pg/uL



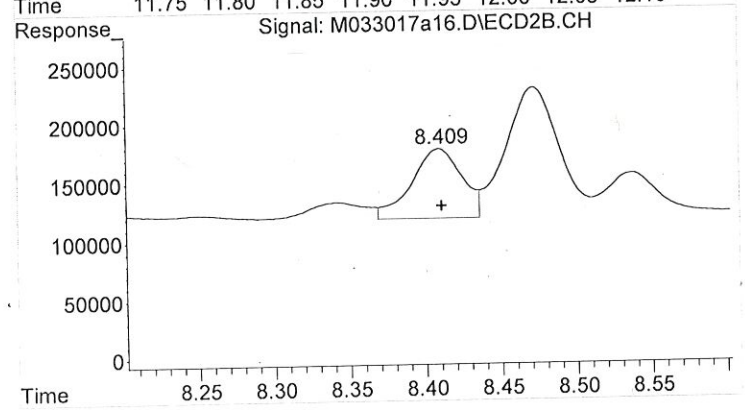
#4 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 69482
Conc: 96.83 pg/uL



#5 1254-5

R.T.: 11.944 min
Delta R.T.: -0.002 min
Response: 21883
Conc: 90.40 pg/uL



#5 1254-5

R.T.: 8.410 min
Delta R.T.: -0.001 min
Response: 59094
Conc: 96.82 pg/uL

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

PCB CCV Report

Data File....: M041717a02.D
Dataname.....: 87PCB062716I
Analyzed.....: 04/17/2017 16:10

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

CCV Level..: 100 pg/uL
ICAL Date..: 03/21/2017

Datafile path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a02.D
DP Method path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.98	6.99	245558	10	8.82	-12	
	dcb	17.77	17.79	150399	10	9.09	-9.1	
	tmx (1) #2	4.80	4.80	424657	10	9.52	-4.8	
	dcb #2	13.28	13.28	237685	10	9.77	-2.3	
Target					Criteria range: <±20%D			
	1016 -1	7.59	7.60	41295	100	77.0	-23	> ±20%
	1016-2	8.65	8.66	54003	100	84.2	-16	
	1016-3	9.30	9.31	66005	100	82.5	-17	
	1016-4	9.45	9.46	43135	100	82.8	-17	
	1016-5	9.55	9.56	14380	100	74.0	-26	> ±20%
	1260-1	13.78	13.79	91760	100	86.7	-13	
	1260-2	13.88	13.89	49035	100	82.5	-18	
	1260-3	15.47	15.48	47994	100	77.6	-22	> ±20%
	1260-4	15.57	15.58	54393	100	82.9	-17	
	1260-5	16.48	16.50	55602	100	86.8	-13	
	1016 -1 #2	5.34	5.34	76102	100	89.6	-10	
	1016-2 #2	5.80	5.81	125467	100	85.5	-14	
	1016-3 #2	6.42	6.42	170078	100	86.7	-13	
	1016-4 #2	6.59	6.60	100133	100	88.1	-12	
	1016-5 #2	6.68	6.68	71513	100	87.7	-12	
	1260-1 #2	10.55	10.55	44409	100	111	11	
	1260-2 #2	11.45	11.45	83718	100	98.4	-1.6	
	1260-3 #2	11.53	11.53	66279	100	95.2	-4.8	
	1260-4 #2	12.01	12.01	35492	100	99.1	-0.90	
	1260-5 #2	12.46	12.46	75380	100	92.4	-7.6	

Average %Difference:	%Diff
1016 Column 1 (n=5)	-20
1016 Column 2 (n=5)	-12
1260 Column 1 (n=5)	-17
1260 Column 2 (n=5)	-0.73

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 4:10 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/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: Apr 24 14:02:42 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	245558	424657	8.821	9.521	
12)	S2 dcb	17.769	13.281	150399	237685	9.087	9.767	
	Target Compounds							
2)	L1 1016 -1	7.590	5.341	41295	76102	76.958	89.607	
3)	L1 1016-2	8.652	5.805	54003	125467	84.174	85.543	
4)	L1 1016-3	9.305	6.418	66005	170078	82.522	86.717	
5)	L1 1016-4	9.448	6.594	43135	100133	82.846	88.137	
6)	L1 1016-5	9.551	6.678	14380	71513	74.023	87.738	
	Sum 1016 -1			218818	543294	400.523	437.741	
	Average 1016 -1					80.105	87.548	
7)	L2 1260-1	13.782	10.546	91760	44409	86.653	111.263	#
8)	L2 1260-2	13.881	11.451	49035	83718	82.468	98.408	
9)	L2 1260-3	15.466	11.528	47994	66279	77.606	95.184	
10)	L2 1260-4	15.571	12.006	54393	35492	82.906	99.101	
11)	L2 1260-5	16.483	12.460	55602	75380	86.751	92.414	
	Sum 1260-1			298784	305277	416.385	496.370	
	Average 1260-1					83.277	99.274	

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

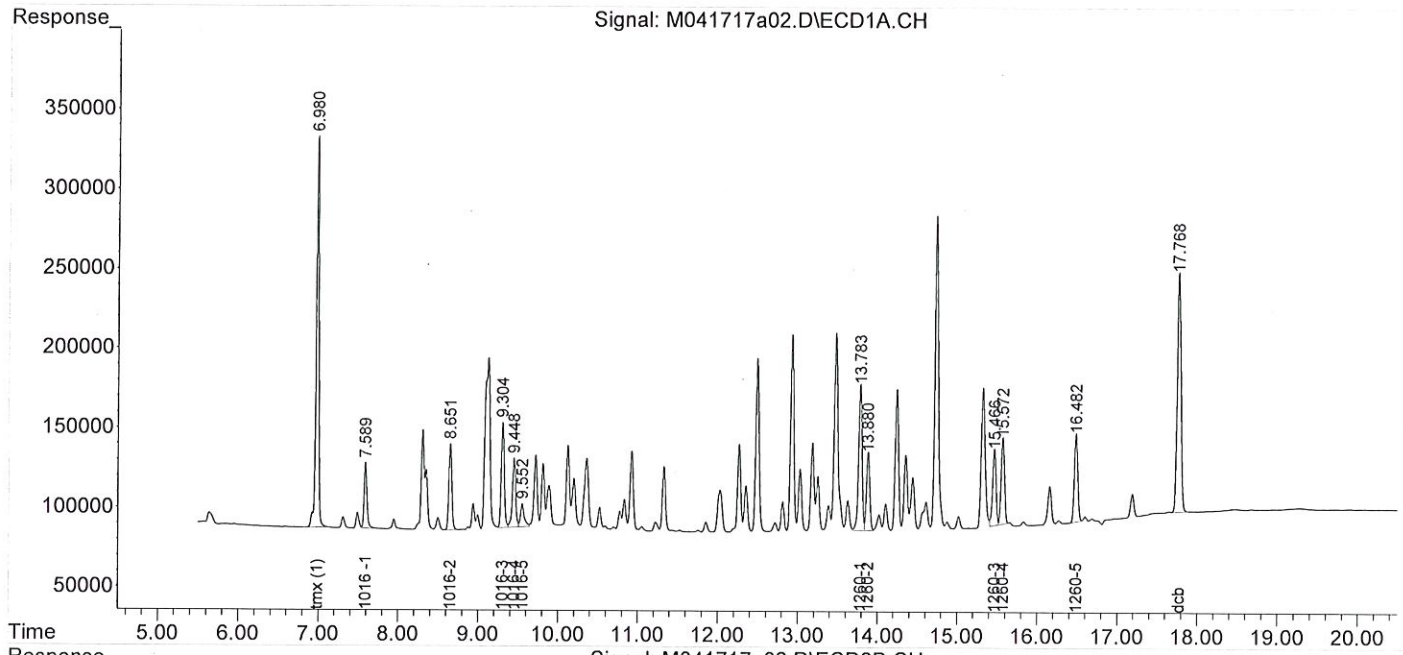
lw
4/24/17

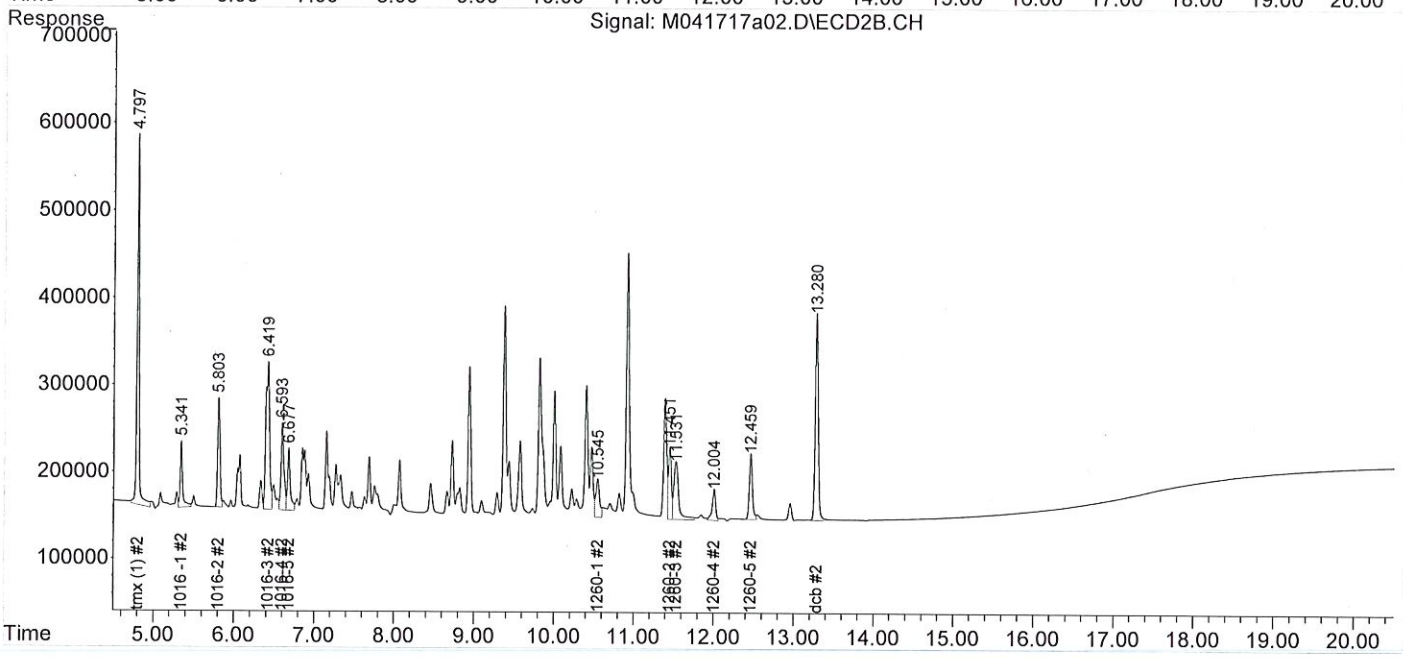
Quantitation Report (QT Reviewed)

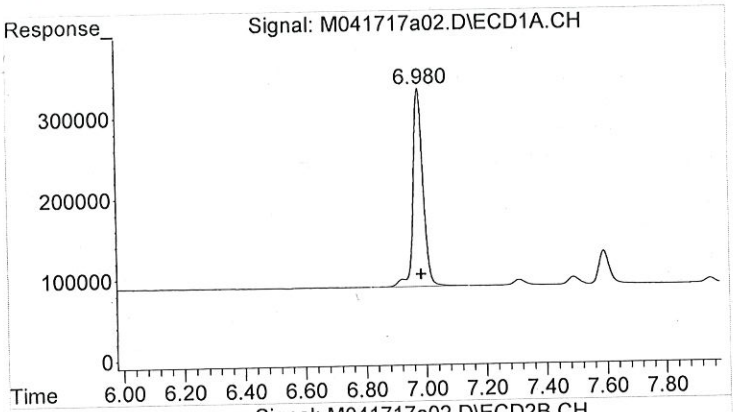
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 4:10 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:02:42 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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

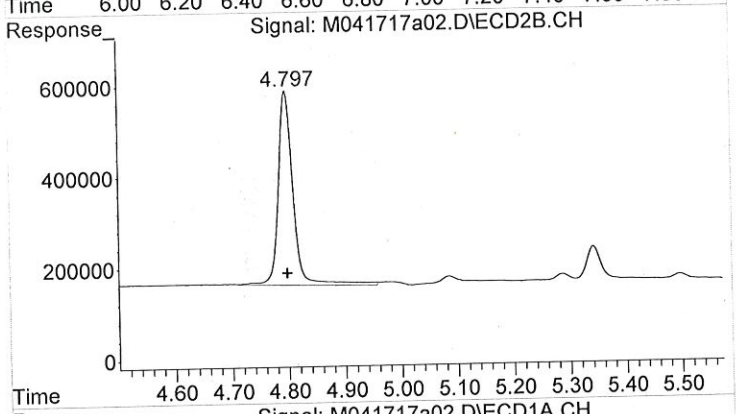






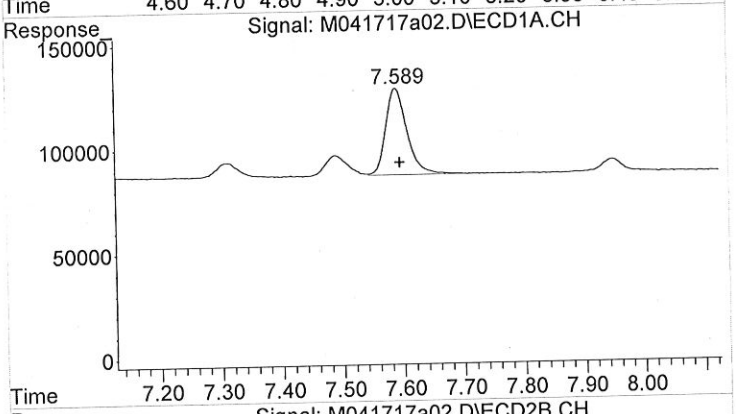
#1 tmx (1)

R.T.: 6.980 min
Delta R.T.: -0.006 min
Response: 245558
Conc: 8.82 pg/uL



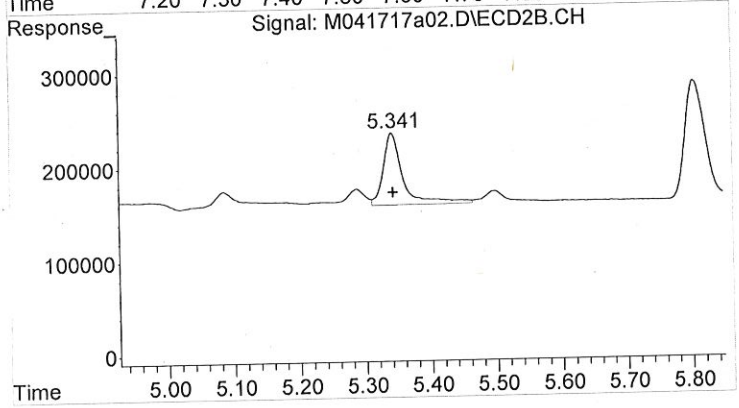
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: -0.001 min
Response: 424657
Conc: 9.52 pg/uL



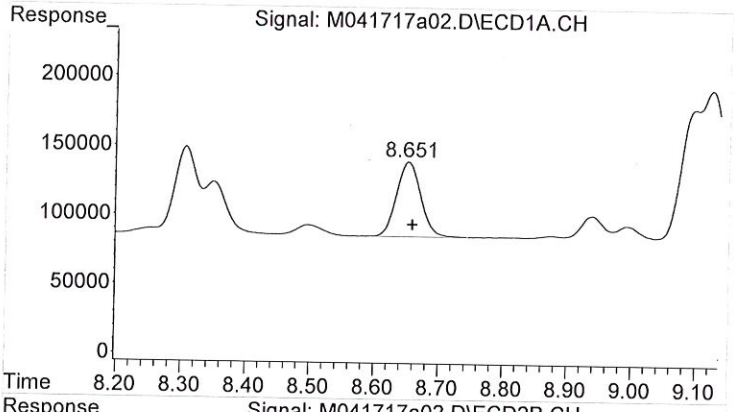
#2 1016 -1

R.T.: 7.590 min
Delta R.T.: -0.006 min
Response: 41295
Conc: 76.96 pg/uL



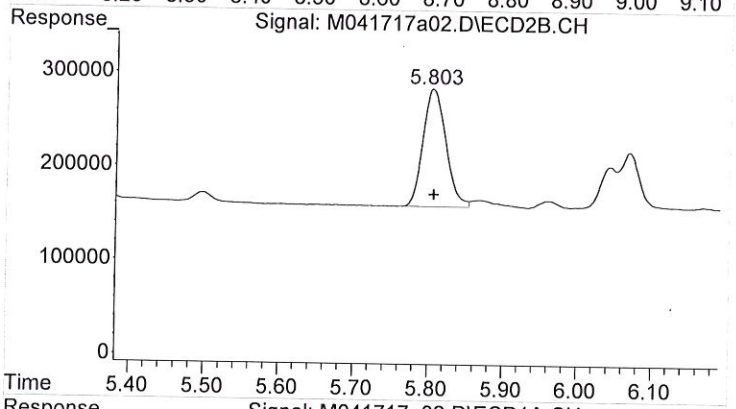
#2 1016 -1

R.T.: 5.341 min
Delta R.T.: -0.002 min
Response: 76102
Conc: 89.61 pg/uL



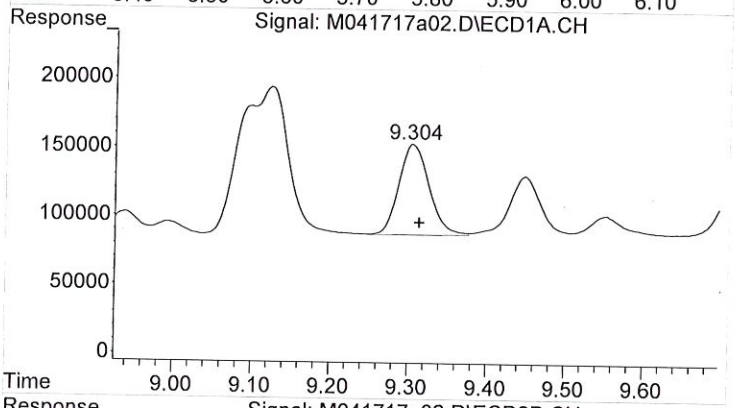
#3 1016-2

R.T.: 8.652 min
Delta R.T.: -0.007 min
Response: 54003
Conc: 84.17 pg/uL



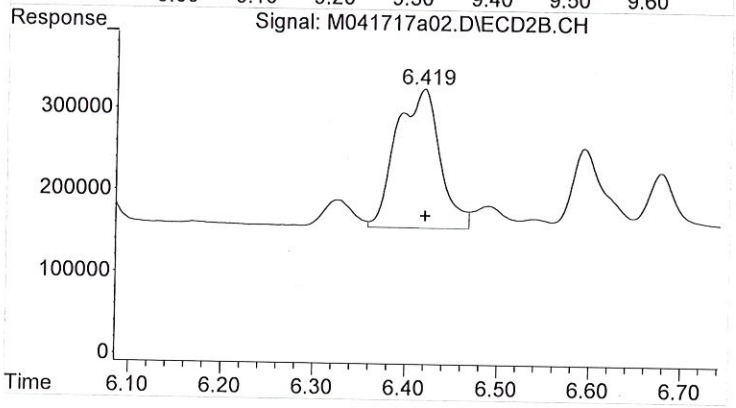
#3 1016-2

R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 125467
Conc: 85.54 pg/uL



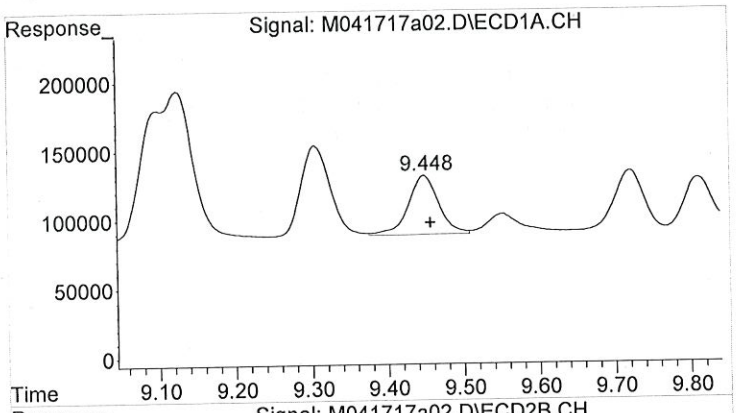
#4 1016-3

R.T.: 9.305 min
Delta R.T.: -0.009 min
Response: 66005
Conc: 82.52 pg/uL



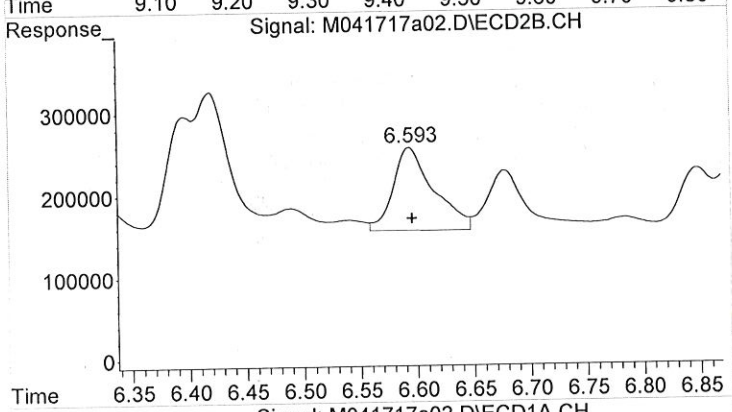
#4 1016-3

R.T.: 6.418 min
Delta R.T.: -0.003 min
Response: 170078
Conc: 86.72 pg/uL



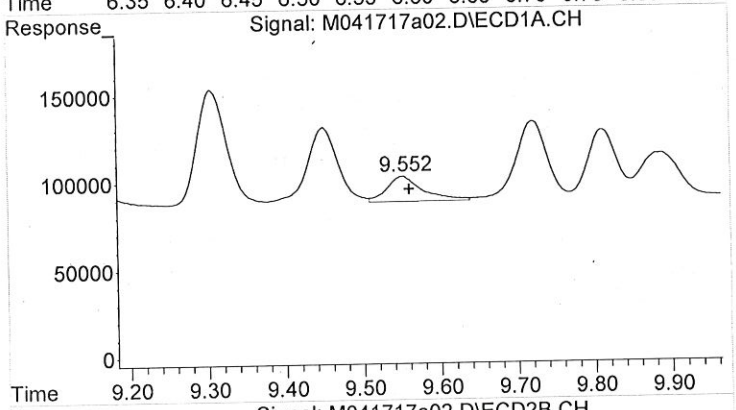
#5 1016-4

R.T.: 9.448 min
Delta R.T.: -0.009 min
Response: 43135
Conc: 82.85 pg/uL



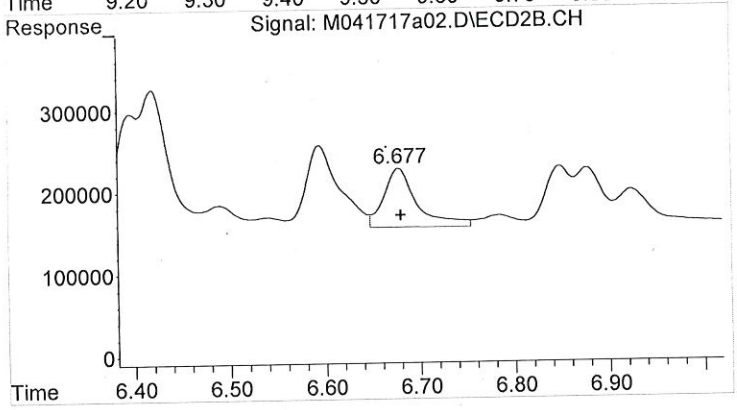
#5 1016-4

R.T.: 6.594 min
Delta R.T.: -0.002 min
Response: 100133
Conc: 88.14 pg/uL



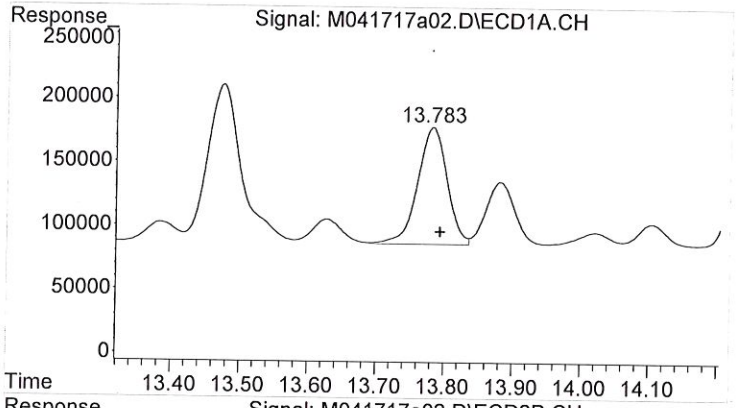
#6 1016-5

R.T.: 9.551 min
Delta R.T.: -0.009 min
Response: 14380
Conc: 74.02 pg/uL



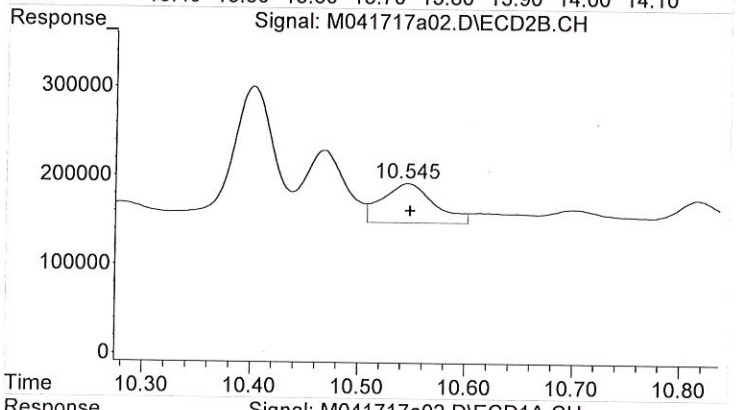
#6 1016-5

R.T.: 6.678 min
Delta R.T.: -0.002 min
Response: 71513
Conc: 87.74 pg/uL



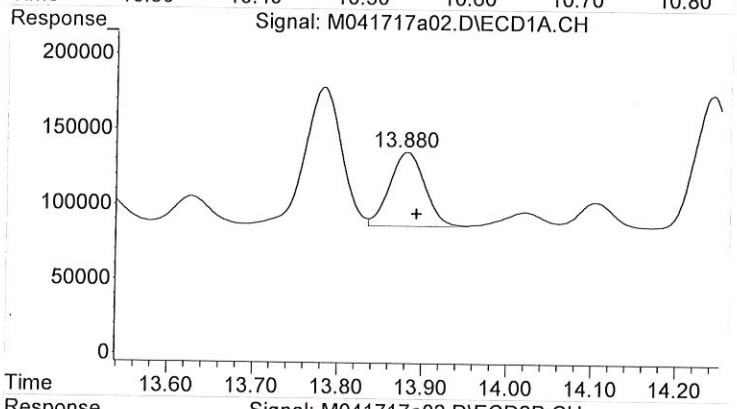
#7 1260-1

R.T.: 13.782 min
Delta R.T.: -0.012 min
Response: 91760
Conc: 86.65 pg/uL



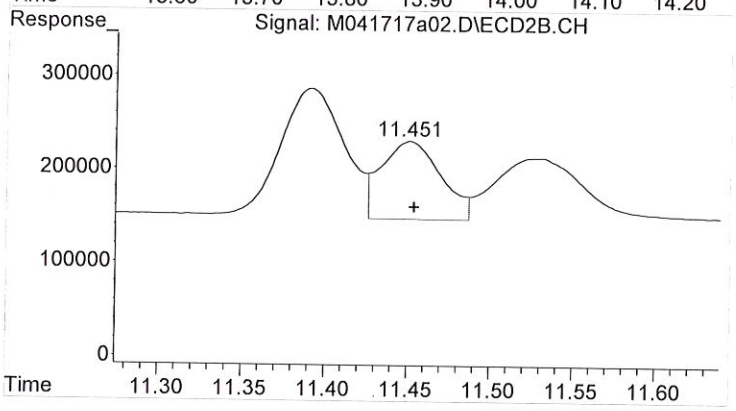
#7 1260-1

R.T.: 10.546 min
Delta R.T.: -0.002 min
Response: 44409
Conc: 111.26 pg/uL



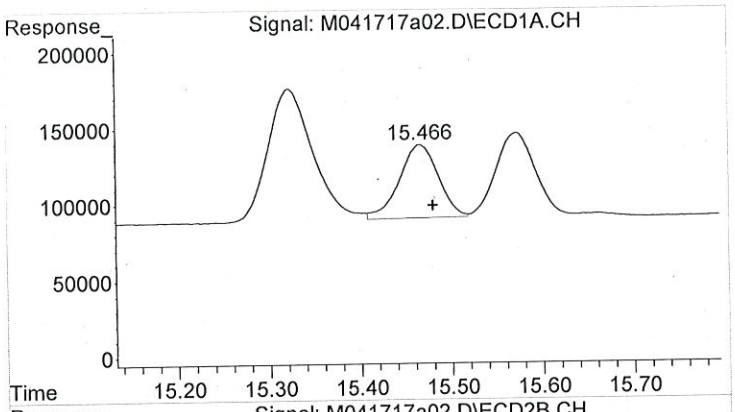
#8 1260-2

R.T.: 13.881 min
Delta R.T.: -0.012 min
Response: 49035
Conc: 82.47 pg/uL



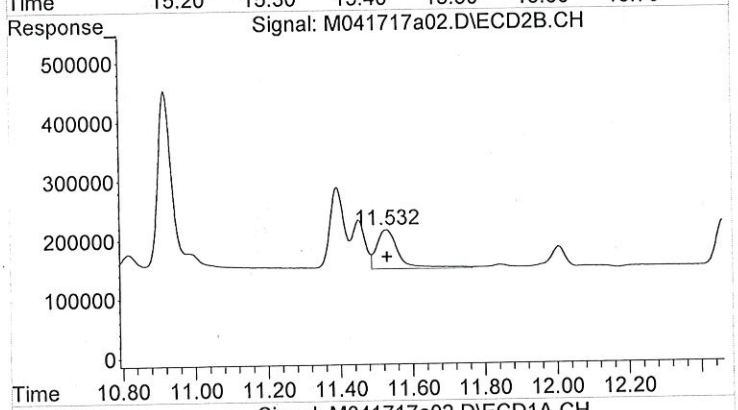
#8 1260-2

R.T.: 11.451 min
Delta R.T.: -0.003 min
Response: 83718
Conc: 98.41 pg/uL



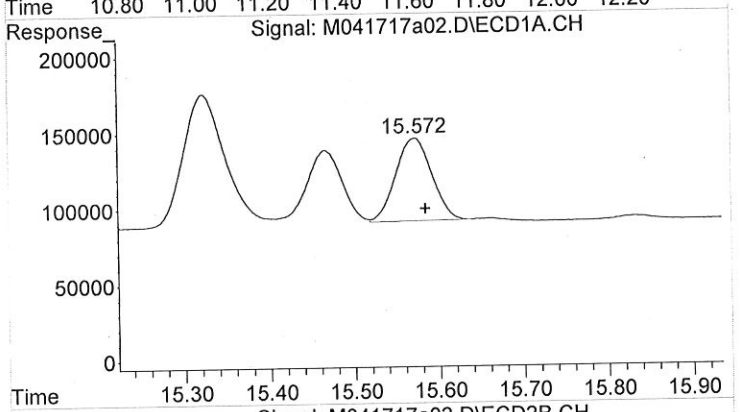
#9 1260-3

R.T.: 15.466 min
Delta R.T.: -0.014 min
Response: 47994
Conc: 77.61 pg/uL



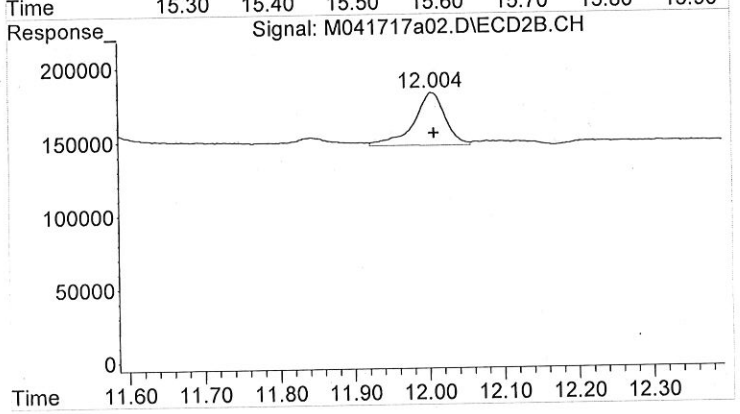
#9 1260-3

R.T.: 11.528 min
Delta R.T.: -0.003 min
Response: 66279
Conc: 95.18 pg/uL



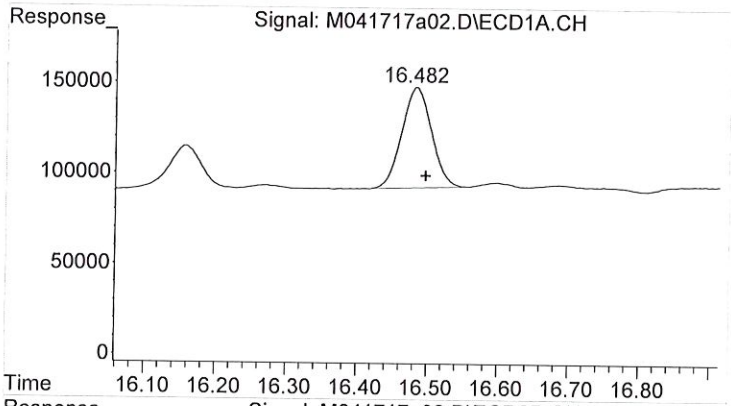
#10 1260-4

R.T.: 15.571 min
Delta R.T.: -0.013 min
Response: 54393
Conc: 82.91 pg/uL



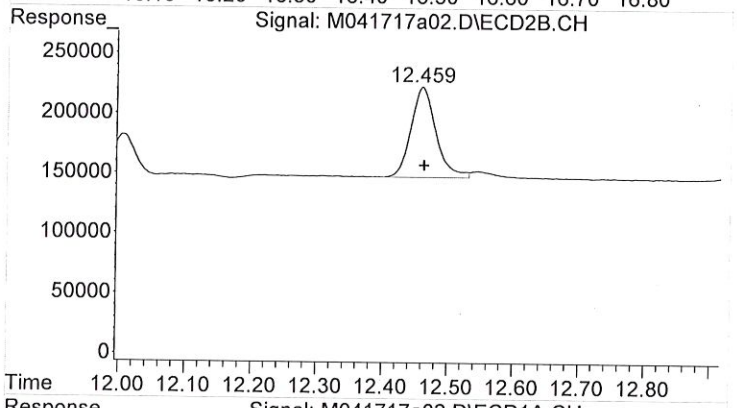
#10 1260-4

R.T.: 12.006 min
Delta R.T.: -0.002 min
Response: 35492
Conc: 99.10 pg/uL



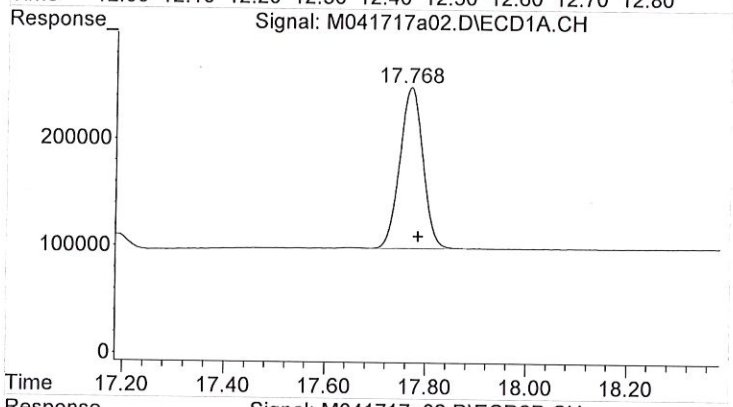
#11 1260-5

R.T.: 16.483 min
Delta R.T.: -0.014 min
Response: 55602
Conc: 86.75 pg/uL



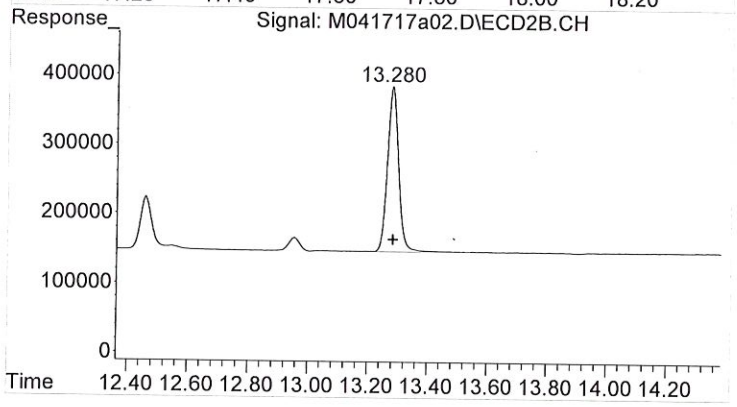
#11 1260-5

R.T.: 12.460 min
Delta R.T.: -0.003 min
Response: 75380
Conc: 92.41 pg/uL



#12 dcb

R.T.: 17.769 min
Delta R.T.: -0.016 min
Response: 150399
Conc: 9.09 pg/uL



#12 dcb

R.T.: 13.281 min
Delta R.T.: -0.003 min
Response: 237685
Conc: 9.77 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 16:10 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/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: Apr 24 14:02:42 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	245558	424657	8.821	9.521
12) S2 dcb	17.769	13.281	150399	237685	9.087	9.767
Target Compounds						
2) L1 1016 -1	7.590	5.341	41295	76102	76.958	89.607
3) L1 1016-2	8.652	5.805	54003	125467	84.174	85.543
4) L1 1016-3	9.305	6.418	66005	170078	82.522	86.717
5) L1 1016-4	9.448	6.594	43135	100133	82.846	88.137
6) L1 1016-5	9.551	6.678	14380	71513	74.023	87.738
Sum 1016 -1			218818	543294	400.523	437.741
Average 1016 -1					80.105	87.548
7) L2 1260-1	13.782	10.546	91760	44409	86.653	111.263 #
8) L2 1260-2	13.881	11.451	49035	83718	82.468	98.408
9) L2 1260-3	15.466	11.528	47994	66279	77.606	95.184
10) L2 1260-4	15.571	12.006	54393	35492	82.906	99.101
11) L2 1260-5	16.483	12.460	55602	75380	86.751	92.414
Sum 1260-1			298784	305277	416.385	496.370
Average 1260-1					83.277	99.274

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

lw
4/24/17

PCB CCV Report

Data File....: M041717a16.D
Dataname.....: 87PCB062716I
Analyzed.....: 04/17/2017 21:55

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

CCV Level..: 100 pg/uL
ICAL Date..: 03/21/2017

Datafile path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a16.D
DP Method path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.98	6.99	256015	10	9.22	-7.8	
	dcb	17.76	17.79	155432	10	9.43	-5.7	
	tmx (1) #2	4.80	4.80	443145	10	9.97	-0.3	
	dcb #2	13.28	13.28	245616	10	10.1	1	
Target					Criteria range: <±20%D			
	1016 -1	7.59	7.60	42944	100	80.4	-20	
	1016-2	8.65	8.66	55259	100	86.4	-14	
	1016-3	9.30	9.31	71299	100	90.0	-10	
	1016-4	9.45	9.46	45803	100	88.5	-11	
	1016-5	9.55	9.56	13837	100	71.0	-29	> ±20%
	1260-1	13.78	13.79	95227	100	90.4	-9.6	
	1260-2	13.88	13.89	51742	100	88.1	-12	
	1260-3	15.46	15.48	49661	100	80.5	-19	
	1260-4	15.57	15.58	58519	100	89.9	-10	
	1260-5	16.48	16.50	56852	100	89.0	-11	
	1016 -1 #2	5.34	5.34	77290	100	91.1	-8.9	
	1016-2 #2	5.81	5.81	128717	100	87.9	-12	
	1016-3 #2	6.42	6.42	178876	100	91.3	-8.7	
	1016-4 #2	6.59	6.60	102502	100	90.3	-9.7	
	1016-5 #2	6.68	6.68	73402	100	90.1	-9.9	
	1260-1 #2	10.54	10.55	37922	100	95.2	-4.8	
	1260-2 #2	11.45	11.45	80736	100	94.8	-5.2	
	1260-3 #2	11.53	11.53	66356	100	95.3	-4.7	
	1260-4 #2	12.00	12.01	38437	100	107	7.3	
	1260-5 #2	12.46	12.46	80663	100	98.9	-1.1	

Average %Difference:	%Diff
1016 Column 1 (n=5)	-17
1016 Column 2 (n=5)	-9.9
1260 Column 1 (n=5)	-12
1260 Column 2 (n=5)	-1.7

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 9:55 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/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: Apr 24 14:04:38 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.799	256015	443145	9.218	9.974
12) S2 dcb	17.762	13.279	155432	245616	9.434	10.100
Target Compounds						
2) L1 1016 -1	7.588	5.342	42944	77290	80.410	91.089
3) L1 1016-2	8.651	5.805	55259	128717	86.426	87.868
4) L1 1016-3	9.304	6.419	71299	178876	90.043	91.253
5) L1 1016-4	9.446	6.594	45803	102502	88.501	90.275
6) L1 1016-5	9.550	6.678	13837	73402	70.975	90.091 #
Sum 1016 -1			229141	560787	416.356	450.576
Average 1016 -1					83.271	90.115
7) L2 1260-1	13.779	10.545	95227	37922	90.414	95.238
8) L2 1260-2	13.878	11.450	51742	80736	88.145	94.827
9) L2 1260-3	15.459	11.528	49661	66356	80.545	95.294
10) L2 1260-4	15.567	12.004	58519	38437	89.925	107.276
11) L2 1260-5	16.477	12.459	56852	80663	88.952	98.862
Sum 1260-1			312002	304114	437.980	491.497
Average 1260-1					87.596	98.299

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

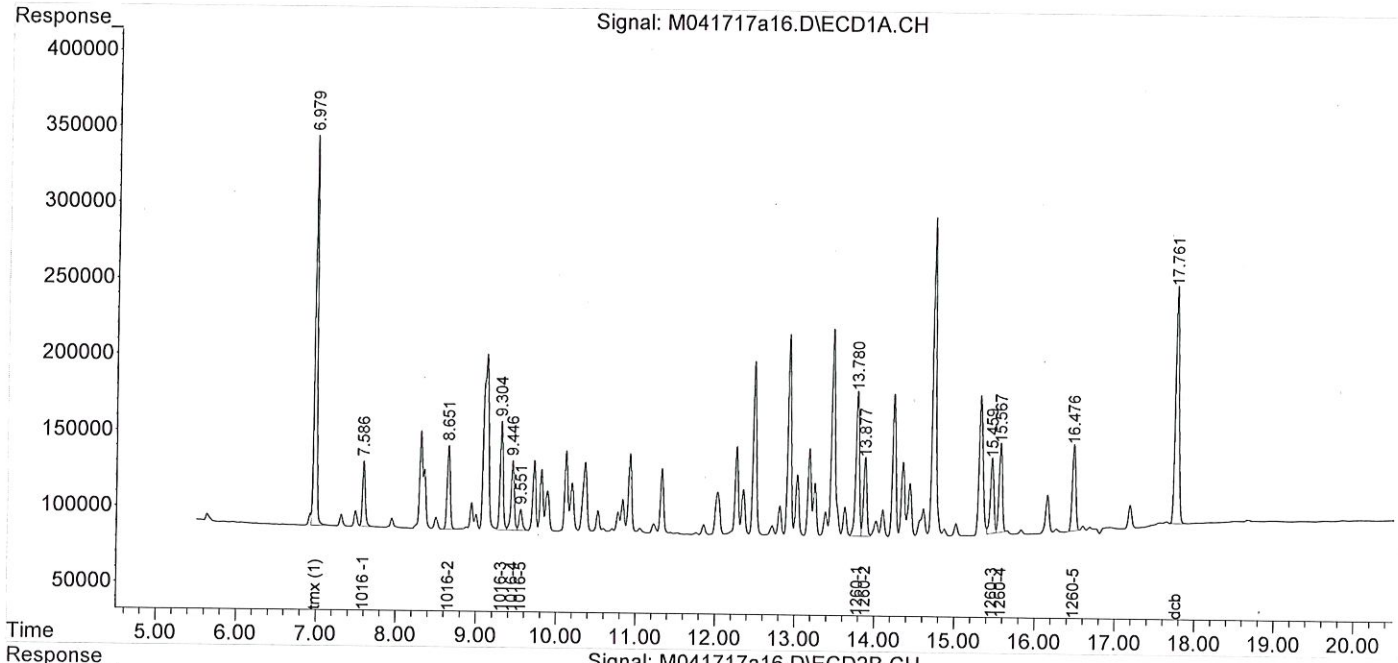
MW
4/24/17

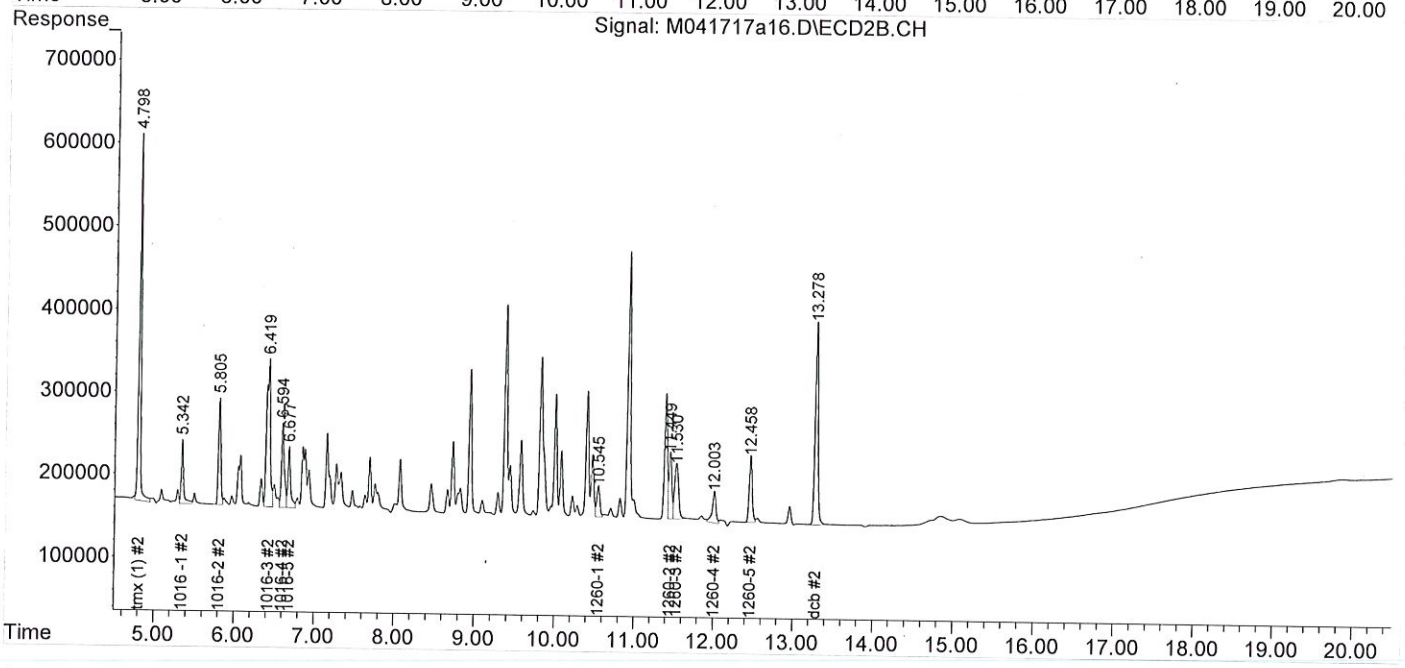
Quantitation Report (QT Reviewed)

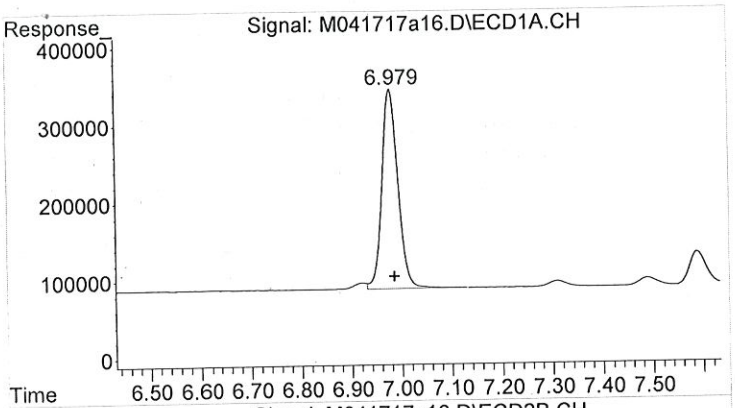
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 9:55 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:04:38 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

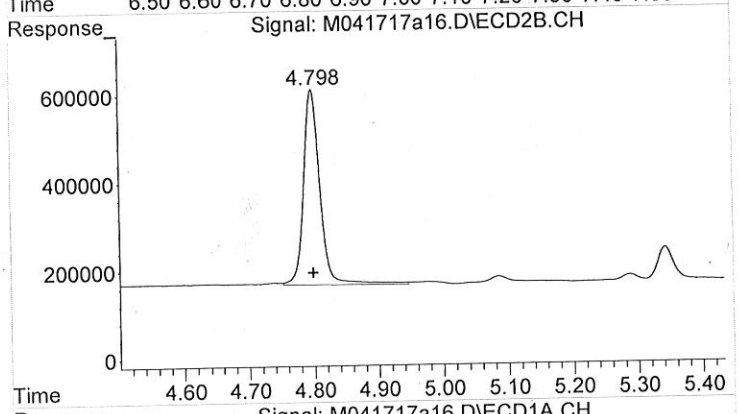






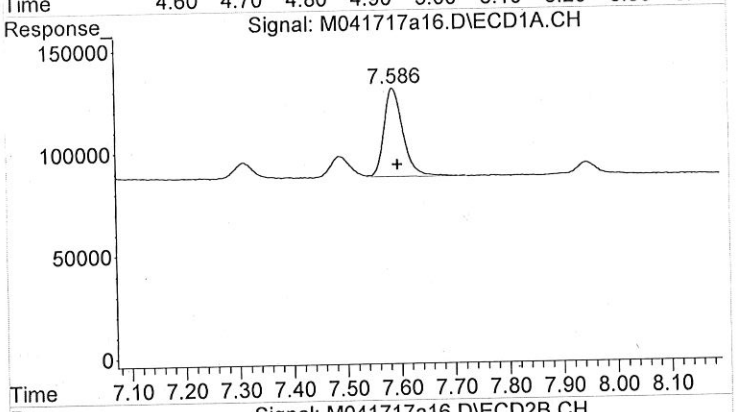
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.006 min
Response: 256015
Conc: 9.22 pg/uL



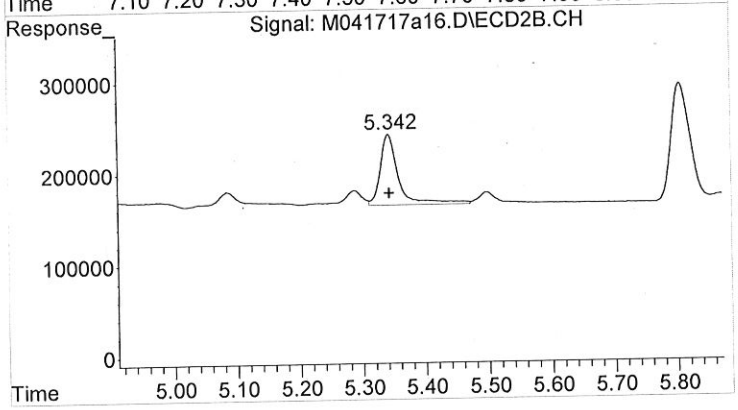
#1 tmx (1)

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 443145
Conc: 9.97 pg/uL



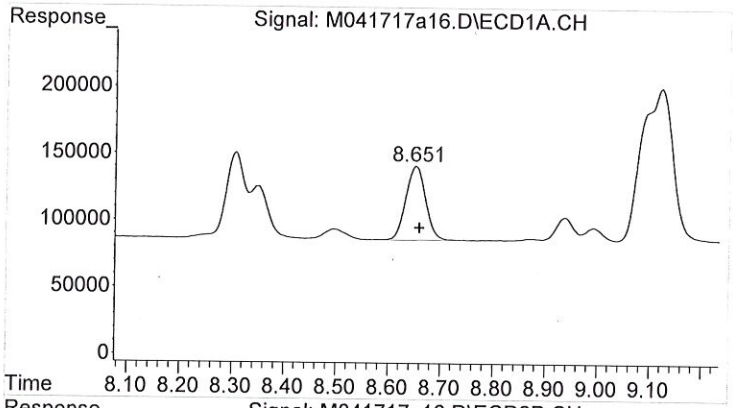
#2 1016 -1

R.T.: 7.588 min
Delta R.T.: -0.008 min
Response: 42944
Conc: 80.41 pg/uL



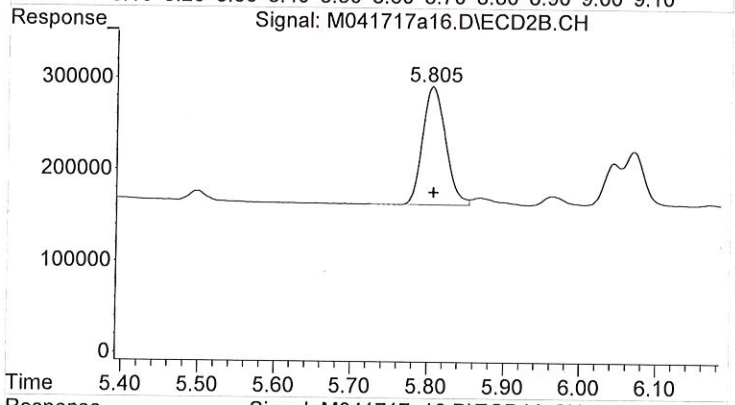
#2 1016 -1

R.T.: 5.342 min
Delta R.T.: -0.001 min
Response: 77290
Conc: 91.09 pg/uL



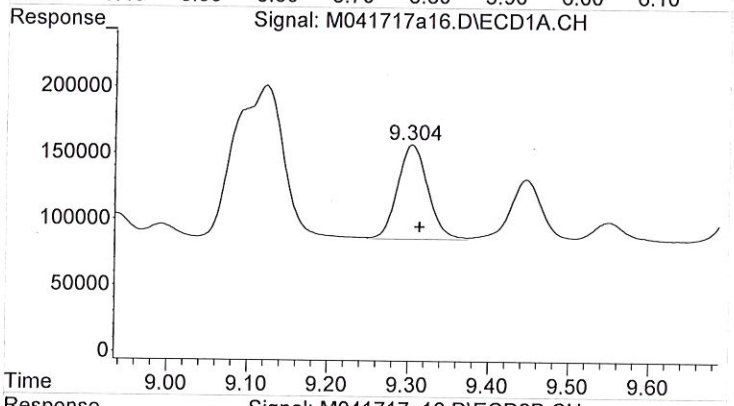
#3 1016-2

R.T.: 8.651 min
Delta R.T.: -0.008 min
Response: 55259
Conc: 86.43 pg/uL



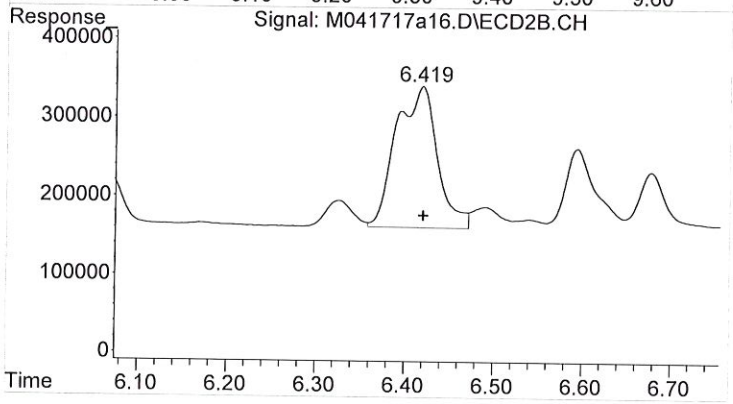
#3 1016-2

R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 128717
Conc: 87.87 pg/uL



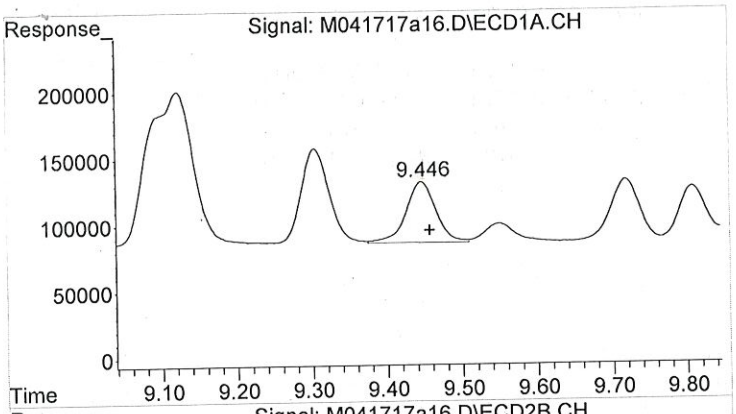
#4 1016-3

R.T.: 9.304 min
Delta R.T.: -0.010 min
Response: 71299
Conc: 90.04 pg/uL



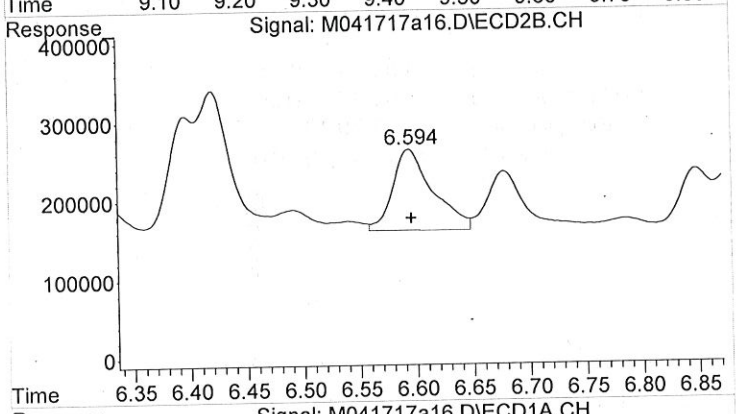
#4 1016-3

R.T.: 6.419 min
Delta R.T.: -0.002 min
Response: 178876
Conc: 91.25 pg/uL



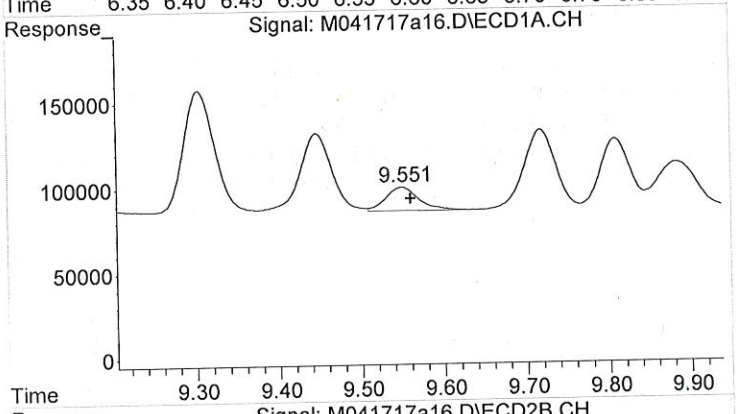
#5 1016-4

R.T.: 9.446 min
Delta R.T.: -0.011 min
Response: 45803
Conc: 88.50 pg/uL



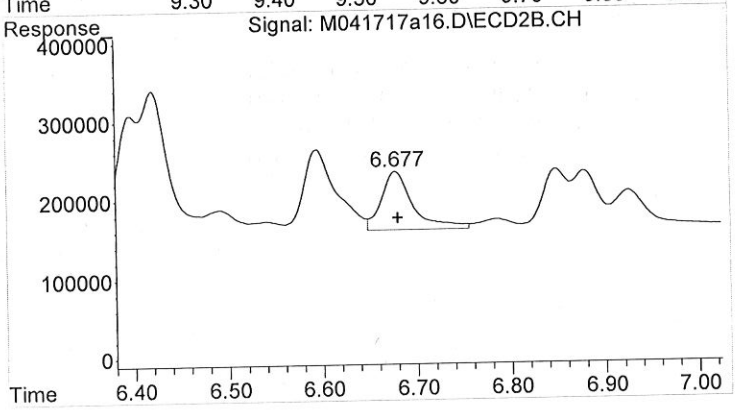
#5 1016-4

R.T.: 6.594 min
Delta R.T.: -0.002 min
Response: 102502
Conc: 90.27 pg/uL



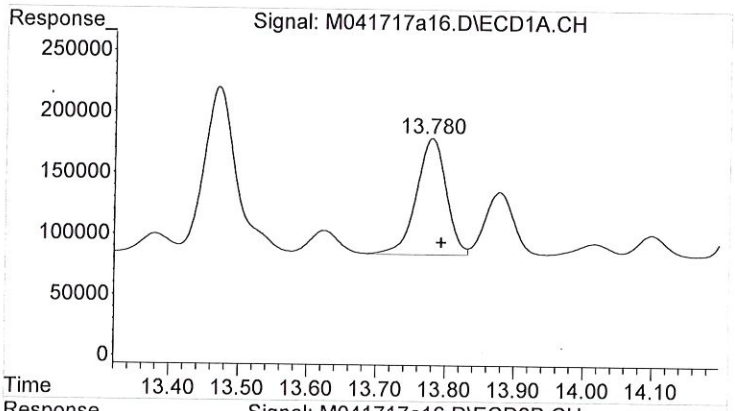
#6 1016-5

R.T.: 9.550 min
Delta R.T.: -0.010 min
Response: 13837
Conc: 70.98 pg/uL



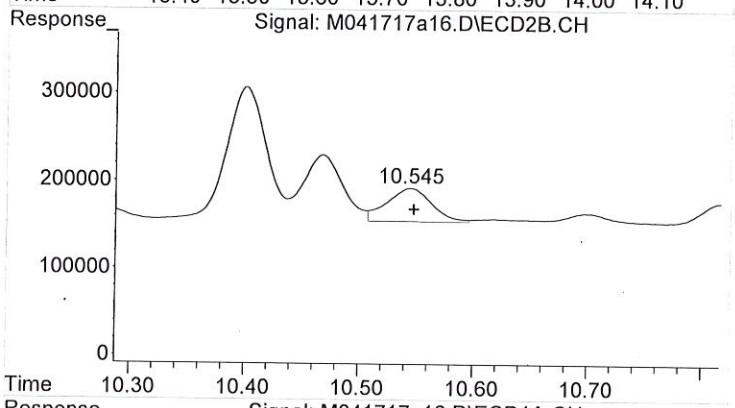
#6 1016-5

R.T.: 6.678 min
Delta R.T.: -0.002 min
Response: 73402
Conc: 90.09 pg/uL



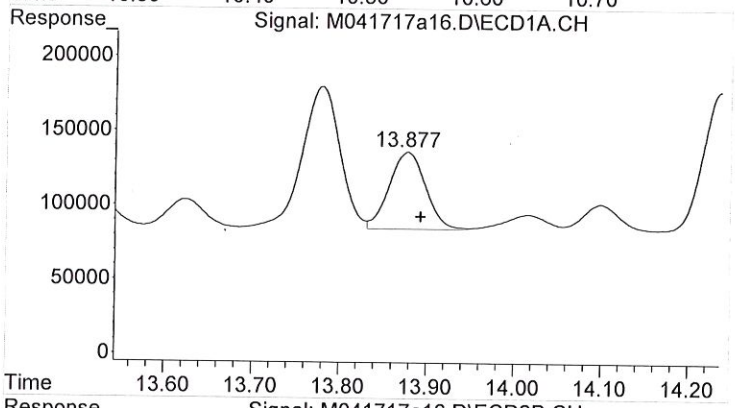
#7 1260-1

R.T.: 13.779 min
Delta R.T.: -0.015 min
Response: 95227
Conc: 90.41 pg/uL



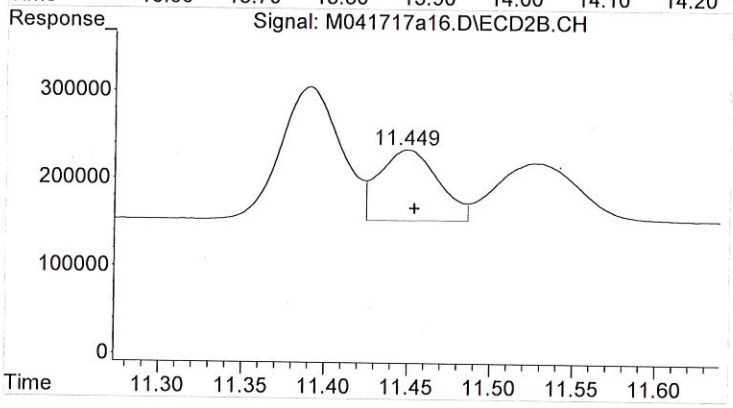
#7 1260-1

R.T.: 10.545 min
Delta R.T.: -0.003 min
Response: 37922
Conc: 95.24 pg/uL



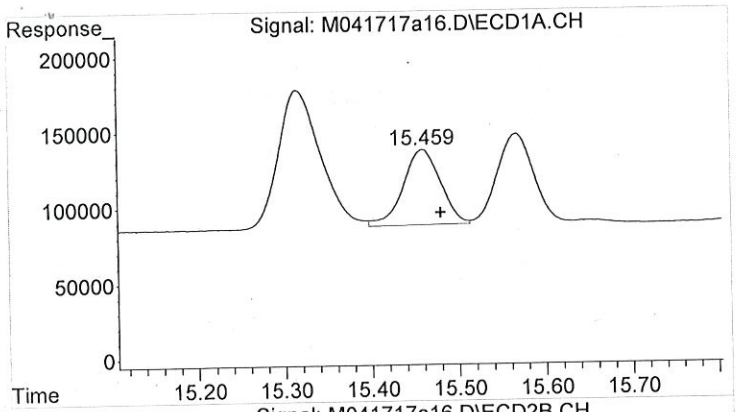
#8 1260-2

R.T.: 13.878 min
Delta R.T.: -0.015 min
Response: 51742
Conc: 88.14 pg/uL



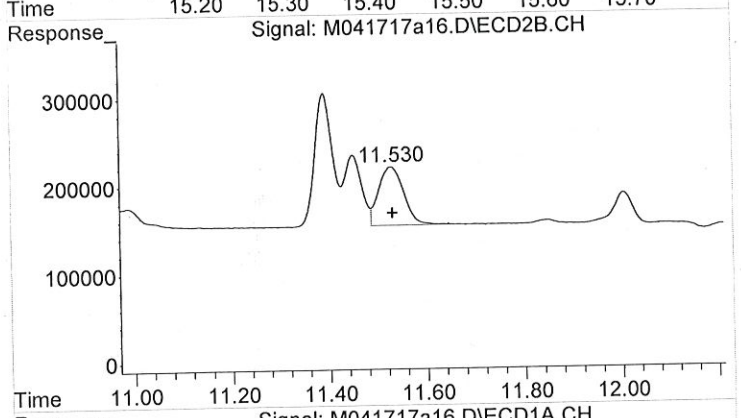
#8 1260-2

R.T.: 11.450 min
Delta R.T.: -0.004 min
Response: 80736
Conc: 94.83 pg/uL



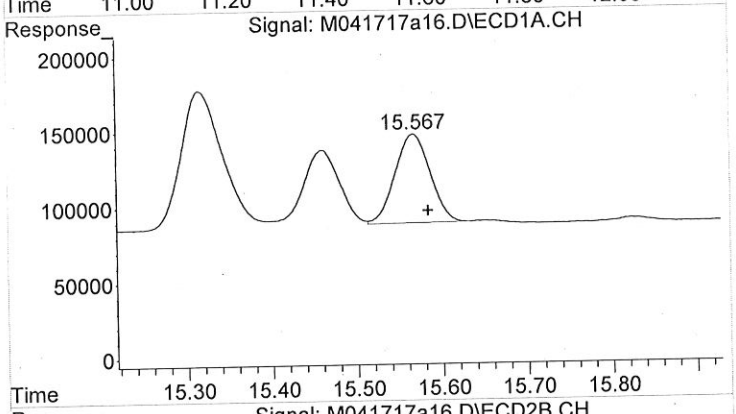
#9 1260-3

R.T.: 15.459 min
Delta R.T.: -0.021 min
Response: 49661
Conc: 80.54 pg/uL



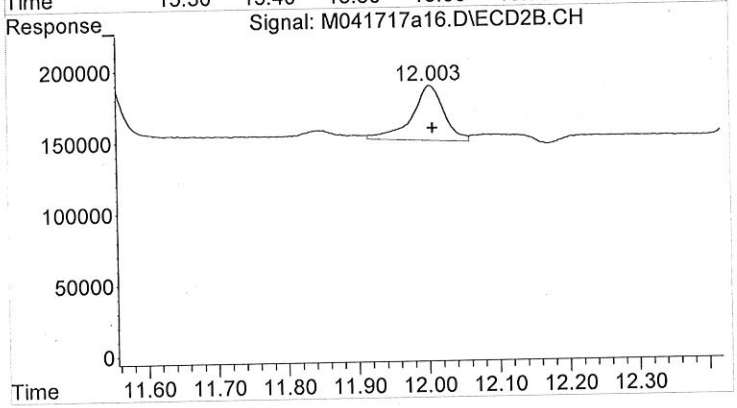
#9 1260-3

R.T.: 11.528 min
Delta R.T.: -0.003 min
Response: 66356
Conc: 95.29 pg/uL



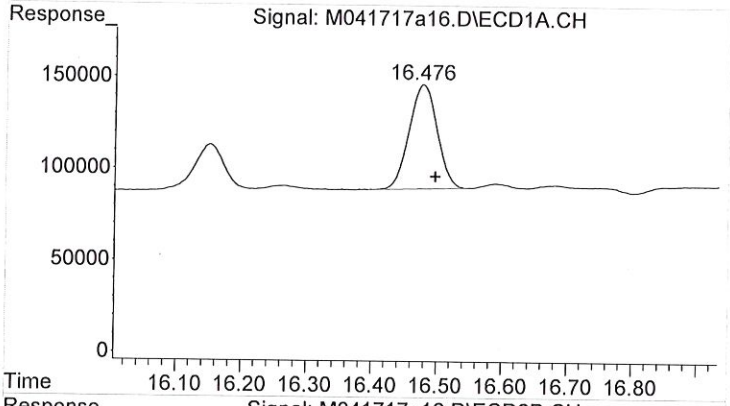
#10 1260-4

R.T.: 15.567 min
Delta R.T.: -0.017 min
Response: 58519
Conc: 89.93 pg/uL



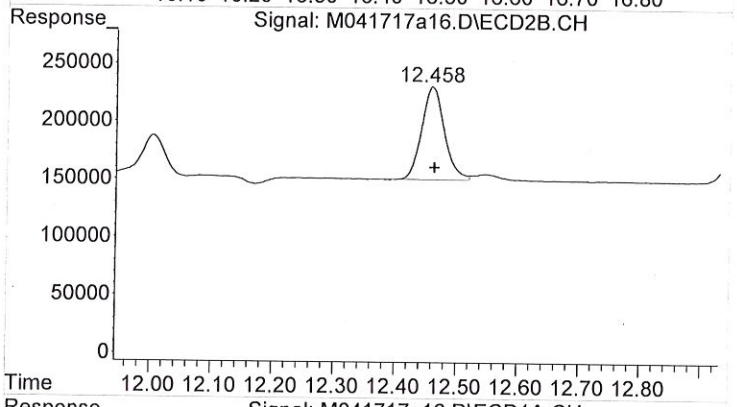
#10 1260-4

R.T.: 12.004 min
Delta R.T.: -0.004 min
Response: 38437
Conc: 107.28 pg/uL



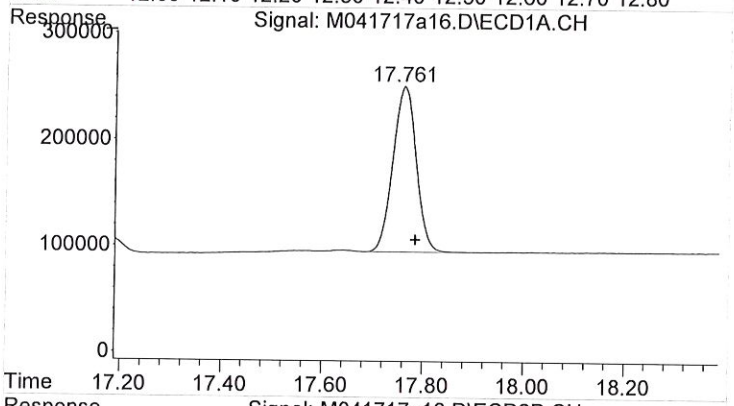
#11 1260-5

R.T.: 16.477 min
Delta R.T.: -0.020 min
Response: 56852
Conc: 88.95 pg/uL



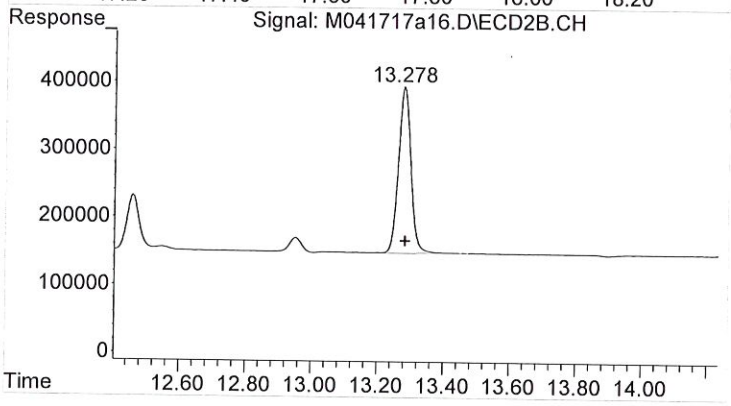
#11 1260-5

R.T.: 12.459 min
Delta R.T.: -0.004 min
Response: 80663
Conc: 98.86 pg/uL



#12 dcb

R.T.: 17.762 min
Delta R.T.: -0.023 min
Response: 155432
Conc: 9.43 pg/uL



#12 dcb

R.T.: 13.279 min
Delta R.T.: -0.005 min
Response: 245616
Conc: 10.10 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 21:55 pm
Operator : DWOOD
Sample : 87PCB062716I
Misc : PCB 1016/1260 Cont Cal 100 pg/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: Apr 24 14:04:38 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.799	256015	443145	9.218	9.974
12) S2 dcb	17.762	13.279	155432	245616	9.434	10.100
Target Compounds						
2) L1 1016 -1	7.588	5.342	42944	77290	80.410	91.089
3) L1 1016-2	8.651	5.805	55259	128717	86.426	87.868
4) L1 1016-3	9.304	6.419	71299	178876	90.043	91.253
5) L1 1016-4	9.446	6.594	45803	102502	88.501	90.275
6) L1 1016-5	9.550	6.678	13837	73402	70.975	90.091 #
Sum 1016 -1			229141	560787	416.356	450.576
Average 1016 -1					83.271	90.115
7) L2 1260-1	13.779	10.545	95227	37922	90.414	95.238
8) L2 1260-2	13.878	11.450	51742	80736	88.145	94.827
9) L2 1260-3	15.459	11.528	49661	66356	80.545	95.294
10) L2 1260-4	15.567	12.004	58519	38437	89.925	107.276
11) L2 1260-5	16.477	12.459	56852	80663	88.952	98.862
Sum 1260-1			312002	304114	437.980	491.497
Average 1260-1					87.596	98.299

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

MW
4/24/17

PCB CCV Report

Data File....: M041817a02.D
Dataname.....: 87PCB083016C
Analyzed.....: 04/18/2017 13:47

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

CCV Level..: 100 pg/uL
ICAL Date..: 03/30/2017

Datafile path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\M041817a02.D
DP Method path...: J:\Organics\Minerva\Methods\M033017PCB1254_41717.M

PCB 1254 Cont Cal 100 pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	7.18	-	m	10	-	-	
	dcb	-	>±1%	18.07	-	m	10	-	-	
	tmx (1) #2	-	>±1%	5.08	-	m	10	-	-	
	dcb #2	-	>±1%	13.85	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1254 -1	10.12		10.12	30555		100	107	6.6	
	1254-2	11.05		11.05	14308		100	98.2	-1.8	
	1254-3	11.43		11.44	44639		100	106	6.2	
	1254-4	11.75		11.76	37362		100	105	5.3	
	1254-5	11.94		11.95	24370		100	101	1.2	
	1254 -1 #2	6.85		6.85	88175		100	107	7.4	
	1254-2 #2	7.15		7.15	48626		100	108	8.4	
	1254-3 #2	7.75		7.75	87658		100	111	11	
	1254-4 #2	8.12		8.12	78761		100	110	10	
	1254-5 #2	8.41		8.41	67599		100	111	11	

Average %Difference:	%Diff
1254 Column 1 (n=5)	3.5
1254 Column 2 (n=5)	9.6

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 13:47 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:02:23 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D. d	N.D. d
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.116	6.846	30555	88175	106.577	107.418
3) L1 1254-2	11.049	7.149	14308	48626	98.203	108.419
4) L1 1254-3	11.432	7.752	44639	87658	106.170	111.440
5) L1 1254-4	11.752	8.121	37362	78761	105.266	110.100
6) L1 1254-5	11.942	8.409	24370	67599	101.215	110.678
Sum 1254 -1			151234	370820	517.431	548.054
Average 1254 -1					103.486	109.611

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

MW
4/25/17

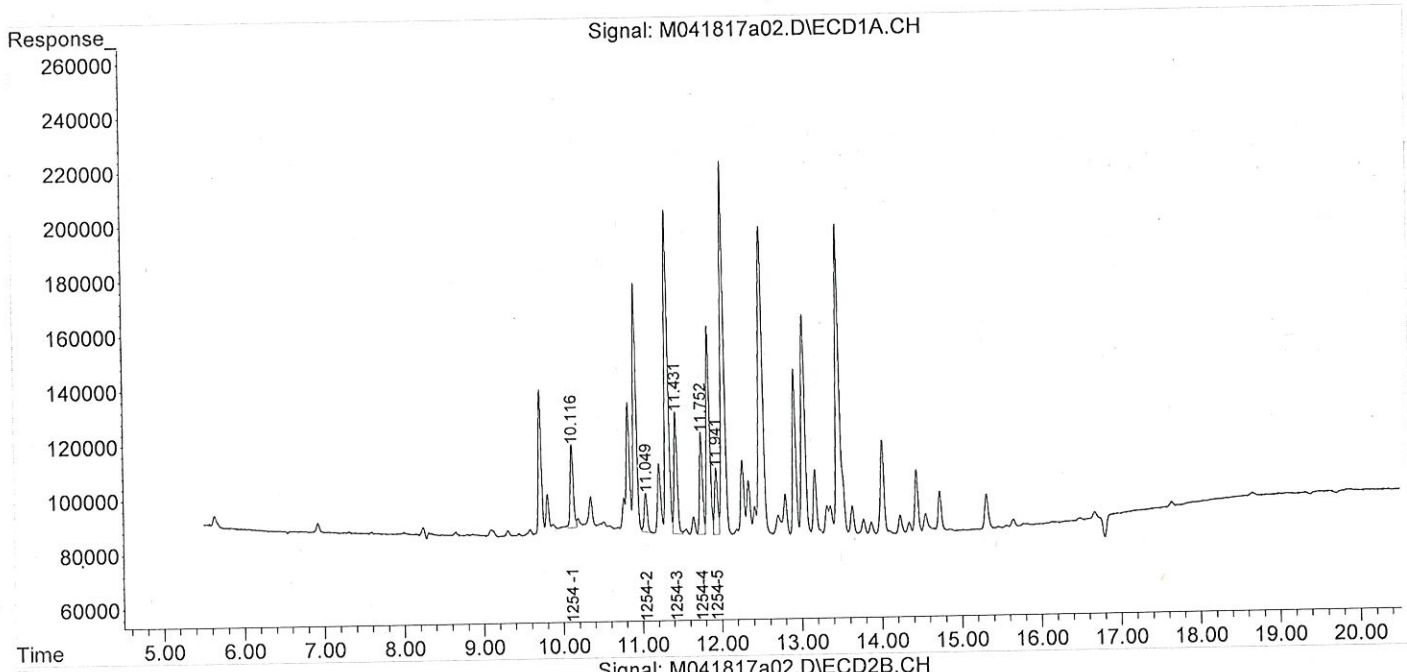
Quantitation Report (QT Reviewed)

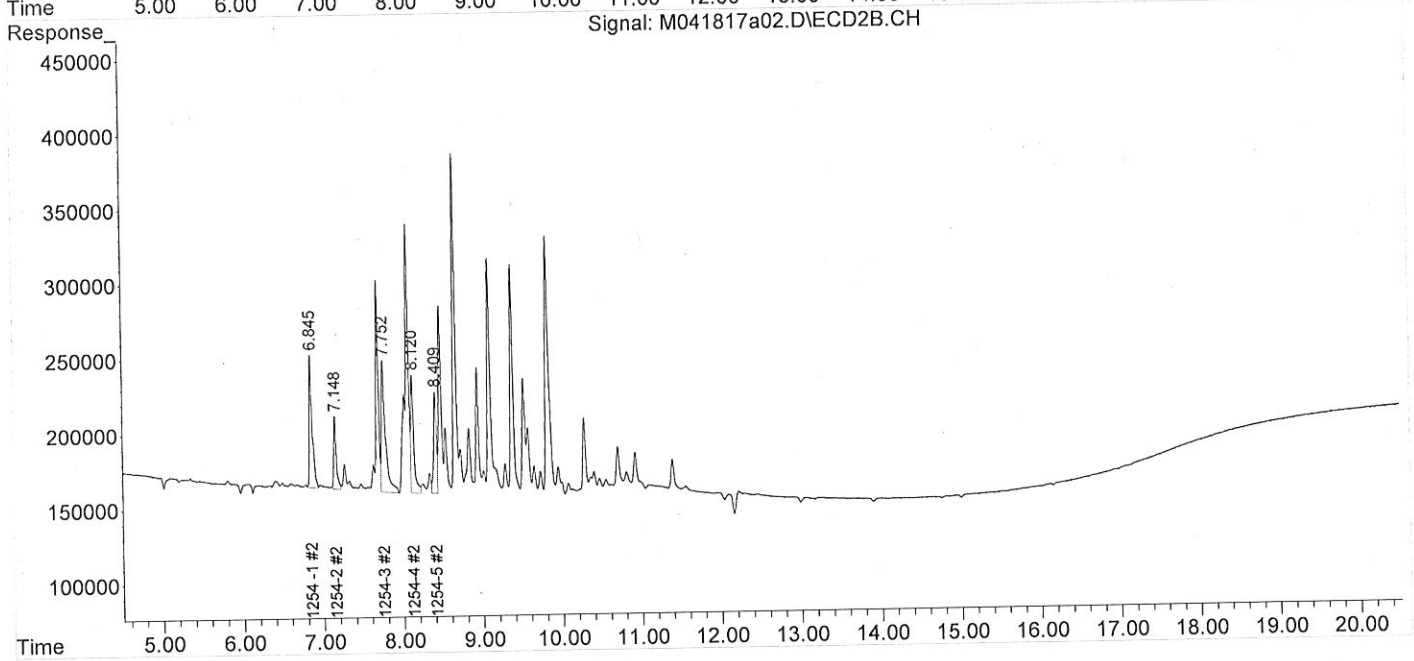
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 13:47 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

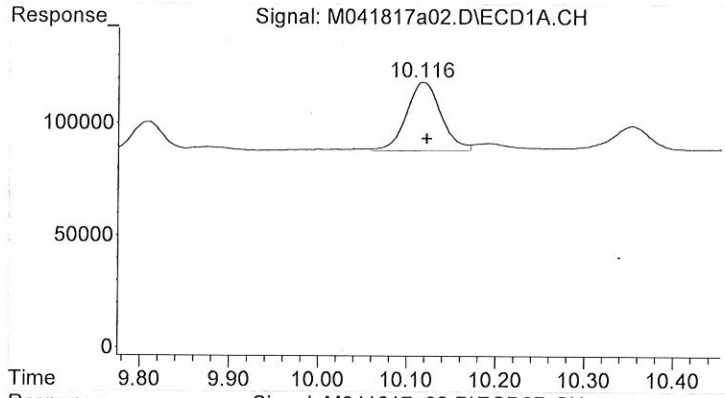
Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:02:23 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Signal #2 Phase: CLPest2
Signal #2 Info : .32

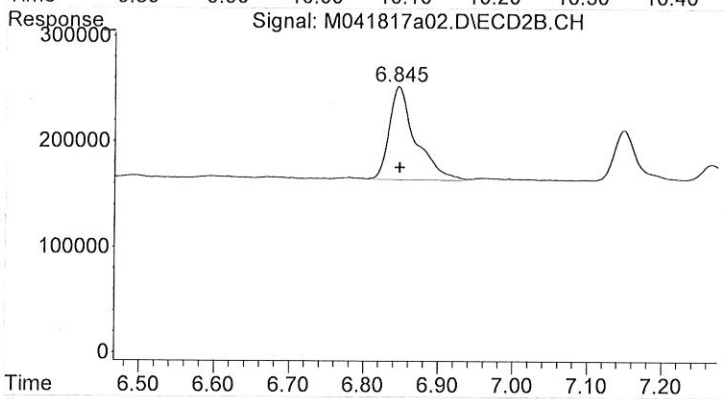






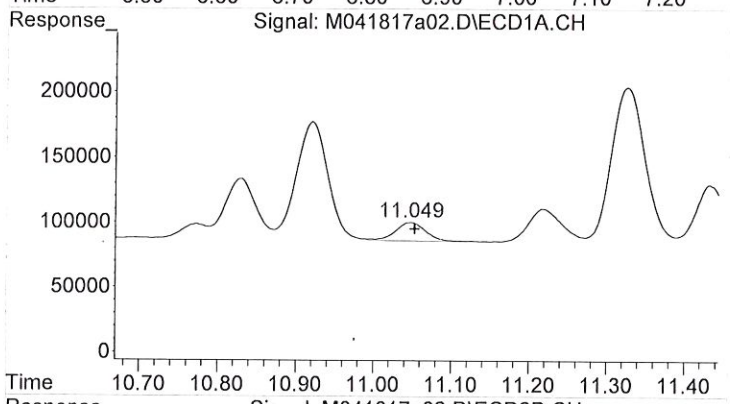
#2 1254 -1

R.T.: 10.116 min
Delta R.T.: -0.006 min
Response: 30555
Conc: 106.58 pg/uL



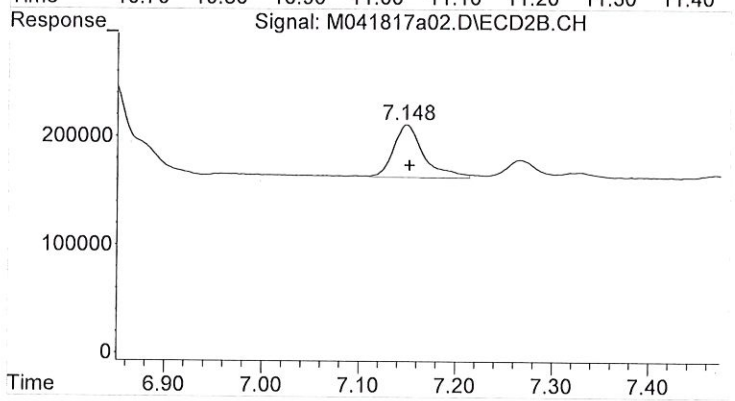
#2 1254 -1

R.T.: 6.846 min
Delta R.T.: -0.002 min
Response: 88175
Conc: 107.42 pg/uL



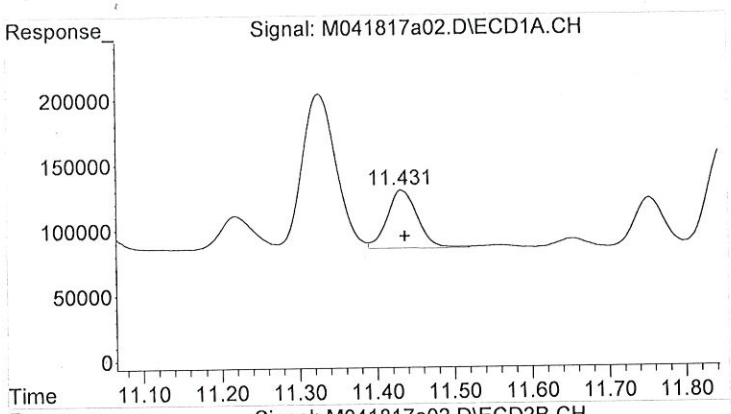
#3 1254-2

R.T.: 11.049 min
Delta R.T.: -0.004 min
Response: 14308
Conc: 98.20 pg/uL



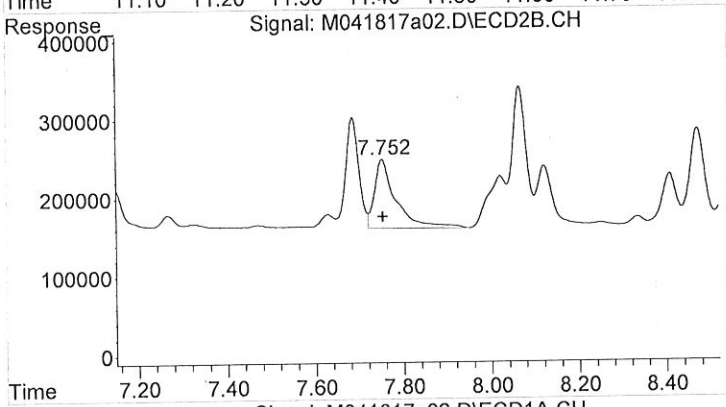
#3 1254-2

R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 48626
Conc: 108.42 pg/uL



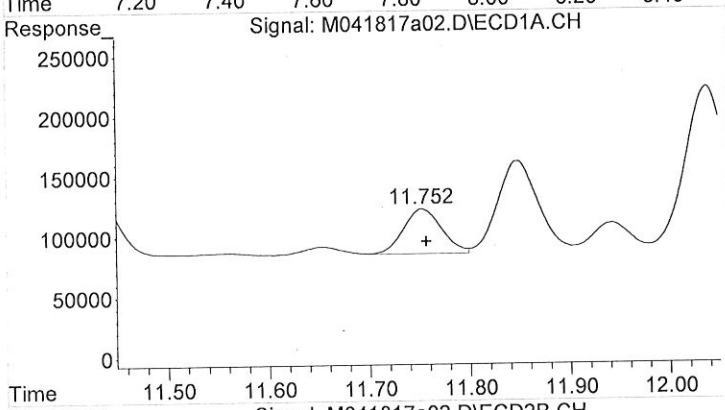
#4 1254-3

R.T.: 11.432 min
Delta R.T.: -0.005 min
Response: 44639
Conc: 106.17 pg/uL



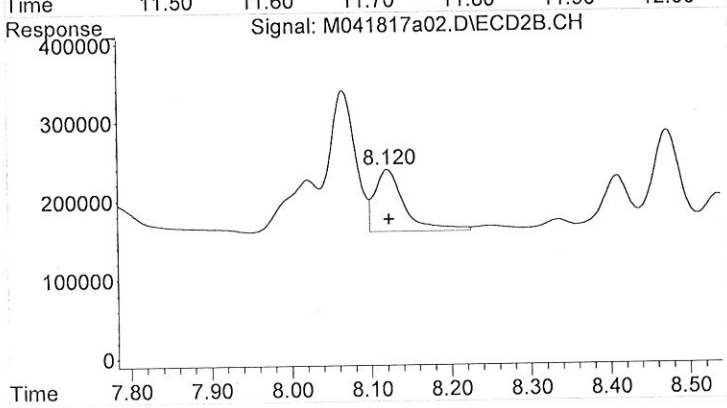
#4 1254-3

R.T.: 7.752 min
Delta R.T.: -0.002 min
Response: 87658
Conc: 111.44 pg/uL



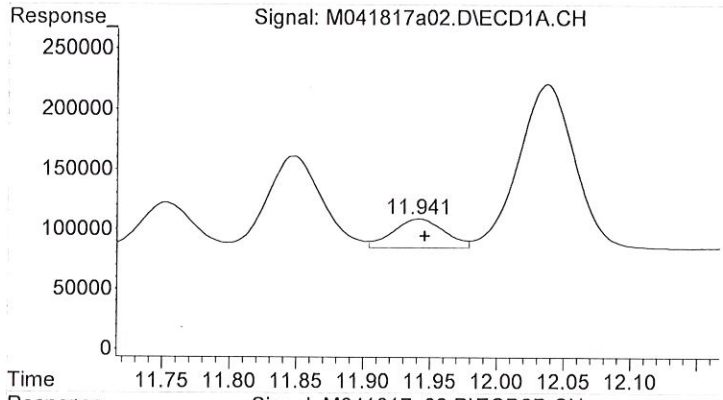
#5 1254-4

R.T.: 11.752 min
Delta R.T.: -0.005 min
Response: 37362
Conc: 105.27 pg/uL



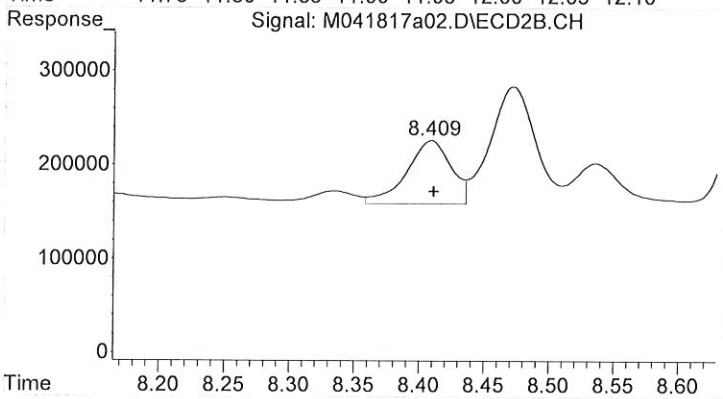
#5 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 78761
Conc: 110.10 pg/uL



#6 1254-5

R.T.: 11.942 min
Delta R.T.: -0.005 min
Response: 24370
Conc: 101.21 pg/uL



#6 1254-5

R.T.: 8.409 min
Delta R.T.: -0.002 min
Response: 67599
Conc: 110.68 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 13:47 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:49:48 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	5.084	0	~~6541~~	N.D.	NoCal
7) S2 dcb	18.090	0.000	~~3953~~	0	NoCal	N.D.
Target Compounds						
2) L1 1254 -1	10.116	6.846	30555	88175	106.577	107.418
3) L1 1254-2	11.049	7.149	14308	48626	98.203	108.419
4) L1 1254-3	11.432	7.752	44639	87658	106.170	111.440
5) L1 1254-4	11.752	8.121	37362	78761	105.266	110.100
6) L1 1254-5	11.942	8.409	24370	67599	101.215	110.678
Sum 1254 -1			151234	370820	517.431	548.054
Average 1254 -1					103.486	109.611

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

4/24/17

PCB CCV Report

Data File....: M041817a07.D
Dataname.....: 87PCB083016C
Analyzed.....: 04/18/2017 15:50

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

CCV Level..: 100 pg/uL
ICAL Date..: 03/30/2017

Datafile path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\M041817a07.D
DP Method path...: J:\Organics\Minerva\Methods\M033017PCB1254_41717.M

PCB 1254 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	- >±1%	7.18	- m	10	-	-	
	dcb	- >±1%	18.07	- m	10	-	-	
	tmx (1) #2	- >±1%	5.08	- m	10	-	-	
	dcb #2	- >±1%	13.85	- m	10	-	-	
Target					Criteria range: <±20%D			
	1254 -1	10.12	10.12	29990	100	104	4.5	
	1254-2	11.05	11.05	15083	100	104	3.9	
	1254-3	11.43	11.44	44608	100	106	6.1	
	1254-4	11.75	11.76	36911	100	104	3.9	
	1254-5	11.94	11.95	24181	100	100	0.39	
	1254 -1 #2	6.85	6.85	87490	100	107	6.6	
	1254-2 #2	7.15	7.15	47091	100	105	5.0	
	1254-3 #2	7.75	7.75	84468	100	107	7.4	
	1254-4 #2	8.12	8.12	77930	100	109	8.9	
	1254-5 #2	8.41	8.41	66897	100	110	9.5	

Average %Difference:	%Diff
1254 Column 1 (n=5)	3.7
1254 Column 2 (n=5)	7.5

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 15:50 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:05:45 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D. d	N.D. d
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.117	6.847	29990	87490	104.490	106.565
3) L1 1254-2	11.046	7.148	15083	47091	103.851	104.988
4) L1 1254-3	11.432	7.753	44608	84468	106.090	107.387
5) L1 1254-4	11.752	8.121	36911	77930	103.898	108.911
6) L1 1254-5	11.940	8.408	24181	66897	100.393	109.534
Sum 1254 -1			150772	363875	518.722	537.384
Average 1254 -1					103.744	107.477

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

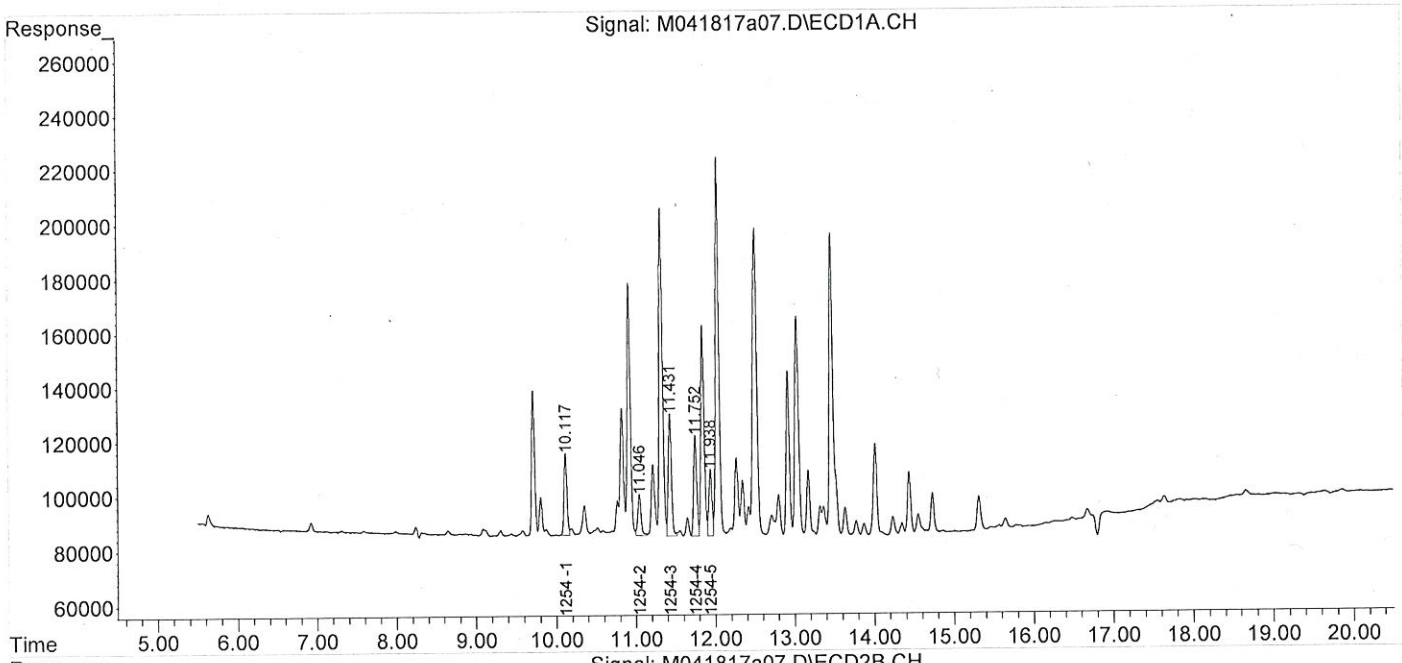
lw
4/25/17

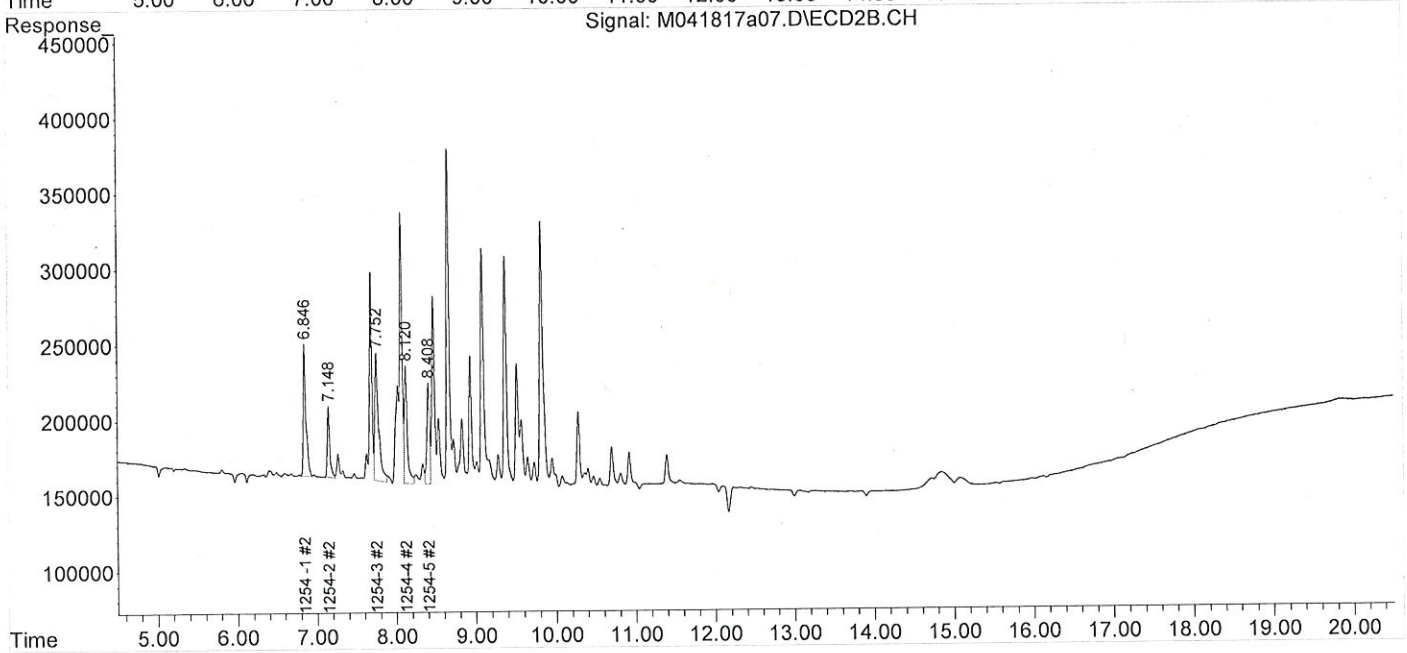
Quantitation Report (QT Reviewed)

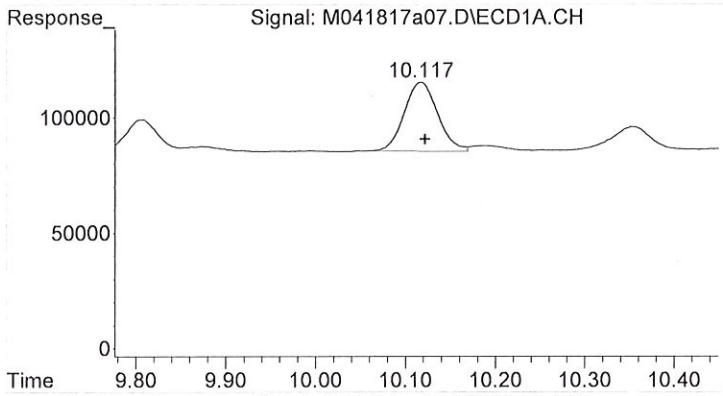
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 15:50 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:05:45 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

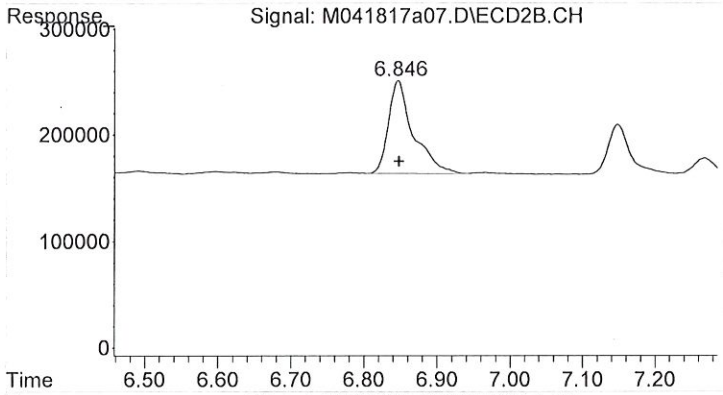






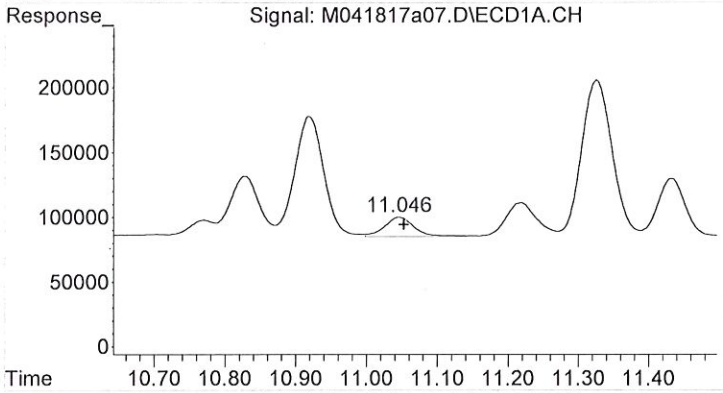
#2 1254 -1

R.T.: 10.117 min
Delta R.T.: -0.005 min
Response: 29990
Conc: 104.49 pg/uL



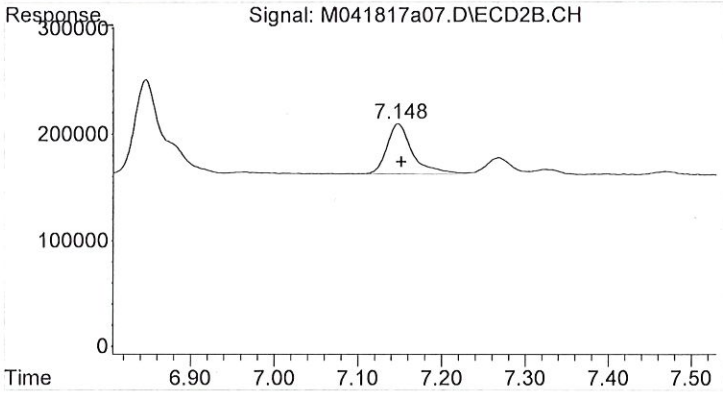
#2 1254 -1

R.T.: 6.847 min
Delta R.T.: -0.001 min
Response: 87490
Conc: 106.56 pg/uL



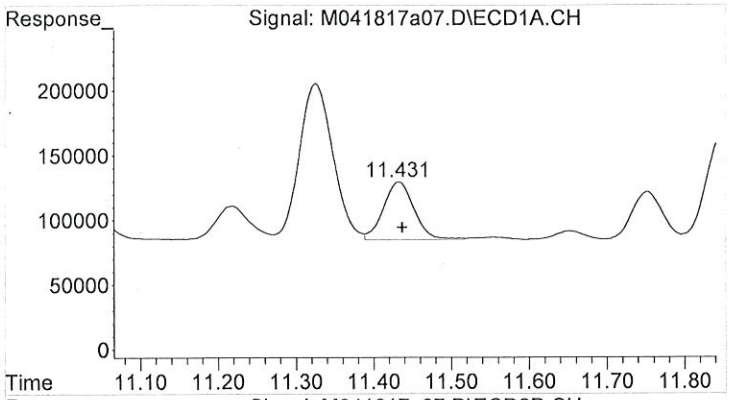
#3 1254-2

R.T.: 11.046 min
Delta R.T.: -0.007 min
Response: 15083
Conc: 103.85 pg/uL



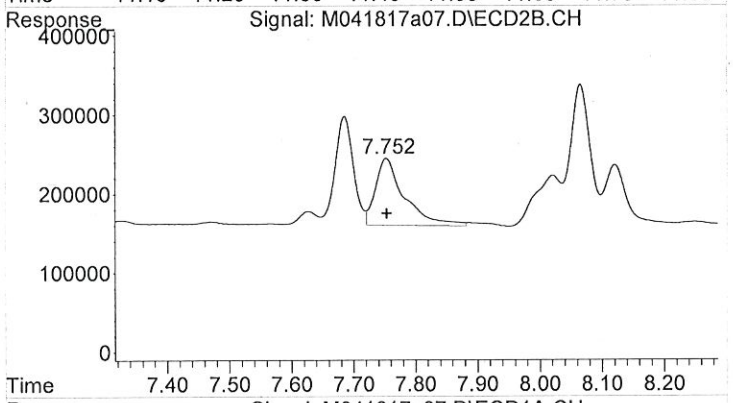
#3 1254-2

R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 47091
Conc: 104.99 pg/uL



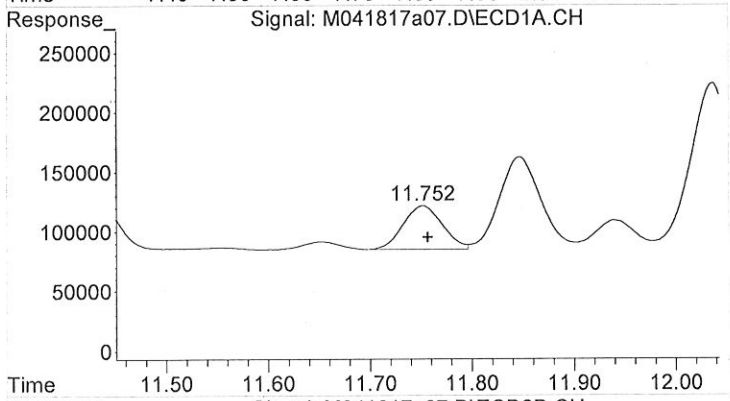
#4 1254-3

R.T.: 11.432 min
Delta R.T.: -0.005 min
Response: 44608
Conc: 106.09 pg/uL



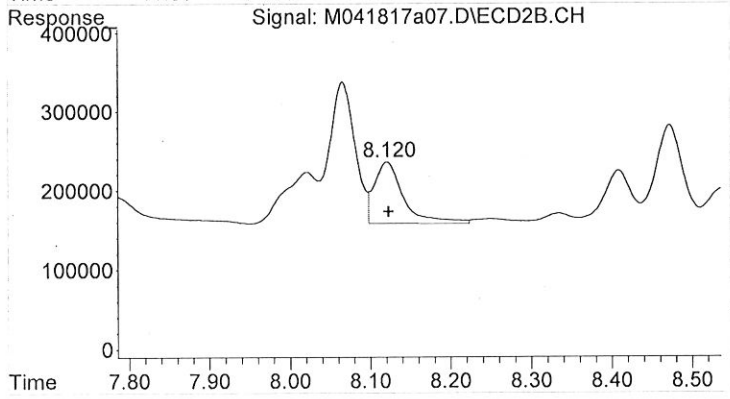
#4 1254-3

R.T.: 7.753 min
Delta R.T.: -0.001 min
Response: 84468
Conc: 107.39 pg/uL



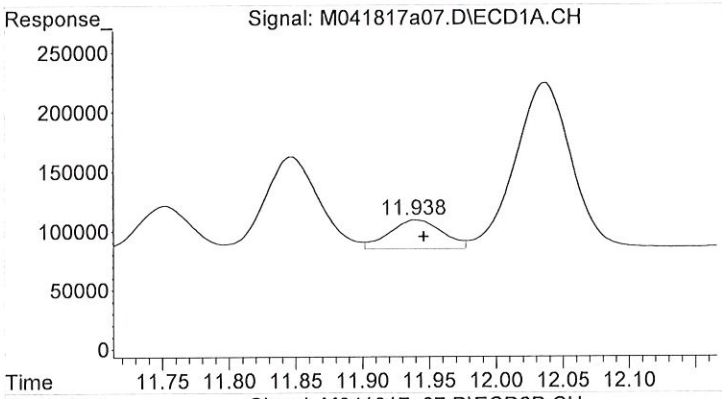
#5 1254-4

R.T.: 11.752 min
Delta R.T.: -0.005 min
Response: 36911
Conc: 103.90 pg/uL



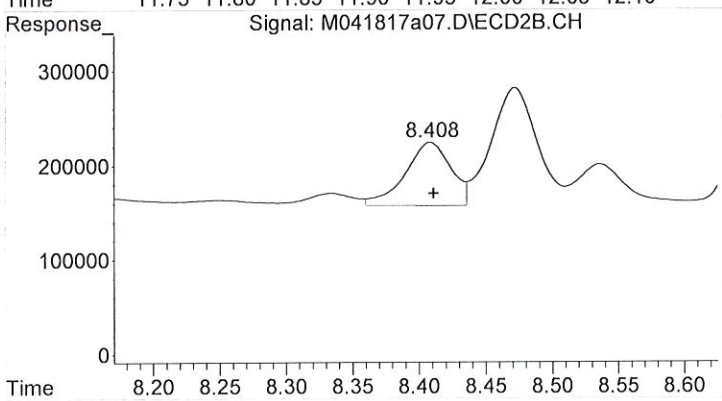
#5 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 77930
Conc: 108.91 pg/uL



#6 1254-5

R.T.: 11.940 min
Delta R.T.: -0.006 min
Response: 24181
Conc: 100.39 pg/uL



#6 1254-5

R.T.: 8.408 min
Delta R.T.: -0.003 min
Response: 66897
Conc: 109.53 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 15:50 pm
Operator : DWOOD
Sample : 87PCB083016C
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:50:24 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	5.084	0	~~5200~~	N.D.	NoCal
7) S2 dcb	18.045	13.813	~~5505~~	~~2677~~	NoCal	NoCal
Target Compounds						
2) L1 1254 -1	10.117	6.847	29990	87490	104.490	106.565
3) L1 1254-2	11.046	7.148	15083	47091	103.851	104.988
4) L1 1254-3	11.432	7.753	44608	84468	106.090	107.387
5) L1 1254-4	11.752	8.121	36911	77930	103.898	108.911
6) L1 1254-5	11.940	8.408	24181	66897	100.393	109.534
Sum 1254 -1			150772	363875	518.722	537.384
Average 1254 -1					103.744	107.477

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

4/24/17

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

PCB Sample Results Summary

Sample.....: 17154108
Data File....: M041717a14.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/17/2017 21:06
Type.....: 0

Date Prepped...: 4/17/2017
ICAL Date.....: 03/21/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 14

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

Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a14.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	6.99	1103640		50	41	83 %Rec	
12	2.5	250	dcb	17.76	17.79	583283		50	39	78 %Rec	
14	2.5	250	tmx (1) #2	4.80	4.80	1943490		50	47	93 %Rec	
25	2.5	250	dcb #2	13.28	13.28	983077		50	41	82 %Rec	
2	25	1000	1016 -1	-	-	-	d	-	-	0.25 ug (RL)	U
3	25	1000	1016-2	8.65	8.66	4822		-	0.25		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	13.78	13.79	32119		-	22	0.25 ug (RL)	U
8	25	1000	1260-2	13.88	13.89	16948		-	15	0.25 ug (RL)	U
9	25	1000	1260-3	15.46	15.48	23731		-	35	0.35 ug	
10	25	1000	1260-4	15.56	15.58	24142		-	31	0.31 ug	
11	25	1000	1260-5	16.48	16.50	23611		-	30	0.30 ug	
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	-	-	-	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	10.55	10.55	11249		-	29	0.29 ug	
21	25	1000	1260-2 #2	11.45	11.45	27157		-	31	0.31 ug	
22	25	1000	1260-3 #2	11.52	11.53	35698		-	51	0.51 ug	
23	25	1000	1260-4 #2	12.00	12.01	8926		-	25	0.25 ug	
24	25	1000	1260-5 #2	12.46	12.46	19894		-	25	0.25 ug (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	0.25	ug (RL)	0	NA	
12674112	1016 Column 2	0.25	ug (RL)	0	NA	
11096825	1260 Column 1	0.32	ug	3	8 %	
11096825	1260 Column 2	0.34	ug	4	34 %	5 %

Results will be reported from Column 1

[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.

Generated Tue Apr 25 10:01:52 2017

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 9:06 pm
Operator : DWOOD
Sample : 17154108
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:59:17 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	1103643	1943485	41.400	46.715
12) S2 dcb	17.764	13.281	583283	983077	38.882	41.069
Target Compounds						
2) L1 1016 -1	0.000	0.000	0	0	N.D. d	N.D. d
3) L1 1016-2	8.654	0.000	4822	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	13.780	10.548	32119	11249	21.955	29.342 #
8) L2 1260-2	13.879	11.451	16948	27157	15.194	30.511 #
9) L2 1260-3	15.463	11.520	23731	35698	35.377	51.310 #
10) L2 1260-4	15.564	12.002	24142	8926	31.454	25.378
11) L2 1260-5	16.485	12.457	23611	19894	30.424	24.693
Sum 1260-1			120550	102923	134.404	161.234
Average 1260-1					26.881	32.247

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

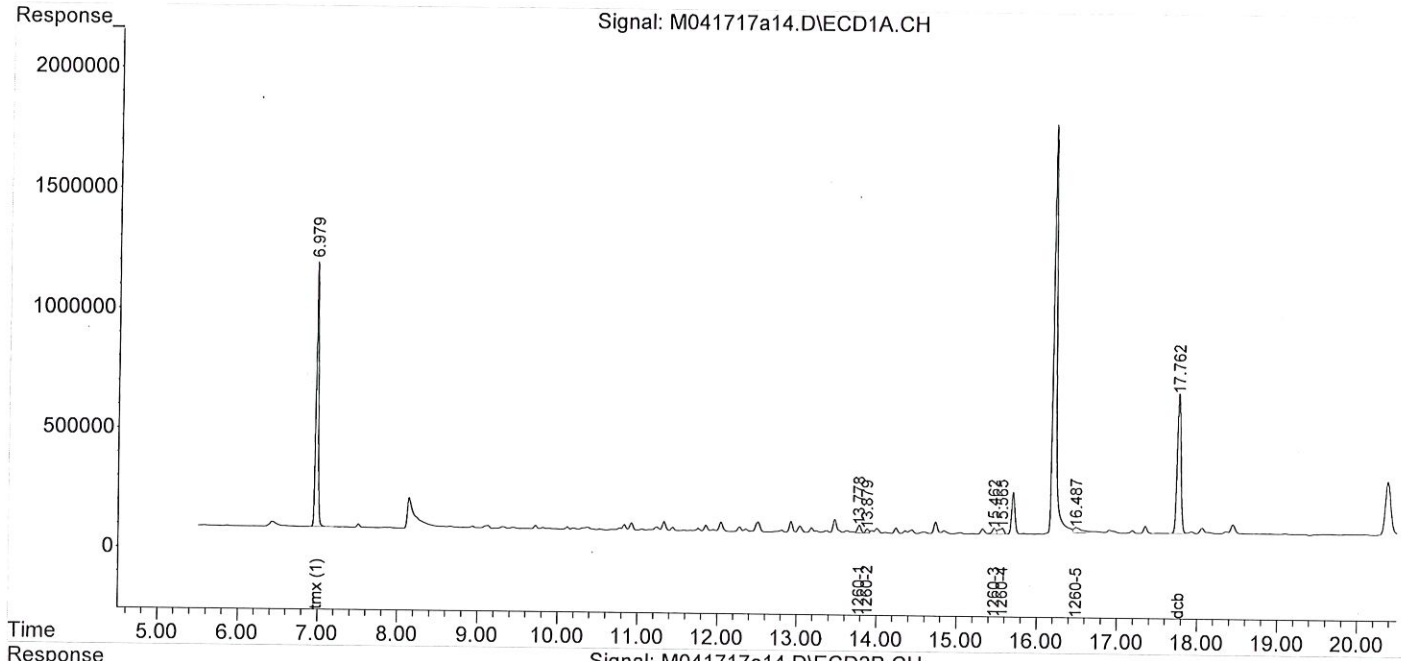
4/24/17

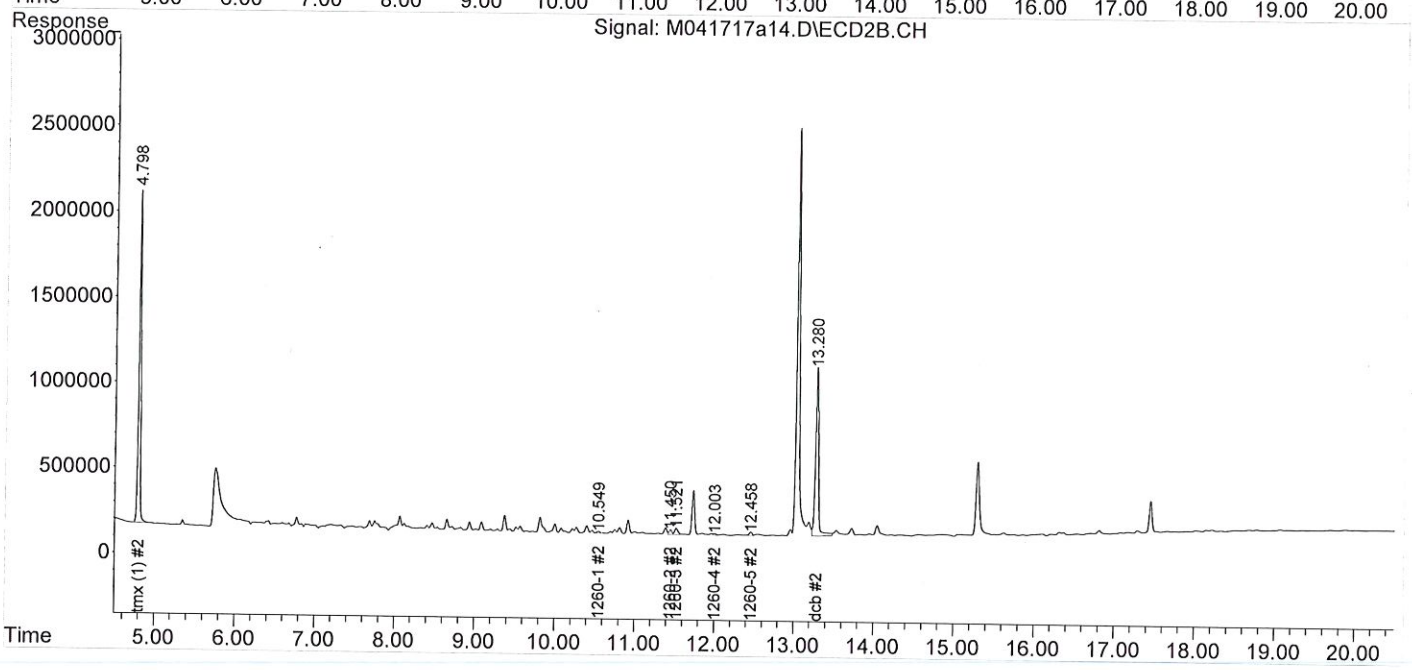
Quantitation Report (QT Reviewed)

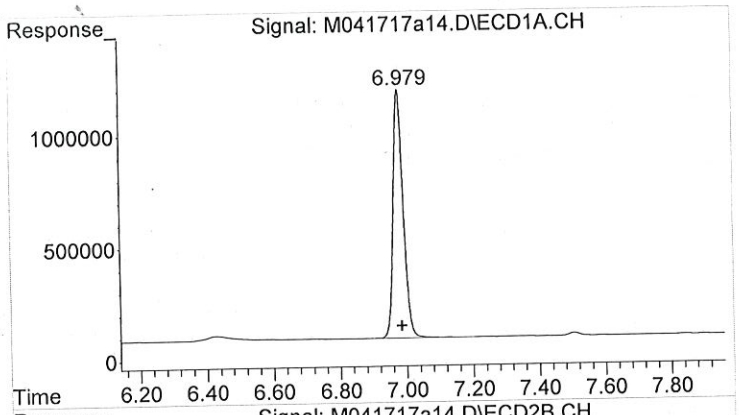
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 9:06 pm
Operator : DWOOD
Sample : 17154108
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:59:17 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

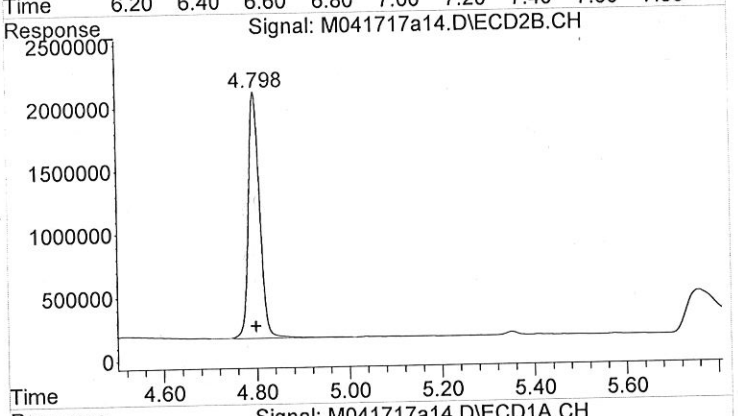






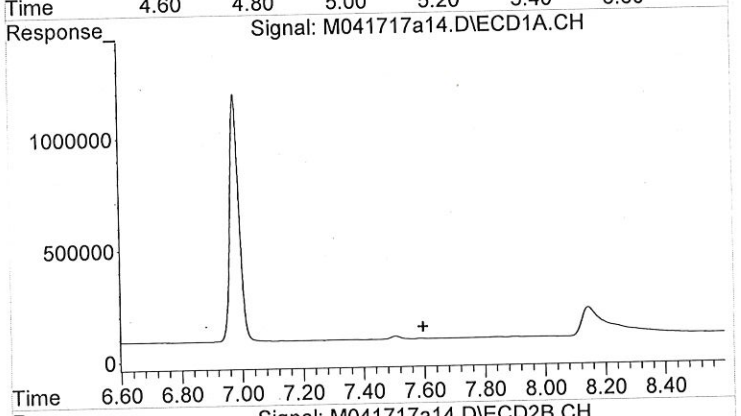
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.007 min
Response: 1103643
Conc: 41.40 pg/uL



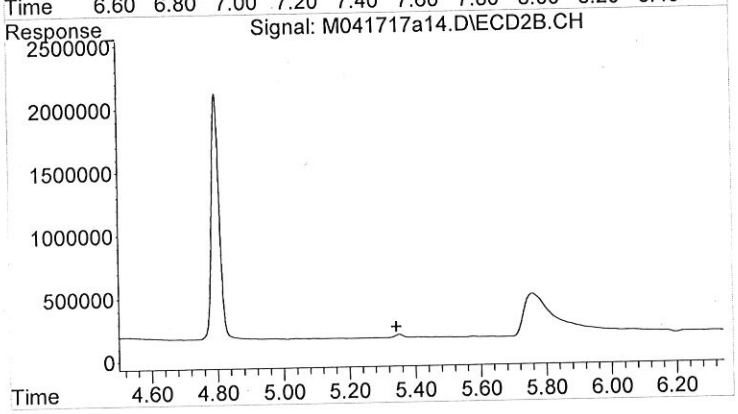
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 1943485
Conc: 46.72 pg/uL



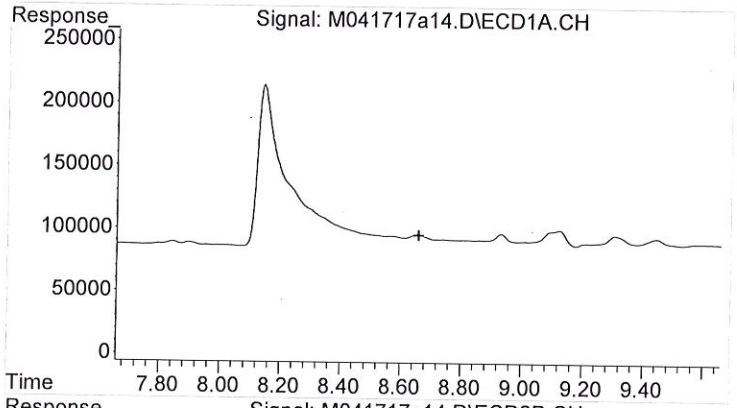
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.596 min
Response: 0
Conc: N.D.



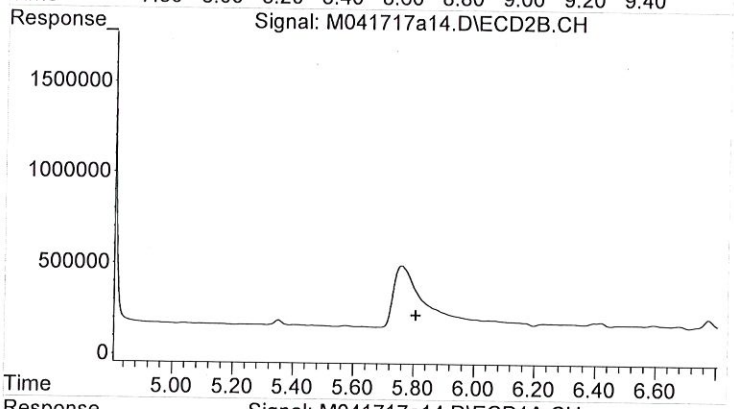
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.343 min
Response: 0
Conc: N.D.



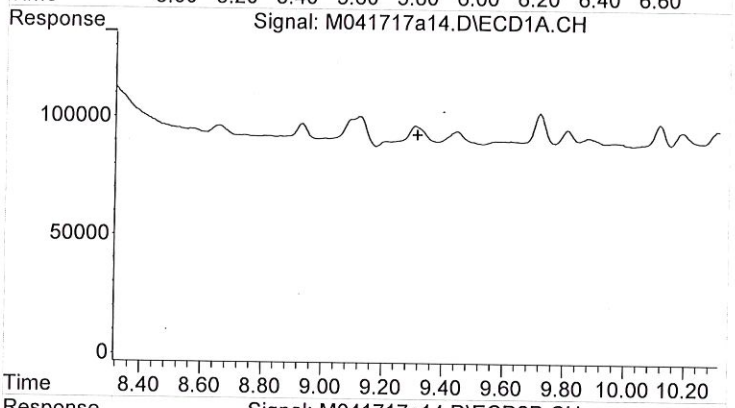
#3 1016-2

R.T.: 8.654 min
Delta R.T.: -0.005 min
Response: 4822
Conc: N.D.



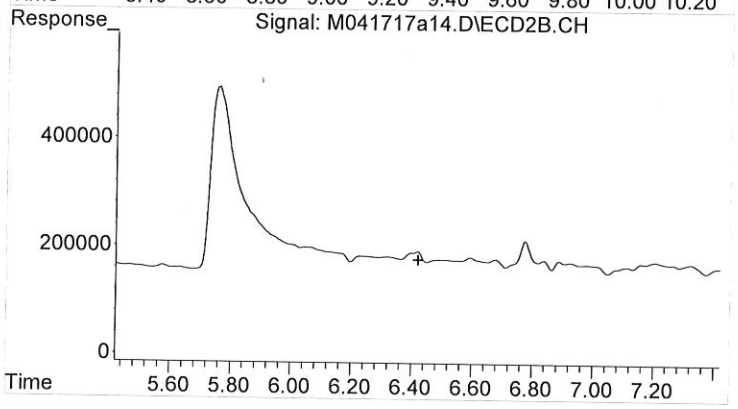
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.807 min
Response: 0
Conc: N.D.



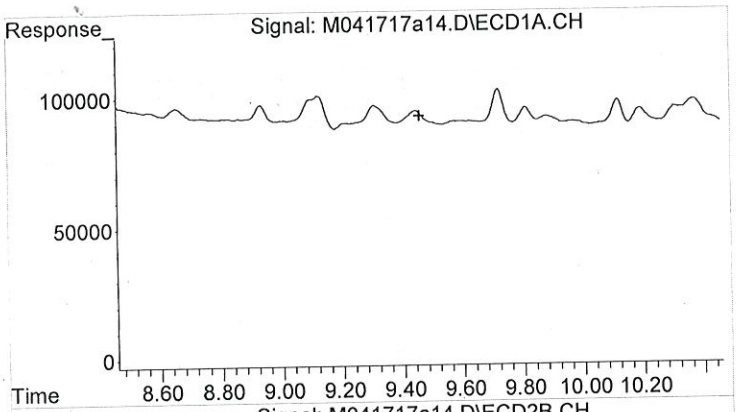
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.314 min
Response: 0
Conc: N.D.



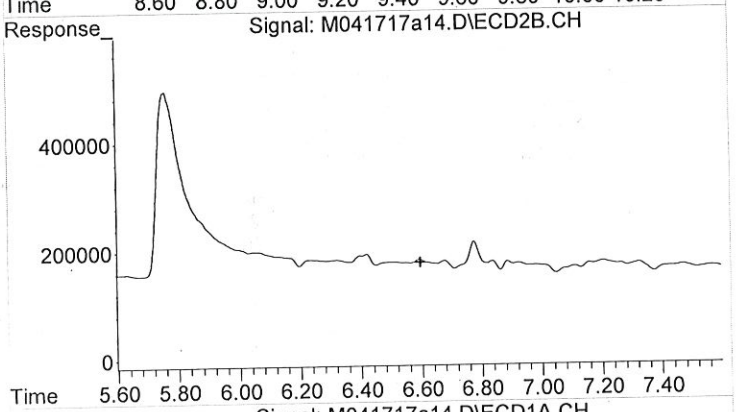
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.421 min
Response: 0
Conc: N.D.



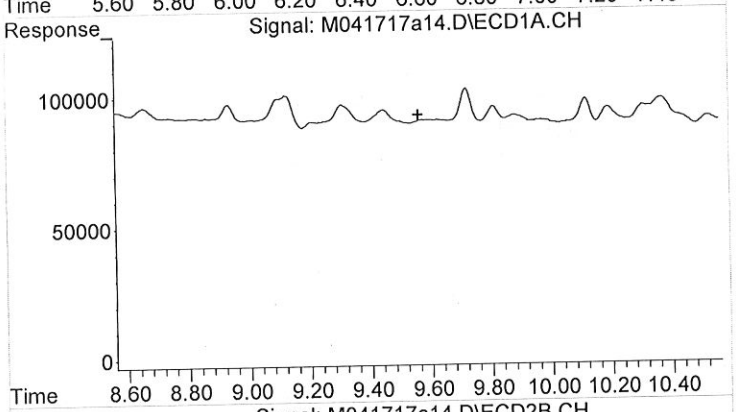
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.457 min
Response: 0
Conc: N.D.



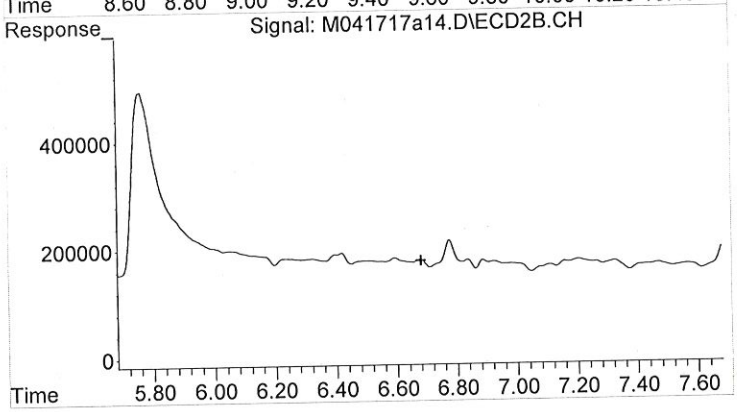
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.596 min
Response: 0
Conc: N.D.



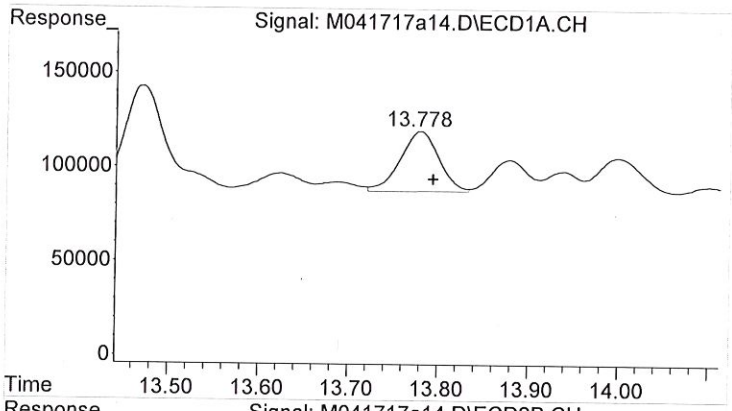
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.560 min
Response: 0
Conc: N.D.



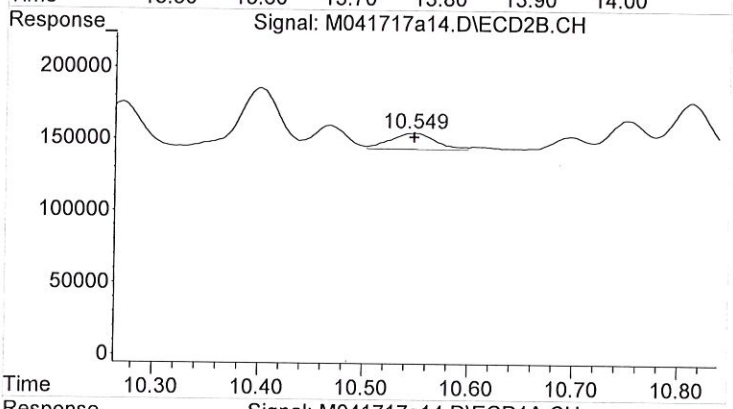
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.680 min
Response: 0
Conc: N.D.



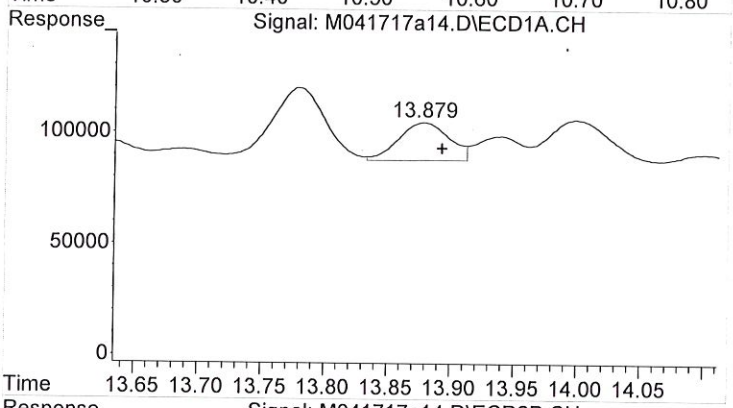
#7 1260-1

R.T.: 13.780 min
Delta R.T.: -0.014 min
Response: 32119
Conc: 21.96 pg/uL



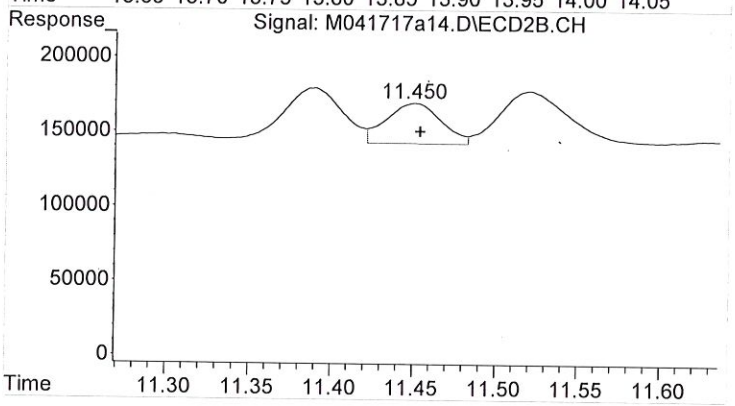
#7 1260-1

R.T.: 10.548 min
Delta R.T.: 0.000 min
Response: 11249
Conc: 29.34 pg/uL



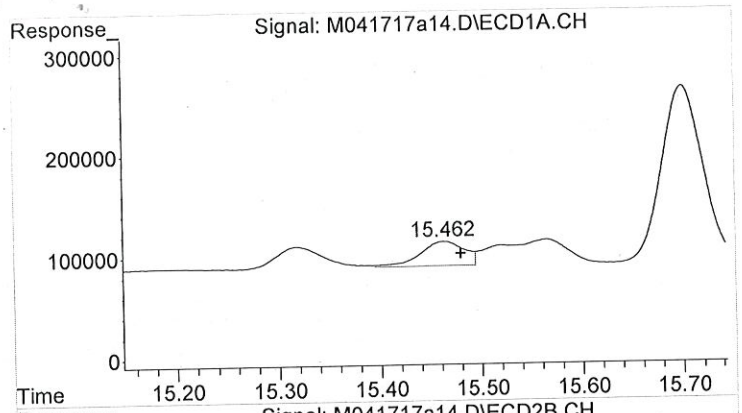
#8 1260-2

R.T.: 13.879 min
Delta R.T.: -0.014 min
Response: 16948
Conc: 15.19 pg/uL



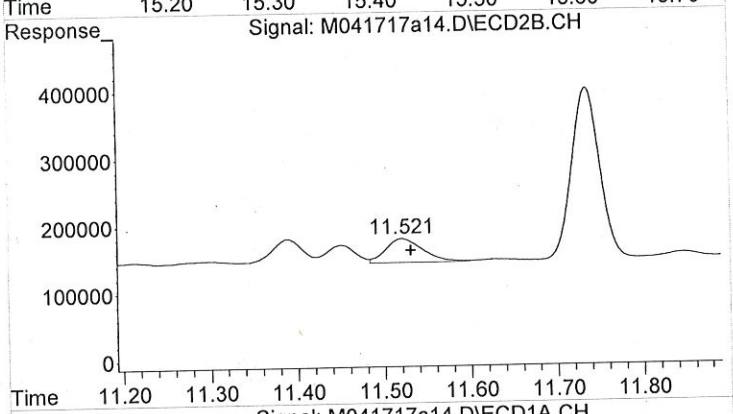
#8 1260-2

R.T.: 11.451 min
Delta R.T.: -0.003 min
Response: 27157
Conc: 30.51 pg/uL



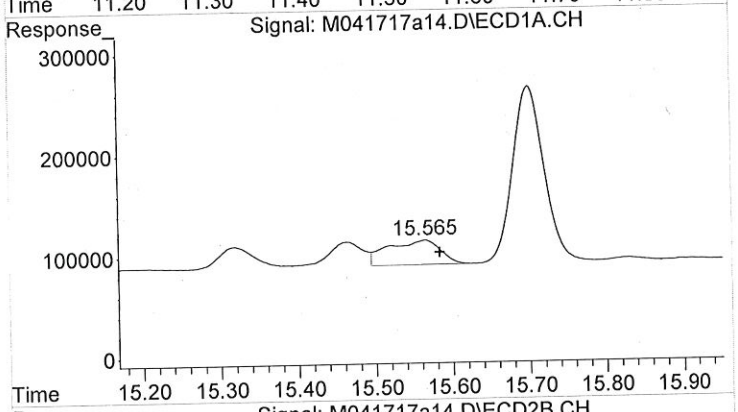
#9 1260-3

R.T.: 15.463 min
Delta R.T.: -0.017 min
Response: 23731
Conc: 35.38 pg/uL



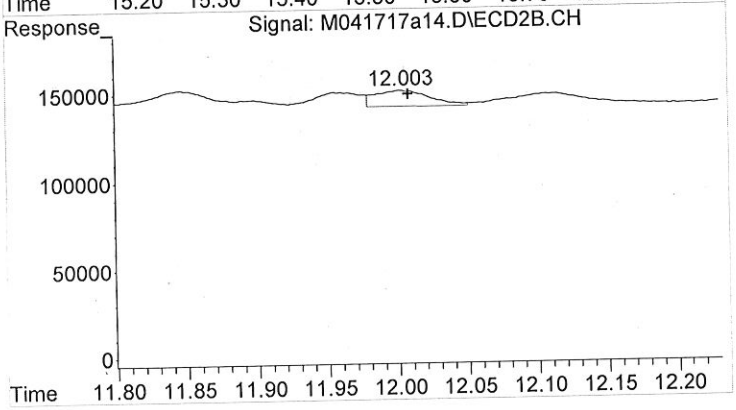
#9 1260-3

R.T.: 11.520 min
Delta R.T.: -0.011 min
Response: 35698
Conc: 51.31 pg/uL



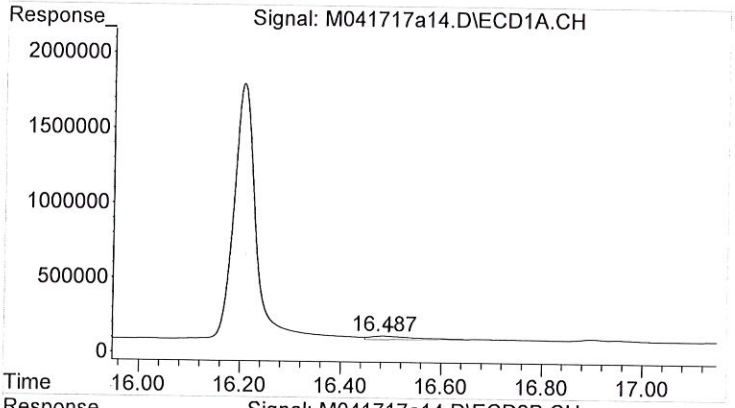
#10 1260-4

R.T.: 15.564 min
Delta R.T.: -0.020 min
Response: 24142
Conc: 31.45 pg/uL



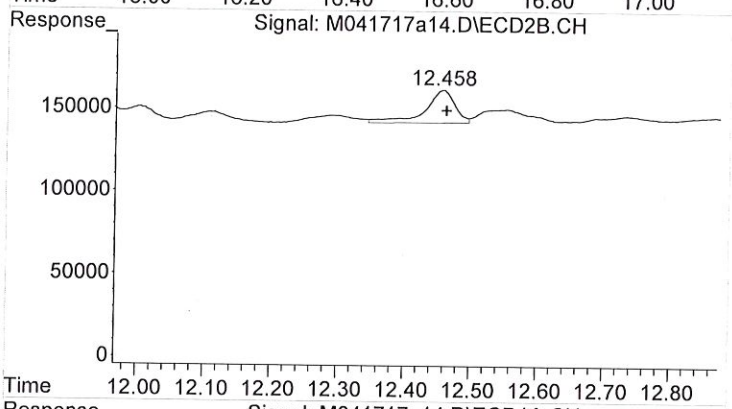
#10 1260-4

R.T.: 12.002 min
Delta R.T.: -0.006 min
Response: 8926
Conc: 25.38 pg/uL



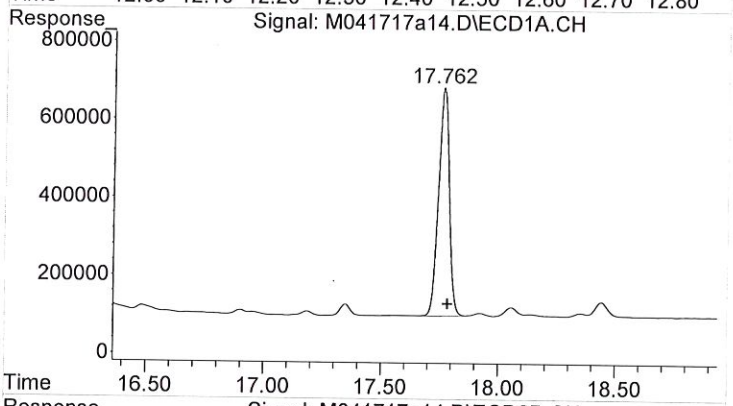
#11 1260-5

R.T.: 16.485 min
Delta R.T.: -0.012 min
Response: 23611
Conc: 30.42 pg/uL



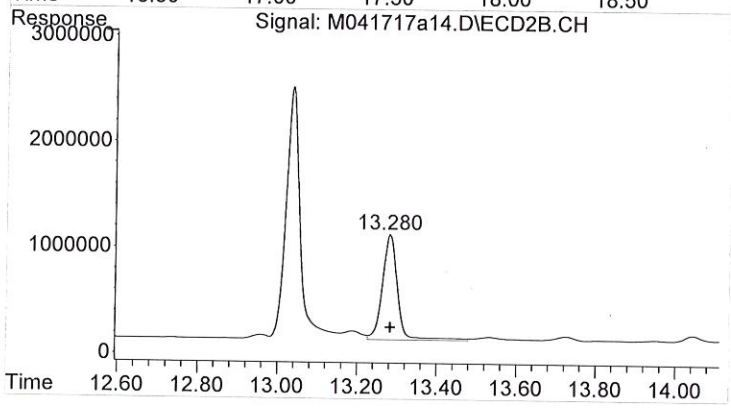
#11 1260-5

R.T.: 12.457 min
Delta R.T.: -0.006 min
Response: 19894
Conc: 24.69 pg/uL



#12 dcb

R.T.: 17.764 min
Delta R.T.: -0.021 min
Response: 583283
Conc: 38.88 pg/uL



#12 dcb

R.T.: 13.281 min
Delta R.T.: -0.003 min
Response: 983077
Conc: 41.07 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 21:06 pm
Operator : DWOOD
Sample : 17154108
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 14 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:04:22 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	1103643	1943485	41.400	46.715
12) S2 dcb	17.764	13.281	583283	983077	38.882	41.069
Target Compounds						
2) L1 1016 -1	0.000	5.351	0	~~28628~~ W	N.D.	30.356 #
3) L1 1016-2	8.654	0.000	~~4822~~ W	0	N.D.	N.D.
4) L1 1016-3	9.306	6.418	~~8379~~	~~39255~~ W	0.650	19.273 #
5) L1 1016-4	0.000	6.593	0	~~29669~~ W	N.D.	24.533 #
6) L1 1016-5	0.000	6.677	0	~~26923~~ W	N.D.	32.172 #
Sum 1016 -1			8379	124475	BelowCal	106.334
Average 1016 -1					-3.381	26.583
7) L2 1260-1	13.780	10.548	32119	11249	21.955	29.342 #
8) L2 1260-2	13.879	11.451	16948	27157	15.194	30.511 #
9) L2 1260-3	15.463	11.520	23731	35698	35.377	51.310 #
10) L2 1260-4	15.564	12.002	24142	8926	31.454	25.378
11) L2 1260-5	16.485	12.457	23611	19894	30.424	24.693
Sum 1260-1			120550	102923	134.404	161.234
Average 1260-1					26.881	32.247

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

LW
4/24/17

PCB Sample Results Summary

Sample.....: 17154100
Data File....: M041717a06.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/17/2017 17:48
Type.....: 0
Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a06.D

Date Prepped...: 4/17/2017
ICAL Date.....: 03/21/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
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	6.99	936056		50	35	70 %Rec	
12	2.5	250	dcb	17.76	17.79	542662		50	36	72 %Rec	
14	2.5	250	tmx (1) #2	4.80	4.80	1663670		50	40	80 %Rec	
25	2.5	250	dcb #2	13.28	13.28	966885		50	40	81 %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	-	-	-		-	-	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	-	-	-	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	-	-	-		-	-	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	-	-	-	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 1
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.

Generated Tue Apr 25 10:01:19 2017

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 5:48 pm
Operator : DWOOD
Sample : 17154100
Misc : Sky Valley PCB Wipe 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: Apr 24 14:53:19 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	936056	1663669	35.037	39.863
12)	S2 dcb	17.763	13.278	542662	966885	36.086	40.389
	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.	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. 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.

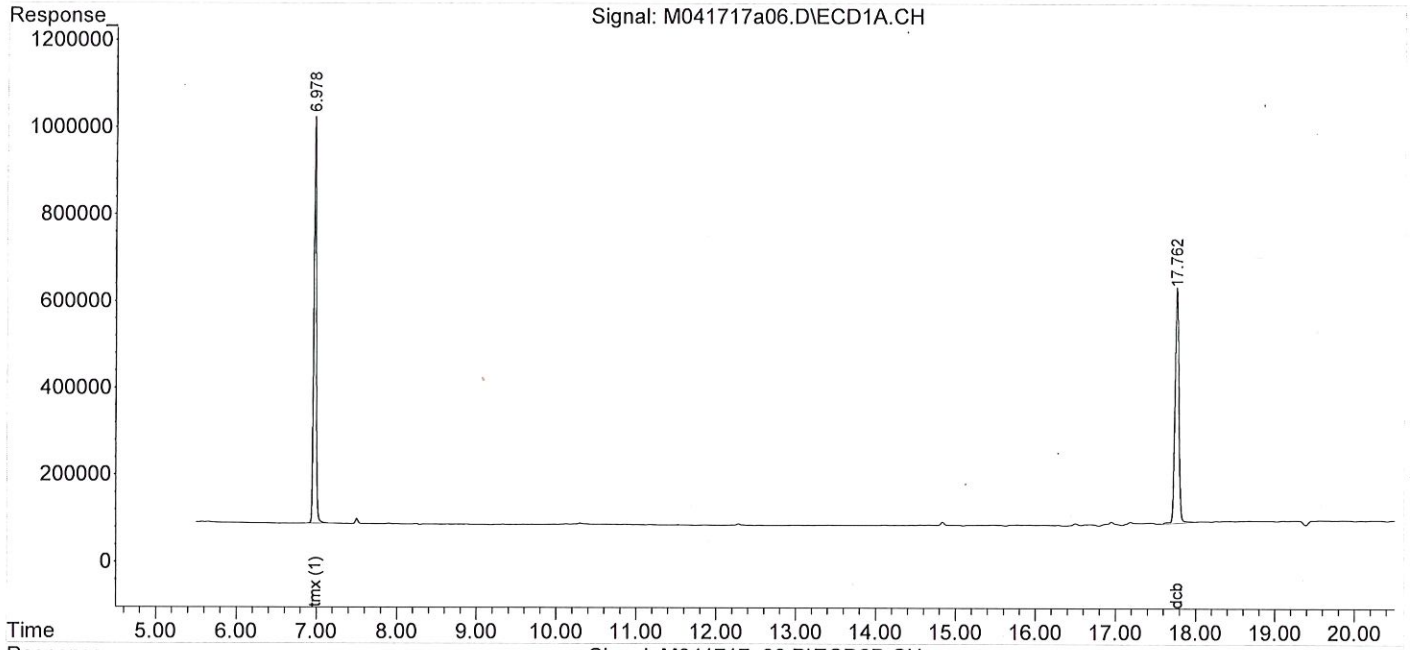
lw
4/24/17

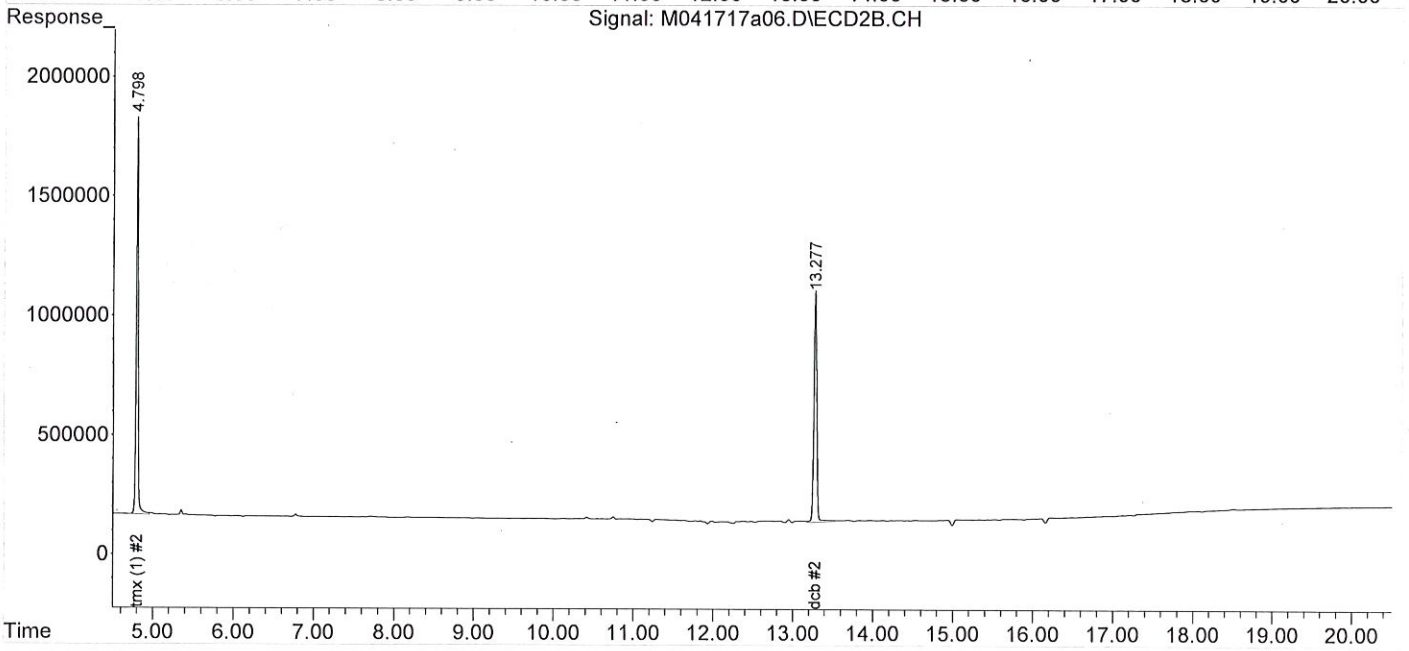
Quantitation Report (QT Reviewed)

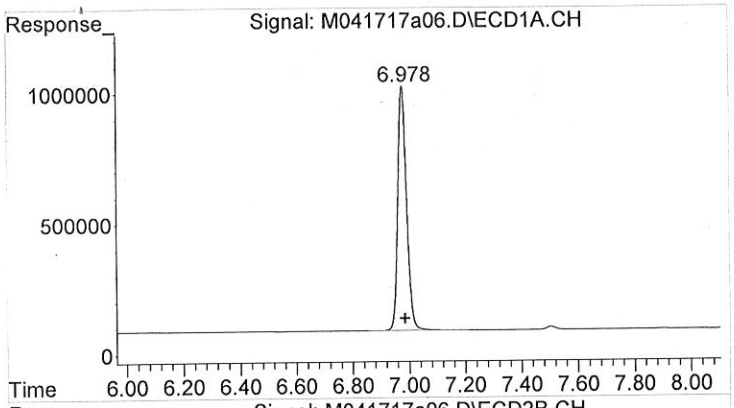
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 5:48 pm
Operator : DWOOD
Sample : 17154100
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:53:19 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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

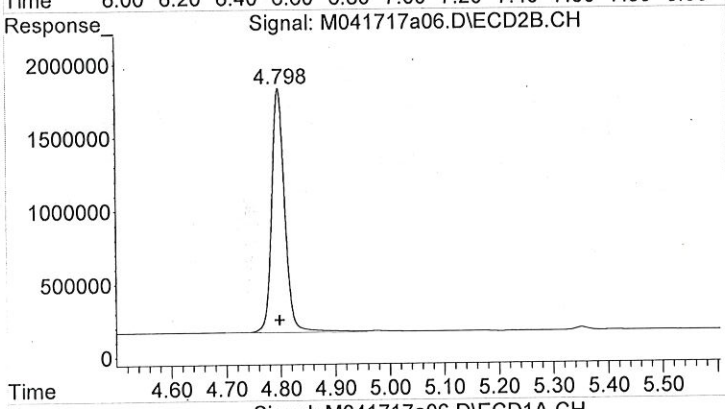






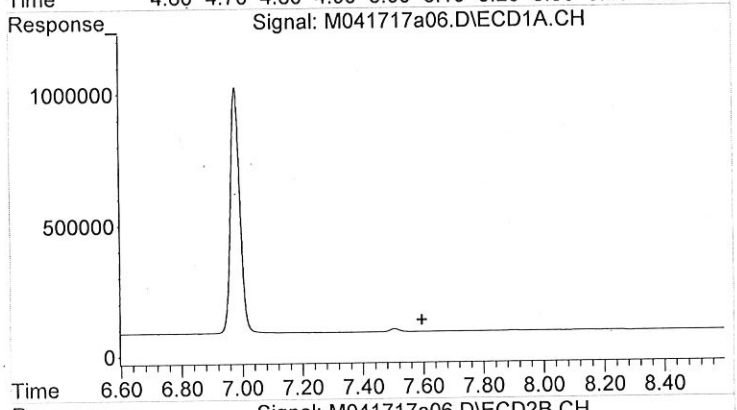
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.007 min
Response: 936056
Conc: 35.04 pg/uL



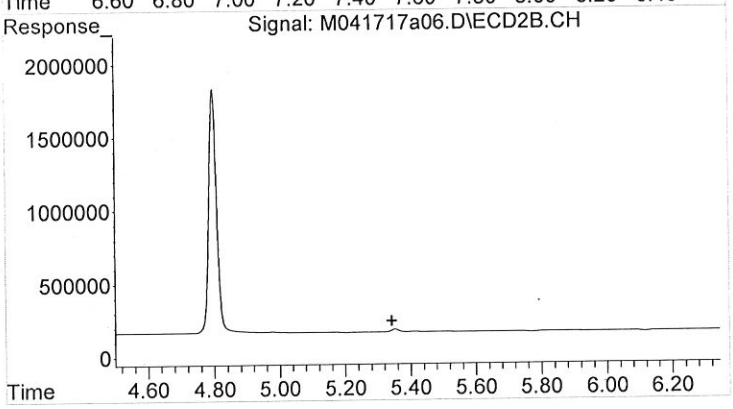
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 1663669
Conc: 39.86 pg/uL



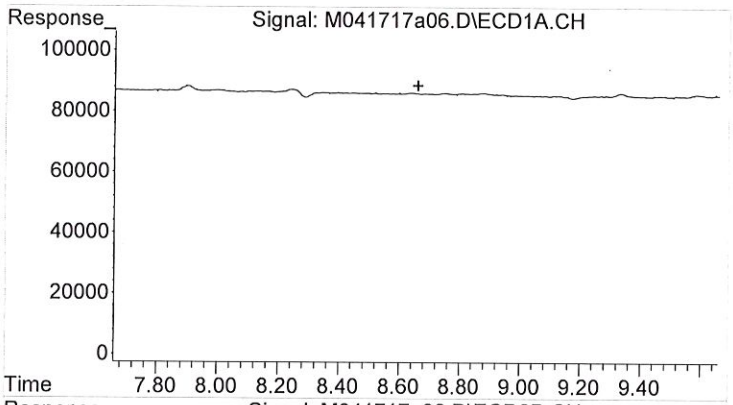
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.596 min
Response: 0
Conc: N.D.



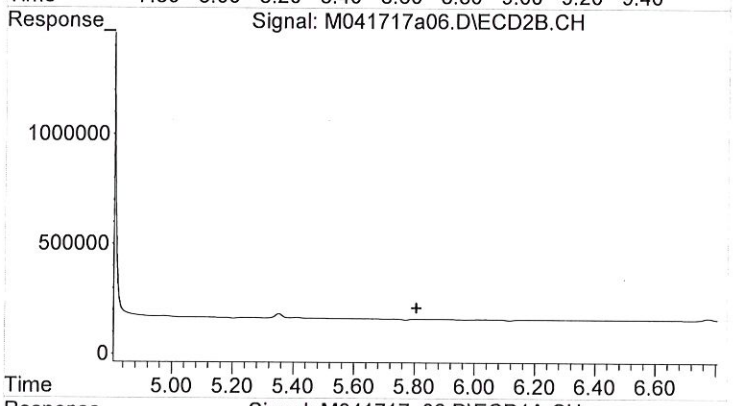
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.343 min
Response: 0
Conc: N.D.



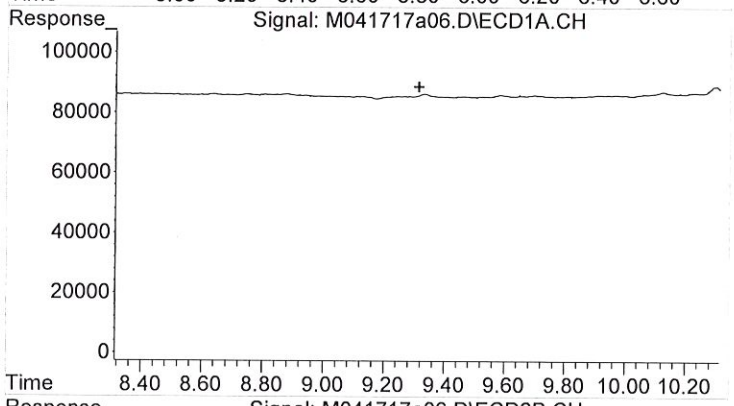
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.659 min
Response: 0
Conc: N.D.



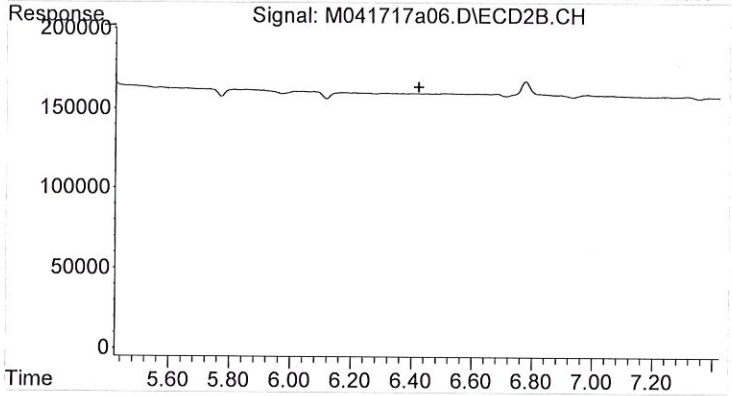
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.807 min
Response: 0
Conc: N.D.



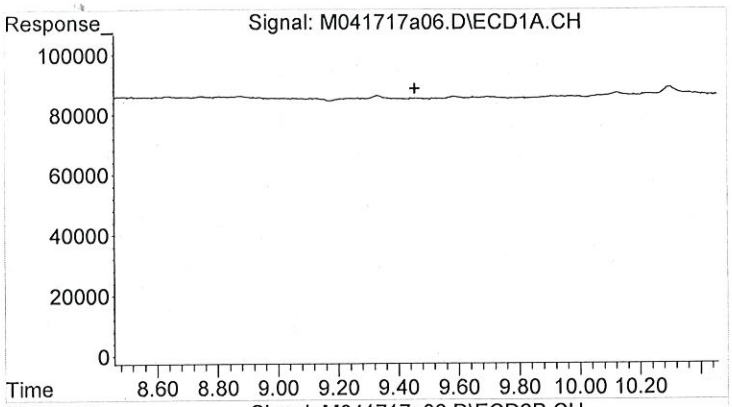
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.314 min
Response: 0
Conc: N.D.



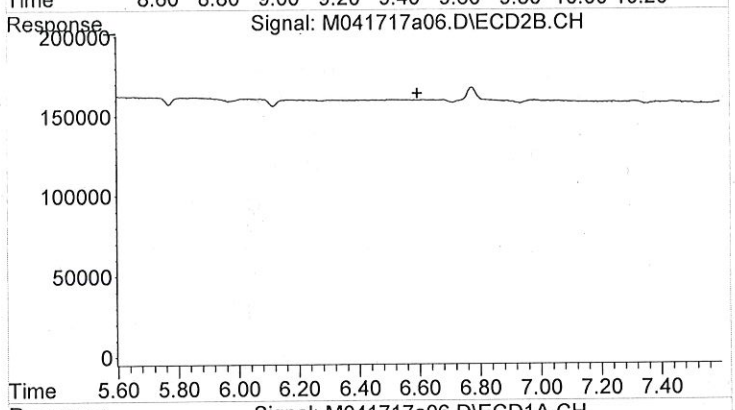
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.421 min
Response: 0
Conc: N.D.



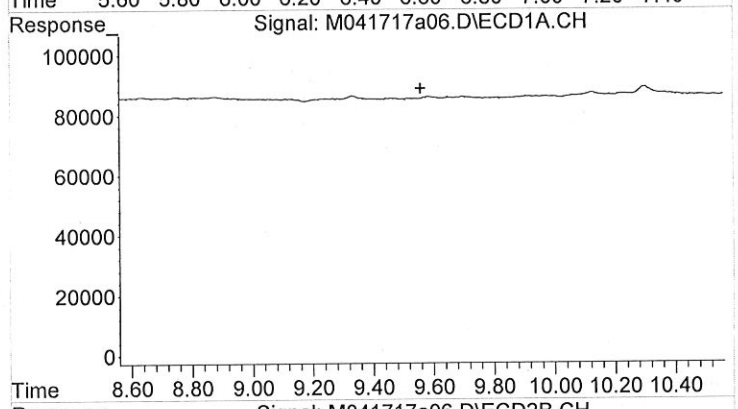
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.457 min
Response: 0
Conc: N.D.



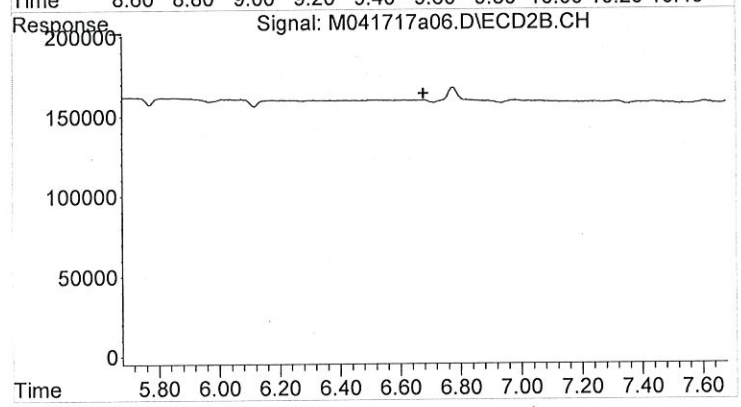
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.596 min
Response: 0
Conc: N.D.



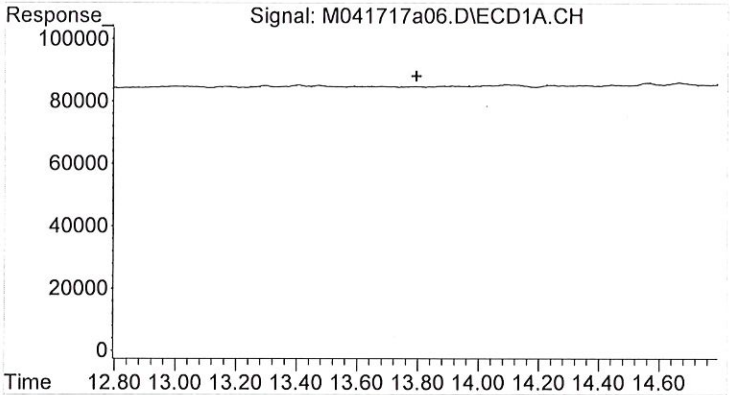
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.560 min
Response: 0
Conc: N.D.



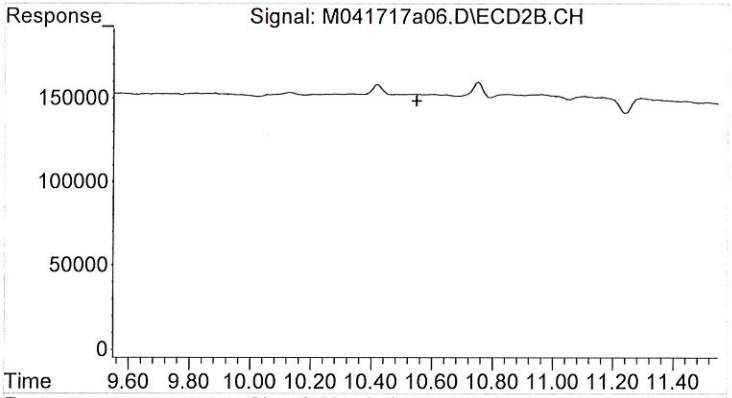
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.680 min
Response: 0
Conc: N.D.



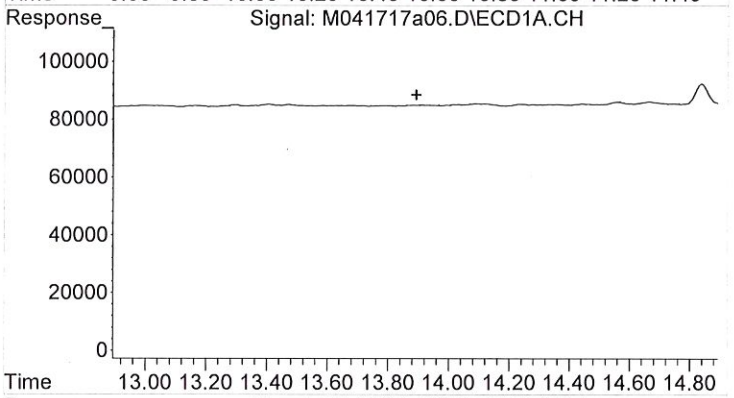
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 13.794 min
Response: 0
Conc: N.D.



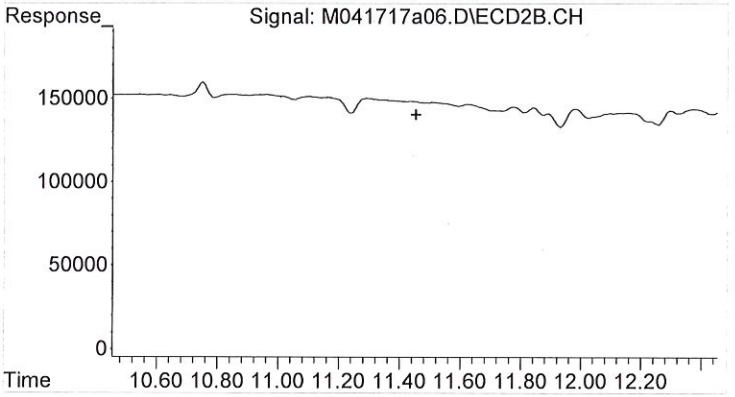
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 10.548 min
Response: 0
Conc: N.D.



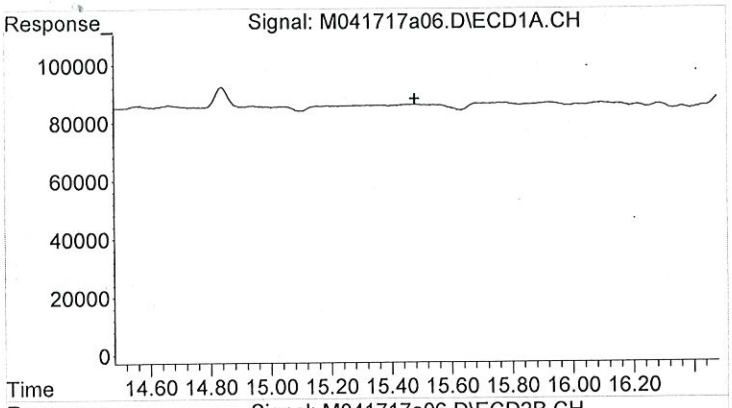
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 13.893 min
Response: 0
Conc: N.D.



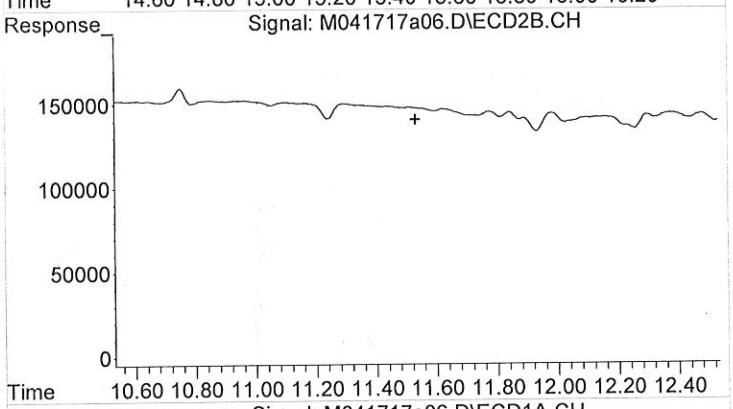
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 11.454 min
Response: 0
Conc: N.D.



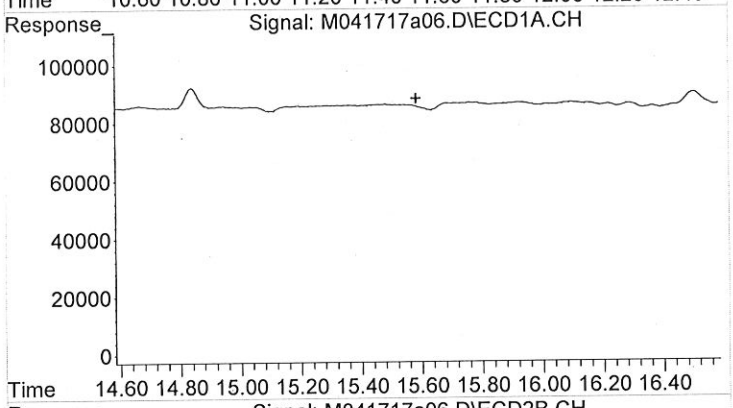
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 15.480 min
Response: 0
Conc: N.D.



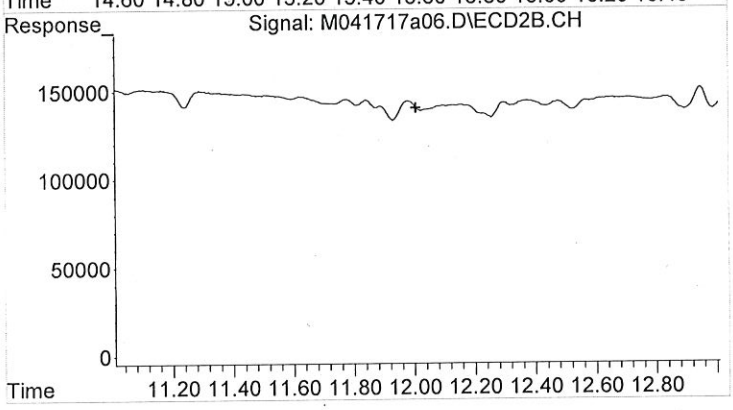
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 11.531 min
Response: 0
Conc: N.D.



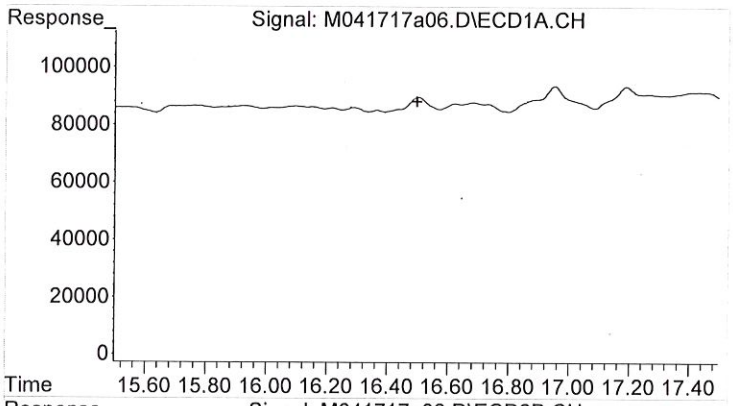
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.584 min
Response: 0
Conc: N.D.



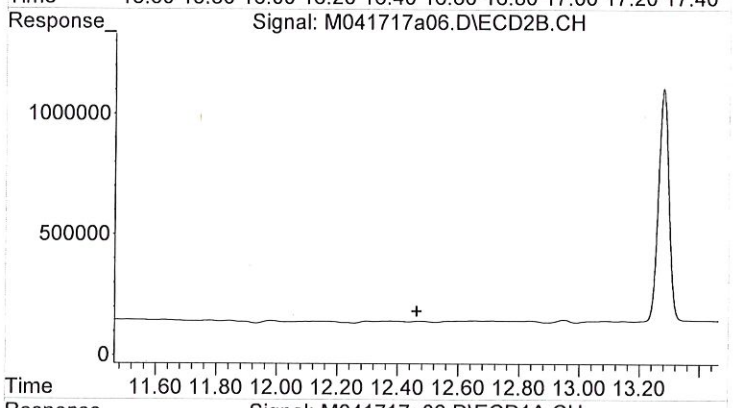
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 12.008 min
Response: 0
Conc: N.D.



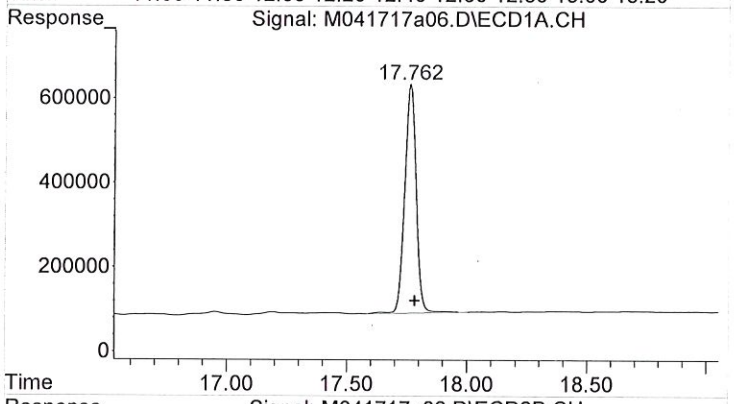
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.497 min
Response: 0
Conc: N.D.



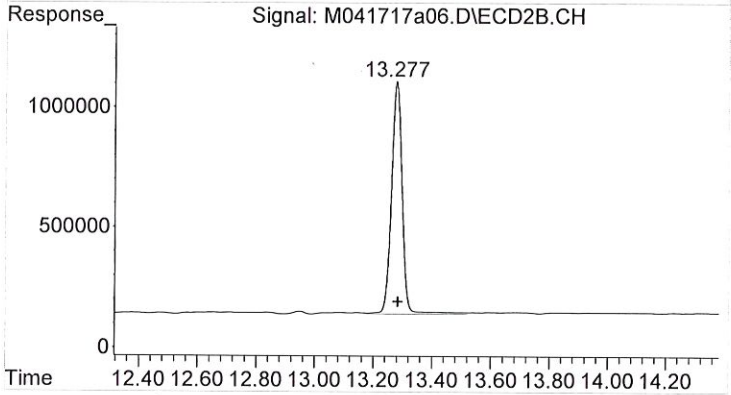
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.463 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.763 min
Delta R.T.: -0.022 min
Response: 542662
Conc: 36.09 pg/uL



#12 dcb

R.T.: 13.278 min
Delta R.T.: -0.006 min
Response: 966885
Conc: 40.39 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 17:48 pm
Operator : DWOOD
Sample : 17154100
Misc : Sky Valley PCB Wipe 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: Apr 24 14:03:16 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	936056	1663669	35.037	39.863
12) S2 dcb	17.763	13.278	542662	966885	36.086	40.389
Target Compounds						
2) L1 1016 -1	0.000	5.352	0	20247	N.D.	19.895 #
3) L1 1016-2	0.000	5.817	0	~~1369~~	N.D.	6135.792 #
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	21615	N.D.	6155.687
Average 1016 -1					0.000	3077.844
7) L2 1260-1	0.000	0.000	0	0	N.D.	N.D.
8) L2 1260-2	0.000	11.510f	0	9580	N.D.	9.411 #
9) L2 1260-3	0.000	11.510	0	9580	N.D.	13.838 #
10) L2 1260-4	0.000	11.981	0	10639	N.D.	30.132 #
11) L2 1260-5	0.000	12.477	0	7562	N.D.	9.642 #
Sum 1260-1			0	37360	N.D.	63.023
Average 1260-1					0.000	15.756

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

4/24/17

Sample.....: 17154101
Data File....: M041717a07.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/17/2017 18:13
Type.....: 0
Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a07.D

Date Prepped...: 4/17/2017
ICAL Date.....: 03/21/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 7

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	6.99	1063550		50	40	80	%Rec	
12	2.5	250	dcb	17.77	17.79	607806		50	41	81	%Rec	
14	2.5	250	tmx (1) #2	4.80	4.80	1924800		50	46	93	%Rec	
25	2.5	250	dcb #2	13.28	13.28	1142700		50	48	96	%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	-	-	-		-	-	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	-	-	-	d	-	-	0.25	ug (RL)	U
11	25	1000	1260-5	-	-	-		-	-	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	-	-	-		-	-	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	-	-	-	d	-	-	0.25	ug (RL)	U
24	25	1000	1260-5 #2	-	-	-		-	-	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 1
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 2017 DATA\M041717PCBDW\
Data File : M041717a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 6:13 pm
Operator : DWOOD
Sample : 17154101
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:53:48 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	1063553	1924797	39.878	46.257
12)	S2 dcb	17.765	13.281	607806	1142703	40.570	47.772
	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.	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.

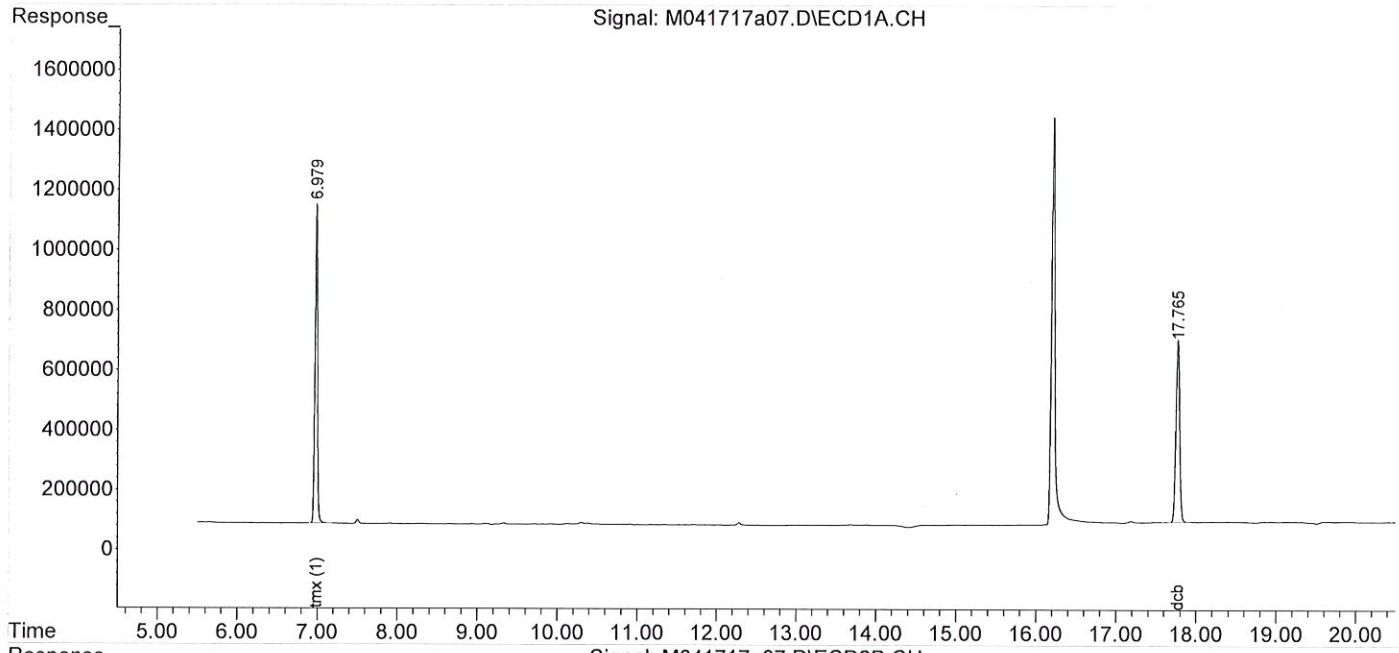
lw
4/24/17

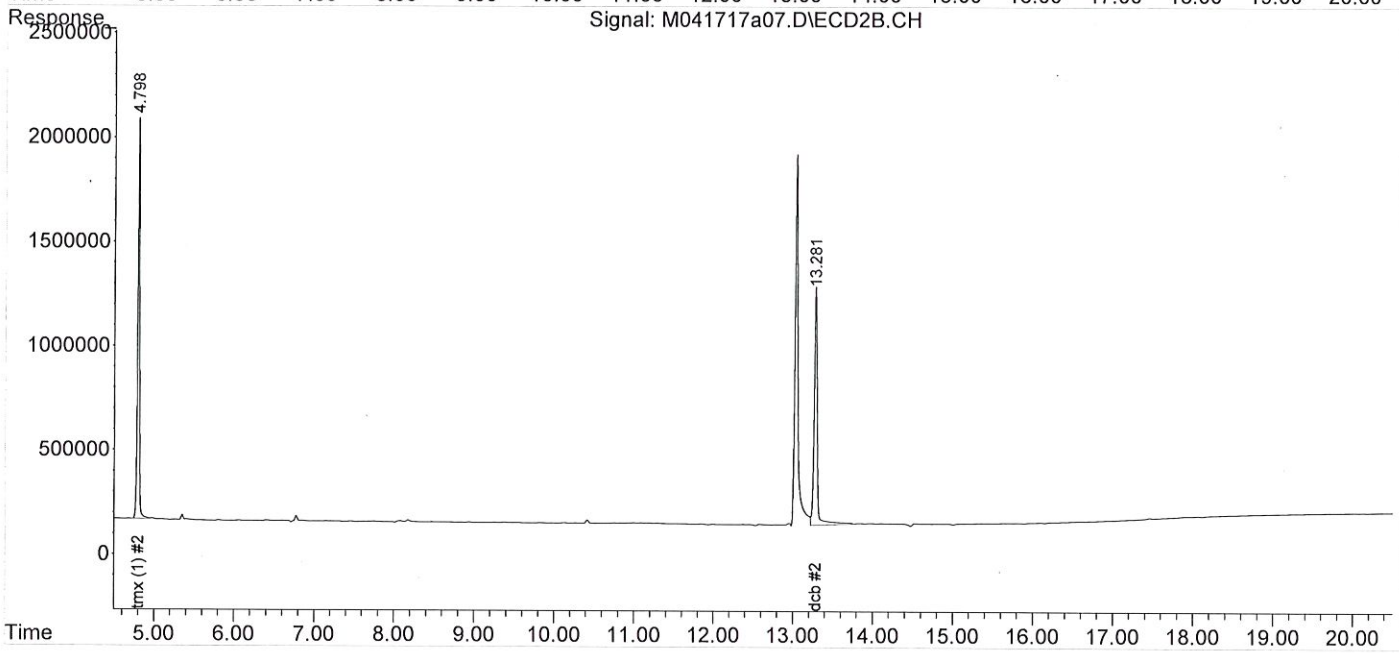
Quantitation Report (QT Reviewed)

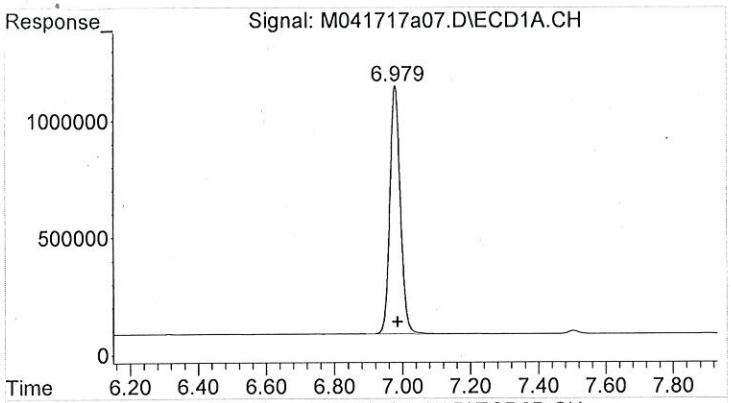
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 6:13 pm
Operator : DWOOD
Sample : 17154101
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:53:48 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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

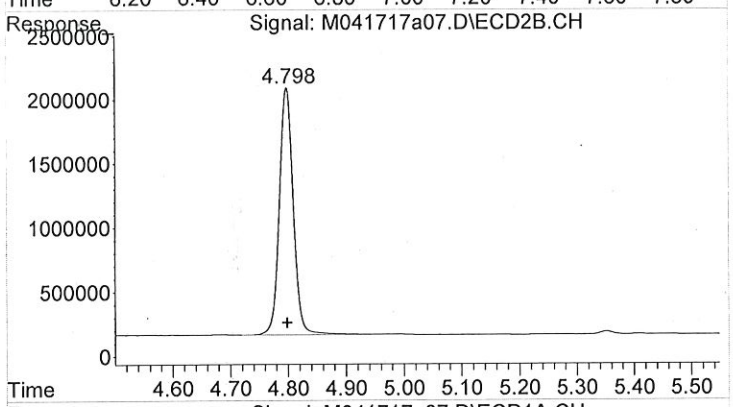






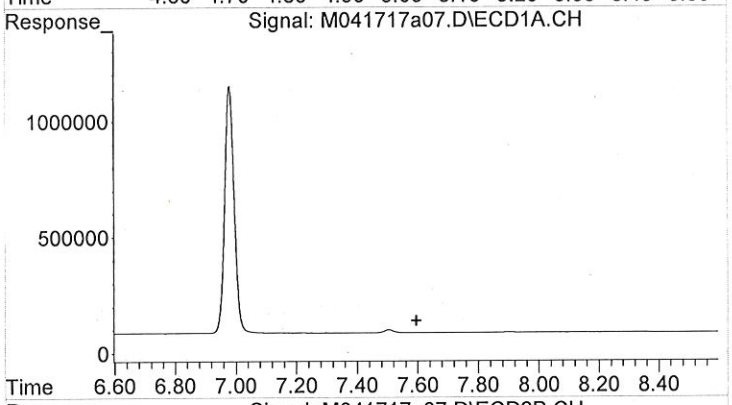
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.007 min
Response: 1063553
Conc: 39.88 pg/uL



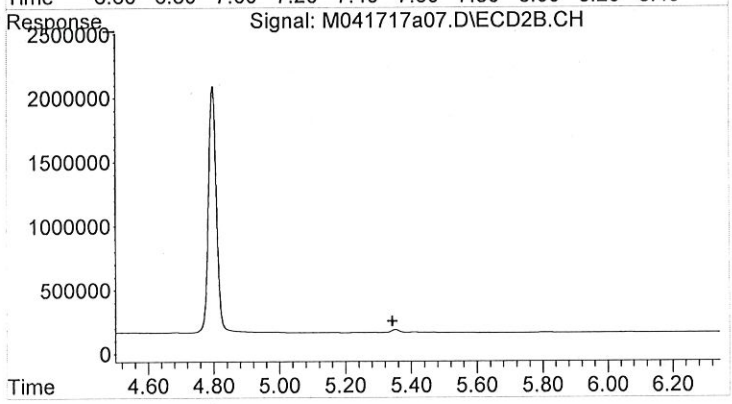
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: -0.001 min
Response: 1924797
Conc: 46.26 pg/uL



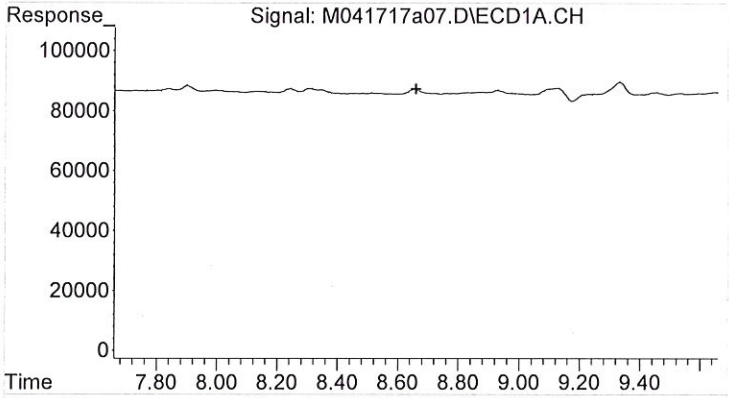
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.596 min
Response: 0
Conc: N.D.



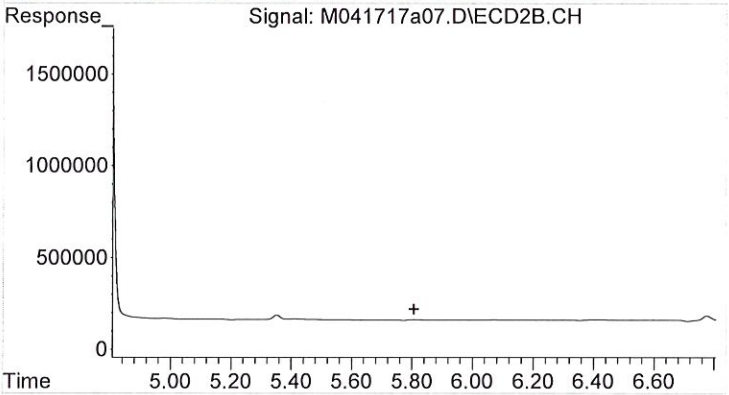
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.343 min
Response: 0
Conc: N.D.



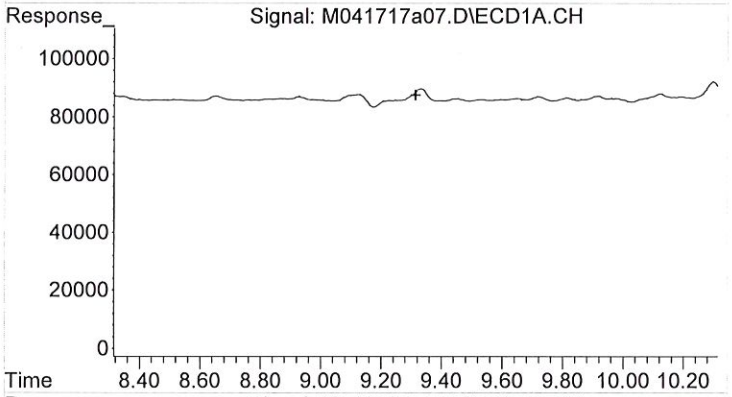
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.659 min
Response: 0
Conc: N.D.



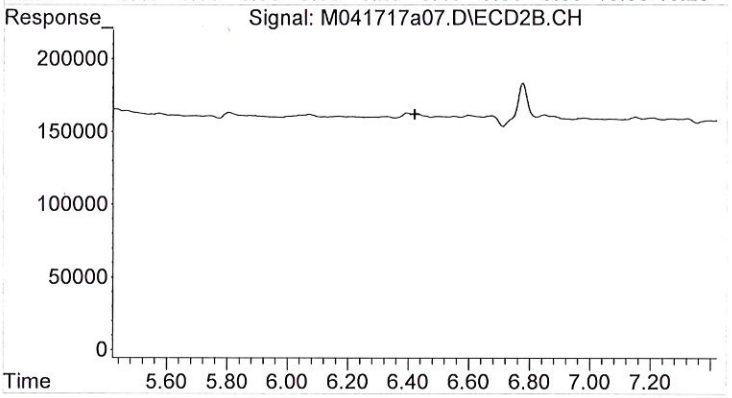
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.807 min
Response: 0
Conc: N.D.



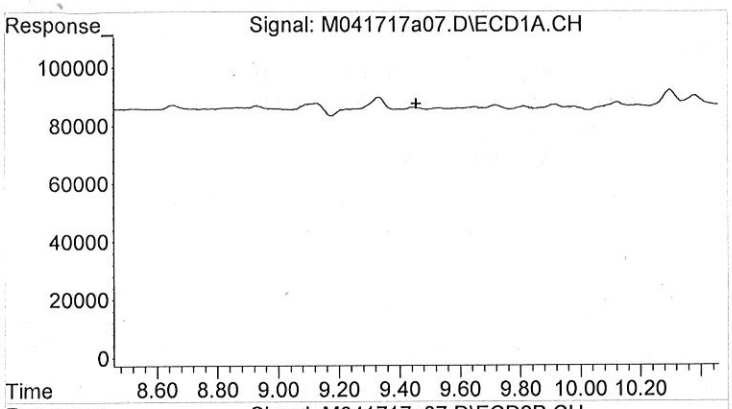
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.314 min
Response: 0
Conc: N.D.



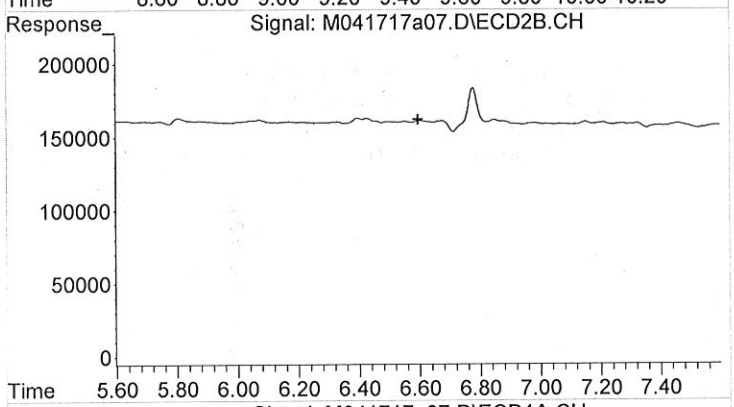
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.421 min
Response: 0
Conc: N.D.



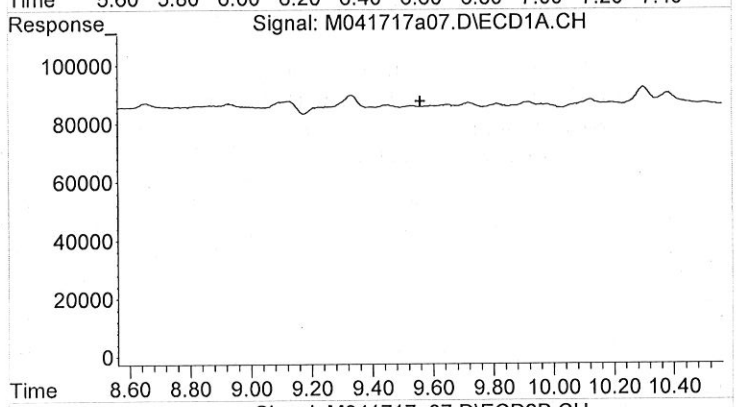
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.457 min
Response: 0
Conc: N.D.



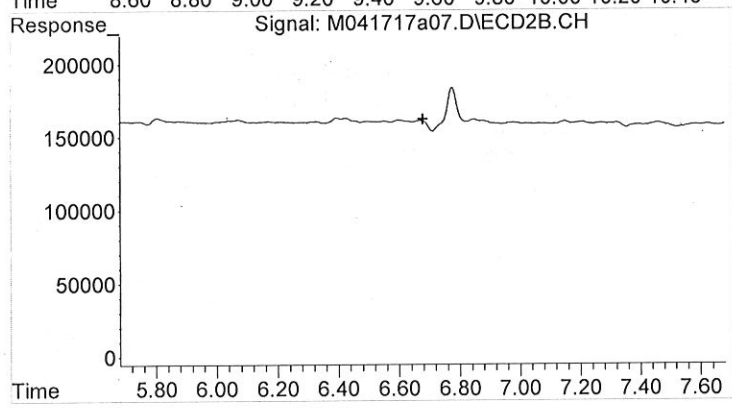
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.596 min
Response: 0
Conc: N.D.



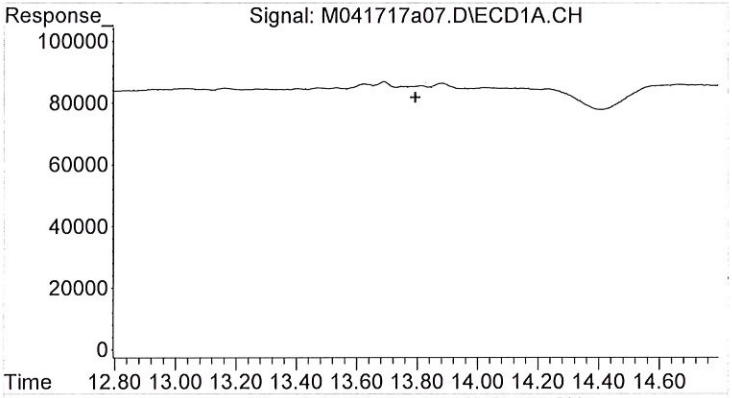
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.560 min
Response: 0
Conc: N.D.



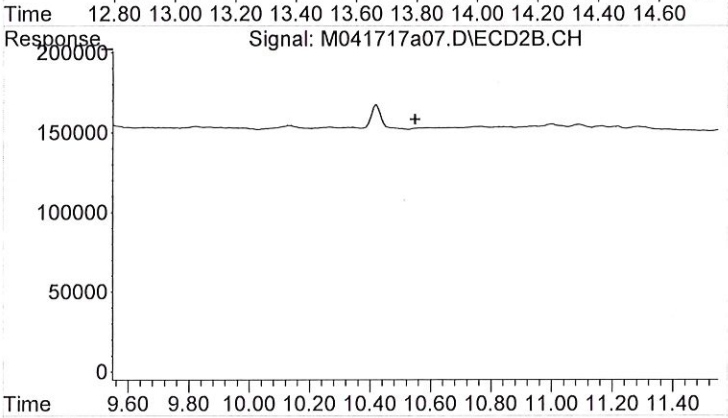
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.680 min
Response: 0
Conc: N.D.



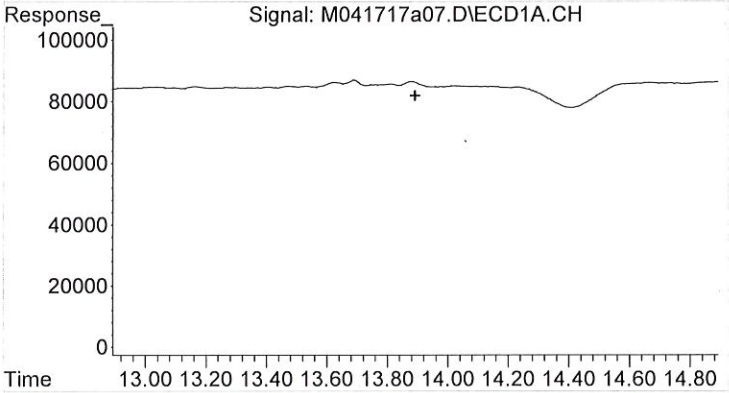
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 13.794 min
Response: 0
Conc: N.D.



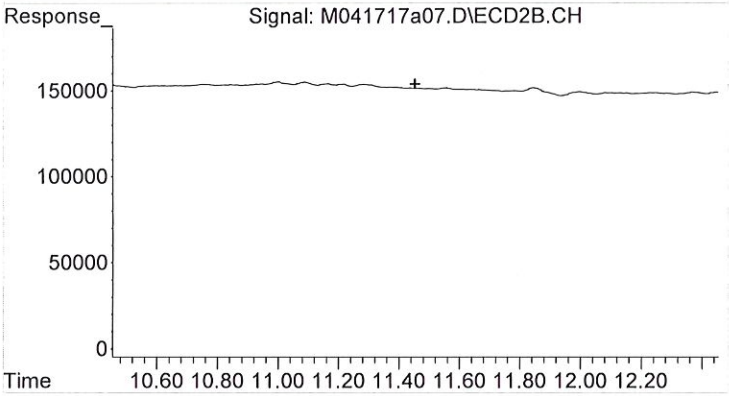
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 10.548 min
Response: 0
Conc: N.D.



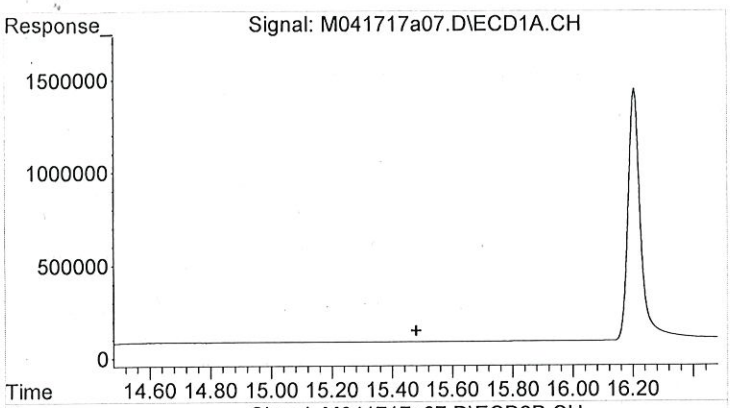
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 13.893 min
Response: 0
Conc: N.D.



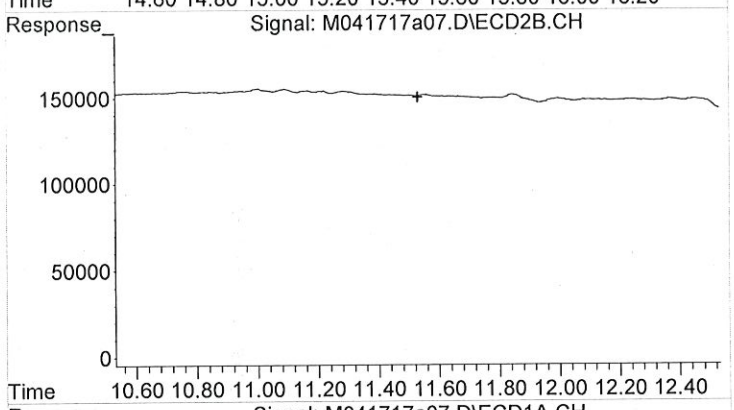
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 11.454 min
Response: 0
Conc: N.D.



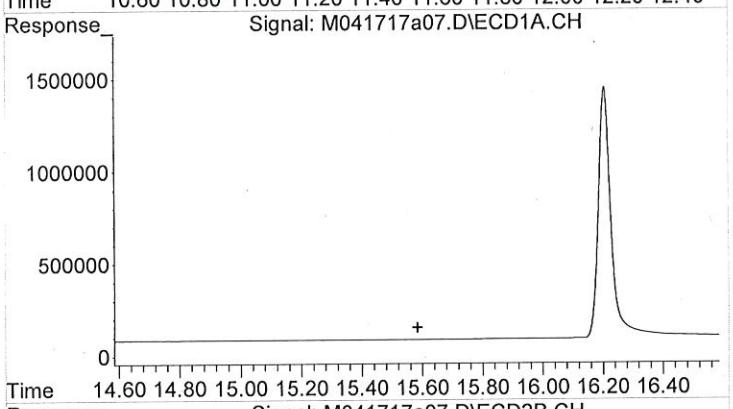
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 15.480 min
Response: 0
Conc: N.D.



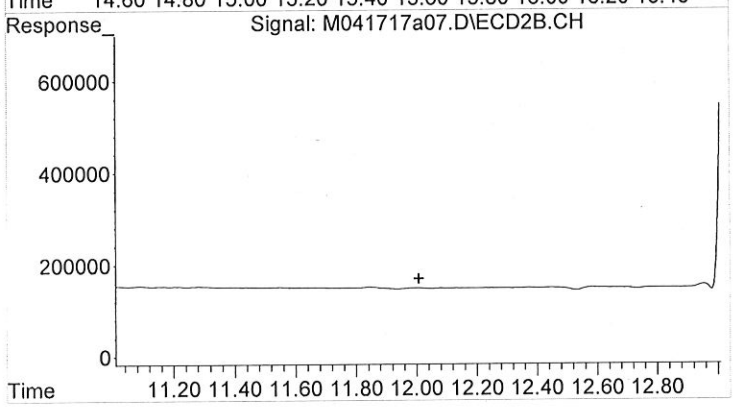
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 11.531 min
Response: 0
Conc: N.D.



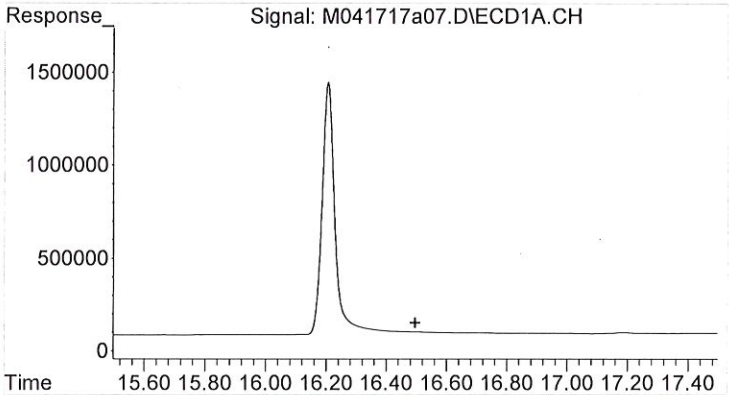
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.584 min
Response: 0
Conc: N.D.



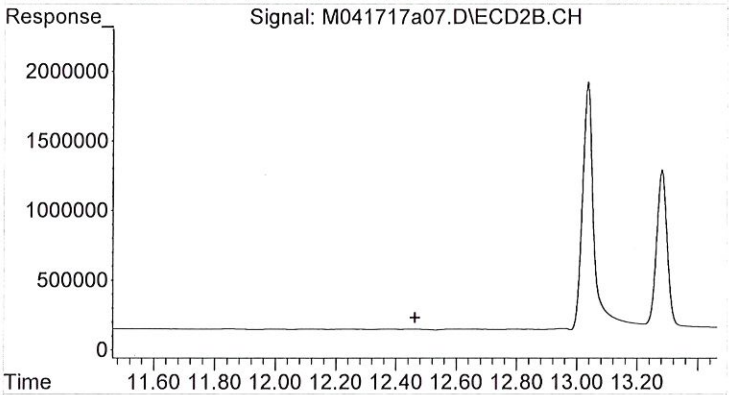
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 12.008 min
Response: 0
Conc: N.D.



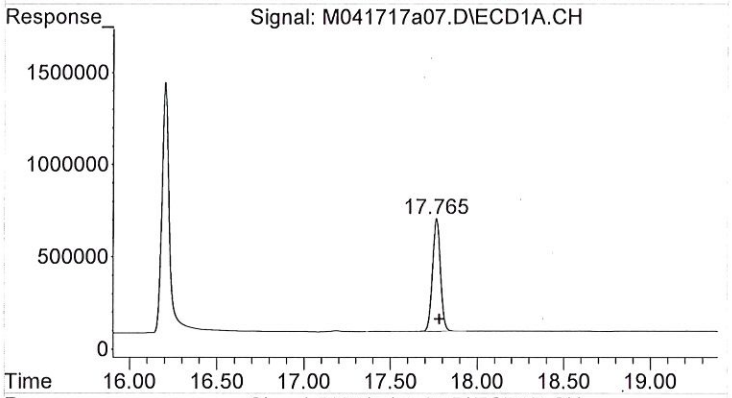
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.497 min
Response: 0
Conc: N.D.



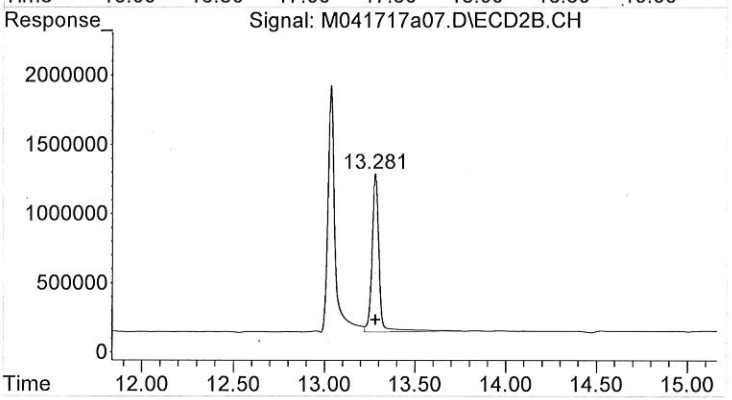
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.463 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.765 min
Delta R.T.: -0.020 min
Response: 607806
Conc: 40.57 pg/uL



#12 dcb

R.T.: 13.281 min
Delta R.T.: -0.003 min
Response: 1142703
Conc: 47.77 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 18:13 pm
Operator : DWOOD
Sample : 17154101
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 7 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:03:24 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	1063553	1924797	39.878	46.257
12) S2 dcb	17.765	13.281	607806	1142703	40.570	47.772
Target Compounds						
2) L1 1016 -1	0.000	5.352	0	~~23943~~	N.D.	24.509 #
3) L1 1016-2	0.000	5.805	0	~~4052~~	N.D.	6133.927 #
4) L1 1016-3	9.331	6.424	4973	~~5285~~	N.D.	1.760 #
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	33280	N.D.	6160.196
Average 1016 -1					0.000	2053.399
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	11.996	0	~~2868~~	N.D.	8.566 #
11) L2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	2868	N.D.	8.566
Average 1260-1					0.000	8.566

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

4/24/17

PCB Sample Results Summary

Sample.....: 17154102
Data File....: M041717a08.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/17/2017 18:38
Type.....: 0

Date Prepped...: 4/17/2017
ICAL Date.....: 03/21/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 8

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

Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a08.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	6.99	1071530		50	40	80 %Rec	
12	2.5	250	dcb	17.76	17.79	615234		50	41	82 %Rec	
14	2.5	250	tmx (1) #2	4.80	4.80	1925440		50	46	93 %Rec	
25	2.5	250	dcb #2	13.28	13.28	1105500		50	46	92 %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	-	-	-	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	-	-	-		-	-	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	-	-	-	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 1
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.

Generated Tue Apr 25 10:01:27 2017

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 6:38 pm
Operator : DWOOD
Sample : 17154102
Misc : Sky Valley PCB Wipe 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: Apr 24 14:54:13 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 uL
Signal #1 Phase : CLPest
Signal #1 Info : .32
Signal #2 Phase: CLPest2
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	4.798	1071525	1925441	40.181	46.273
12) S2 dcb	17.764	13.279	615234	1105500	41.081	46.210
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. 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.

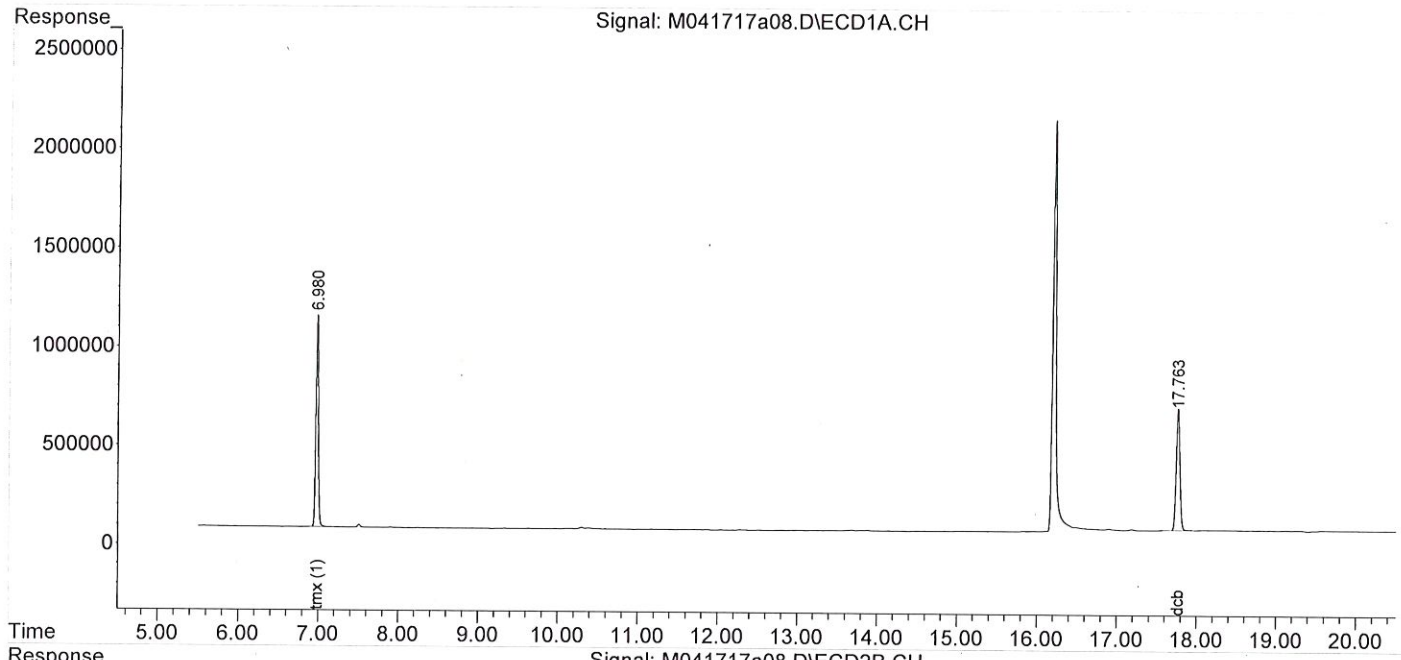
MW
4/24/17

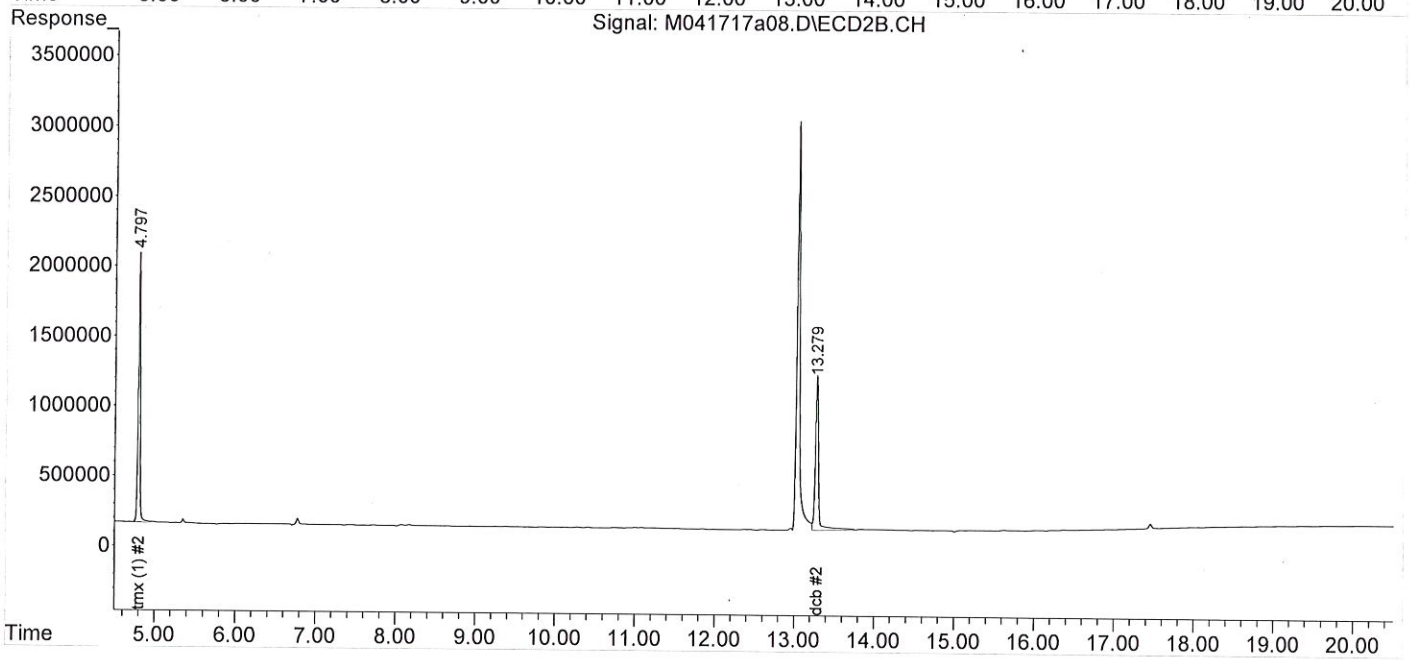
Quantitation Report (QT Reviewed)

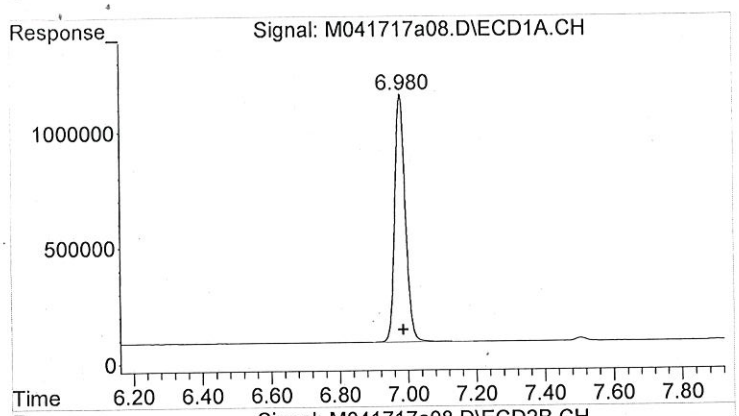
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 6:38 pm
Operator : DWOOD
Sample : 17154102
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 8 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:54:13 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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

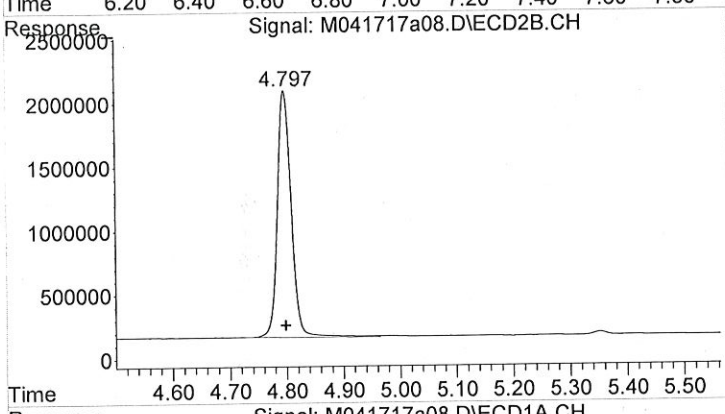






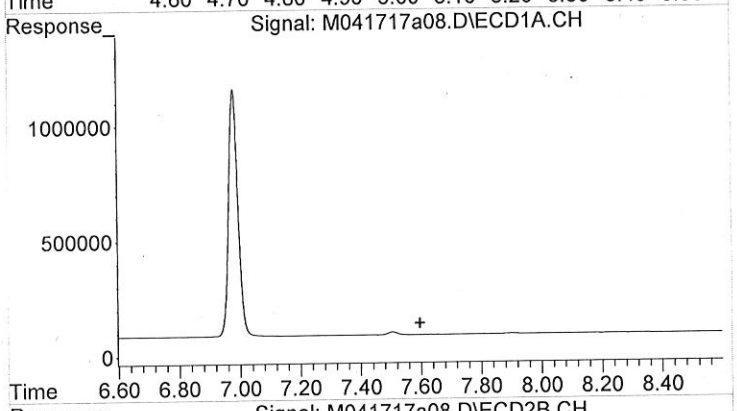
#1 tmx (1)

R.T.: 6.980 min
Delta R.T.: -0.006 min
Response: 1071525
Conc: 40.18 pg/uL



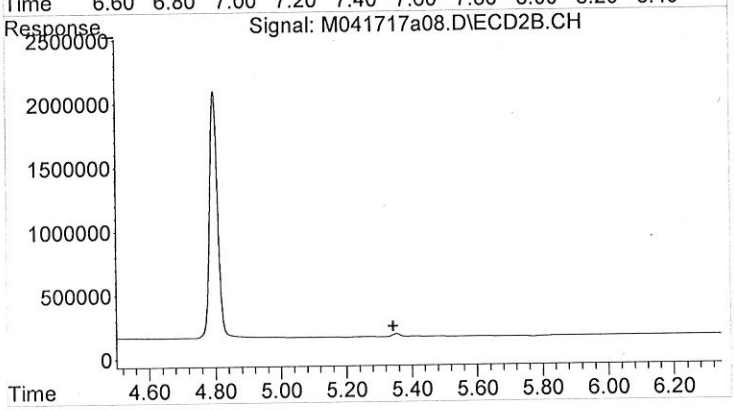
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 1925441
Conc: 46.27 pg/uL



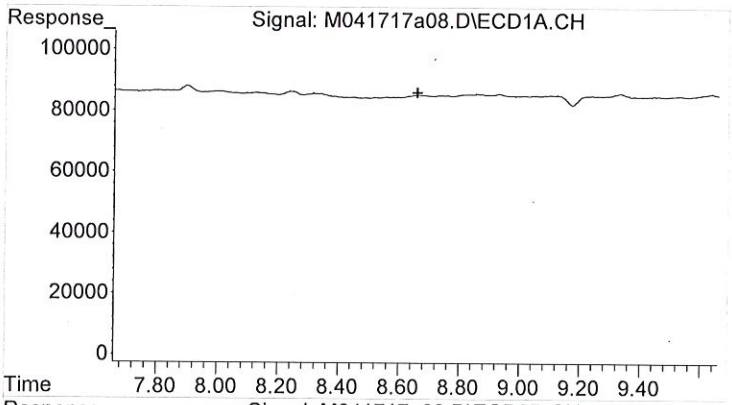
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.596 min
Response: 0
Conc: N.D.



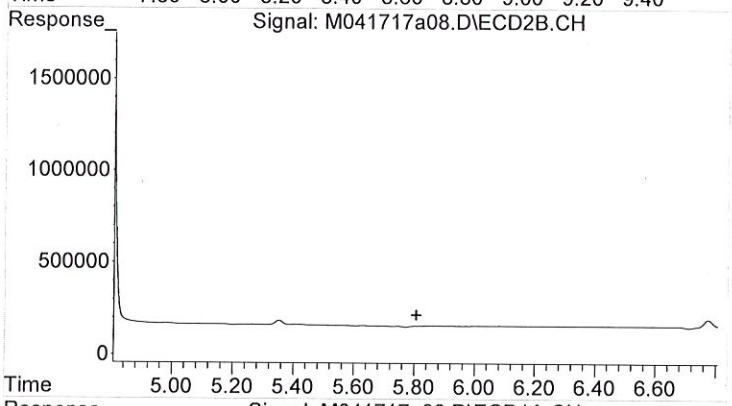
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.343 min
Response: 0
Conc: N.D.



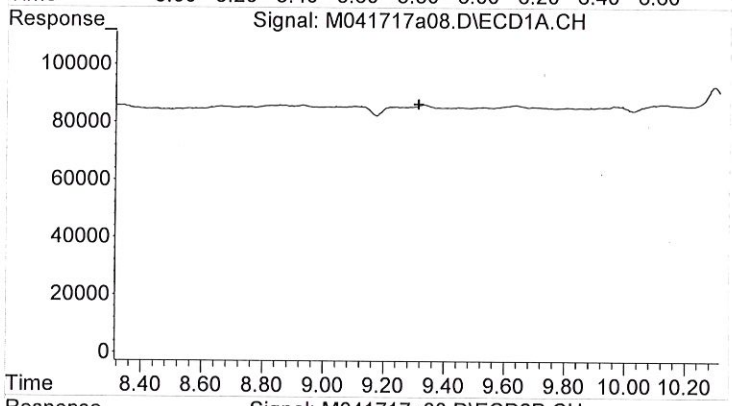
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.659 min
Response: 0
Conc: N.D.



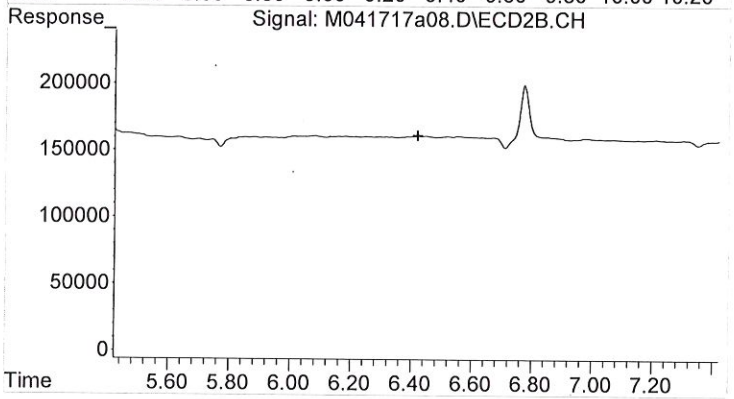
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.807 min
Response: 0
Conc: N.D.



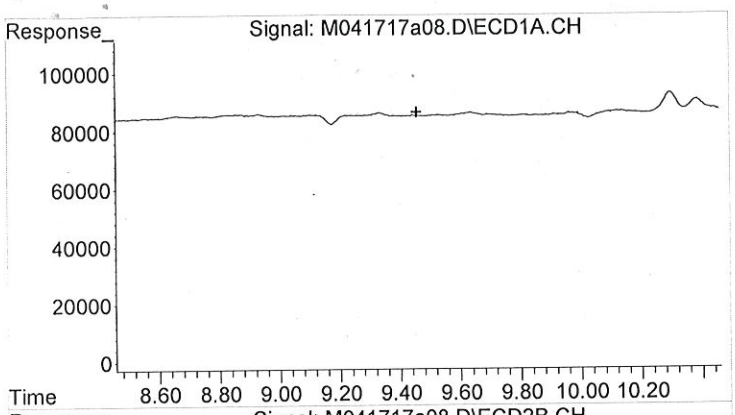
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.314 min
Response: 0
Conc: N.D.



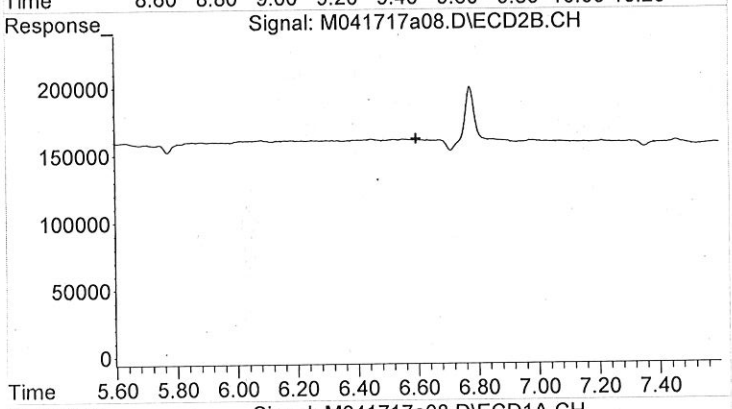
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.421 min
Response: 0
Conc: N.D.



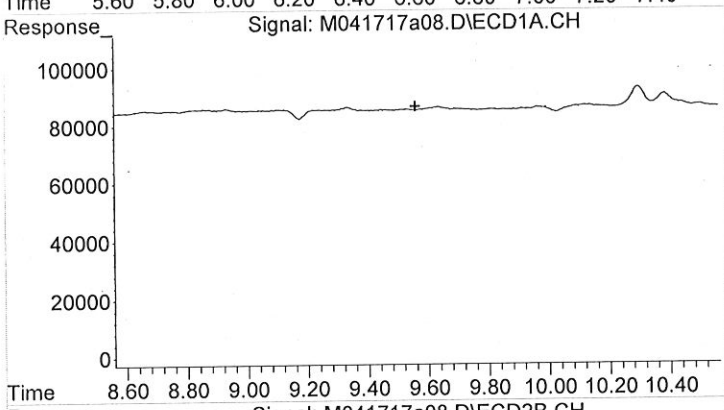
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.457 min
Response: 0
Conc: N.D.



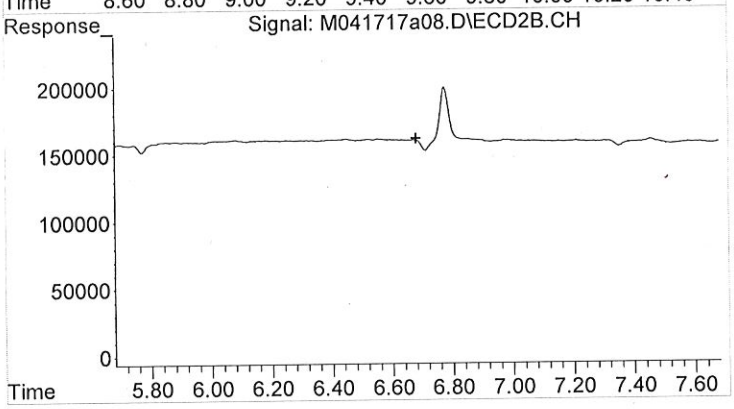
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.596 min
Response: 0
Conc: N.D.



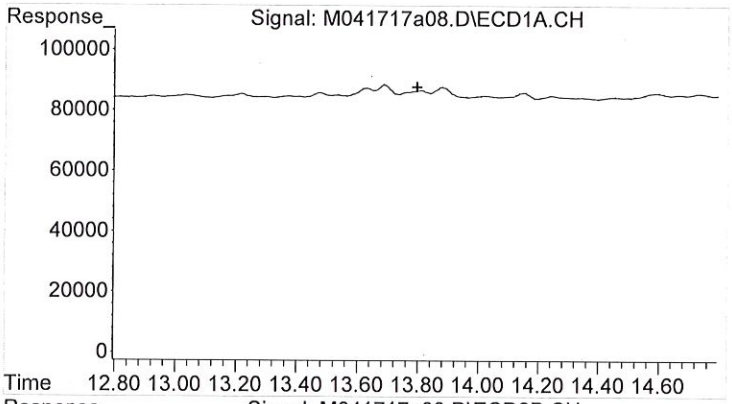
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.560 min
Response: 0
Conc: N.D.



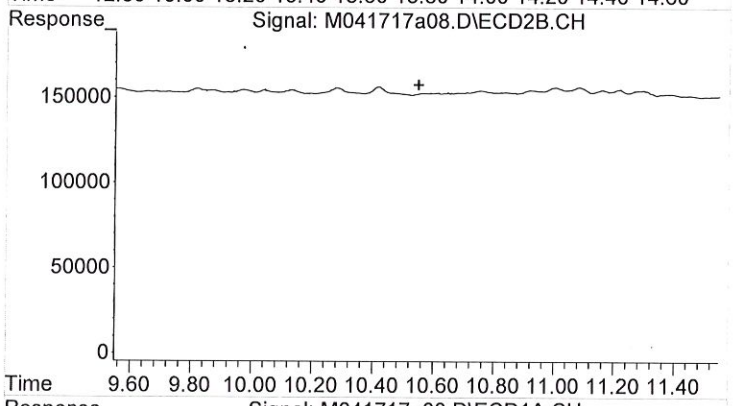
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.680 min
Response: 0
Conc: N.D.



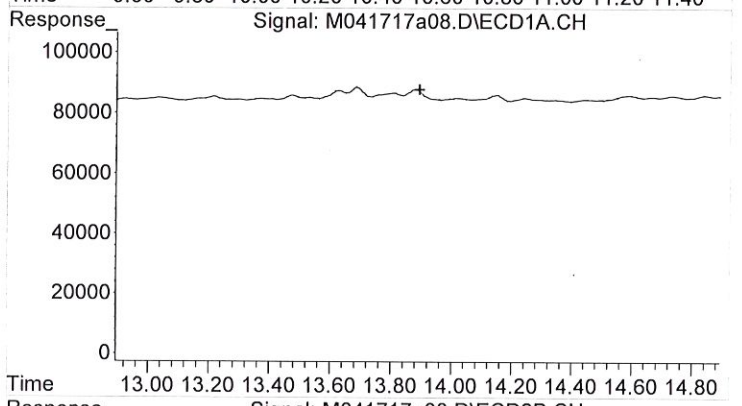
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 13.794 min
Response: 0
Conc: N.D.



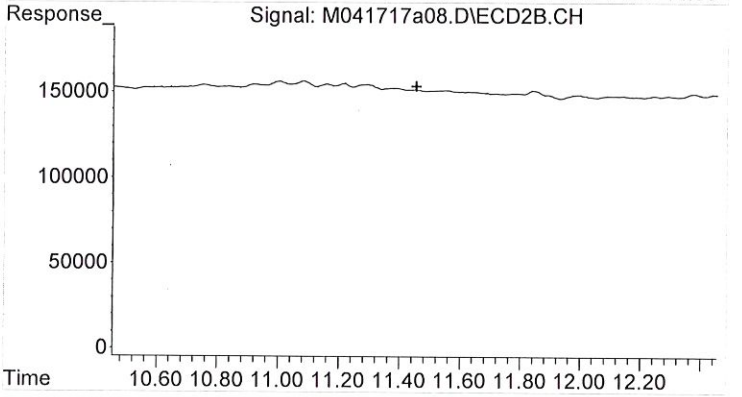
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 10.548 min
Response: 0
Conc: N.D.



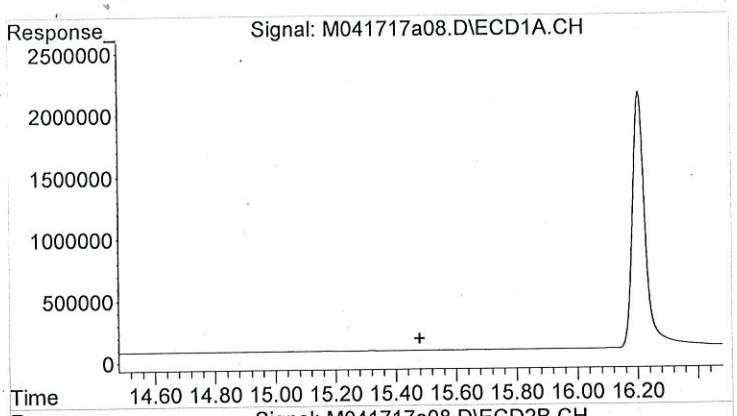
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 13.893 min
Response: 0
Conc: N.D.



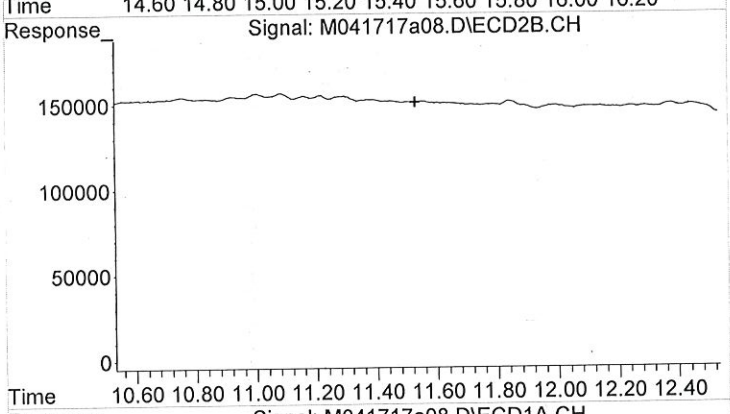
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 11.454 min
Response: 0
Conc: N.D.



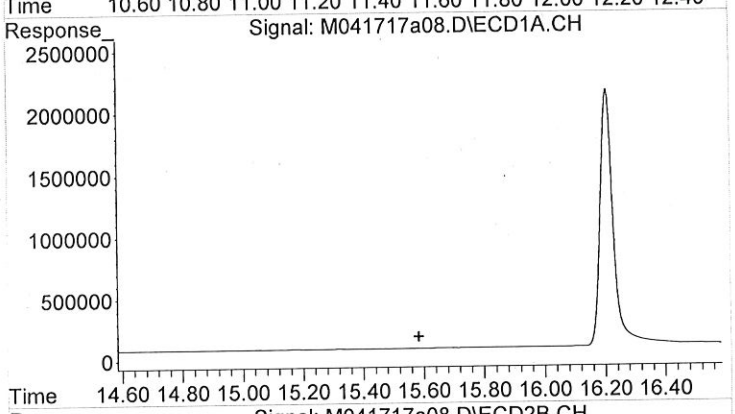
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 15.480 min
Response: 0
Conc: N.D.



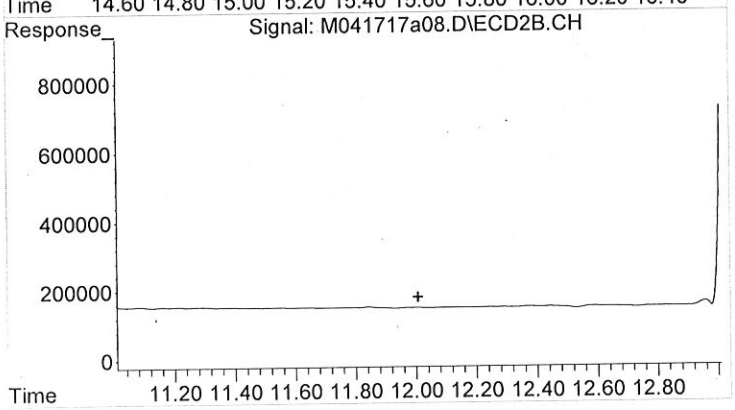
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 11.531 min
Response: 0
Conc: N.D.



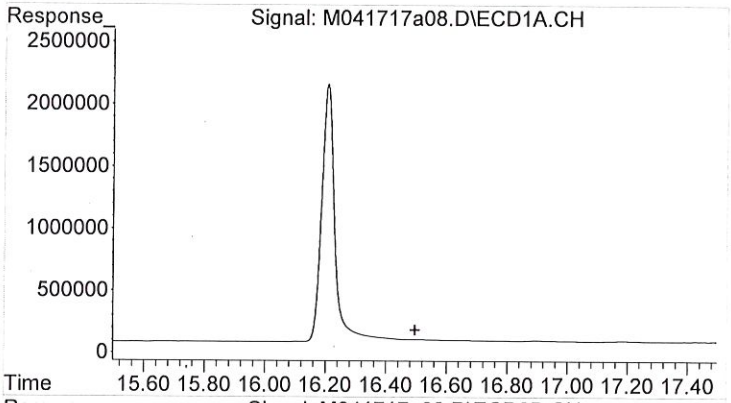
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 15.584 min
Response: 0
Conc: N.D.



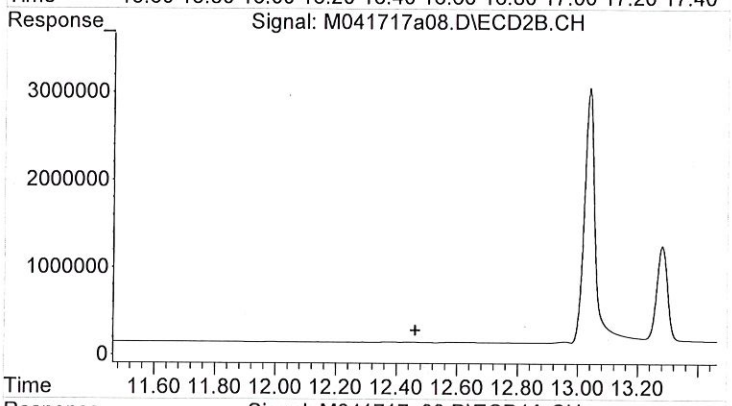
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 12.008 min
Response: 0
Conc: N.D.



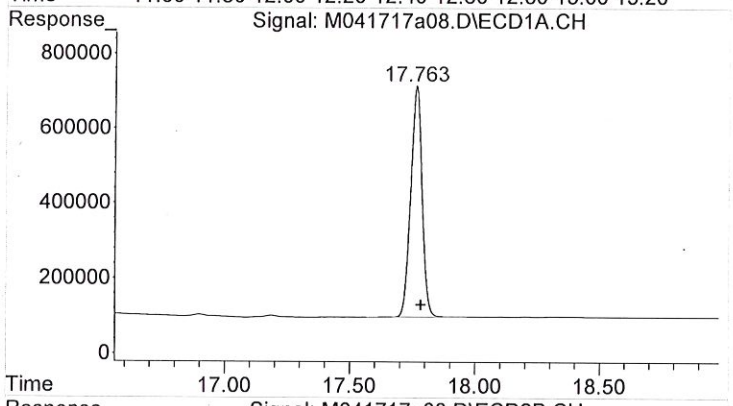
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 16.497 min
Response: 0
Conc: N.D.



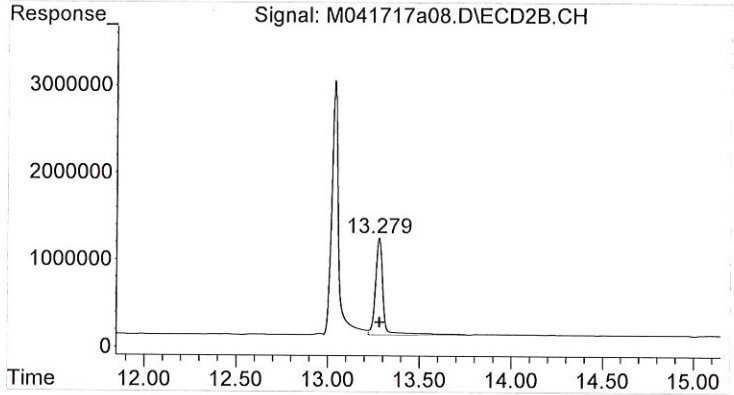
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 12.463 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.764 min
Delta R.T.: -0.021 min
Response: 615234
Conc: 41.08 pg/uL



#12 dcb

R.T.: 13.279 min
Delta R.T.: -0.005 min
Response: 1105500
Conc: 46.21 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 18:38 pm
Operator : DWOOD
Sample : 17154102
Misc : Sky Valley PCB Wipe 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: Apr 24 14:03:33 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	1071525	1925441	40.181	46.273
12) S2 dcb	17.764	13.279	615234	1105500	41.081	46.210
Target Compounds						
2) L1 1016 -1	0.000	5.352	0	~~29205~~	N.D.	31.075 #
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	29205	N.D.	31.075
Average 1016 -1					0.000	31.075
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	11.991	0	2460	N.D.	7.434 #
11) L2 1260-5	16.484	12.443	14535	~~4919~~	14.444	6.416 #
Sum 1260-1			14535	7379	14.444	13.851
Average 1260-1					14.444	6.925

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

4/24/17

PCB Sample Results Summary

Sample.....: 17154103
Data File....: M041717a09.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/17/2017 19:02
Type.....: 0

Date Prepped...: 4/17/2017
ICAL Date.....: 03/21/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 9

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

Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\M041717a09.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	6.99	1078390		50	40	81 %Rec	
12	2.5	250	dcb	17.76	17.79	603170		50	40	81 %Rec	
14	2.5	250	tmx (1)' #2	4.80	4.80	1920660		50	46	92 %Rec	
25	2.5	250	dcb #2	13.28	13.28	1090080		50	46	91 %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	-	-	-		-	-	0.25 ug (RL)	U
7	25	1000	1260-1	13.78	13.79	43766		-	35	0.35 ug	
8	25	1000	1260-2	13.88	13.89	33635		-	50	0.50 ug	
9	25	1000	1260-3	15.46	15.48	32792		-	51	0.51 ug	
10	25	1000	1260-4	15.57	15.58	41913		-	62	0.62 ug	
11	25	1000	1260-5	16.48	16.50	61049		-	96	0.96 ug	
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	-	-	-		-	-	0.25 ug (RL)	U
20	25	1000	1260-1 #2	10.55	10.55	42607		-	107	1.1 ug	
21	25	1000	1260-2 #2	11.45	11.45	57540		-	67	0.67 ug	
22	25	1000	1260-3 #2	11.53	11.53	52322		-	75	0.75 ug	
23	25	1000	1260-4 #2	12.00	12.01	34644		-	97	0.97 ug	
24	25	1000	1260-5 #2	12.46	12.46	92124		-	113	1.1 ug	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	0.25	ug (RL)	0	NA	
12674112	1016 Column 2	0.25	ug (RL)	0	NA	
11096825	1260 Column 1	0.59	ug	5	39 %	
11096825	1260 Column 2	0.92	ug	5	22 %	44 %

Results will be reported from Column 1

[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.

Generated Tue Apr 25 10:01:30 2017

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 7:02 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 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: Apr 24 14:54:55 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	1078390	1920663	40.441	46.156
12) S2 dcb	17.763	13.279	603170	1090079	40.251	45.562
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.	N.D.
Sum 1016 -1			0	0	N.D.	N.D.
Average 1016 -1					0.000	0.000
7) L2 1260-1	13.780	10.546	43766	42607	34.590	106.811 #
8) L2 1260-2	13.878	11.450	33635	57540	50.181	66.982 #
9) L2 1260-3	15.462	11.525	32792	52322	51.032	75.161 #
10) L2 1260-4	15.567	12.003	41913	34644	61.679	96.748 #
11) L2 1260-5	16.481	12.457	61049	92124	96.342	112.849
Sum 1260-1			213155	279236	293.825	458.551
Average 1260-1					58.765	91.710

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

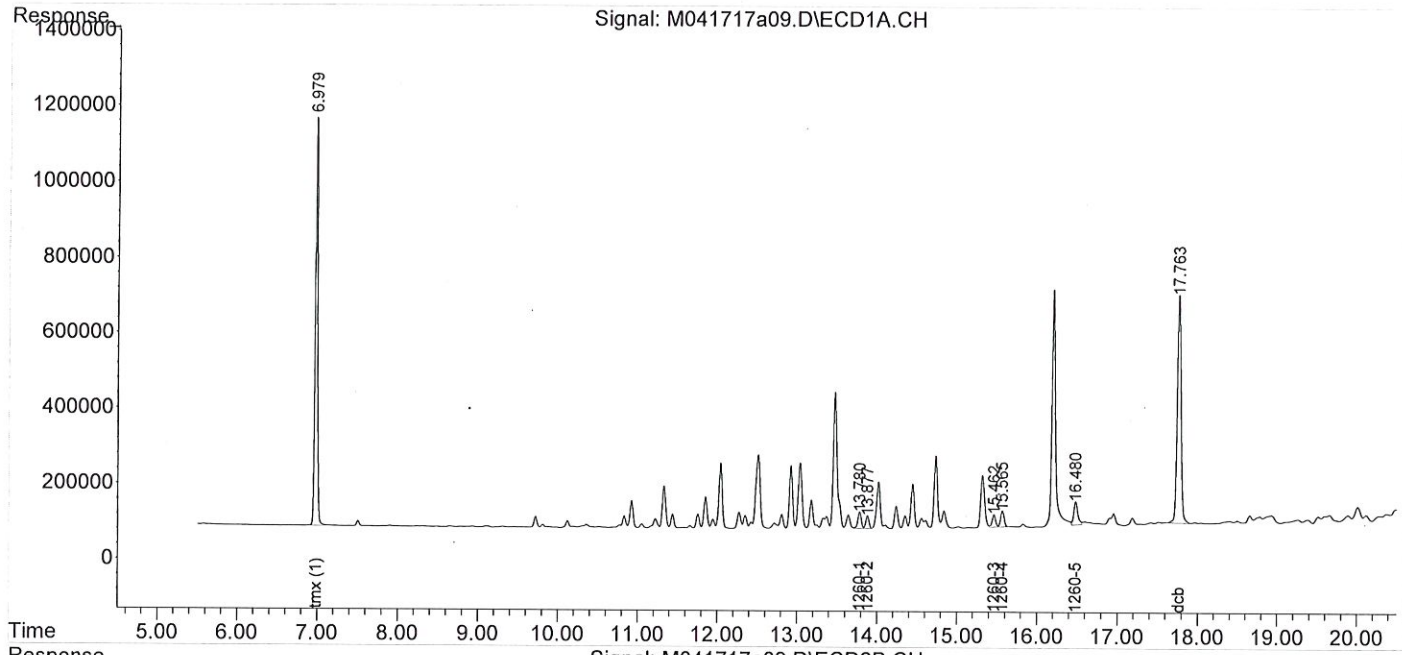
lw
4/24/17

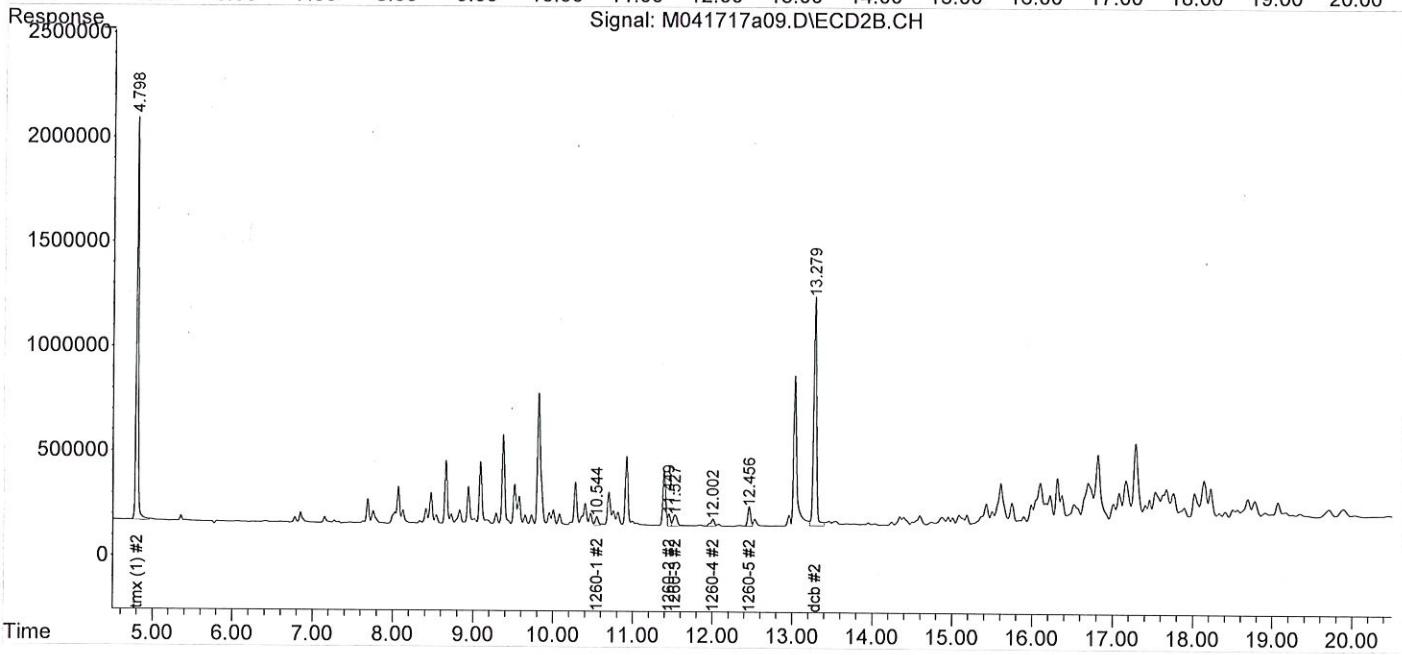
Quantitation Report (QT Reviewed)

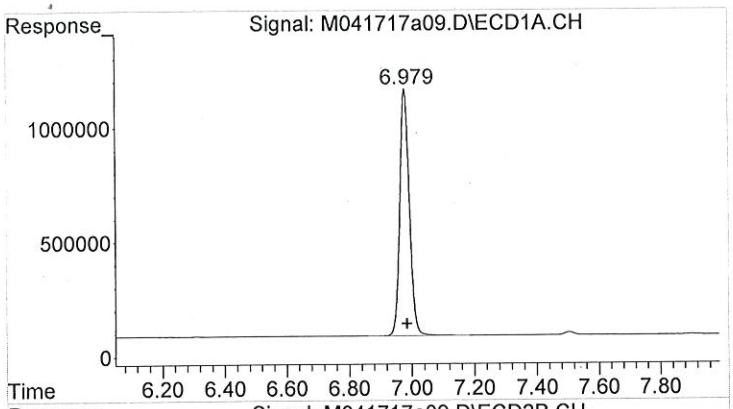
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 7:02 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 9 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 14:54:55 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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

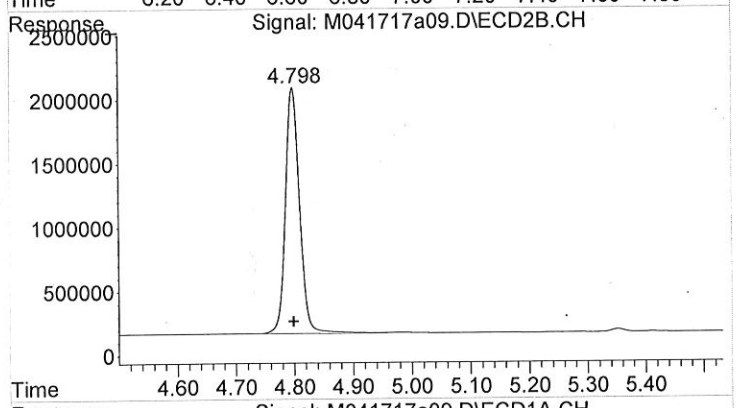






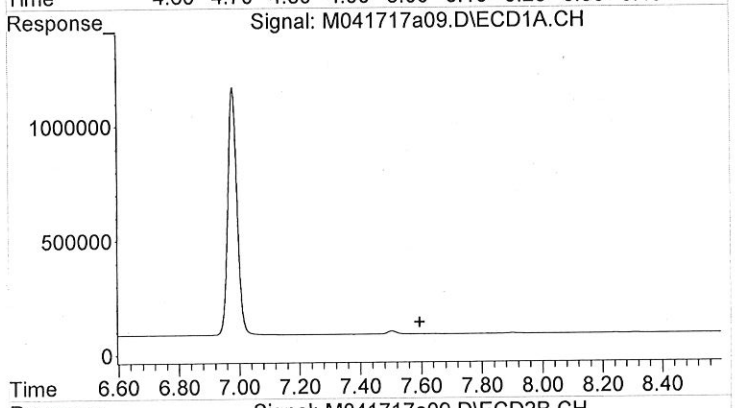
#1 tmx (1)

R.T.: 6.979 min
Delta R.T.: -0.007 min
Response: 1078390
Conc: 40.44 pg/uL



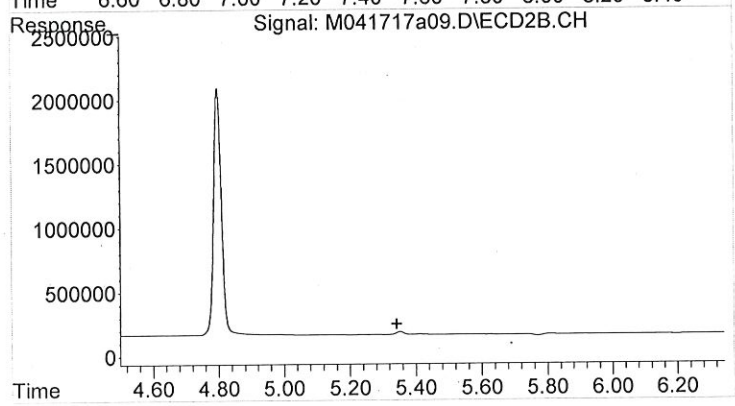
#1 tmx (1)

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 1920663
Conc: 46.16 pg/uL



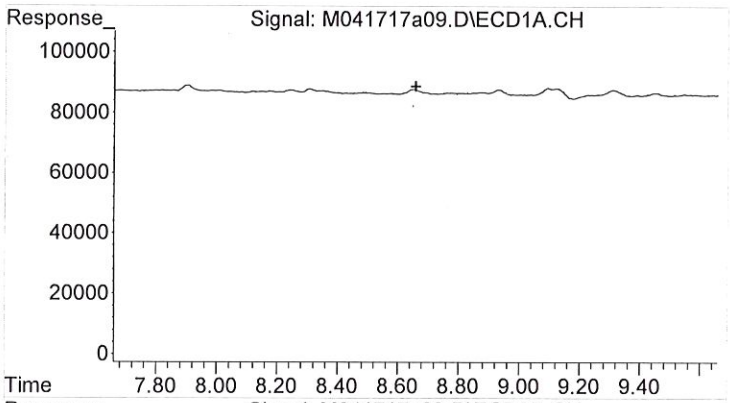
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.596 min
Response: 0
Conc: N.D.



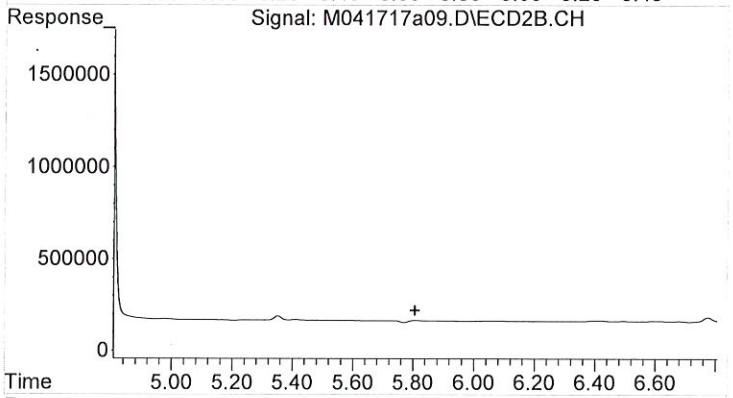
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.343 min
Response: 0
Conc: N.D.



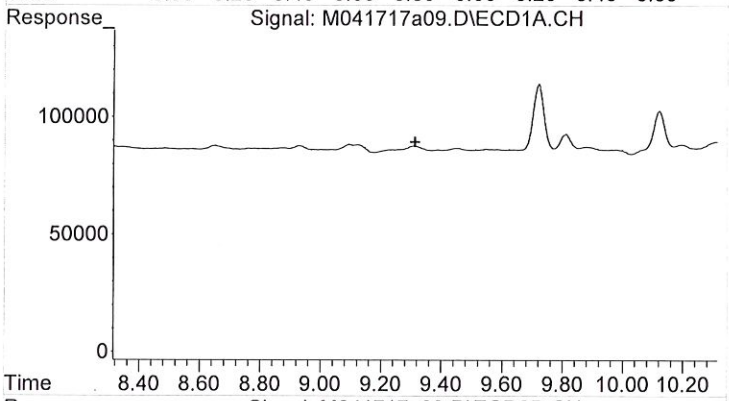
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.659 min
Response: 0
Conc: N.D.



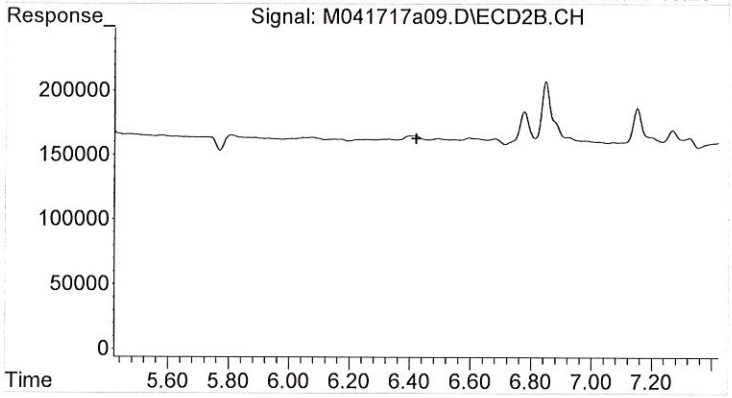
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.807 min
Response: 0
Conc: N.D.



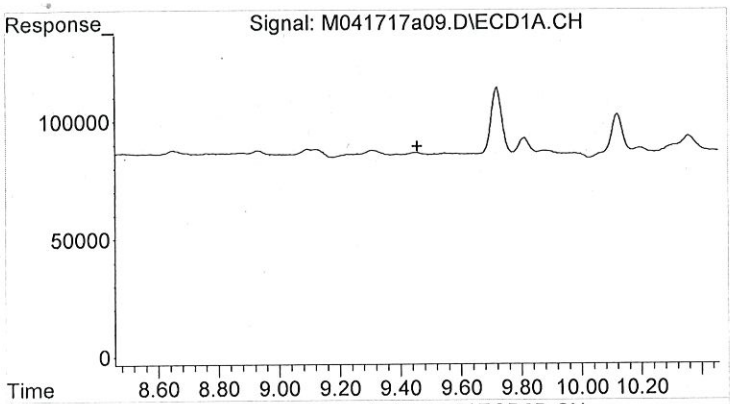
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.314 min
Response: 0
Conc: N.D.



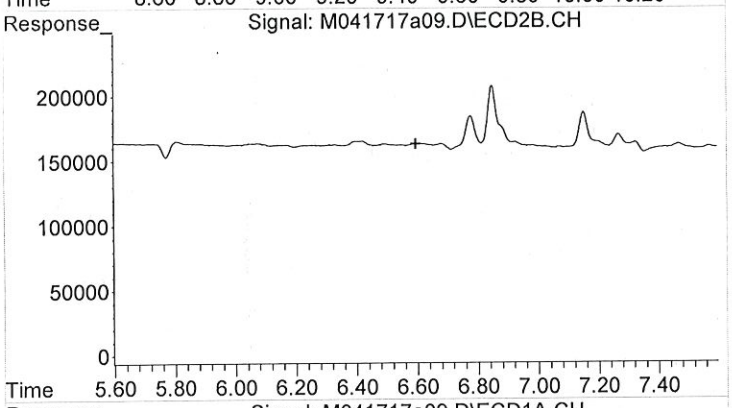
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.421 min
Response: 0
Conc: N.D.



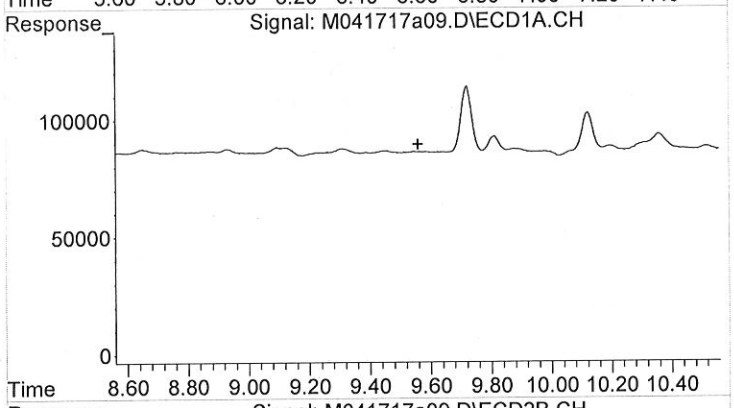
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.457 min
Response: 0
Conc: N.D.



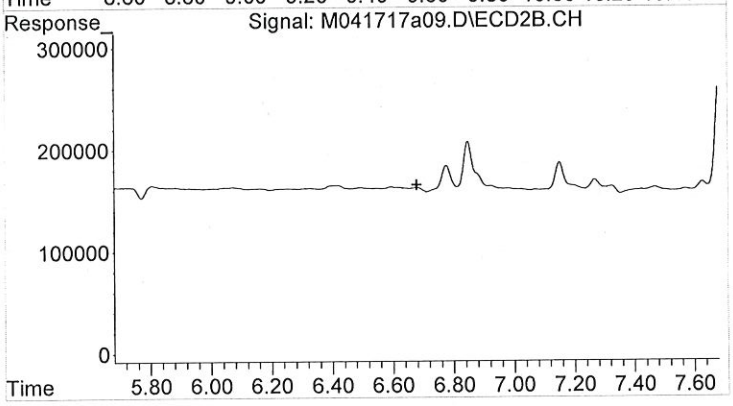
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.596 min
Response: 0
Conc: N.D.



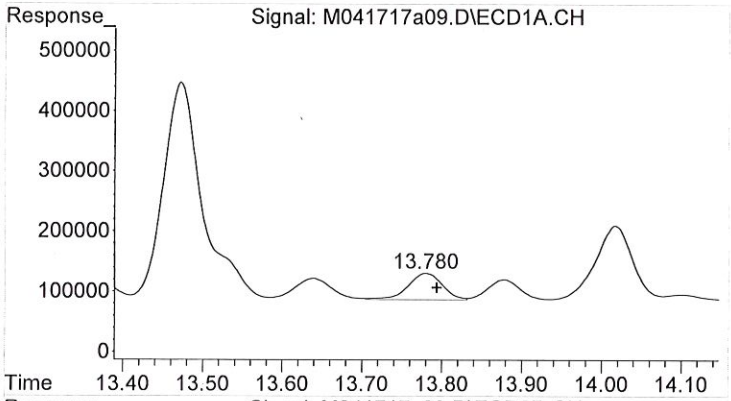
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.560 min
Response: 0
Conc: N.D.



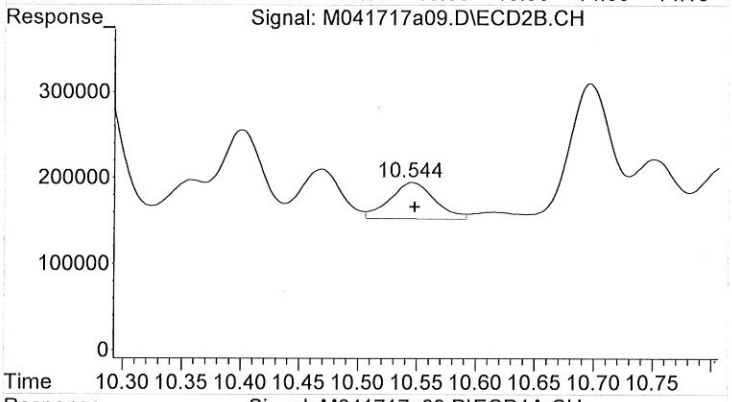
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.680 min
Response: 0
Conc: N.D.



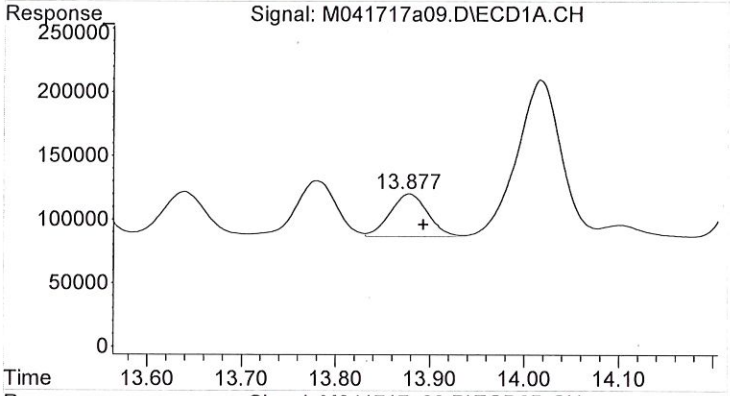
#7 1260-1

R.T.: 13.780 min
Delta R.T.: -0.014 min
Response: 43766
Conc: 34.59 pg/uL



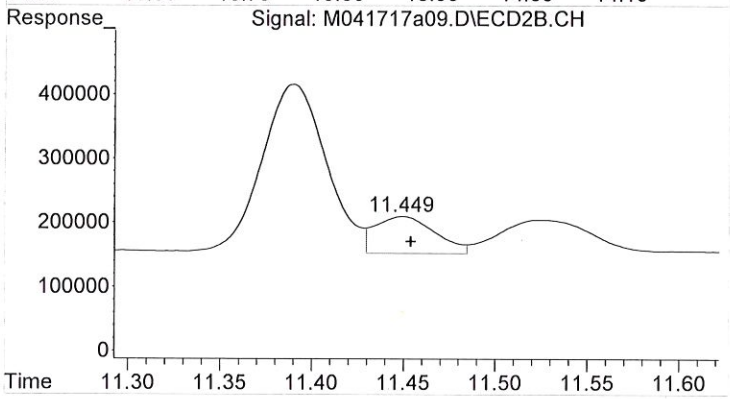
#7 1260-1

R.T.: 10.546 min
Delta R.T.: -0.002 min
Response: 42607
Conc: 106.81 pg/uL



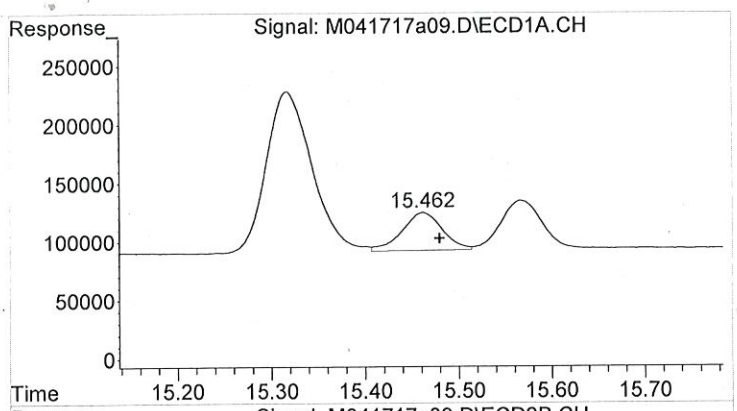
#8 1260-2

R.T.: 13.878 min
Delta R.T.: -0.015 min
Response: 33635
Conc: 50.18 pg/uL



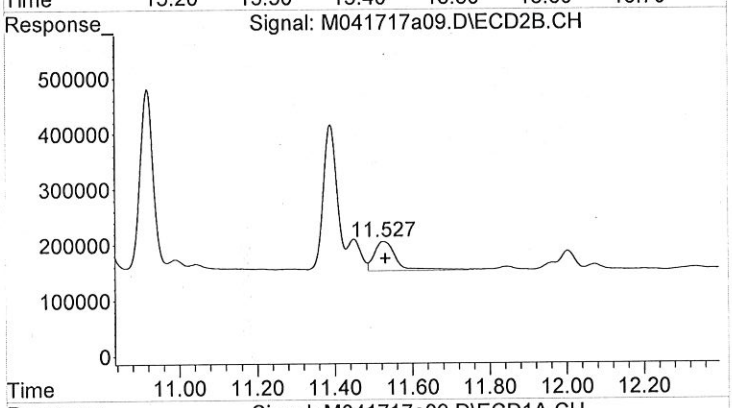
#8 1260-2

R.T.: 11.450 min
Delta R.T.: -0.004 min
Response: 57540
Conc: 66.98 pg/uL



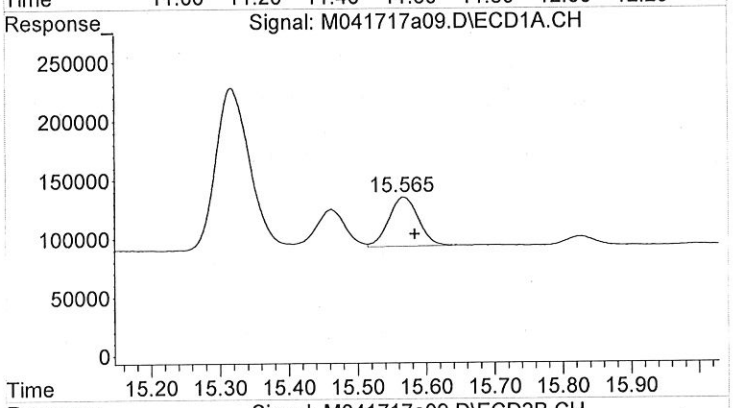
#9 1260-3

R.T.: 15.462 min
Delta R.T.: -0.018 min
Response: 32792
Conc: 51.03 pg/uL



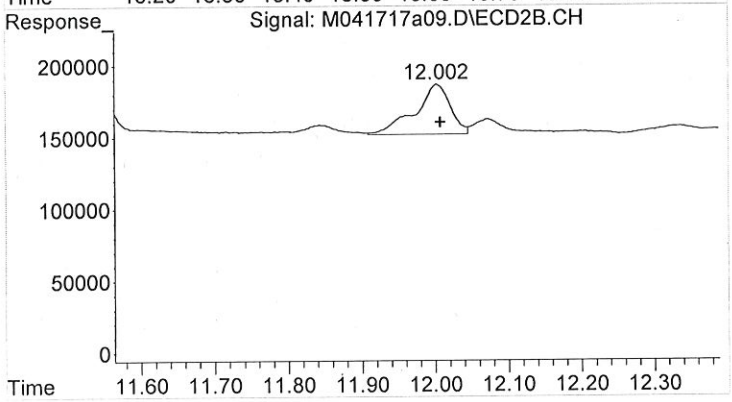
#9 1260-3

R.T.: 11.525 min
Delta R.T.: -0.006 min
Response: 52322
Conc: 75.16 pg/uL



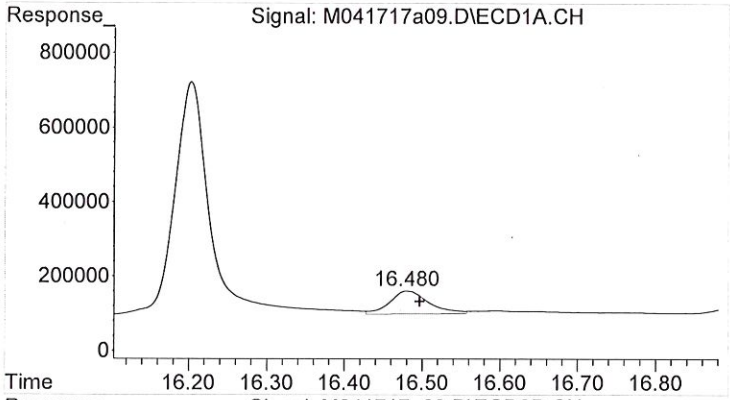
#10 1260-4

R.T.: 15.567 min
Delta R.T.: -0.017 min
Response: 41913
Conc: 61.68 pg/uL



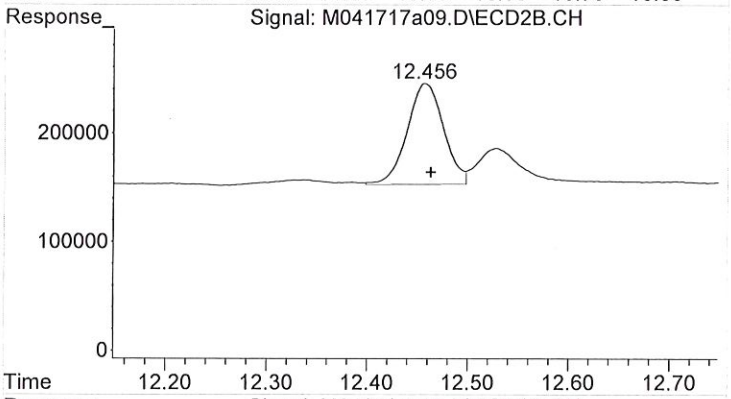
#10 1260-4

R.T.: 12.003 min
Delta R.T.: -0.005 min
Response: 34644
Conc: 96.75 pg/uL



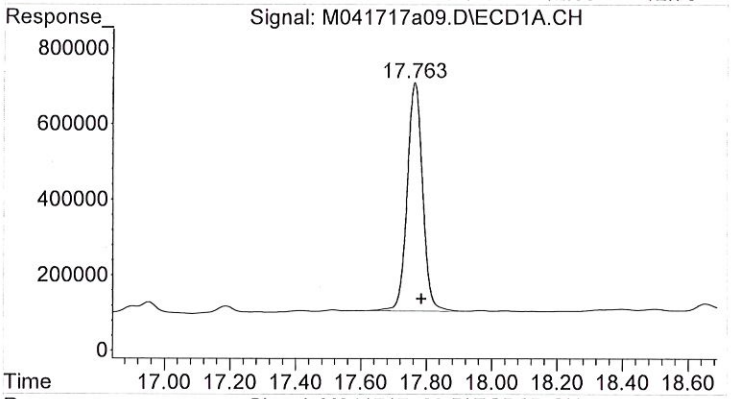
#11 1260-5

R.T.: 16.481 min
Delta R.T.: -0.016 min
Response: 61049
Conc: 96.34 pg/uL



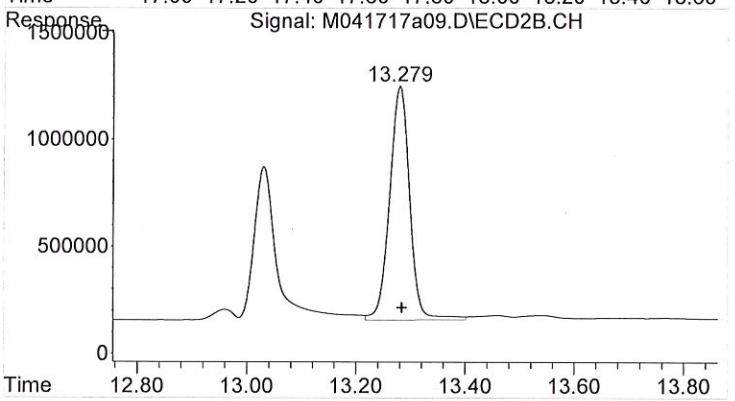
#11 1260-5

R.T.: 12.457 min
Delta R.T.: -0.006 min
Response: 92124
Conc: 112.85 pg/uL



#12 dcb

R.T.: 17.763 min
Delta R.T.: -0.022 min
Response: 603170
Conc: 40.25 pg/uL



#12 dcb

R.T.: 13.279 min
Delta R.T.: -0.005 min
Response: 1090079
Conc: 45.56 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041717PCBDW\
Data File : M041717a09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2017 19:02 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 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: Apr 24 14:03:41 2017
Quant Method : J:\Organics\Minerva\Methods\M032117PCB1260_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Apr 18 12:22:05 2017
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	4.798	1078390	1920663	40.441	46.156
12) S2 dcb	17.763	13.279	603170	1090079	40.251	45.562
Target Compounds						
2) L1 1016 -1	0.000	5.352	0	24256	N.D.	24.899 #
3) L1 1016-2	0.000	5.806	0	11938	N.D.	5.450 #
4) L1 1016-3	0.000	6.419	0	11855	N.D.	5.147 #
5) L1 1016-4	0.000	6.595	0	10248	N.D.	7.004 #
6) L1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016 -1			0	58296	N.D.	42.499
Average 1016 -1					0.000	10.625
7) L2 1260-1	13.780	10.546	43766	42607	34.590	106.811 #
8) L2 1260-2	13.878	11.450	33635	57540	50.181	66.982 #
9) L2 1260-3	15.462	11.525	32792	52322	51.032	75.161 #
10) L2 1260-4	15.567	12.003	41913	34644	61.679	96.748 #
11) L2 1260-5	16.481	12.457	61049	92124	96.342	112.849
Sum 1260-1			213155	279236	293.825	458.551
Average 1260-1					58.765	91.710

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

hw
4/24/17

PCB Sample Results Summary

Sample.....: 17154103
Data File....: M041817a03.D
Project.....: OCE-009D
Matrix.....: 42 - Wipe
Analyzed.....: 04/18/2017 14:12
Type.....: 0
Additional Info..: Sky Valley PCB Wipe 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\M041817a03.D

Date Prepped...: 4/17/2017
ICAL Date.....: 03/30/2017
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 3

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	25	tmx (1)	-	-	-	d	50	0	0	%Rec <30	
7	2.5	2.5	dcb	-	-	-	d	50	0	0	%Rec <30	
9	2.5	2.5	tmx (1) #2	-	-	-	d	50	0	0	%Rec <30	
15	2.5	2.5	dcb #2	-	-	-	d	50	0	0	%Rec <30	
2	25	1000	1254 -1	10.12	10.12	18080		-	61	0.61	ug	
3	25	1000	1254-2	11.05	11.05	10494		-	70	0.70	ug	
4	25	1000	1254-3	11.43	11.44	37368		-	88	0.88	ug	
5	25	1000	1254-4	11.75	11.76	38734		-	109	1.1	ug	
6	25	1000	1254-5	11.94	11.95	24605		-	102	1.0	ug	
10	25	1000	1254 -1 #2	6.85	6.85	52427		-	63	0.63	ug	
11	25	1000	1254-2 #2	7.15	7.15	31078		-	69	0.69	ug	
12	25	1000	1254-3 #2	7.75	7.75	61291		-	78	0.78	ug	
13	25	1000	1254-4 #2	8.12	8.12	67591		-	94	0.94	ug	
14	25	1000	1254-5 #2	8.41	8.41	73928		-	121	1.2	ug	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]	
11097691	1254 Column 1	0.86	ug	5	24 %		Results will be reported from Column 1
11097691	1254 Column 2	0.85	ug	5	27 %	1 %	

[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.

Generated Tue Apr 25 10:01:56 2017

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 14:12 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:03:03 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D. d	N.D. d
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1254 -1	10.118	6.846	18080	52427	60.524	62.904
3) L1 1254-2	11.045	7.149	10494	31078	70.415	69.204
4) L1 1254-3	11.433	7.751	37368	61291	87.654	77.942
5) L1 1254-4	11.752	8.121	38734	67591	109.427	94.128
6) L1 1254-5	11.941	8.409	24605	73928	102.235	120.986
Sum 1254 -1			129280	286315	430.254	425.165
Average 1254 -1					86.051	85.033

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

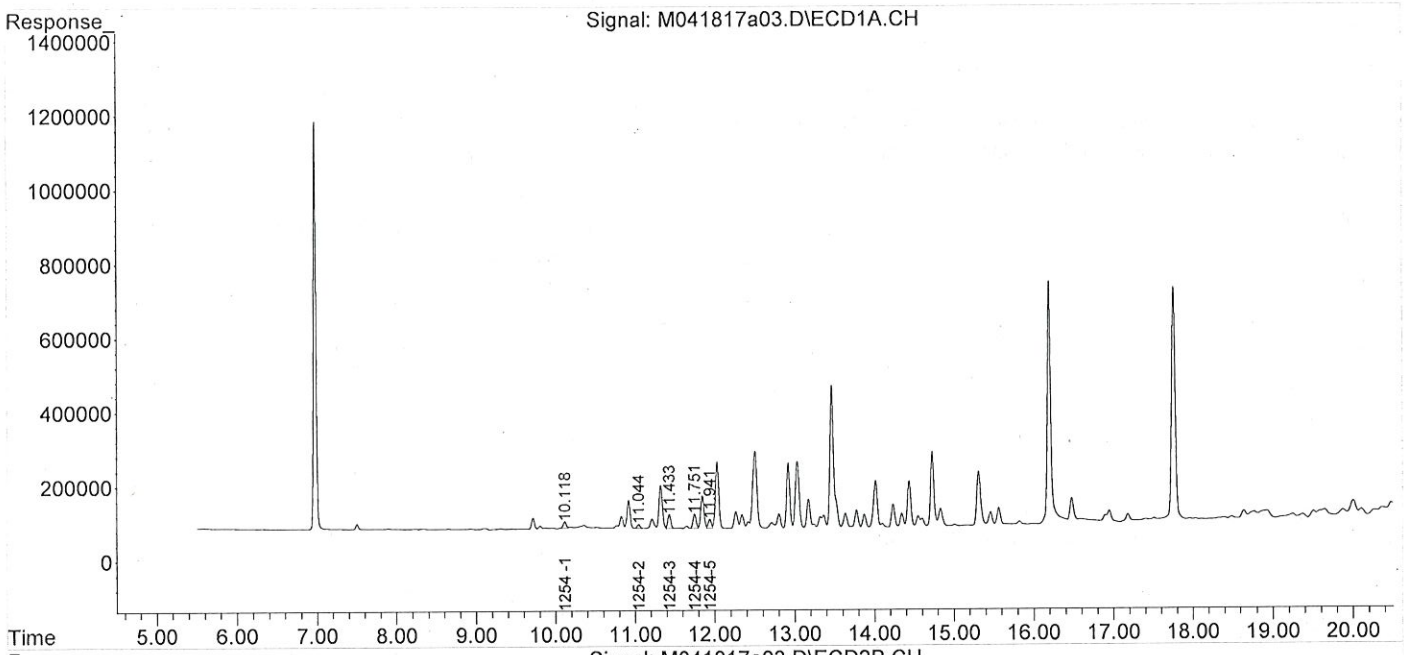
lw 4/25/17

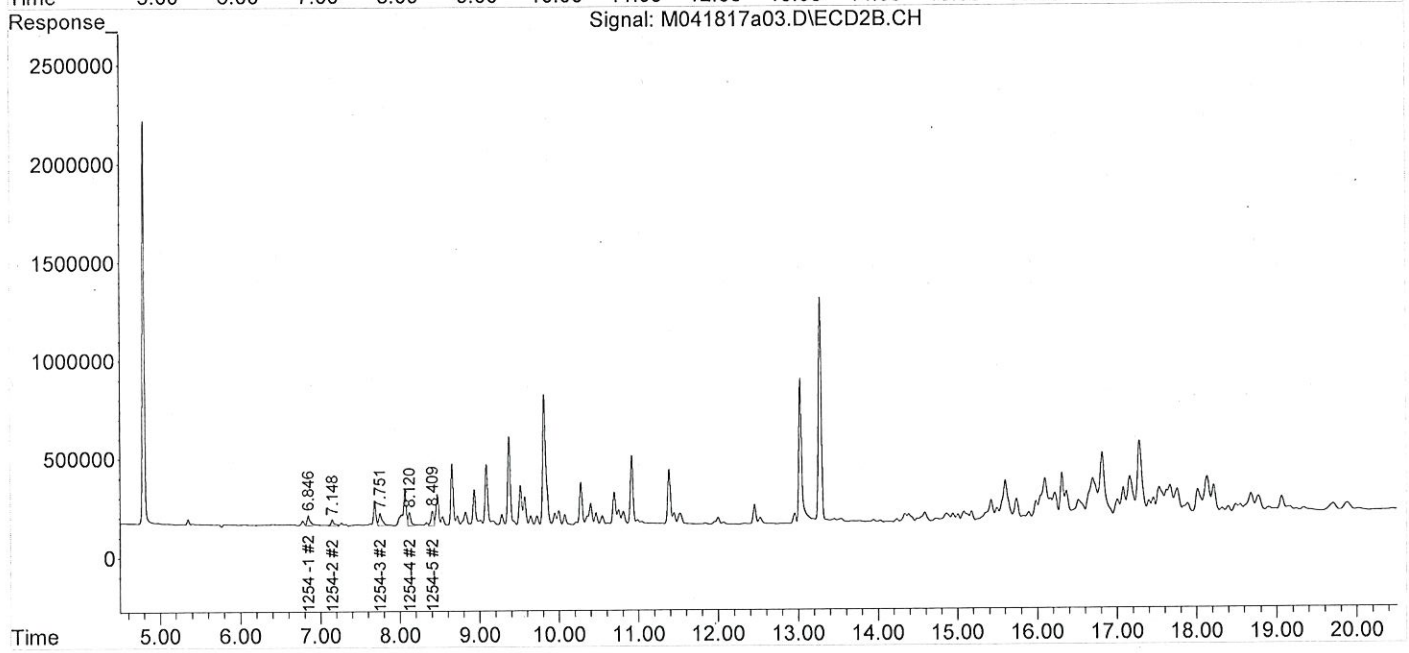
Quantitation Report (QT Reviewed)

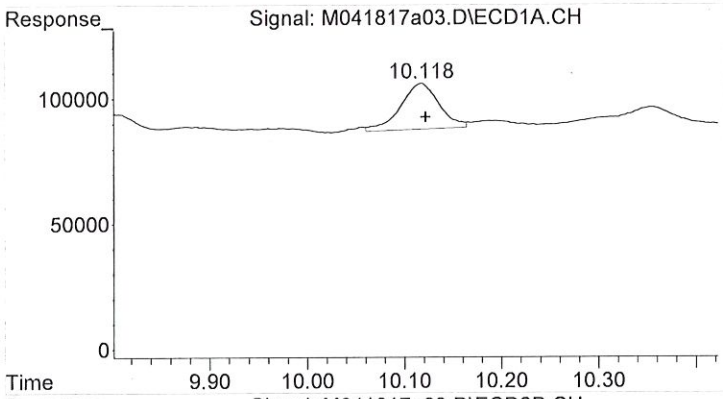
Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 14:12 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 16:03:03 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

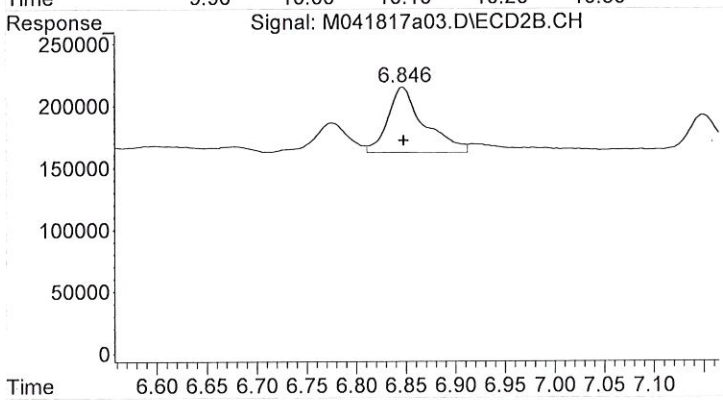






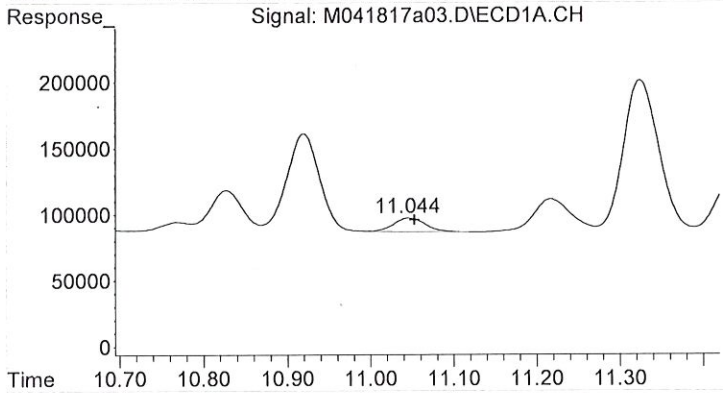
#2 1254 -1

R.T.: 10.118 min
Delta R.T.: -0.004 min
Response: 18080
Conc: 60.52 pg/uL



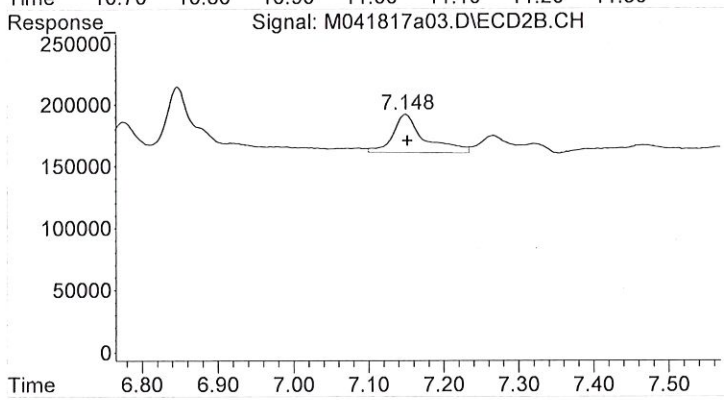
#2 1254 -1

R.T.: 6.846 min
Delta R.T.: -0.002 min
Response: 52427
Conc: 62.90 pg/uL



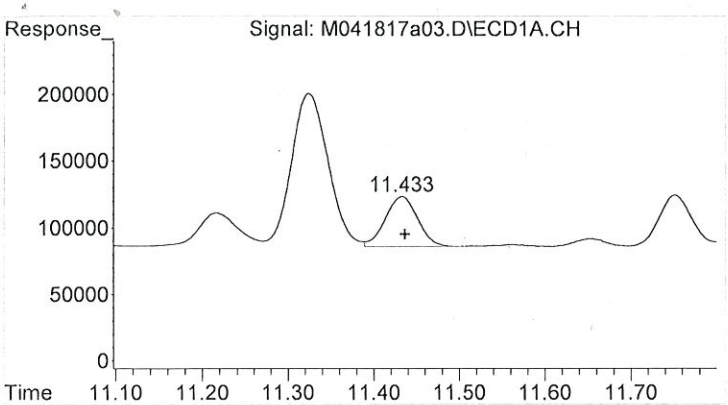
#3 1254-2

R.T.: 11.045 min
Delta R.T.: -0.008 min
Response: 10494
Conc: 70.41 pg/uL



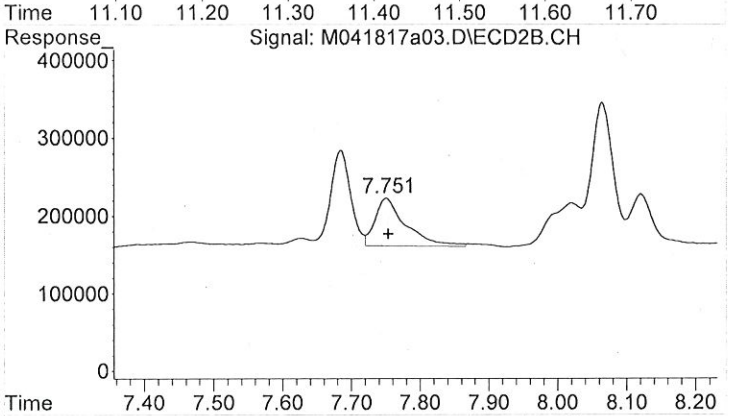
#3 1254-2

R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 31078
Conc: 69.20 pg/uL



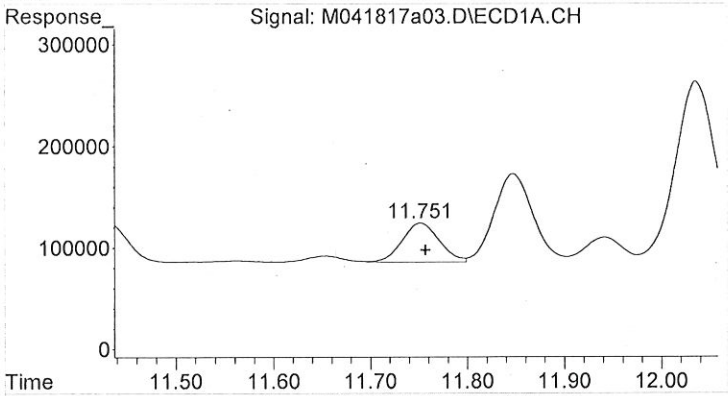
#4 1254-3

R.T.: 11.433 min
Delta R.T.: -0.004 min
Response: 37368
Conc: 87.65 pg/uL



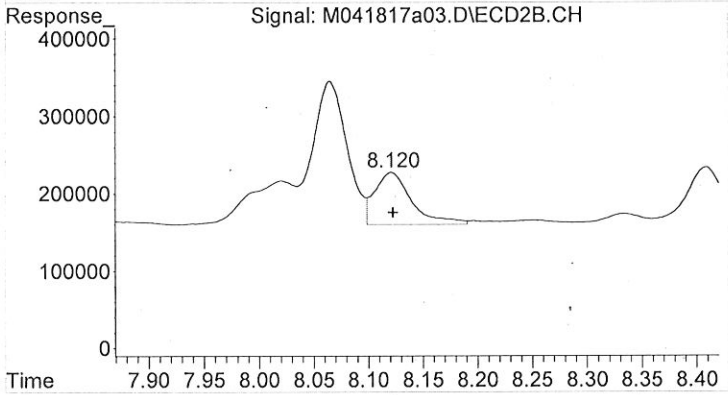
#4 1254-3

R.T.: 7.751 min
Delta R.T.: -0.003 min
Response: 61291
Conc: 77.94 pg/uL



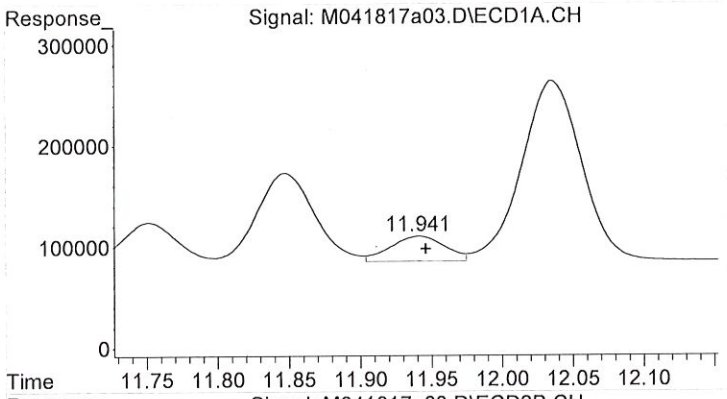
#5 1254-4

R.T.: 11.752 min
Delta R.T.: -0.005 min
Response: 38734
Conc: 109.43 pg/uL



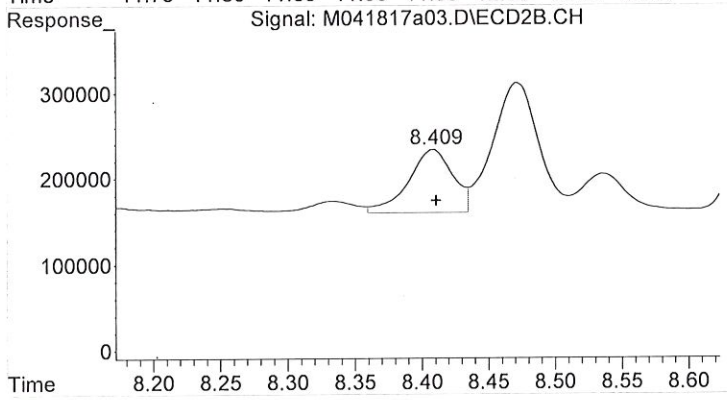
#5 1254-4

R.T.: 8.121 min
Delta R.T.: -0.002 min
Response: 67591
Conc: 94.13 pg/uL



#6 1254-5

R.T.: 11.941 min
Delta R.T.: -0.005 min
Response: 24605
Conc: 102.23 pg/uL



#6 1254-5

R.T.: 8.409 min
Delta R.T.: -0.002 min
Response: 73928
Conc: 120.99 pg/uL

Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2017 DATA\M041817PCBDW\
Data File : M041817a03.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Apr 2017 14:12 pm
Operator : DWOOD
Sample : 17154103
Misc : Sky Valley PCB Wipe 10mL fv
ALS Vial : 0 (Sig #1); 3 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: events2.e
Quant Time: Apr 24 15:49:56 2017
Quant Method : J:\Organics\Minerva\Methods\M033017PCB1254_41717.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Mon Apr 24 15:30:48 2017
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	5.105	0	~~6466~~	N.D.	NoCal
7) S2 dcb	18.037	13.879	~~5122~~	~~5672~~	NoCal	NoCal
Target Compounds						
2) L1 1254 -1	10.118	6.846	18080	52427	60.524	62.904
3) L1 1254-2	11.045	7.149	10494	31078	70.415	69.204
4) L1 1254-3	11.433	7.751	37368	61291	87.654	77.942
5) L1 1254-4	11.752	8.121	38734	67591	109.427	94.128
6) L1 1254-5	11.941	8.409	24605	73928	102.235	120.986
Sum 1254 -1			129280	286315	430.254	425.165
Average 1254 -1					86.051	85.033

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

4/24/17